Jones & Henry
ENGINEERS, LTD.

Village of Oak Harbor, Ohio
WWTP Improvements
Rebid

ADDENDUM 3

October 30, 2026

Planholders on the Village of Oak Harbor, WWTP Improvements - Rebid are hereby notified of the following amendments to the Contract Documents. This Addendum is hereby made a part of the Contract Documents.

QUESTIONS AND ANSWERS

Questions and answers can be found in the Pre-Bid Questions list attached.

SPECIFICATIONS

Replace the following specifications with the attached:

C-410 Bid Form

02200 – Excavation and Backfill

08315 – Roll-up Doors

11841 – Center Feed Peripheral Overflow Clarifies

Planholders should update the Table of Contents to reflect the above sections.
An updated Table of Contents will be included in the Issued for Construction Project Manual.

DRAWINGS

Replace the following drawings with the attached:

C-0.5	21 of 247	S-4.6	97 of 247	E-100.2	188 of 247
A-0.1	44 of 247	S-5.1	99 of 247	E-101.1	190 of 247
A-2.8	56 of 247	S-5.2	100 of 247	E-101.5	194 of 247
A-2.9	57 of 247	S-7.1	111 of 247	E-2.1	197 of 247
S-0.11	76 of 247	S-10.2	119 of 247	E-2.3	199 of 247
S-0.12	77 of 247	S-14.1	121 of 247	E-3.1	205 of 247
S-2.1	79 of 247	PE-2.4	131 of 247	E-4.1	208 of 247
S-3.3	90 of 247	PE-3.0	133 of 247	E-10.1	216 of 247
S-4.1	92 of 247	PE-4.2	140 of 247	E-10.3	218 of 247
S-4.2	93 of 247	PE-6.2	146 of 247	E-12.1	219 of 247
S-4.3	94 of 247	P-15.1	166 of 247	E-12.2	220 of 247
S-4.4	95 of 247	E-0.4	185 of 247	E-15.2	229 of 247
S-4.5	96 of 247	E-100.1	187 of 247	I-2	234 of 247

Planholders should update the Drawing Index to reflect the above changes.

An updated Drawing Index will be included in the Issued for Construction Project Manual.

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

3103 Executive Parkway, Suite 300, Toledo, Ohio 43606 - 419.473.9611

OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT
PRE-BID QUESTIONS

1. *In reference to plan sheet E101.01, the Plant Single Line calls out a section view G, this cut does not appear on E 0.4. Please provide by addendum.*

   See Addendum 3, Revised Sheets E-0.12, E-100.1, E-2.1, E-2.3 and E-2.7

2. *In reference to the Service Building, the plumbing drawings show a 1-1/4" Natural Gass line but the site drawings do not show this line. Please clarify and provide additional detail if we are to tie into an existing line at that building or run a new gas line. Please advise by addendum.*

   See Addendum 3, Revised Sheet C-104.2

3. *We have been unable to locate the minimum amount of coverage for the various electrical duct bank on the project as it is omitted in the duct bank cut sections and details. Please provide the required amount of cover for the electrical duct bank.*

   See Specification C-16120, Par 3.02, M

4. *In reference to plan sheets A2.2 and S4.1, a "Pre-Engineered Fall Protection Rail System" is called out. Please provide specifications for this rail system.*

   See Addendum 3, Revised Sheets PE-2.4- and PE- 3.0

5. *In reference to plan sheet A2.5, shows the location of brick finishes. Call outs to the respective finishes do not match what is show on the drawing of the west elevation detail and to what is to be anticipated based on other drawings. Please confirm the locations of the brick finishes shown on the west elevation detail.*

   The North Elevation of the Headworks is correct. The other Elevations shall match this.

6. *In reference to plan sheet P0.2, shows details of a toilet, lav, sump pump, mop sink, backflow, and recirc pump. But nothing is shown on the 7 plumbing drawings in file provided. Please confirm that none of the above are required for the project.*

   Plan Sheet P-0.2 will be referenced as needed to complete the plumbing for the project as shown on the Drawings.

7. *In reference to plan sheet E101.1, the Plant Single Line Drawing calls out the conduit between the incoming Utility and the transformer to 3 sets of 3" conduit, based on the Electric Site plan and the duct bank cut sections on E-100.2 and E-0.4 it calls it out as section Q with over 20 conduits ran between them. Please confirm which is correct.*

   See Addendum 3, Revised Sheet E-0.4

8. *Electrical Building: Detail 2 on drawing S-10.2 shows a typical detail for the footer and foundation wall make-up of the foundation walls on the Electrical Building. However, top of footer and bottom of footer elevations are NOT provided.*

    a) *Can you please provide a top of footer and bottom of footer elevation for the footers of the Electrical Building? Can you please update Detail 2 on drawing S-10.2 via Addendum with the requested information?*

    See Addendum 3, Revised Sheet S-10.2

    b) *Can you please add this information via Addendum to the "Footing and Pier Schedule" shown on drawing S-0.1?*

    N/A

9. ***Electrical Building:*** *Can you please advise on desired slab thickness for the floor slab in the Electrical Building? Detail 2 on drawing S-10.2 appears to scale to a 5" thick slab.*

    See Addendum 3, Revised Sheet S-10.2

10. ***Electrical Building:*** *Can you please advise on the desired reinforcement (if any) for the floor slab in the Electrical Building?*

    See Addendum 3, Revised Sheet S-10.2

11. *Drawing E-100.2 indicates that there is a type "G" electrical duct bank that spans between "EMH-4" and the "Existing Building"; however, drawing E-0.4 does NOT indicate "G" duct bank size, conduit, nor quantity of conduit.*

    a) *Can you please provide conduit size, number of conduit, and electrical duct bank size for a Type "G" duct bank?*

    See Item 1 above.

12. ***Blower Buildi****ng: Per drawing S-14.1 the Contractor is to pour a 1'-5" thick cast-in-place slab in the West Chamber of the Blower Building. No reinforcing steel is shown for the 1'-5" thick slab.*

    a) *Can you please provide desired reinforcing steel for the 1'-5" thick slab?*

    No reinforcing steel required.

    b) *Can you please advise if the new 1'-5" thick slab is to be doweled into the existing concrete (along perimeter of new slab)? Or is the slab to be "free floating" with expansion joint along the perimeter?*

    Free Floating with expansion joint along the perimeter.

    c) *Can drawing S-14.1 be reissued via Addendum with the needed corrections?*

    N/A

13. ***Blower Building:*** *Drawing S-14.1 depicts a sump (El. 573.88) below the new 1'-5" thick cast-in-place slab in the West Chamber of the Blower Building. Can you please advise if the sump is to be abandoned and infilled with concrete? If not, is the intent to utilize the existing sump as a containment sump for the new Polymer Totes?*

    See Sheet R-14.1

    a) *If the sump is being repurposed to act as a containment structure for the new Polymer Totes, is a spill containment pallet required for the new Polymer Totes? Or is the existing sump sufficient to serve as the spill containment area?*

    Per Drawing S-14.1, the new sump in the west well, which will be partially filled with concrete, is connected to the east well, sludge press location, by a new 8-inch opening between the two. No spill containment pallet is required.

14. ***Blower Building:*** *Drawing S-14.1 shows a singular "support pier" shown on the Eastern most side of the West Chamber of the Blower Building. No dimensional information, nor any reinforcing requirements are shown for this pier.*

    a) *Can you please provide dimensional information for the proposed "support pier"?*

    b) *Can you please provide the desired reinforcing steel for the support pier?*

    c) *Are there any dowels that need to be installed in the existing concrete to tie the new support pier to the existing structure?*

    d) *Can drawing S-14.1 be reissued via Addendum with the needed corrections?*

    See Addendum 3, Revised Sheet 14.1

15. ***Blower Building:*** *Drawing S-14.1 indicates that the East Chamber of the Blower Building is to have (4) new 11" x 1'-11" x 1'-5" Tall Support Piers cast into the Chamber to support the new S.S. Press Support Frame. No information is provided on the desired reinforcing steel for the (4) new Support Piers.*

    a) *Can you please provide the desired reinforcing steel for the support piers?*

    Sht S-14.1, The four piers are existing, and they support the existing sludge press. They will be used as part of the support for the new sludge press.

    b) *Can drawing S-14.1 be reissued via Addendum with the needed corrections?*

    N/A

16. ***Blower Building:*** *Note #3 on drawing R-14.1 states, "Remove the grating and salvage for reinstallation. Remove the grating support posts and dispose of in this area. Grating Perimeter Support frame shall remain" for the West Chamber in the Blower Building. Note #4 on drawing R-14.1 states, "Remove and salvage the grating and grating support post as required to install new press and support frame in this area. The perimeter grating support frame shall remain" for the East*

Chamber in the Blower Building. Drawing PE-14.1 then shows that the salvaged grating in the East Chamber is to be reinstalled along the perimeter of the new Dewatering Press.

a) *Can a desired layout of the salvaged grating and grating supports be provided for reinstallation? Can the salvaged grating and grating supports actually be reused in this location or will new grating need to be supplied? Will modifications need to be made to the grating to accommodate the layout of the press? Are there any special requirements for modifying the grating? Will the salvaged grating be able to structurally span the new openings?*

   The existing grating is a plastic composite material with support pedestals. The layout of the grating and supports will be dependent on the installation of the new sludge press. The existing grating and supports in the west and east chambers can be salvaged and modified as needed and reassembled to cover the areas around the new sludge press. The existing grating will be reassembled similar to the existing grating system.

17. ***Yard Piping Plan B:*** *Drawing C-104.2 indicates that the Contractor is to install a new "Fire Hydrant Assembly with Watch Valve" directly in the middle of the proposed asphalt pavement (see SW corner of Site Plan B). Can you please confirm that this is the desired location for the Fire Hydrant Assembly? If not, can the Fire Hydrant location be updated via Addendum?*

    See Addendum 2

18. ***Blower Building:*** *Drawing PE-14.2 indicates that the Contractor is to install a 2'-0" Sq. x 6'-0" Tall Concrete Pier on the exterior of the Blower Building to support the Conveyor.*

    a. *Can you please provide the desired resteel for the 2'-0" x 2'-0" x 6'-0" Conveyor Support Pier?*

       See Sht. E-0.2 Light Pole Base Detail

    b. *Can you please advise on the desired Top of Pier Elevation?*

       Top of pier elevation 580.00.

19. *Drawing R-14.1 indicates that we are to remove the existing conveyor that conveys sludge from the existing Belt Filter Press to the Sludge Storage Area. The existing conveyor appears to penetrate a wall that separates the Belt Filter Press Room from the Sludge Storage Area.*

    a. *Can you please advise if the existing wall penetration needs to be repaired once the existing conveyor is removed? If so, can you please provide a construction detail for the repair of the wall penetration?*

       The opening in the wall between the Press Room and Sludge Storage Area will need to be sealed after the existing sludge conveyor is removed. The wall construction consists of a wood frame with vinyl-faced board on both sides. A material similar to the existing vinyl faced board fastened to the existing walls will be required to close the wall opening.

20. *Drawing PE-14.1 indicates that the new conveyors are to penetrate through the wall that separates the Belt Press Room and the Sludge Storage Area, and the East exterior wall of the Blower Building.*

Can you please advise how the conveyor wall penetration needs to be sealed? Please provide a construction detail for the desired enclosure/seal.

The closure for the new conveyor wall penetrations in the wall between the Sludge Press Room and the Sludge Storage Area will be a vinyl-faced board mechanically fastened to the existing walls. The panels will be cut out as needed to accommodate the conveyor opening.

The wall on the east side of the sludge storage building is an exterior coated steel paneling with no insulation, no inside panel. The closure piece for the new conveyor will be similar material mechanically fasted to the existing exterior steel panel.

21. *Specification Section 08315-4.01 states, "In the Headworks Building a 12-feet wide by 12-feet high motor operated, roll-up door will be provided and installed as specified in this Section". The "Door Schedule" on drawing A-0.1 denotes this door as Tag/ID 200B and notes that the Width is 12'-0" and Height is 10'-0".*

    a. *Can you please confirm desired size for Door # 200B? Is this a 12'x12' or 12'x10' roll-up door?*

        See Addendum 3, Revised Specification C-08315.

22. *Per specification Section 08315-2.01.C.7 Roll-Up Doors that have electric operators are to be supplied with a control panel and pushbutton stations in NEMA 12 Enclosures. However, per drawing E-2.3 the interior of the Headworks Building is a Class 1, Div 2 Area.*

    a. *Can you please advise on enclosure requirements for the Motor Operator on Roll-Up Door 200B? Is a NEMA 12 Enclosure required and will this enclosure meet Class 1, Div 2 requirements?*

        See Addendum 2, Item 1 of Responses.

23. *Specification Section "09651-Resilient Base and Accessories" is included in the technical specifications; however, I am unable to find any resilient base shown in any of the buildings throughout the plan sheet. Can you please advise where resilient (thermoplastic-rubber) base is to be installed on the project? If no thermoplastic-rubber base is required on the project, can this specification section be deleted from the project specifications via Addendum?*

    The resilient base will be in the Electric Building along entire inside wall.

24. *At the Headworks Building can you please confirm if the canopy area is to have just a plywood soffit or an aluminum soffit? Detail 6/A-2.8 just calls for "Plywood Soffit", while details 7 & 8 / A-2.9 call for "Soffit with Alum. Soffit System (Typ).". If this area is to have an aluminum soffit, is the soffit to attach directly to the bottom of the roof trusses or should this area have plywood sheathing that the soffit attaches too?*

    At the Headworks Building, ceiling for the canopy will have plywood attached to the trusses and the aluminum soffit material will be attached to the plywood with a trim board at the outer edges.

25. *There are 7 drawings attached that depict wall sleeves that need changed.*

    See Addendum 3, Revised Sheets S-2.1, S-3.3, S-4.1, S-5.1, S-7.1, PE-6.2., and S-0.11.

26. *Paving questions.*

    a. *Please provide the thickness for the pavement to be planed and resurfaced.*

       Not known. To be field verified before construction .

    b. *Will there be any patchwork required in the mill and fill asphalt area? Can this be quantified? Thickness and size?*

       No

27. *On the original bid in addendum 2 and addendum 3 everything for BABA was removed. On the rebid in Exhibit 2 – funding requirements list BABA as required. Can this be removed from the bid documents.*

    BABBA is not required. The specific forms for BABBA compliance have not been included in C-800 Exhibit 2.

28. *11841,2.01D &F, The specified torque requirements appear to be inconsistent, as the listed 100% design torque of 25,000 ft-lbs exceeds the specified momentary torque of 18,000 ft-lb. The clarifier manufacturer proposes a drive rated for 21,0900 ft-lbs AGMA torque with 65,800 ft-lbs momentary peak torque, which exceeds the specified continuous torque requirement of 9,000 ft-lbs. Please confirm the proposed drive ratings are acceptable.*

    See Addendum 3, Revised Specification C-11841

29. *11841,2.03.N, The specification mentions a rotating sludge manifold, but the drawings do not clearly indicate if the spiral scraper conveys sludge to a sludge hopper or to a central sludge collection manifold. Please confirm the intended sludge collection manifold. Please confirm the intended sludge collection arrangement and specifically if the rotating sludge drum is applicable to this design.*

    See Item 28 above.

30. *Per site drawings C-104.2 & C-104.3 we are to install new natural gas line as shown tie into existing, correct? What material is the existing NG yard piping?*

    Existing natural gas pipe material is not known.

31. *On C-104.2 the NG line is show as 2" going to the headworks It then reads ¾" at what point does it reduce?*

    See Addendum 3, Revised Sht. C-104.2

32. *Per site drawings C-104.2 & C-104.3 Do we need to install yard corporate stops (on natural gas lines) before risers at buildings and each tie-in point?*

    Corp stops required on all utilities before entering buildings.

33. *Columbia gas is mentioned as installing a new service, meter setting and regulator to 2 psi, is this for the whole site and will you issue a civil drawing showing where this will be located along with pipe size that will be needed for new tie in?*

    New meter will be in the Digester Control Building lower level. A 2-inch line will be required.

34. *Looking at this drawing PE-14.2 in addendum #2 it appears there has been a change from original P-15.1. Will you be issuing a revised drawing for P-15.1 reflecting change to now have a dedicated Potable waterline for eye/shower wash and utility sink piping system correct? Please advise.*

    See Addendum 3, Revised Sheets PE-14.2, PE-15.1 and P -15.1

35. *Please clarify where excess clean dirt from excavations will be stockpiled onsite for future use and how much is the maximum volume this location can hold? If the volume of dirt the Contractor produces (due to means and methods) exceeds this maximum volume, please verify if the remaining is to be hauled and disposed of offsite?*

    See Addendum 3, Revised Specification C-02200.

36. *On the Plant Single Line Drawing on drawing E101.1 it calls out the conduit between the incoming Utility and the transformer to 3 sets of 3" conduit, based on the Electric Site plan and the duct bank cut sections on E-100.2 and E-0.4 it calls it out as section Q with over 20 conduits ran between them. Please confirm which is correct.*

    See Addendum 3, Revised Drawings E-101.1 and E-0.4.

37. *The re-issued Bid Form in Addendum 2: The allowance for Item 1c shows $63,00 zero. Please reissue the Bid Form.*

    See Addendum 3, Revise Bid Form

BID FORM

VILLAGE OF OAK HARBOR

WWTP IMPROVEMENTS

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

Village of Oak Harbor
Village Administrator
146 Church St.; P.O. Box 232
Oak Harbor, OH 43449

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:

Addendum No.	**Addendum, Date**
_____	_____
_____	_____
_____	_____
_____	_____

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, 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. 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 e 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:

Base Bid Equipment or Product Manufacturer List	
Specification Section	**Equipment or Product Manufacturers** Select One by Circling
08125	Cross Aluminum Doors
11104	Sanitaire Division of Xylem
11210	Evoqua Water Technologies
11223	Lutz-Jesco
11233	Trojan Technologies

11238	Existing Blower	
11260	Hydro International	
11332	Duperon Corporation	
11735, 4.03, 4.04, 4.06	Flygt	
11735 4.05	Hayward-Gordon	Wemco
11735 4.07	Roto	
11835	Process Wastewater Technologies LLC	
11841	Westech, Ovivo, Evoqua, Walker, Clear Stream **(Addendum 3, Issued 10/30/2026)**	
11841 4.02	Ford Hall	
16220	Caterpillar, Cummins-Onan, Kohler	
16230	Eaton	
16410	Square D	
16411	Square D	
16421	Eaton	
16440	Lake-Shore	

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.

Mandatory Alternate			
Specification Section	**Equipment or Product Manufacturers** Shall not be the same as Base Bid Provide pricing for Mandatory Alternate for all listed Equipment or Product manufacturers	Circle One Assumed to be a deduct unless one is circled	**Dollar Amount**
11735 4.05	Hayward-Gordon	Add/Deduct	
	Wemco	Add/Deduct	
11835	Esmil, Inc	Add/Deduct	
11841	Westech	Add/Deduct	
	Ovivo	Add/Deduct	
	Evoqua	Add/Deduct	
	Walker	Add/Deduct	

Mandatory Alternate			
Specification Section	**Equipment or Product Manufacturers** Shall not be the same as Base Bid Provide pricing for Mandatory Alternate for all listed Equipment or Product manufacturers	Circle One Assumed to be a deduct unless one is circled	**Dollar Amount**
	Clear Stream **(Addendum 3, Issued 10/30/2036)**	~~Add/Deduct~~	
16220	Caterpillar	Add/Deduct	
	Cummins-Onan	Add/Deduct	
	Kohler	Add/Deduct	
	(Addendum 2, Issued 10/22/2026)		

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	Wastewater Treatment Plant Improvements	1	LS					
	Allowances							
1A	General Contingency Allowance	1	LS	$250,000				
1B	SCADA Main Control Panel	1	LS	$170,000				
1C	SCADA/ PLC Programming, O&M Manuals, Training and Project Management	1	LS	~~$63,00~~ $63,000 **(Addendum 3, Issued 10/30/2026)**				
1D	SCADA/PLC Start-up and Commissioning	1	LS	$20,000				
1E	Laboratory and Misc. Equipment	1	LS	$10,000				
	Contingency Items							

Item No.	Description	Estimated Quantity	Unit	Unit Cost in Numbers		Unit Price in Words	Total Estimated Cost of Item	
2	Excavation of Unsuitable Material	250	CY					
3	Additional Special Backfill	250	CY					
4	Additional Class A Concrete	20	CY					
5	Additional Reinforcing Steel	200	Lbs					
6	Additional Sidewalks	2,500	SF					
	Alternates							
7	Demolition of the Existing Plant	1	LS					
Total Estimated Construction Cost:								

ARTICLE 6 – TIME OF COMPLETION

6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

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. Required Bid security; and

B. Evidence of authority to do business in the state of the Project; and

C. Previous Experience on similar projects or similar nature of work and value; and

D. Present project commitments, value of work remaining, and scheduled completion; and

E. List of Subcontractor, Process Equipment Suppliers and Material Supplier including their bid amount; and

F. Funding Documents included in Exhibit 2;

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 02200
EXCAVATION AND BACKFILL

PART 1 GENERAL

1.01 SCOPE

A. This Section includes all excavations and related Work for the construction of the designated structures, pipelines, and other incidental Work.

B. Excavation includes the Work of making all necessary excavations for the construction of all Contract Work; of furnishing, placing, and use of sheeting, shoring, and sheet piling necessary in excavating for and protecting the Work and workers; of doing all pumping and fluming necessary to keep the excavation free from water; of providing for uninterrupted flow of existing streams, treatment plant processes, drains and sewers; of damming and coffer damming where necessary; of supporting and protecting existing structures, pipes, conduits, sewers, culverts of all types of materials of construction, of supporting and protecting railroad tracks, posts, poles, wires, fences, buildings, and other public and private property adjacent to the Work; of removing and replacing existing sewers, culverts, pipelines, and bulkheads where necessary; of removing after completion of the Work all sheeting and shoring not necessary to support the sides of excavations; of removing and disposing of all surplus excavated material or material under structures that does not meet the soil design bearing capacities; of doing all backfilling, of compacting backfill to limits specified or ordered by the Engineer; and restoring all property damaged as a result of the Work involved in this Contract.

C. The Work includes obtaining and transporting suitable fill material from off-site when on-site material is not available.

D. The Work includes transporting surplus excavated material not needed for backfill at the location where the excavation is made, to other parts of the Work where filling is required, or disposal of all surplus on other sites selected by the Owner.

1.02 SUBMITTALS

A. Submittals shall be in accordance with the requirements of Section 01300 and shall include:

1. Shop Drawings for Review:

a. Sieve Analysis (ASTM C136) - One test for each material source.

b. Submit a moisture density curve (ASTM D698) for each type of material used for backfill. Test shall be referenced to appropriate sieve analysis test. The maximum dry weight and optimum moisture content shall be indicated.

c. Controlled Density Fill Material - Design Mix and Certified Test Results.

d. Test results for conformance with specified "Compaction Requirements":

1) Retests shall be referenced to the corresponding failing test.

e. Stripped soil and topsoil test per ODOT 659.

2. Information for the Record:

a. When excess excavated material is disposed at locations off the Site, the Contractor shall obtain and submit written permission from the Owner of the property upon which the material is to be placed.

b. Dimensional drawings of shaft and shaft liner construction, layout and related appurtenances and description of shaft construction and removal sequence.

c. Design certifications and calculations for shaft and shaft liner systems sealed by a Professional Engineer in the State where the project is located.

d. Manufacturer's product literature and details of shaft construction and shaft liners and accessories.

e. Shaft information provided as indicated in this Section shall be provided.

f. Details of the proposed method of installation and construction of dewatering wells.

g. Schedule of the proposed sequence of dewatering well construction.

h. Dewatering logs.

i. Submit method for abandoning dewatering well.

PART 2 PRODUCTS

2.01 TOPSOIL

A. Soil stripped from the Site shall consist of loose, friable, loamy topsoil without admixture of subsoil or refuse. It shall be reasonably free from peat, muck, roots, hard clay, coarse gravel, stones, weeds, tall grass, brush, sticks, litter, ground debris and wood products. The stockpiled soil shall be subject to the approval of the Engineer.

B. Topsoil provided shall be in accordance with ODOT 653 and be loose, friable, loamy soil without admixture of subsoil or refuse. In order for the topsoil to be considered loamy the fraction of topsoil, passing a No. 10 sieve, shall contain not more than 40% clay. Topsoil shall contain not less than 4% nor more than 20% organic matter as determined by loss on ignition of oven-dried samples to constant weight at 212 degrees F.

C. Excess material shall be removed from Site, unless directed otherwise by Owner or Engineer.

2.02 SELECTED BACKFILL

A. Selected backfill shall be clean excavated soil. It shall be free of rock and foreign debris of any kind and shall be tested in accordance with ASTM C136 sieve screen analysis and ASTM D2487 soil classification. The material's use as selected backfill shall be approved by the Engineer.

B. Engineer may waive material testing of selected backfill. Such waiver shall apply only to the designated location and the source of the selected backfill. Such waiver shall not apply to excavated soil from locations not so designated.

2.03 SPECIAL BACKFILL MATERIAL

A. Special backfill material shall conform to ODOT 304 - Limestone.

2.04 AGGREGATE BEDDING MATERIAL

A. Aggregate bedding material shall be well-graded durable crushed gravel, crushed stone or meeting the graduation requirements of ODOT Table 703.01-1.

B. Aggregate bedding material shall be as follows:

1. For PVC, HDPE or plastic pipe, bedding material shall be No. 8 Aggregate Stone (nominal size 3/8-inch to sieve No. 8).

2. For ductile iron pipe, bedding material shall be No. 8 aggregate stone, sand or screenings per ODOT 703.11.

2.05 LOW STRENGTH MORTAR BACKFILL (LSM)

A. Low strength mortar backfill (also called Control Density Fill/CDF or flowable fill) shall be a cement base fill material that can be deposited in a fluid state. It shall be composed of portland cement and approved filler material, sand and water. The mixture and shall have a compressive strength of 100 psi minimum and 500 psi maximum.

B. LSM material shall be in accordance with ODOT Item 613, Type 1 or Type 2.

C. The Contractor shall select and submit for approval a mix design(s) appropriate for the proposed work.

2.06 GEOTEXTILE FILTER FABRIC

A. Geotextile filter fabric shall be placed around underdrain pipe and washed AASHTO no. 67 aggregate per underdrain pipe detail.

B. Geotextile filter fabric shall be needle punched, nonwoven geotextile meeting ODOT C&MS 712.09 Type C minimums for tensile, tear, puncture, and elongation AND with minimum permittivity ≥ 0.5 s^{-1} (ASTM D4491). Apparent opening size (AOS) shall meet ODOT Type A Soil Type-2 (≤ 0.3mm).

C. Geotextile filter fabric shall be WINFAB 600N (71209C), Dalco 1045 (71209C), Ferguson ACF N045N (71209C), or equal.

2.07 SLOPE AND CHANNEL PROTECTION

A. Riprap shall be in accordance with ODOT 601.04

B. Crushed aggregate slope protection shall be in accordance with ODOT 601.06.

C. Dumped rock fill shall be in accordance with ODOT 601.08.

D. Rock Channel protection shall be in accordance with ODOT 601.09.

PART 3 EXECUTION

3.01 COORDINATION

A. Construction Through Highways:

1. Permits - The Owner will obtain permits required for open cut construction through highways. Contractor shall be responsible for compliance with and furnishing any item required by permit such as Bond Security.

2. Notification - The Contractor shall give written notice to appropriate officials of the affected Department of Transportation, City, or County at least five days, not including weekends and holidays, before starting construction under highways and as required under other roadways.

3. Contractor shall comply with standard permit conditions of controlling authority and special provisions noted in Part 4 of this Section.

B. Test Pits:

1. The Contractor shall perform exploratory test pits as may be necessary or ordered by Engineer in advance of excavation to determine the exact location and elevation of subsurface structures, pipelines, and conduits which are likely to be encountered and shall make acceptable provision for their protection, support, and maintenance in operation. Vacuum excavation (pothole) may be used if adequate information can be obtained by such method. No additional payment shall be made for test pits.

2. Conflicts with existing utilities not located, as specified, far enough in advance of construction, shall not be considered as a basis for delay claims or additional payment.

3.02 REMOVING AND REPLACING TOPSOIL

A. Removal

1. Excavation for trenches in which pipelines, sewers, conduits and other utilities are to be installed: The Contractor may elect to strip soil and stockpile unless the Contract Documents direct stripping and stockpiling prior to excavation.

2. General excavation, other than trench excavation: The Contractor shall remove, and stockpile the top 12 inches of the existing soils from all areas of construction including, but not limited to, excavation and embankment areas, stockpile sites, construction yard, storage areas, etc.

B. Replacing stockpiled soil and topsoil

1. Trench excavation areas disturbed as a result of trenching operations and which are to be restored with grass or other plantings shall be free of peat, muck, roots, hard clay, coarse gravel, stones, weeks, tall grass, brush, sticks, litter, ground debris and wood products. The surface shall be mechanically conditioned after removal of debris. After surface is prepared, it shall be covered with topsoil or stockpiled soil material to a minimum depth of 4 inches. Topsoils and stockpiled soil material shall meet the requirements specified herein and be tested.

2. General excavation areas which are to be restored with grass or other plantings shall be free of peak, muck, roots, hard clay, coarse gravel, stones, weeks, tall grass, brush, sticks, litter, ground debris, wood products and construction debris including loose stone. The surface shall be mechanically conditioned after removal of debris. After surface is prepared it shall be covered with stockpiled soil and then have a minimum of 4 inches of topsoil placed.

C. The Work shall be in accordance with applicable portions of ODOT items 652 and 653.

3.03 GENERAL EXCAVATION

A. All necessary excavation shall be performed to accommodate the completion of all Contract Work.

B. The Drawings show the horizontal and the lower limits of structures, pipelines, sewers and other utilities. The methods and equipment used by the Contractor when approaching the bottom limits of excavation and when trimming the bottom of the excavation to a smooth surface shall be selected to prevent disturbing the soil below the bottom limits of excavation.

C. Excavation which is carried below the bottom limits shall be classified as Unauthorized Excavation, unless said excavation has been authorized by the Engineer prior to each occurrence.

D. Unauthorized excavation shall be filled with CDF material to the bottom limits. Under circumstances where structural integrity is not a factor, the Engineer may allow the

filling of unauthorized excavation with pipe bedding material or special backfill material compacted to 100% density, as specified under compaction requirements.

E. Sheeting, Shoring, and Bracing:

1. The Contractor shall furnish and install adequate sheeting, shoring, and bracing to maintain safe working conditions, and to protect newly built work and all existing adjacent and neighboring structures and utilities from damage by settlement.

2. Sheeting, shoring and bracing shall be arranged so as not to place a strain on portions of completed Work until the construction has proceeded far enough to provide ample strength. Sheeting and bracing may be withdrawn and removed at the time of backfilling, but the Contractor shall be responsible for all damage to newly built Work and adjacent and neighboring structures and utilities.

3. Sheeting, shoring and bracing shall be removed or cut-off at the time of backfilling to avoid problems with finish grade or future excavation.

F. Construction Sheeting Left in Place:

1. The Contractor shall furnish, install, and leave in place, construction sheeting and bracing when specified or when indicated or shown on the Drawings.

2. Construction sheeting and bracing, placed by the Contractor to protect adjacent and neighboring structures and utilities, may be left in place if desired by the Contractor. All such sheeting and bracing left in place, shall be included in the cost for excavation.

3. Any construction sheeting and bracing which the Contractor has placed to facilitate his work may be ordered, in writing by the Engineer, to be left in place. The right of the Engineer to order sheeting and bracing left in place shall not be construed as creating an obligation on his part to issue such orders. Failure of the Engineer to order sheeting and bracing left in place shall not relieve the Contractor of his responsibility under the Contract.

G. Removal of Water:

1. The Contractor shall at all times during construction provide and maintain ample means and devices with which to remove promptly and dispose of properly all water entering the excavations or other parts of the Work and shall keep said excavations dry until the structures to be built or pipelines to be placed therein are completed. No water shall be allowed to rise over or come in contact with concrete or masonry until the concrete and mortar has attained a satisfactory set, except in cases where the concrete has been tremied into place with the approval of the Engineer. Water shall not be allowed to rise above the bottom of the bedding stone prior to placing pipe. In waterbearing sand, well points and/or sheeting shall be supplied, together with pumps and other appurtenances of ample capacity to keep the excavation free of water and in compliance with government regulations.

2. The Contractor shall dispose of water from the Work in a suitable manner without damage to adjacent property or structures and in compliance with all regulations.

3.04 TRENCH EXCAVATION

A. Excavation for trenches in which pipelines, sewers, conduits and other utilities are to be installed shall provide adequate space for workers to place and joint the pipe properly. The trench shall be kept to a minimum width. The width of trench at the top of the pipe shall comply with the limits specified or shown on the Drawings.

B. Excavation shall be to the depth necessary for placing aggregate bedding material under the pipeline, sewer, conduits and other utilities as shown on the Drawings. If over excavation occurs, the trench bottom shall be filled to grade with compacted aggregate bedding material.

C. The amount of trench open at any one time in advance of completed Work shall be limited to the minimum necessary for conducting laying operations.

D. In general, backfilling shall begin as soon as the pipeline, sewer, conduits and other utilities are in a condition to receive it and shall be carried to completion as rapidly as possible. New trenching shall not be started when earlier trenches need backfilling or the surfaces of streets or other areas need to be restored to a safe condition.

3.05 EXCAVATION OF UNSUITABLE MATERIAL

A. Unsuitable materials existing below the Contract bottom limits for excavation shall be removed as required by the Engineer. The Engineer may rely upon the independent laboratory retained on this Project when determining unsuitable soil conditions, removal and backfill. Such excavation shall be conducted at a time when the Engineer and independent laboratory are present and shall not exceed the vertical and lateral limits prescribed by both.

B. The voids left by removal of unsuitable material shall be filled with special backfill, pipe bedding material, or CDF material as listed in Part 4 or as prescribed by the independent laboratory and as approved and ordered by the Engineer. Special backfill or pipe bedding shall be installed as described in this Section and in general shall be compacted to 100% density as specified under compaction requirements.

3.06 DISPOSAL OF UNSUITABLE AND SURPLUS MATERIAL

A. All excavated materials which are unsuitable for use in backfilling trenches or around structures, and materials excavated that are in excess of that required for backfilling and for constructing fills and embankments as shown on the Drawings, shall be disposed of by the Contractor at his expense and at sites provided by him as may be required, except that the Owner reserves the right to require the Contractor to deposit such surplus at locations designated by the Owner within a five-mile radius of the Work.

B. No surplus excavated material of any class shall be deposited in any stream or watercourse or be dumped on public property without the consent of the Owner. All spoil areas shall be left smooth, level, with drainage to a water course and proper erosion and runoff control shall be used.

3.07 BACKFILL AND COMPACTION

A. Pipe and Conduit Bedding - Unless otherwise directed, pipe, conduits and other utilities shall be installed in specified aggregate bedding material as shown on the Drawings and as specified.

B. Backfilling Under Existing Pipeline, Sewer, Conduits and Other Utilities - Where it is necessary to undercut or replace existing utility conduits and/or service lines, the excavation beneath such lines shall be backfilled the entire length with aggregate bedding material tamped in place in 6-inch layers to the required density. The aggregate bedding shall extend outward from the spring line of the conduit a distance of 2-feet on all sides and thence downward at its natural slope.

C. Backfilling with Selected Backfill - Unless otherwise specified or directed, material excavated in connection with the Work may be used for backfilling and other filling purposes, if it meets all requirements given elsewhere in this specification for selected backfill. No material shall be used for backfilling that contains stones, rock, or pieces of masonry greater than 12 inches, frozen earth, debris, earth with an exceptionally high void content, organic material, or marl. No large pieces of rock or masonry shall be deposited closer than 24 inches from the completed outside surface of any structure or pipe.

D. Backfill Immediately - All trenches and excavations shall be backfilled immediately after completion of construction therein, unless otherwise directed by the Engineer. Under no circumstances shall water be permitted to rise in unbackfilled excavation during construction or after pipe has been placed.

E. 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. Selected backfill or, where specified, shown on Drawings, or ordered by the Engineer, special backfill material shall be used in this area. The material shall be placed in uniform layers not exceeding 6 inches in depth up each side. Each layer shall be placed, then carefully and uniformly tamped to the specified density so as to eliminate the possibility of lateral displacement of pipe or structure.

F. Backfilling may be done by machinery after the backfill has been placed and compacted beyond 2 feet horizontally of structures, pipelines, conduits and other utilities and to a minimum depth of 1 foot above the tops of any buried structures, pipelines, conduits, and other utilities. The backfill material shall be deposited in horizontal layers, not thicker than one foot, and each layer shall be thoroughly compacted to the specified density by approved methods before a succeeding layer is placed. In no case, will backfill

material from a bucket be allowed to fall directly on a structure or pipe and in all cases the bucket must be lowered so that the shock of the falling material will not cause damage.

G. Backfilling Under Pavement and Walks - Where existing or new pavement, driveway, parking lot, curb and gutter, or walk is over an excavation, special backfill material shall be used to backfill the entire excavation from the bedding to surface. The material shall be placed and compacted to the required density in accordance with one of the following methods:

1. The backfill material shall be deposited in 6-inch horizontal layers and each layer shall be thoroughly compacted to the proper density by approved compaction method before a succeeding layer is placed.

2. No method of compaction which alters the gradation of the special backfill material or prevents compaction testing by standard testing methods shall be used.

H. Backfilling with Controlled Density Fill Material (CDF) - Where called for on the Drawings, specified, or ordered, CDF material shall be used in lieu of special backfill or bedding material specified herein. Before placing CDF material, the Contractor shall take required measures to protect the Work against flotation.

I. Backfilling Under Structures - Where structural slabs, mats or footings are to be placed on a backfilled area, special backfill material shall be used unless otherwise noted on the Drawings. The backfill material shall be placed in 6-inch horizontal layers and each layer shall be thoroughly compacted to the specified density by approved methods before a succeeding layer is placed. Where backfill is to be placed on undisturbed side slopes steeper than one vertical to six horizontal, steps shall be formed into the slope before each layer of the backfill is placed. These steps shall be cut vertically at no more than 2-feet intervals and shall have a horizontal dimension of not less than 3-feet.

J. Prior to backfilling under structures, the natural subgrade shall be evaluated at regular intervals in each direction by the independent testing laboratory to determine that the subgrade can obtain the design bearing capacity given by the “Structural Design Data” table on the Drawings. If the subgrade cannot obtain the design bearing capacity, then the testing laboratory shall submit a remedy to the Engineer for approval and for the Contractor to perform.

3.08 COMPACTION REQUIREMENTS

A. In areas to be filled, after the top 12-inches of soil is stripped, then the undisturbed subgrade shall be compacted to not less than 100% of maximum dry density per ASTM D698 (Standard Proctor) prior to placing of fill.

B. Backfill placed under areas receiving concrete slabs, mats, footings, or within the interior of buildings shall be compacted to not less than 100% of maximum dry density per ASTM D698.

C. Backfill placed around structures where other structures, pipelines, or slabs are to be constructed shall be compacted to not less than 100% of maximum dry density per ASTM D698.

D. The material used to construct embankments and fills in locations other than under pavements, walks, structures, or slabs and around and over pipelines, shall be compacted to not less than 95% of maximum dry density per ASTM D698.

E. All other backfill, including backfill around and over pipelines, and backfill around structures not covered in Paragraphs B. and C. above, shall be compacted to not less than 95% of maximum dry density per ASTM D698.

F. The bottom of excavations upon which concrete slabs or structures are to be placed shall be compacted to obtain 100% maximum dry density per ASTM D698 in the top 12 inches.

G. All soil subgrade which will provide bearing support for pavements or curbs, shall be compacted to a width of 6 inches beyond the back of curb and to a depth of 12 inches below the bottom of excavation to a density of not less than 100% of maximum dry density per ASTM D698. All fill below the subgrade shall be compacted to not less than 98% of maximum dry density, unless specified otherwise.

H. Subgrade under the driveways and walks shall be compacted to a depth of 6 inches below the subgrade surface to density of not less than 100% of the maximum dry density determined by ASTM D698.

I. Subgrade under structures shall be compacted to a depth of 12 inches below bottom of excavation surface to a density of not less than 100% of the maximum dry density determined by ASTM D698.

3.09 COMPACTION TESTS

A. Trenches and excavation around structures shall be backfilled and consolidated in layers, as specified, to the existing ground surface. Initial test series for each type of backfill material shall be continued until the method of consolidation employed has proven to attain the required compaction. Any change in the proven method of consolidations will require additional testing and field verification of compaction.

B. Subgrade below pavements, curbs, sidewalks, and structures shall be consolidated as specified. Compaction tests shall be performed to verify specified consolidation.

C. Subsequent tests or series of tests shall be in locations and at depths ordered by the Engineer.

3.10 RESERVED

3.11 STREAM BANK PROTECTION

A. Following the installation of the pipeline or other structures, all Work areas along or crossing streams shall be restored immediately in accordance with procedures outlined below and in accordance with applicable permits.

B. Excavated areas shall be backfilled and compacted as specified herein and in no case, shall the density be less than the surrounding area.

C. Permanent riprap shall be placed 12 inches thick over disturbed areas of the stream's bank as shown on the Drawings or required. Excavated areas to be riprapped shall be backfilled and consolidated as specified for pavement and sidewalks. Installation of materials for riprap shall conform to ODOT Item 601.08 "Dumped Rock Fill," (703.19-Type B).

D. All soil exposed above the permanent riprap protection line shall be either sodded or seeded, fertilized, and mulched. Temporary jut matting or synthetic matting shall be used to protect slopes until climatic conditions permit seeding or sodding. Exposed banks shall not remain unprotected over five days unless permitted by the Engineer in writing.

E. Seeding and sodding shall be as specified in Section 02800.

3.12 SHAFT CONSTRUCTION

A. This paragraph covers construction of shafts; whether shown on the Drawings, required by governing agencies or desired by Contractor. Construction shafts and appurtenances are temporary structures and are considered as means and methods used by the Contractor in completing the Work and therefore, are the responsibility of the Contractor. The following describes the minimum requirements of the construction shafts.

1. Design, fabrication, and erection of shafts shall be in accordance with, but not limited to, the Bureau of Mines, OSHA, NFPA.

2. Contractor shall comply with requirements of applicable permits and governing agencies.

3. Shaft liners shall be utilized and material selection shall be Contractor's responsibility.

4. The Contractor shall be responsible for any settlement of structures, utilities, street surfaces, railroad tracks; damage to structures, pavement, sidewalk, curbing surface improvements, or public and private utilities in the vicinity of the shaft and shall repair or have repaired any damage caused thereby.

5. The excavation for the shaft shall be kept to the outside diameter of the shaft liner or timbers and any voids that might occur due to over excavation, sloughing, rock displacement, etc. shall be filled with CDF, Grout or Class B concrete to avoid any settlement/shifting of the overburden.

6. Pipes, conduits and their trenches (which can conduct water) discovered during excavation of shaft shall be redirected or relocated, permanently or temporarily, to avoid settlement, undermining of surrounding area and water infiltration into shaft.

7. Drainage - The Contractor shall minimize groundwater entering the shaft by installing additional sheeting, grouting, or other methods as required to prevent movement of soil that may impact structures, utilities, street surface, railroad tracks, sidewalks, curb, or any other facilities in the vicinity. The Contractor shall furnish, install, and maintain all facilities for collecting, conveying, and disposing of water in shafts in an acceptable manner and in compliance with applicable regulations until the completion of the Work. The pumps and power supply to the pumps shall be the responsibility of the Contractor. Effective and continuous control of water during the placing of concrete will be required.

8. Contractor shall design the shaft and appurtenances. Contractor's design of the shaft shall take into account additional loads that may be imparted on the shaft from construction equipment on the surface; lifting and hoisting; jacking and pushing operations, and adjacent structures.

9. Shaft size, if shown on the Drawings, is a recommendation based on the design intent. Should Contractor's operation require a shaft of a different size, it may be modified after reviewing it with the Owner and Engineer.

10. Coordinate size and location of concrete foundations and casting of anchor-bolt inserts into foundation walls and footings required for installation of pipe or structure. Concrete, reinforcement, and formwork requirements are specified in Division 3 of the specifications.

11. The Contractor shall have on hand at all times, sufficient machinery for emergencies that are likely to arise on Work of this character and such machinery shall be kept in good working order.

12. When operations within shaft or tunnel are not active, the shaft shall be covered.

13. Contractor shall conduct operations and work as expeditiously as possible to minimize the length of time the shaft is open.

14. Ventilation - The Contractor shall keep the shaft air in a condition suitable for the health of the occupants. A sufficient supply of fresh air for the safety and efficiency of occupants shall be provided at all times. Ventilation shall also take into account the ventilation requirements of any spaces connected to the shaft such as tunnels.

15. Methods and procedures used shall conform to applicable OSHA standards including 29CFR Part 1926 Subpart S-Underground Construction, Caissons, Cofferdams, and Compressed Air.

PART 4 SPECIAL PROVISIONS

4.01 RESERVED

4.02 PERMITS

A. The U.S. Army Corps of Engineers Permit No. LRB-2019-00837, Nationwide Permit No. 7 is attached and made a part of the specified requirements. Contractor shall be responsible for compliance with permit requirements and cross reference requirements.

4.03 USE OF EXCAVATED MATERIAL FOR ON-SITE FILL REQUIREMENT

A. Excess clean excavated material shall not be hauled offsite. Excess clean excavated material from construction will be used for on-site embankment and planned grading. Excess clean excavated material not used for on-site embankment and planned grading will be store on site at a location identified by the Owner. **(Addendum 3, Issued 10/30/2026)**

END OF SECTION

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SECTION 08315
ROLL-UP DOORS

PART 1 GENERAL

1.01 SCOPE

A. This Section includes the furnishing and installing of roll-up doors complete and ready for service as shown on the Drawings and described in this Section.

B. Each roll-up door shall be furnished complete with a curtain, hood, guides, gears, motor operator, weather-stripping, safety strip, and all other accessories required for satisfactory operation.

C. The erector of the doors shall be approved by the manufacturer.

D. Additional product requirements are specified in Section 01350.

1.02 SUBMITTALS

A. Submittals shall be in accordance with the requirements of Section 01300 and shall include:

1. Shop Drawings for Review:

a. The Contractor shall indicate all variances from the requirements of the Contract Documents.

b. Door Schedule.

c. Dimensional Drawing.

d. Manufacturer's literature.

e. Electric Operated Doors:

1) Motor information per Section 11050.

2) Wiring schematic.

3) Controls catalog data.

2. Operation and maintenance manual.

PART 2 PRODUCTS

2.01 EQUIPMENT

A. General - The dimensions of the roll-up doors shall be as shown on the Drawings and as called for in the door schedule. The doors, frames, and operators shall be products of Overhead Door Corp., or equal.

B. Doors:

1. The door curtain shall be of interlocking slats formed in easy curves without sharp bends. The slats shall be flat profile and shall be insulated. The front of the slat shall be 0.040-inch-thick aluminum while the back of the slat shall be 0.024-inch-thick aluminum.
2. Slats shall be of sufficient section to provide curtain strength adequate to safely resist a wind load of 20 pounds per square feet.
3. Insulation shall be CFC-free polyurethane providing an R value of 7.7.
4. Ends of slats shall be provided with end locks with integral slat lugs as wind locks which engage bars and lock the curtain in the guides. Bottom bar shall be two aluminum angles.
5. The curtain shall be coiled on a pipe or barrel of size sufficient to carry the door load, with a deflection not to exceed 0.03 inch per feet of opening width. The door shall be evenly counterbalanced by helical springs contained in pipe. All springs shall be anchored to the same tension rod and held in position by the same adjusting wheel accessible from the outside.
6. The coil brackets shall be of high grade iron or precision formed steel plate designed to house the ends of the coils and support the counterbalance assembly.
7. The coil shall be housed in a minimum 24-gauge aluminum hood.
8. The gears shall be high grade gray iron, cast teeth machine molded from machine-cut patterns.
9. The guides shall be built of structural aluminum angles to form a slot of sufficient depth to retain curtain in guides against heavy wind pressure. Guides shall be provided with wind lock bars.
10. Guides and hood shall be weather-stripped to prevent air passage.
11. Doors shall be equipped with vinyl or neoprene seals to close the void between the door and head.
12. A slide bolt capable of being pad locked when in the locked position shall be provided and installed on the bottom rail of the curtain. The curtain guide shall be slotted so the bolt can be engaged in the slot holding the door open at 2-foot intervals or less. Electric interlocks shall be supplied at each slot to disable the motor if the door is locked.

C. Electric Operators:

1. The electrically operated roll-up doors shall be provided with a compact unit designed and built by the door manufacturer, requiring a minimum side clearance.

2. The motor to be high starting torque having sufficient power to operate door at an approximate average speed of 1-foot per second. The electrical supply to the motor will be 480/3/60.

3. Adjustable screw-type limit switches which will break the circuit at the termination of travel.

4. High efficiency worm gearing, running in an oil bath, should be furnished together with a spring-set solenoid operated brake completely housed to protect against damage, dust.

5. An emergency hand-chain operator which does not affect the timing of the limit switch shall be provided to operate the door in case of power failure.

6. The operator shall be designed to transmit motion to the door without shock and automatically release motor from driving unit prior to stalling, so as to prevent any damage to unit from any type of overload. An efficient overload protective device, which will break the power circuit and protect against damage to motor windings, shall be both heat and current sensing, and installed integral with the unit.

7. Each door shall be supplied with a control panel that contains a reversing starter, control transformer, and all operating components connected to a terminal strip. Also supplied with each door shall be a fused disconnect and an "open/close/stop" pushbutton station shipped loose with each door operator. All enclosures shall be NEMA 12 unless otherwise noted on the Drawings.

8. Unless otherwise noted on the Drawings or in the Door Schedule, the Contractor shall provide a combination compressible weather seal and an electrical safety strip mounted along the bottom edge of each motor operated door. The device shall operate in conjunction with the door operator control to stop and reverse the door to the open position if an obstruction is encountered while closing.

9. Location of door operator shall be as shown on the Drawings.

PART 3 EXECUTION

3.01 DELIVERY, STORAGE, AND HANDLING

A. Deliver, store, and handle roll-up doors in accordance with the requirements of Section 01350.

3.02 INSTALLATION OF FRAMES

A. Set frames to maintain scheduled dimensions, hold head level, and set jambs plumb and square.

B. Secure anchorages and provide connections to adjacent construction.

3.03 INSTALLATION OF DOORS

A. Comply with manufacturer's instructions for installation of door hardware, operator, and other components. The installation shall include conduit and wire per Division 16, required to connect the pushbutton station, disconnect switch, and safety strip to the control panel.

B. Adjust so doors operate smoothly and fit properly when closed.

C. Adjust and lubricate locks and operators.

D. Clean surfaces and remove protective tape and excess caulking sealants.

PART 4 SPECIAL PROVISIONS

4.01 HEADWORKS BUILDING

A. In the Headworks Building a 12-feet wide by 10 ~~12~~ **(Addendum 3, Issued 10/30/2026)** feet high motor operated, roll-up door will be provided and installed a specified in this Section.

END OF SECTION

SECTION 11841
CENTER-FEED PERIPHERAL-OVERLOW CLARIFIFIERS

PART 1 GENERAL

1.01 SCOPE

A. This Section includes all labor, material, and equipment to design, fabricate, furnish, and install two center feed peripheral withdrawal type clarifiers mechanism for installation in a cast in place concrete tank.

B. The equipment shall be designed to effectively settle mixed liquor suspended solids and scrape the settled solids from the basin floor to the sludge withdrawal drum as shown on the drawings. The clarified effluent shall be collected uniformly by the peripheral launder. Surface scum shall be collected by the scum skimming equipment and discharged through the scum withdrawal pipe.

C. The following items shall be furnished for each clarifier:

1. Drive mechanisms complete with reducer, motor, microswitch overload device, and shear pin.
2. Center support pier with inlet openings, anchor bolt template, and grout shield.
3. Center cage, truss arm, and manifold.
4. Access bridge including center platform, handrail, and toe plate.
5. One surface skimmer with skimmer blade.
6. One scum trough and ramp with flushing device.
7. Influent flocculating feedwell system and supports.
8. Associated attachment bolts and anchor bolts for all the above listed items.

1.02 SUBMITTALS

A. Submittals shall be in accordance with all requirements of Section 01300 and shall include:

1. Shop Drawings for Review:
    a. Scaled dimensional drawings of all components.
    b. Wiring schematics with termination point identification
    c. Motor information per Section 11050.
    d. Information to verify compliance with all specified requirements.
    e. Written certification that the proposed drive meets AGMA standards.

f. General arrangement of drive unit verifying AGMA torque, overload protection system, housing and gear materials and horsepower.

g. Complete test procedure for torque testing the collector mechanism for the AGMA torque specified.

h. Complete assembly drawing of the collector components giving:

1) Type of material used for each component.

2) Dimension, thicknesses, and weights of each component.

i. Verification that planned dimensions and layout of the clarifier mechanisms, and algae sweeps will not conflict with the planned dimensions of the final clarifier tank dimensions and operating liquid levels. Note required adjustments to either mechanism or tank dimensions.

2. Information for the Record:

a. Operation and maintenance manual information shall be submitted before the first mechanism is placed into service.

1.03 QUALITY ASSURANCE

A. The equipment manufacturer shall have not less than ten successful installations of the type specified at a minimum of ten different municipal wastewater treatment plants.

1.04 GUARANTEE

A. The Contractor shall guarantee that the clarifier equipment will perform in accordance with these Specifications when operated within the specified conditions. In the event of the failure to meet the specified requirements, the Contractor shall make any and all needed corrections, including replacement of the entire system, to meet the specified requirements.

PART 2 PRODUCTS

2.01 PERFORMANCE

A. Hydraulics shall be designed to handle the following flow rates (per basin):

	Minimum	Average Daily Flow (0.93 mgd)	Peak Hydraulic*
Effluent Flow (mgd)	0.1	0.46	4.0
Return Flow (mgd)	0.1	0.46	0.93
Mixed Liquor Flow (mgd)	0.2	0.92	2.0

*Peak hydraulic flow is for one clarifier out of service.

B. Design average solids loading rate 1000 ~~lb/day/ft~~ gal/day/sq. ft. **(Addendum 3, 10/30/2026)**

C.	Design maximum solids loading rate	1,200 ~~lb./day/ft~~ gal/day/sq ft **(Addendum 3, 10/30/2026)**
D.	Drive continuous torque	9,000 ft-lb
E.	Drive 100% design torque	~~25,000 ft-lb~~ 18,000 ft-lbs. **(Addendum 3, 10/30/2026)**
F.	Drive momentary peak torque	~~18,000 ft-lb~~ 25,000 ft-lbs. **(Addendum 3, 10/30/2026)**
G.	Mechanism rotation	Clockwise (South) Counterclockwise (North)
H.	Rake arm tip speed	8-12 ft/min

2.02 GENERAL

A. The equipment shall be designed for installation in a circular concrete tank with the dimensions shown on the Drawings and presented in Section 2.03.

2.03 TANK DIMENSIONS

A.	Basin diameter	60'-0"
B.	Side water depth	15'-0"
C.	Floor slope	1:12
D.	Center column diameter	22"
E.	Feedwell diameter	16'-0"
F.	Feedwell submerged depth	5'-0"
G.	Energy dissipating inlet (EDI) diameter	6'-0"
H.	EDI submerged depth	2'-6"
I.	Number of baffled EDI openings	6
J.	Cage minimum size	2'-10" square
K.	Rake arm minimum size	2'-10" square
L.	Spiral blade height at tank wall	6"
M.	Spiral blade height near tank center	18"
N.	~~Rotating sludge drum diameter~~	~~5'-10"~~
O.	Rotating sludge drum height	20" **(Addendum 3, Issued 10/30/2026)**
P.	Scum trough width at outer edge	3 feet

2.04 DRIVE MECHANISM

A. Drive mechanism consisting of primary helical gear reduction, intermediate worm gear reduction unit and enclosed final reduction unit consisting of internal spur gear and pinion in a turntable base is to be completely assembled and finish painted in the manufacturer's shop.

B. All gearing shall be enclosed in gray cast iron ASTM A-48 Class 40B housings. Exposed gearing and submerged bearings will not be acceptable. The drive shall be designed to allow removal and replacement of internal gear, balls, and strip liners without raising the walkway.

C. All components of the drive mechanism shall be designed in accordance with AGMA Standard 6034-B92 (February, 1992) "Practice for Enclosed Cylindrical Worm Gear Speed Reducers and Gearmotors", and Standard 2001-B88 (September, 1988) "Fundamental Rating Factors and Calculation Methods for Involute Spur and Helical Gear Teeth"; for 24-hour continuous, uniform load duty and 20-hear design gear life at the specified output speed. The AGMA rated torque of the drive shall be the lowest value computed for worm gear set, spur gear and pinion for strength and durability.

D. Conservative values for bending strength and pitting resistance life factors K1 and C1 based on a minimum of 420,000 cycles of the main gear shall be used. The drive AGMA torque rating shall be as specified with 1.25 service factor. All bearings shall be designed for a minimum B-10 life of 200,000 hours.

E. Primary Reduction Unit:

1. Provide commercially available helical gear reducer or gearmotor in a cast housing. All bearings shall be anti-friction type running in oil.

2. Motor shall be totally enclosed, ball bearing type, of ample power for starting and continuously operating the drive mechanism without overloading. Motor to conform to NEMA standards, suitable for operation on 230/460 volt, 3 phase, 60 Hertz current, and shall comply with the requirements of Section 11050.

3. Primary reduction unit shall drive the intermediate reduction through a chain and sprocket arrangement with No. 80L self-lubricating chain and non-corrosive OSHA approved removable chain guard.

4. An adjustable steel base mounted on the intermediate reduction unit shall be used for chain tension adjustment.

F. Intermediate Reduction Unit:

1. Provide worm gear speed reduction with grease and oil lubricated anti-friction type bearings in cast iron housing securely bolted on a machined top face of the final reduction unit. Worm and shaft shall be a two-piece assembly for ease of maintenance. Cycloidal and planetary gearing will not be acceptable.

2. Align and maintain accurate centers with the final reduction gearing. Swivel base mounting of the intermediate unit will not be acceptable. Mount an

electro-mechanical overload device on the thrust end of the worm shaft consisting of plate spring assembly, plunger, indicator dial two microswitches (one N.O. and one N.C.) and a terminal block, all enclosed in a weather tight. A strip heater shall be located in the enclosure to protect against freezing and condensation. Amperage metering devices will not be considered equal to the specified overload device.

3. Microswitches shall be factory to set to: (1) sound an alarm when the load on the mechanism reaches 100 percent of the AGMA torque; and (2) stop the motor when the load reaches 120 percent of the AGMA torque. Provide a shear pin device, set for at least 130 percent of the AGMA torque mounted on the drive end of the worm shaft.

4. Intermediate reduction shall be designed to meet AGMA 6034-B92.

G. Final Reduction:

1. Provide internal, full depth involute tooth design, ductile iron spur gear driven by a heat-treated steel pinion from the slow speed shaft of the intermediate reduction unit. Stub tooth design will not be acceptable. Provide bearings at top and bottom of pinion to ensure complete tooth contact between mating surfaces. Pinion and pinion shaft shall be furnished as a two-piece assembly for ease of maintenance.

2. Provide cast iron turntable base with annular raceway to contain balls upon which the internal gear rotates. The ball race shall ensure low unit ball load, long life and stability without the use of submerged guide shoes, bumpers or steady bearings. Provide 0.219 inch thick by 0.496 inch wide, 43-46Rc renewable special hardened (38-42 Rockwell C) steel liner strips force fitted (pins and cap screws not permitted) into the turntable base and internal gear for balls to bear on vertically and horizontally.

3. Provide an internal gear of either split or one-piece design with precision mating surfaces for ease of removal of gear, balls, and liner strips. Internal gear, pinion, and balls to run in an oil bath and be protected by a felt seal and vertical steel dust shield. The turntable assembly shall be designed such that the split internal gear, belts, and strip liners may be removed without removing the mechanism access bridge. Internal gear, pinion, and balls to run in an oil bath and be protected by a felt seal and vertical dust shield. Provide oil filling, level, and condensate removal pipes along with a drain plug and sight gauge.

4. To prevent freezing, the condensate drain shall be installed with heat tracing and a heater installed in the oil bath. Both shall be thermostatically controlled shall be installed on 120 volt /1-phase power.

5. Turntable base shall be bolted to the center column and be designed to support the bridge, internal gear, and rotating mechanism.

6. Final reduction shall be designed to meet AGMA 2001-C95.

2.05 CENTER PIER

A. A cylindrical 1/4-inch thick steel plate center pier shall support the drive, collector mechanism and access bridge. Top of pier to have a drive mounting plate set plumb with the centerline. Drive to be positioned, leveled, and grouted in place on top of pier with a non-shrink grout.

B. Manufacturer to provide minimum eight 1-inch diameter anchor bolts and steel template/grout shield to accurately locate anchors.

C. Center pier shall serve as the influent pipe.

D. Center pier shall have a minimum of four overflow areas at its upper end to diffuse flow into the influent well. The center pier port area shall be a minimum of 175 percent of the center pier internal area.

2.06 INFLUENT FEEDWELL

A. The influent well shall be fabricated from 3/16-inch steel plate sections supported from the drive cage or bridge extensions. Steel stiffeners shall be incorporated at the top and bottom to maintain shape and rigidity.

B. Feedwell shall be of adequate size to diffuse the flow into the tank at a uniform flow through velocity. Six equally spaced baffled scum ports shall be provided, cut into the influent well to permit entrapped scum to escape.

C. Feedwell shall be designed such that flow-through velocity does not exceed 0.15 feet per second at maximum flow.

2.07 FLOCCULATING BAFFLES

A. Provide inlet baffles to promote effective mixing and tapered flocculation. Baffles shall bolt to center cage and well support beams. The baffles shall be fabricated from minimum 3/16-inch thick steel plate.

B. Flow shall impinge two overlapping vertical target baffles in secession with a series of three increasing port areas.

C. Design to provide a “Gt” (G = velocity gradient in feet per second per foot, t = time in seconds) value in the well not exceeding 6,000 with a G value within the well not exceeding 65 at maximum influent flow and a minimum water temperature of 10 degrees C. Hydraulic calculations shall be provided showing dimensional characteristics, port area, velocity, headloss, and mixing intensity.

D. Provide horizontal shelf baffles to prevent downward movement in flocculation zone.

2.08 CENTER CAGE, TRUSS ARM, AND RAKE ARMS

A. The center cage shall be of steel box truss construction, with connections for the two sludge removal arms, rotating sludge collection drum and feedwell supports. The top of

the cage shall be bolted to the main gear which shall rotate the cage with the attached arms and feedwell. The minimum angle size used for construction of the cage and rake arms shall be 2 inch by 2 inch by 1/4 inch members.

B. The clarifier mechanism shall include two sludge removal arms of steel truss construction, with steel spiral rake blades and adjustable 20 gauge 304 stainless steel squeegees. The rake blades shall provide complete raking of the basin floor twice per revolution.

C. The rake blades shall consist of a minimum 3/16-inch-thick steel plate. The blades shall be constructed to a logarithmic spiral curve with a constant 30-degree angle of attack. Blade depth shall vary as noted in Article 1.04. Each rake truss support arm shall be provided with the necessary outrigger bracing and other blade support structures, to ensure that the complete blade can be properly located and adjusted in the field.

D. The rake blades shall terminate in the center to within 1 inch of the rotating sludge collection drum. The 1-inch space shall be sealed with a neoprene seal.

E. The structural calculations for the rake arm shall include an analysis of the torsional loads from the spiral curve blade.

F. The cage and rake arms shall be designed such that calculated stresses do not exceed the AISC allowable stress at twice the drive 100% rating.

2.09 ACCESS BRIDGE

A. Provide a bridge beam extending from the tank wall to the stationary drive base. Provide a bridge extension to provide access to the far side of the drive mechanism. Bridge to be designed for the dead load and a live load of 50 pounds per square foot, with a deflection not exceeding 1/360 of the span.

B. Provide a 3-feet wide walkway of 1-1/4-inch by 3/16-inch aluminum grating extending over the entire bridge length. Provide aluminum handrailing 42-inches above the walkway to serve as handrail. Provide a 4-inch-high aluminum toe plate along both sides of bridge and bridge extension.

C. Provide a minimum 9-feet by 8-feet rectangular platform to provide working clearance around the drive. Provide a 2-rail handrail consisting of 1-1/2-inch diameter, Schedule 40 mechanical aluminum pipe for rails and posts around the platform. Provide a 4-inch-high aluminum toe plate around the center platform. Provide 1/4-inch aluminum checkered floor plate on the center platform.

D. Manufacturer shall provide stairs as necessary between the access bridge and the finished grade and be supported from the access bridge or tank wall. The stairs shall not exceed a riser height of 7 inches and a tread depth of 11 inches, minimum of 3-feet wide with a walking surface of 1-1/4-inch by 3/16-inch aluminum grating. Provide aluminum handrail which extends from the access bridge down the stair's height shall be 42 inches above the walking surface and extend one foot beyond the toe of the last tread.

E. All handrail and toe plate shall be anodized aluminum. All handrail, toe plate, grating, and plating fasteners shall be 304 stainless steel.

2.10 SURFACE SKIMMER

A. Provide two skimmers consisting of scum blade, hinged wiper assembly, anti-rotational scum baffle, and scum trough with submerged shelf and flushing device. The skimmer components shall be hot dipped galvanized.

B. The stationary anti-rotational scum baffle shall be designed to trap scum as the rotating skimmer blade approaches and direct the trapped scum outward toward the scum trough. The scum baffle shall consist of a structural steel support angle hung from the bridge or a separate support beam, 3/8-inch thick by 12-inches wide neoprene baffle and ¼-inch thick steel backing bar.

C. Support the scum blade along its length with structural "A" frames bolted to the truss arm at 12-feet maximum spacing. Mount the hinged wiper assembly on the outer end of the scum blade to form a pocket for trapping scum. The wiper assembly shall maintain continual contact and proper alignment between scum blade, outer scum baffle and scum trough. The wiper blade shall have a wearing strip on its outer end which contacts the scum baffle and neoprene strip on its inner and lower edges which contact the scum trough. All springs, pivot points and threaded fasteners shall be constructed of 18-8 stainless steel.

D. The scum trough and beach shall be fabricated of 1/4-inch thick steel plate and supported from the tank wall. Scum trough shall be 4-feet wide with an overall length of at least 4.75-feet along the scum baffle consisting of beach plate, inner radius baffle, hopper, and 6-inch diameter discharge pipe. Beach plate to slope at a nominal incline of 1-3/4-inches per foot to a point 5 inches below the maximum water elevation. The submerged trough shall continue on a horizontal run for an additional 4-feet along the scum baffle. An inner radius baffle extending 9-inches below and 3-inches above maximum water level shall run from the trough to the end of the submerged shelf.

E. Provide a flushing valve assembly actuated by the main tank skimmer arm. Actuator arm shall pivot on a 3/4-inch minimum diameter stainless steel pin riding in an oil impregnated sintered bronze bushing. The actuator arm shall be counterweighted by steel plates to assure positive valve closure. The flapper valve shall be held open to allow 15 to 20 gallons of flushing water per trip.

2.11 STRUCTURAL MEMBERS

A. Structural steel shall conform to ASTM A36 with the exception of wide flange beams which will conform to ASTM A992. Structural steel components shall have minimum thickness of 1/4-inch.

B. All welding to conform to American Welding Society Standard AWS D1.1. Structural support members shall be shop welded for bolted field assembly. Field welding shall be limited to bridge splices and tack welding of skimmer connections after final positioning.

C. Design components so that stresses developed do not exceed allowable stresses, as defined by current AISC standards when designed for the AGMA rated torque. Panel lengths and member sizes shall be selected such that slenderness ratios do not exceed 200 for compression and 240 for tension. For strength, the controlling member force shall be used to determine member size. Maximum deflection in a span under combined live and dead loads shall not exceed L/360.

2.12 COATING

A. Clarifier mechanism, structural frame, fabricated items, and appurtenance, except brass, stainless steel or Aluminum, shall be painted per section 09900 or galvanized after fabrication. Damage to coatings shall be repaired, as approved by the Engineer, prior to placing the system into operation.

2.13 ANCHOR BOLTS

A. All equipment anchor bolts shall be stainless steel. The equipment manufacturer shall furnish steel template and grout shield to accurately locate anchors and allow for grouting beneath the pier and manifold seal plate after final plumbing.

2.14 MANUFACTURER

A. The clarifier mechanism equipment shall be manufactured by Ovivo USA, LLC , WesTech Inc., Evoqua Water Technologies, Clear Stream Wastewater Systems or equal.

PART 3 EXECUTION

3.01 ERECTION & INSTALLATION

A. The equipment shall be erected in accordance with the manufacturer's recommendations, Engineer's instructions, and Contract Documents.

B. All lubrication required for initial operation shall be furnished and applied in accordance with the manufacturer's recommendations.

3.02 INSPECTION, STARTUP, AND TRAINING

A. The Contractor shall furnish a factory-trained and qualified representative of the manufacturer to perform inspection, startup, and training services. The manufacturer's representative shall be experienced in the installation, startup, operation, and maintenance of the equipment.

B. The representative of the mechanism manufacturer shall inspect each tank mechanism and each tank prior to floor grouting. The representative shall certify that the equipment is ready for use in the procedure.

C. Once the tank is ready to startup, the representative shall check the installation and supervise final adjustments and initial startup of the equipment. This service shall be for

a minimum period of one trip and one day for each clarifier. The torque microswitches shall be set to meet the specified requirements. The representative shall conduct all specified acceptance test procedures and shall certify that the installation is correct and that the equipment is operating satisfactorily.

D. Within two weeks of startup inspection, the manufacturer shall submit to the Engineer a written report (minimum six copies) covering the representative's inspection and startup of the equipment. The torque test results and the setting of the torque microswitches shall be addressed in the report. This report shall include the manufacturer's certification that the installation is correct and that the equipment is operating satisfactorily.

E. After the installation and operation of the first final clarifier mechanism 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 video tape the training. This is not required to be repeated for the second mechanism.

F. In addition to the initial training, the manufacturer shall provide one eight-hour day of training at the time requested by the Owner within the one-year maintenance and guarantee period. This service shall be in addition to any warranty work.

3.03 ACCEPTANCE TEST

A. Each final settling tank mechanism shall be field tested, after erection, and in the presence of the Engineer, to confirm and verify the structural and mechanical compliance to the torque requirements specified. The testing shall be accomplished by loading the mechanism with 120 percent and 140 percent of the rated continuous torque specified. Also, this field test shall include checking the operation of warning and drive shutdown circuitry.

B. Complete test procedures shall be submitted to the Engineer for approval prior to testing; however, testing shall be accomplished with the machine in operation. Loads shall be applied to the mechanism's truss arms through cables or other means, anchored to the tank floor or wall. Load shall be applied by means of a hydraulic cylinder or springs or any means which allows the machine to rotate for a peripheral distance of at least 3-feet under load.

C. All labor, materials, and test apparatus necessary for conducting the above tests shall be accomplished at no additional cost to the Owner.

PART 4 SPECIAL PROVISIONS

4.01 SPARE PARTS

A. The following spare parts shall be provided:

1. One set of seals and gaskets for the center drive housing.

2. Two oil sight glass.

3. One set of neoprene skimmer wipers.

4.02 ALGAE SWEEP SYSTEM

A. The Algae Sweep System shall be designed and constructed for the removal of algae and debris and installed on a circular clarifier by the Ford Hall Company Inc. The clarifier mechanism manufacturer and Ford Hall Company shall collaborate and coordinate their designs so that the clarifier and brush system operate together as intended, with no adverse effects on the opposing equipment.

B. The Algae Sweep System shall clean algae and debris from the baffle, weir, spillway, and effluent flow launder of the new circular clarifier (secondary). The system consists of an attachment sleeve mounted to new clarifier equipment as directed by clarifier manufacturer, a mainframe member, several telescopic brush arms, numerous brushes of various sizes, and an assortment of springs in different configurations to provide the biasing forces. A series of brushes are mounted to the frame member and biased into engagement with the baffle, weir, spillway, and walls of the effluent flow channel. Furthermore, a bridging device is positioned over the effluent discharge hole to support the launder brush assembly, as needed. All metallic parts of the Algae Sweep System shall be constructed of Type 304 Stainless Steel.

C. The Algae Sweep System shall be designed for a brush to make contact with each of the following surfaces:

1. Inner Baffle.

2. Outer Baffle.

3. Inner Weir.

4. Outer Weir.

5. Top Spillway Surface.

6. Angled Spillway Surface.

7. Inner Launder Wall.

8. Launder Bottom.

9. Outer Launder Wall.

D. The Algae Sweep System shall be designed to work off the power of the existing clarifier drive motor. The system shall be constructed to avoid any noticeable torque increases. The unit shall be capable of encountering an indefinite stall without incurring damage.

E. The system shall be designed with an engaged position for cleaning, and a disengaged position allowing the system to ride idle around the tank.

F. The attachment assembly shall provide a means of attaching the Algae Sweep System to the skimmer arm or rake truss so as not to interfere with any other operations of the

skimmer arm (such as the effective skimming of floatable solids or the operation of the skimmer blade assembly at the scum box).

G. The attachment assembly shall be designed for each specific clarifier and shall be constructed of Stainless Steel.

H. Algae Sweep System shall allow for cleaning of all surfaces and allow for the following:

1. Flexibility to clean effluent surfaces within a plus or minus 4-inch radial variance.
2. Adjusted telescopically so that a maximum number of Brush Arm adjustments are possible.
3. To have opposite the Mainframe end, a Brush Holder attachment allowing for the insertion of a brush.
4. To have a means of biasing the arm to the Mainframe to provide sufficient force to remove algae and debris.

I. Brushes shall slip easily into the Brush Holder and provide the cleaning means necessary to remove algae and debris from their respective surfaces.

J. Brush construction shall be as follows:

1. Brush backing shall be of durable plastic able to withstand continuous exposure to sunlight, seasonal temperature changes, and the corrosive elements found in wastewater.
2. Brush bristles shall be polypropylene with adequate trim length, density, and stiffness for extended continuous use.
3. Brushes shall be cut and shaped appropriately to clean their respective surfaces without binding.

K. Provide a factory service technician on site for a minimum of two working days/unit to observe and advise the installation of Algae Sweep System.

END OF SECTION

"General Decision Number: OH20260001 09/17/2026

State: Ohio

Construction Types: Heavy and Highway

Counties: Ohio Counties of Adams, Allen, Ashland, Ashtabula, Athens, Auglaize, Belmont, Brown, Butler, Carroll, Champaign, Clark, Clermont, Clinton, Columbiana, Coshocton, Crawford, Cuyahoga, Darke, Defiance, Delaware, Erie, Fairfield, Fayette, Franklin, Fulton, Gallia, Geauga, Greene, Guernsey, Hamilton, Hancock, Hardin, Harrison, Henry, Highland, Hocking, Holmes, Huron, Jackson, Jefferson, Knox, Lake, Lawrence, Licking, Logan, Lorain, Lucas, Madison, Mahoning, Marion, Medina, Meigs, Mercer, Miami, Monroe, Montgomery, Morgan, Morrow, Muskingum, Noble, Ottawa, Paulding, Perry, Pickaway, Pike, Portage, Preble, Putnam, Richland, Ross, Sandusky, Scioto, Seneca, Shelby, Stark, Summit, Trumbull, Tuscarawas, Union, Van Wert, Vinton, Warren, Washington, Wayne, Williams, Wood and Wyandot

Heavy Construction

Highway Construction

Modification Number	Publication Date
0	01/02/2026
1	05/18/2026
2	05/20/2026
3	06/25/2026
4	07/30/2026
5	09/17/2026

BROH0001-001 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (DEFIANCE, FULTON (EXCLUDING FULTON, AMBOY & SWAN CREEK TOWNSHIPS), HENRY (EXCLUDING MONROE, BARTLOW, LIBERTY, WASHINGTON, RICHFIELD, MARION, DAMASCUS & TOWNSHIPS & THAT PART OF HARRISON TOWNSHIP OUTSIDE CORPORATE LIMITS OF CITY OF NAPOLEON), PAULDING, PUTNAM AND WILLIAMS COUNTIES)	$ 33.39	20.06

BROH0001-004 06/01/2023

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 32.40	19.30

BROH0003-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (FULTON (TOWNSHIPS OF AMBOY, SWAN CREEK & FULTON), HENRY (TOWNSHIPS OF WASHINGTON, DAMASCUS, RICHFIELD, BARTLOW, LIBERTY, HARRISON, MONROE, & MARION), LUCAS AND WOOD (TOWNSHIPS OF PERRYSBURG, ROSS, LAKE, TROY, FREEDOM, MONTGOMERY, WEBSTER, CENTER, PORTAGE, MIDDLETON, PLAIN, LIBERTY, HENRY, WASHINGTON, WESTON, MILTON, JACKSON & GRAND RAPIDS) COUNTIES)	$ 33.39	20.06

BROH0005-003 06/01/2020

	Rates	Fringes
BRICKLAYER: BRICKLAYERS; CAULKERS; CLEANERS; POINTERS; & STONEMASONS (CUYAHOGA, LORAIN & MEDINA		

(HINCKLEY, GRANGER, BRUNSWICK, LIVERPOOL, MONTVILLE, YORK, HOMER, HARRISVILLE, CHATHAM, LITCHFIELD & SPENCER TOWNSHIPS AND THE CITY OF MEDINA))....$ 36.64 17.13

BRICKLAYER: SANDBLASTERS (CUYAHOGA, LORAIN & MEDINA (HINCKLEY, GRANGER, BRUNSWICK, LIVERPOOL, MONTVILLE, YORK, HOMER, HARRISVILLE, CHATHAM, LITCHFIELD & SPENCER TOWNSHIPS AND THE CITY OF MEDINA))....$ 36.39 17.13

BRICKLAYER: SEWER BRICKLAYERS & STACK BUILDERS (CUYAHOGA, LORAIN & MEDINA (HINCKLEY, GRANGER, BRUNSWICK, LIVERPOOL, MONTVILLE, YORK, HOMER, HARRISVILLE, CHATHAM, LITCHFIELD & SPENCER TOWNSHIPS AND THE CITY OF MEDINA))....$ 36.64 17.13

BRICKLAYER: SWING SCAFFOLDS (CUYAHOGA, LORAIN & MEDINA (HINCKLEY, GRANGER, BRUNSWICK, LIVERPOOL, MONTVILLE, YORK, HOMER, HARRISVILLE, CHATHAM, LITCHFIELD & SPENCER TOWNSHIPS AND THE CITY OF MEDINA))....$ 37.14 17.13

BROH0006-005 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (CARROLL, COLUMBIANA (KNOX, BUTLER, WEST & HANOVER TOWNSHIPS), STARK & TUSCARAWAS)....$	33.39	20.06

BROH0007-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (LAWRENCE)....$	33.39	20.06

BROH0007-005 06/01/2023

	Rates	Fringes
BRICKLAYER (PORTAGE & SUMMIT)....$	32.40	19.30

BROH0007-010 06/01/2024

	Rates	Fringes
MASON - STONE (PORTAGE & SUMMIT)....$	33.39	20.06

BROH0008-001 06/01/2024

	Rates	Fringes
BRICKLAYER (COLUMBIANA (SALEM, PERRY, FAIRFIELD, CENTER, ELK RUN, MIDDLETON, & UNITY TOWNSHIPS AND THE CITY OF NEW WATERFORD), MAHONING & TRUMBULL)....$	33.39	20.06

BROH0009-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (BELMONT & MONROE COUNTIES AND THE TOWNSHIPS OF WARREN & MT. PLEASANT AND THE VILLAGE OF DILLONVALE IN JEFFERSON COUNTY)	$ 33.39	20.06
REFRACTORY (BELMONT & MONROE COUNTIES AND THE TOWNSHIPS OF WARREN & MT. PLEASANT AND THE VILLAGE OF DILLONVALE IN JEFFERSON COUNTY)	$ 31.45	19.01

BROH0010-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (COLUMBIANA (ST. CLAIR, MADISON, WAYNE, FRANKLIN, WASHINGTON, YELLOW CREEK & LIVERPOOL TOWNSHIPS) & JEFFERSON (BRUSH CREEK & SALINE TOWNSHIPS))	$ 33.39	20.06

BROH0014-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (HARRISON & JEFFERSON (EXCEPT MT. PLEASANT, WARREN, BRUSH CREEK, SALINE & SALINEVILLE TOWNSHIPS & THE VILLAGE OF DILLONVALE))	$ 33.39	20.06

BROH0016-002 06/01/2023

	Rates	Fringes
BRICKLAYER, STONEMASON (ASHTABULA, GEAUGA, AND LAKE COUNTIES)	$ 32.40	19.30

BROH0018-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (BROWN, BUTLER, CLERMONT, HAMILTON, PREBLE (GASPER, DIXON, ISRAEL, LANIER, SOMERS & GRATIS TOWNSHIPS) & WARREN COUNTIES:)	$ 33.39	20.06

BROH0022-004 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (CHAMPAIGN, CLARK, CLINTON, DARKE, GREENE, HIGHLAND, LOGAN, MIAMI, MONTGOMERY, PREBLE (JACKSON, MONROE, HARRISON, TWIN, JEFFERSON & WASHINGTON TOWNSHIPS) AND SHELBY COUNTIES)	$ 33.39	20.06

BROH0032-001 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (GALLIA & MEIGS).....	$ 33.39	20.06

BROH0035-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (ALLEN, AUGLAIZE, MERCER AND VAN WERT COUNTIES).....	$ 33.39	20.06

BROH0039-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (ADAMS & SCIOTO).....	$ 33.39	20.06

BROH0040-003 06/01/2024

Rates Fringes

BRICKLAYER, STONEMASON (ASHLAND, CRAWFORD, HARDIN, HOLMES, MARION, MORROW, RICHLAND, WAYNE AND WYANDOT (EXCEPT CRAWFORD, RIDGE, RICHLAND & TYMOCHTEE TOWNSHIPS) COUNTIES) FOOTNOTE: LAYOUT MAN AND SAWMAN RATE: $1.00 PER HOUR ABOVE JOURNEYMAN RATE. FREE STANDING STACK WORK GROUND LEVEL TO TOP OF STACK; SANDBLASTING AND LAYING OF CARBON MASONRY MATERIAL IN SWING STAGE AND/OR SCAFFOLD; RAMMING AND SPADING OF PLASTICS AND GUNNITING: $1.50 PER HOUR ABOVE JOURNEYMAN RATE. ""HOT"" WORK: $2.50 ABOVE JOURNEYMAN RATE.....$ 33.39 20.06

BROH0044-002 06/01/2024

Rates Fringes

BRICKLAYER, STONEMASON (COSHOCTON, FAIRFIELD, GUERNSEY, HOCKING, KNOX, KICKING, MORGAN, MUSKINGUM, NOBLE (BEAVER, BUFFALO, SENECA & WAYNE TOWNSHIPS) & PERRY COUNTIES:).....$ 33.39 20.06

BROH0045-002 06/01/2023

	Rates	Fringes
BRICKLAYER, STONEMASON (FAYETTE, JACKSON, PIKE, ROSS AND VINTON COUNTIES).....	$ 35.39	17.47

BROH0046-002 06/01/2024

Rates Fringes

BRICKLAYER, STONEMASON (ERIE, HANCOCK, HURON, OTTAWA, SANDUSKY, SENECA, WOOD (PERRY & BLOOM TOWNSHIPS) AND WYANDOT (TYMOCHTEE, CRAWFORD, RIDGE & RICHLAND TOWNSHIPS) COUNTIES & THE ISLANDS OF LAKE ERIE NORTH OF SANDUSKY) FOOTNOTE: LAYOUT MAN AND SAWMAN RATE: $1.00 PER HOUR ABOVE JOURNEYMAN RATE. FREE STANDING STACK WORK GROUND LEVEL TO TOP OF STACK; SANDBLASTING AND LAYING OF CARBON MASONRY MATERIAL IN SWING STAGE AND/OR SCAFFOLD; RAMMING AND SPADING OF PLASTICS AND GUNNITING: $1.50 PER HOUR ABOVE JOURNEYMAN RATE. ""HOT"" WORK: $2.50 ABOVE JOURNEYMAN RATE.....$ 33.39 20.06

BROH0052-001 06/01/2024

Rates Fringes
BRICKLAYER, STONEMASON (ATHENS COUNTY).....$ 33.39 20.06

BROH0052-003 06/01/2024
Rates Fringes
BRICKLAYER, STONEMASON (NOBLE (BROOKFIELD, NOBLE, CENTER, SHARON, OLIVE, ENOCH, STOCK, JACKSON, JEFFERSON & ELK TOWNSHIPS) AND WASHINGTON COUNTIES).....$ 33.39 20.06

BROH0055-003 06/01/2024
Rates Fringes
BRICKLAYER, STONEMASON (DELAWARE, FRANKLIN, MADISON, PICKAWAY AND UNION COUNTIES)
.....$ 33.39 20.06

CARP0002-024 05/01/2025
Rates Fringes
CARPENTER & PILEDRIVERMEN (BROWN, BUTLER, CHAMPAIGN, CLARK, CLERMONT, CLINTON, DARKE, GREENE, HAMILTON, LOGAN, MIAMI, MONTGOMERY, PREBLE, SHELBY & WARREN)
.....$ 35.94 23.59
DIVER (BROWN, BUTLER, CHAMPAIGN, CLARK, CLERMONT, CLINTON, DARKE, GREENE, HAMILTON, LOGAN, MIAMI, MONTGOMERY, PREBLE, SHELBY & WARREN).....$ 40.58 9.69

CARP0171-001 05/01/2025
Rates Fringes
CARPENTER (MAHONING & TRUMBULL).....$ 33.19 25.02

CARP0171-002 05/01/2025
Rates Fringes
CARPENTER (BELMONT, COLUMBIANA, HARRISON, JEFFERSON
& MONROE).....$ 32.50 26.19

CARP0200-002 05/01/2025
Rates Fringes

CARPENTER (ADAMS, ATHENS, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GUERNSEY, HIGHLAND, HOCKING, JACKSON, LAWRENCE, LICKING, MADISON, MARION, MEIGS, MORGAN, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, ROSS, SCIOTO, UNION, VINTON AND WASHINGTON COUNTIES)
.....$ 35.94 23.59
DIVER (ADAMS, ATHENS, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GUERNSEY, HIGHLAND, HOCKING, JACKSON, LAWRENCE, LICKING, MADISON, MARION, MEIGS, MORGAN, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, ROSS, SCIOTO, UNION, VINTON AND WASHINGTON COUNTIES)
.....$ 39.41 10.40
PILEDRIVERMAN (ADAMS, ATHENS, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GUERNSEY, HIGHLAND, HOCKING, JACKSON, LAWRENCE, LICKING, MADISON, MARION, MEIGS, MORGAN, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, ROSS, SCIOTO, UNION, VINTON AND
WASHINGTON COUNTIES).....$ 35.94 23.59

CARP0285-001 05/01/2025

	Rates	Fringes
CARPENTER (CARROLL, STARK, TUSCARAWAS AND WAYNE)	$ 34.07	24.28

CARP0285-002 05/01/2025

	Rates	Fringes
CARPENTER (COSHOCTON, HOLMES, KNOX & MORROW)	$ 33.38	24.69

CARP0285-008 05/01/2025

	Rates	Fringes
CARPENTER (MEDINA, PORTAGE & SUMMIT)	$ 37.18	25.07

CARP0351-005 05/01/2025

	Rates	Fringes
CARPENTER (LUCAS & WOOD)	$ 35.44	27.56

CARP0351-006 05/01/2025

	Rates	Fringes
CARPENTER (DEFIANCE, FULTON, HANCOCK, HENRY, PAULDING & WILLIAMS COUNTIES)	$ 32.05	26.13

CARP0372-002 05/01/2025

	Rates	Fringes
CARPENTER (ALLEN, AUGLAIZE, HARDIN, MERCER, PUTNAM & VAN WERT)	$ 31.80	26.33

CARP0435-005 05/01/2025

	Rates	Fringes
CARPENTER (ASHTABULA, CUYAHOGA, GEAUGA & LAKE)	$ 38.57	24.64

CARP0735-001 05/01/2025

	Rates	Fringes
CARPENTER (ASHLAND, HURON & RICHLAND)	$ 34.67	23.57

CARP0735-002 05/01/2025

	Rates	Fringes
CARPENTER (LORAIN)	$ 38.42	24.01

CARP0735-004 05/01/2025

	Rates	Fringes
CARPENTER (ERIE)	$ 36.71	24.14

CARP0744-001 05/01/2025

	Rates	Fringes
CARPENTER (CRAWFORD, OTTAWA, SANDUSKY, SENECA & WYANDOT)	$ 33.74	27.05

CARP1090-002 05/01/2025

	Rates	Fringes
PILEDRIVERMEN & DIVER'S TENDER (ALLEN, AUGLAIZE, HARDIN, MERCER, PUTNAM, VAN WERT & WYANDOT) DIVERS - $250.00 PER DAY	$ 35.94	28.39

CARP1090-003 05/01/2025

	Rates	Fringes
DIVER, WET (BELMONT, HARRISON, & MONROE)	$ 58.52	24.91
PILEDRIVERMEN; DIVER, DRY (BELMONT, HARRISON, & MONROE)	$ 39.01	24.91

CARP1090-004 05/01/2025

	Rates	Fringes
DIVER, WET (CARROLL, STARK, TUSCARAWAS & WAYNE)	$ 49.82	25.40
PILEDRIVERMEN; DIVER, DRY (CARROLL, STARK, TUSCARAWAS & WAYNE)	$ 33.21	25.40

CARP1090-005 05/01/2025

	Rates	Fringes
DIVER, WET (ASHLAND, ASHTABULA, CUYAHOGA, ERIE, GEAUGA, HURON, LAKE, LORAIN, MEDINA, PORTAGE, RICHLAND & SUMMIT)	$ 54.51	27.50
PILEDRIVERMEN; DIVER, DRY (ASHLAND, ASHTABULA, CUYAHOGA, ERIE, GEAUGA, HURON, LAKE, LORAIN, MEDINA, PORTAGE, RICHLAND & SUMMIT)	$ 36.34	27.50

CARP1090-006 05/01/2025

	Rates	Fringes
DIVER, WET (COSHOCTON, HOLMES, KNOX & MORROW)	$ 54.36	22.54
PILEDRIVERMEN; DIVER, DRY (COSHOCTON, HOLMES, KNOX & MORROW)	$ 36.24	22.54

CARP1090-007 05/01/2025

	Rates	Fringes
DIVER, WET (MAHONING & TRUMBULL)	$ 50.85	24.82
PILEDRIVERMEN; DIVER, DRY (MAHONING & TRUMBULL)	$ 33.90	24.82

CARP1090-008 05/01/2025

	Rates	Fringes
PILEDRIVERMAN (COLUMBIANA & JEFFERSON)	$ 39.01	24.91

CARP1090-009 05/01/2025

	Rates	Fringes

PILEDRIVERMEN & DIVER'S TENDER (CRAWFORD, DEFIANCE, FULTON, HANCOCK, HENRY, LUCAS, OTTAWA, PAULDING, SANDUSKY, SENECA, WILLIAMS & WOOD) DIVERS -
$250.00 PER DAY.....$ 37.98 28.63

ELEC0008-002 05/27/2024

Rates Fringes
CABLE SPLICER (DEFIANCE, FULTON, HANCOCK, HENRY, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS & WOOD).....$ 38.98 18.96
ELECTRICIAN (DEFIANCE, FULTON, HANCOCK, HENRY, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS & WOOD).....$ 48.40 25.24

ELEC0032-003 06/01/2025

Rates Fringes
ELECTRICIAN (ALLEN, AUGLAIZE, HARDIN, LOGAN, MERCER, SHELBY, VAN WERT & WYANDOT (CRAWFORD, JACKSON, MARSEILLES, MIFFLIN, RIDGELAND, RIDGE &
SALEM TOWNSHIPS)).....$ 39.17 23.60

ELEC0038-002 04/28/2025

Rates Fringes
ELECTRICIAN, EXCLUDING SOUND & COMMUNICATIONS WORK. FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....$ 46.63 24.92

ELEC0038-008 04/28/2025

Rates Fringes

SOUND & COMMUNICATION TECHNICIAN: COMMUNICATIONS TECHNICIAN (CUYAHOGA, GEAUGA (BAINBRIDGE, CHESTER & RUSSELL TOWNSHIPS) & LORAIN (COLUMBIA TOWNSHIP)) FOOTNOTES; A. 6 PAID HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; JULY 4TH; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY B. 1 WEEK'S PAID VACATION FOR 1 YEAR'S SERVICE; 2 WEEKS' PAID VACATION FOR 2
OR MORE YEARS' SERVICE.....$ 34.30 14.95
SOUND & COMMUNICATION TECHNICIAN: INSTALLER TECHNICIAN (CUYAHOGA, GEAUGA (BAINBRIDGE, CHESTER & RUSSELL TOWNSHIPS) & LORAIN (COLUMBIA TOWNSHIP)) FOOTNOTES; A. 6 PAID HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; JULY 4TH; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY B. 1 WEEK'S PAID VACATION FOR 1 YEAR'S SERVICE; 2 WEEKS' PAID VACATION FOR 2
OR MORE YEARS' SERVICE.....$ 33.05 14.91

ELEC0064-003 11/30/2025

Rates Fringes
ELECTRICIAN (COLUMBIANA (BUTLER, FAIRFIELD, PERRY, SALEM & UNITY TOWNSHIPS) MAHONING (AUSTINTOWN, BEAVER, BERLIN, BOARDMAN, CANFIELD, ELLSWORTH, COITSVILLE, GOSHEN, GREEN, JACKSON, POLAND, SPRINGFIELD & YOUNGSTOWN TOWNSHIPS), & TRUMBULL (HUBBARD & LIBERTY TOWNSHIPS))
.....$ 41.49 21.81

ELEC0071-005 01/06/2025

Rates Fringes

LINE CONSTRUCTION: EQUIPMENT OPERATOR: DOT/TRAFFIC SIGNAL & HIGHWAY LIGHTING PROJECTS (ASHTABULA, CUYAHOGA, GEAUGA, LAKE & LORAIN).....$ 39.97 18.79
LINE CONSTRUCTION: EQUIPMENT OPERATOR: MUNICIPAL POWER/TRANSIT PROJECTS (ASHTABULA, CUYAHOGA, GEAUGA, LAKE & LORAIN).....$ 49.46 21.60
LINE CONSTRUCTION: GROUNDMAN: DOT/TRAFFIC SIGNAL & HIGHWAY LIGHTING PROJECTS (ASHTABULA, CUYAHOGA, GEAUGA, LAKE & LORAIN).....$ 31.10 16.40
LINE CONSTRUCTION: GROUNDMAN: MUNICIPAL POWER/TRANSIT PROJECTS (ASHTABULA, CUYAHOGA, GEAUGA, LAKE & LORAIN).....$ 38.47 18.64
LINE CONSTRUCTION: LINEMEN/CABLE SPLICER: DOT/TRAFFIC SIGNAL & HIGHWAY LIGHTING PROJECTS (ASHTABULA, CUYAHOGA, GEAUGA, LAKE & LORAIN).....$ 43.89 19.85
LINE CONSTRUCTION: LINEMEN/CABLE SPLICER: MUNICIPAL POWER/TRANSIT PROJECTS (ASHTABULA, CUYAHOGA, GEAUGA, LAKE & LORAIN).....$ 54.96 23.09

ELEC0071-010 01/06/2025

	Rates	Fringes
LINE CONSTRUCTION: EQUIPMENT OPERATOR (STATEWIDE)	$ 40.44	17.71
LINE CONSTRUCTION: GROUNDMAN (STATEWIDE)	$ 29.07	14.97
LINE CONSTRUCTION: LINEMAN & CABLE SPLICERS (STATEWIDE)	$ 46.02	19.04

ELEC0082-002 12/02/2024

	Rates	Fringes
ELECTRICIAN (CLINTON, DARKE, GREENE, MIAMI, MONTGOMERY, PREBLE & WARREN (WAYNE, CLEAR CREEK & FRANKLIN TOWNSHIPS))	$ 38.00	22.49

ELEC0082-006 11/25/2024

	Rates	Fringes
SOUND & COMMUNICATION TECHNICIAN: CABLE PULLER (CLINTON, DARKE, GREENE, MIAMI, MONTGOMERY, PREBLE & WARREN (WAYNE, CLEAR CREEK & FRANKLIN TOWNSHIPS))	$ 13.85	5.30
SOUND & COMMUNICATION TECHNICIAN: INSTALLER/TECHNICIAN (CLINTON, DARKE, GREENE, MIAMI, MONTGOMERY, PREBLE & WARREN (WAYNE, CLEAR CREEK & FRANKLIN TOWNSHIPS))	$ 27.70	15.71

ELEC0129-003 02/24/2025

	Rates	Fringes
ELECTRICIAN (LORAIN (EXCEPT COLUMBIA TOWNSHIP) & MEDINA (LITCHFIELD & LIVERPOOL TOWNSHIPS))	$ 42.95	18.81

ELEC0129-004 02/24/2025

Rates Fringes
ELECTRICIAN (ERIE & HURON (LYME, RIDGEFIELD,
NORWALK, TOWNSEND, WAKEMAN, SHERMAN, PERU, BRONSON,
HARTLAND, CLARKSFIELD, NORWICH, GREENFIELD,
FAIRFIELD, FITCHVILLE & NEW LONDON TOWNSHIPS))......$ 42.95 18.81

ELEC0141-003 06/02/2025

Rates Fringes
CABLE SPLICER (BELMONT COUNTY).....$ 42.94 27.74
ELECTRICIAN (BELMONT COUNTY).....$ 39.25 31.23

ELEC0212-003 11/26/2018

Rates Fringes
SOUND & COMMUNICATION TECHNICIAN (BROWN, CLERMONT &
HAMILTON).....$ 24.35 10.99

ELEC0212-005 06/02/2025

Rates Fringes
ELECTRICIAN (BROWN, CLERMONT, AND HAMILTON
COUNTIES).....$ 38.05 22.97

ELEC0245-001 08/26/2024

Rates Fringes
LINE CONSTRUCTION: EQUIPMENT OPERATOR (ALLEN, HARDIN, VAN WERT & WYANDOT (CRAWFORD, JACKSON, MARSEILLES, MIFFLIN, RICHLAND, RIDGE & SALEM TOWNSHIPS)) FOOTNOTE: A. HALF DAY'S PAID HOLIDAY: THE LAST 4 HOURS OF THE WORKDAY PRIOR TO
CHRISTMAS OR NEW YEAR'S DAY.....$ 32.95 17.08
LINE CONSTRUCTION: GROUNDMAN TRUCK DRIVER (ALLEN, HARDIN, VAN WERT & WYANDOT (CRAWFORD, JACKSON, MARSEILLES, MIFFLIN, RICHLAND, RIDGE & SALEM TOWNSHIPS)): FOOTNOTE: A. HALF DAY'S PAID HOLIDAY: THE LAST 4 HOURS OF THE WORKDAY PRIOR TO
CHRISTMAS OR NEW YEAR'S DAY.....$ 20.59 13.62
LINE CONSTRUCTION: LINEMAN (ALLEN, HARDIN, VAN WERT & WYANDOT (CRAWFORD, JACKSON, MARSEILLES, MIFFLIN, RICHLAND, RIDGE & SALEM TOWNSHIPS)) FOOTNOTE: A. HALF DAY'S PAID HOLIDAY: THE LAST 4 HOURS OF THE WORKDAY PRIOR TO CHRISTMAS OR NEW YEAR'S DAY.....$ 47.07 21.03

ELEC0245-003 01/01/2025

Rates Fringes
LINE CONSTRUCTION: CABLE SPLICER (DEFIANCE, FULTON, HANCOCK, HENRY, HURON, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS, AND WOOD COUNTIES) : FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY
.....$ 53.90 23.19
LINE CONSTRUCTION: GROUNDMAN/TRUCK DRIVER (DEFIANCE, FULTON, HANCOCK, HENRY, HURON, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS, AND WOOD COUNTIES) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY

.....$ 20.51 13.84
LINE CONSTRUCTION: HELI-ARC WELDING (DEFIANCE, FULTON, HANCOCK, HENRY, HURON, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS, AND WOOD COUNTIES) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY
.....$ 47.17 21.31
LINE CONSTRUCTION: LINEMAN (DEFIANCE, FULTON, HANCOCK, HENRY, HURON, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS, AND WOOD COUNTIES) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....$ 46.87 21.22
LINE CONSTRUCTION: OPERATOR - CLASS 1 (DEFIANCE, FULTON, HANCOCK, HENRY, HURON, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS, AND WOOD COUNTIES) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY
.....$ 37.50 18.60
LINE CONSTRUCTION: OPERATOR - CLASS 2 (DEFIANCE, FULTON, HANCOCK, HENRY, HURON, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS, AND WOOD COUNTIES) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.
.....$ 32.81 17.29
LINE CONSTRUCTION: TRAFFIC SIGNAL & LIGHTING TECHNICIAN (DEFIANCE, FULTON, HANCOCK, HENRY, HURON, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS, AND WOOD COUNTIES) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY
.....$ 42.18 19.91

ELEC0245-004 01/01/2025

Rates Fringes

LINE CONSTRUCTION: CABLE SPLICER (ERIE COUNTY) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....$ 53.90 23.19

LINE CONSTRUCTION: GROUNDMAN/TRUCK DRIVER (ERIE COUNTY) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....$ 20.51 13.84

LINE CONSTRUCTION: LINEMAN (ERIE COUNTY) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....$ 46.87 21.22

LINE CONSTRUCTION: OPERATOR - CLASS 1 (ERIE COUNTY) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....$ 37.50 18.60

LINE CONSTRUCTION: OPERATOR - CLASS 2 (ERIE COUNTY) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....$ 32.81 17.29

ELEC0246-001 10/28/2024

Rates Fringes

ELECTRICIAN (CARROLL, COLUMBIANA, HARRISON AND JEFFERSON COUNTIES IN OHIO; BROOKE AND HANCOCK COUNTIES IN WEST VIRGINIA.) FOOTNOTE: A. 1 1/2 PAID HOLIDAYS: THE LAST SCHEDULED WORKDAY PRIOR TO CHRISTMAS & 4 HOURS ON GOOD FRIDAY.....$ 44.00 37.68

ELEC0306-005 05/27/2024

Rates Fringes

CABLE SPLICER (MEDINA (BRUNSWICK, CHATHAM, GRANGER, GUILFORD, HARRISVILLE, HINCKLEY, HOMER, LAFAYETTE, MEDINA, MONTVILLE, SHARON, SPENCER, WADSWORTH, WESTFIELD & YORK TOWNSHIPS), PORTAGE (ATWATER, AURORA, BRIMFIELD, DEERFIELD, FRANKLIN, MANTUA, RANDOLPH, RAVENNA, ROOTSTOWN, SHALERSVILLE, STREETSBORO & SUFFIELD TOWNSHIPS), SUMMIT & WAYNE (BAUGHMAN, CANAAN, CHESTER, CHIPPEWA, CONGRESS, GREEN, MILTON, & WAYNE TOWNSHIPS)).....$ 46.81 20.95

ELECTRICIAN (MEDINA (BRUNSWICK, CHATHAM, GRANGER, GUILFORD, HARRISVILLE, HINCKLEY, HOMER, LAFAYETTE, MEDINA, MONTVILLE, SHARON, SPENCER, WADSWORTH, WESTFIELD & YORK TOWNSHIPS), PORTAGE (ATWATER, AURORA, BRIMFIELD, DEERFIELD, FRANKLIN, MANTUA, RANDOLPH, RAVENNA, ROOTSTOWN, SHALERSVILLE, STREETSBORO & SUFFIELD TOWNSHIPS), SUMMIT & WAYNE (BAUGHMAN, CANAAN, CHESTER, CHIPPEWA, CONGRESS, GREEN, MILTON, & WAYNE TOWNSHIPS)).....$ 42.55 20.95

ELEC0317-002 06/02/2025

Rates Fringes

CABLE SPLICER (GALLIA & LAWRENCE).....$ 32.68 18.13
ELECTRICIAN (GALLIA & LAWRENCE).....$ 41.15 29.35

ELEC0540-005 06/30/2025

Rates Fringes

ELECTRICIAN (CARROLL (NORTHERN HALF, INCLUDING FOX, HARRISON, ROSE & WASHINGTON TOWNHSHIPS), COLUMBIANA (KNOX TOWNSHIP), HOLMES, MAHONING (SMITH TOWNSHIP), STARK, TUSCARAWAS (NORTH OF AUBURN, CLAY, RUSH & YORK TOWNSHIPS), AND WAYNE (SOUTH OF BAUGHMAN, CHESTER, GREEN & WAYNE TOWNSHIPS) COUNTIES).....$ 39.86 29.19

ELEC0573-003 06/01/2025

Rates Fringes

ELECTRICIAN (ASHTABULA (COLEBROOK, WAYNE, WILLIAMSFIELD, ORWELL & WINDSOR TOWNSHIPS), GEAUGA (AUBURN, MIDDLEFIELD, PARKMAN & TROY TOWNSHIPS), MAHONING (MILTON TOWNSHIP), PORTAGE (CHARLESTOWN, EDINBURG, FREEDOM, HIRAM, NELSON, PALMYRA, PARIS & WINDHAM TOWNSHIPS), AND TRUMBULL (EXCEPT LIBERTY & HUBBARD TOWNSHIPS)).....$ 42.20 23.37

ELEC0575-001 05/29/2023

Rates Fringes

ELECTRICIAN (ADAMS, FAYETTE, HIGHLAND, HOCKING,

JACKSON (BLOOMFIELD, FRANKLIN, HAMILTON, JEFFERSON, LICK, MADISON, SCIOTO, COAL, JACKSON, LIBERTY, MILTON & WASHINGTON TOWNSHIPS), PICKAWAY (DEER CREEK, PERRY, PICKAWAY, SALT CREEK & WAYNE TOWNSHIPS), PIKE (BEAVER, BENTON, JACKSON, MIFFLIN, PEBBLE, PEEPEE, PERRY, SEAL, CAMP CREEK, NEWTON, SCIOTO, SUNFISH, UNION & MARION TOWNSHIPS), ROSS, SCIOTO & VINTON (CLINTON, EAGLE, ELK, HARRISON, JACKSON, RICHLAND & SWAN TOWNSHIPS))..... $ 37.00 22.26

ELEC0648-001 09/01/2025

Rates Fringes

CABLE SPLICER (BUTLER AND WARREN COUNTIES (DEERFIELD, HAMILTON, HARLAN, MASSIE, SALEM, TURTLE CREEK, UNION & WASHINGTON TOWNSHIPS))..... $ 30.50 18.23

ELECTRICIAN (BUTLER AND WARREN COUNTIES (DEERFIELD, HAMILTON, HARLAN, MASSIE, SALEM, TURTLE CREEK, UNION & WASHINGTON TOWNSHIPS))..... $ 38.00 24.16

ELEC0673-004 05/26/2025

Rates Fringes

CABLE SPLICER (ASHTABULA (EXCLUDING ORWELL, COLEBROOK, WILLIAMSFIELD, WAYNE & WINDSOR TOWNSHIPS), GEAUGA (BURTON, CHARDON, CLARIDON, HAMBDEN, HUNTSBURG, MONTVILLE, MUNSON, NEWBURY & THOMPSON TOWNSHIPS) AND LAKE COUNTIES)..... $ 33.81 21.47

ELECTRICIAN (ASHTABULA (EXCLUDING ORWELL, COLEBROOK, WILLIAMSFIELD, WAYNE & WINDSOR TOWNSHIPS), GEAUGA (BURTON, CHARDON, CLARIDON, HAMBDEN, HUNTSBURG, MONTVILLE, MUNSON, NEWBURY & THOMPSON TOWNSHIPS) AND LAKE COUNTIES)..... $ 41.17 24.58

ELEC0683-002 06/02/2025

Rates Fringes

CABLE SPLICER (CHAMPAIGN, CLARK, DELAWARE, FAIRFIELD, FRANKLIN, MADISON, PICKAWAY (CIRCLEVILLE, DARBY, HARRISON, JACKSON, MADISON, MONROE, MUHLENBERG, SCIOTO, WALNUT & WASHINGTON TOWNSHIPS), AND UNION COUNTIES)..... $ 44.00 26.40

ELECTRICIAN (CHAMPAIGN, CLARK, DELAWARE, FAIRFIELD, FRANKLIN, MADISON, PICKAWAY (CIRCLEVILLE, DARBY, HARRISON, JACKSON, MADISON, MONROE, MUHLENBERG, SCIOTO, WALNUT & WASHINGTON TOWNSHIPS), AND UNION COUNTIES)..... $ 43.00 26.37

ELEC0688-003 05/30/2022

Rates Fringes

ELECTRICIAN (ASHLAND, CRAWFORD, HURON (RICHMOND, NEW HAVEN, RIPLEY & GREENWICH TOWNSHIPS), KNOX (LIBERTY, CLINTON, UNION, HOWARD, MONROE, MIDDLEBERRY, MORRIS, WAYNE, BERLIN, PIKE, BROWN & JEFFERSON TOWNSHIPS), MARION, MORROW, RICHLAND AND WYANDOT (SYCAMORE, CRANE, EDEN, PITT, ANTRIM & TYMOCHTEE TOWNSHIPS) COUNTIES)..... $ 32.30 21.83

ELEC0972-002 06/01/2024

Rates Fringes

CABLE SPLICER (ATHENS, MEIGS, MONROE, MORGAN, NOBLE, VINTON (BROWN, KNOX, MADISON, VINTON & WILKESVILLE TOWNSHIPS), AND WASHINGTON COUNITES)... $ 40.25 33.33

ELECTRICIAN (ATHENS, MEIGS, MONROE, MORGAN, NOBLE, VINTON (BROWN, KNOX, MADISON, VINTON & WILKESVILLE TOWNSHIPS), AND WASHINGTON COUNITES)..... $ 40.00 33.32

ELEC1105-001 05/27/2024

Rates Fringes

ELECTRICIAN (COSHOCTON, GUERNSEY, KNOX (JACKSON, CLAY, MORGAN, MILLER, MILFORD, HILLIAR, BUTLER, HARRISON, PLEASANT & COLLEGE TOWNSHIPS), LICKING, MUSKINGUM, PERRY, AND TUSCARAWAS (AUBURN, YORK, CLAY, JEFFERSON, RUSH, OXFORD, WASHINGTON, SALEM, PERRY & BUCKS TOWNSHIPS) COUNTIES)
.....$ 39.60 24.41

ENGI0018-003 05/01/2024

Rates Fringes

POWER EQUIPMENT OPERATOR: GROUP 1- AIR COMPRESSOR ON STEEL ERECTION; BARRIER MOVING MACHINE; BOILER OPERATOR ON COMPRESSOR OR GENERATOR WHEN MOUNTED ON A RIG; CABLEWAY; COMBINATION CONCRETE MIXER & TOWER; CONCRETE PLANT (OVER 4 YD. CAPACITY); CONCRETE PUMP; CRANE (ALL TYPES, INCLUDING BOOM TRUCK, CHERRY PICKER); CRANE-COMPACT, TRACK OR RUBBER OVER 4,000 LBS. CAPACITY; CRANES-SELF ERECTING, STATIONARY, TRACK OR TRUCK (ALL CONFIGURATIONS); DERRICK; DRAGLINE; DREDGE (DIPPER, CLAM OR SUCTION); ELEVATING GRADER OR EUCLID LOADER; FLOATING EQUIPMENT (ALL TYPES); GRADALL; HELICOPTER CREW (OPERATOR-HOIST OR WINCH); HOE (ALL TYPES); HOISTING ENGINE ON SHAFT OR TUNNEL WORK; HYDRAULIC GANTRY (LIFTING SYSTEM); INDUSTRIAL-TYPE TRACTOR; JET ENGINE DRYER (D8 OR D9) DIESEL TRACTOR; LOCOMOTIVE (STANDARD GAUGE); MAINTENANCE OPERATOR CLASS A; MIXER, PAVING (SINGLE OR DOUBLE DRUM); MUCKING MACHINE; MULTIPLE SCRAPER; PILEDRIVING MACHINE (ALL TYPES); POWER SHOVEL; PRENTICE LOADER; QUAD 9 (DOUBLE PUSHER); RAIL TAMPER (WITH AUTO LIFTING & ALIGNING DEVICE); REFRIGERATING MACHINE (FREEZER OPERATION); ROTARY DRILL, ON CAISSON WORK; ROUGH TERRAIN FORK LIFT WITH WINCH/HOIST; SIDE-BOOM; SLIP-FORM PAVER; TOWER DERRICK; TREE SHREDDER; TRENCH MACHINE (OVER 24"" WIDE); TRUCK MOUNTED CONCRETE PUMP; TUG BOAT; TUNNEL MACHINE AND/OR MINING MACHINE; WHEEL EXCAVATOR; AND ASPHALT PLANT ENGINEER (CLEVELAND DISTRICT ONLY). (ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, AND SUMMIT COUNTIES).....$ 45.63 16.41

POWER EQUIPMENT OPERATOR: GROUP 2- ASPHALT PAVER; AUTOMATIC SUBGRADER MACHINE, SELF-PROPELLED (CMI TYPE); BOBCAT TYPE AND/OR SKID STEER LOADER WITH HOE ATTACHMENT GREATER THAN 7,000 LBS.; BORING MACHINE MORE THAN 48""; BULLDOZER; ENDLOADER; HORIZONTAL DIRECTIONAL DRILL (OVER 50,000 FT LBS THRUST); HYDRO MILLING MACHINE; KOLMAN-TYPE LOADER (PRODUCTION TYPE-DIRT); LEAD GREASEMAN; LIGHTING & TRAFFIC SIGNAL INSTALLATION EQUIPMENT (INCLUDES ALL GROUPS OR CLASSIFICATIONS); MATERIAL TRANSFER EQUIPMENT (SHUTTLE BUGGY) ASPHALT; PETTIBONE-RAIL EQUIPMENT; POWER GRADER; POWER SCRAPER; PUSH CAT; ROTOMILL (ALL), GRINDERS & PLANERS OF ALL TYPES; TRENCH MACHINE (24"" WIDE & UNDER); VERMEER TYPE CONCRETE SAW; AND MAINTENANCE OPERATORS (PORTAGE AND SUMMIT COUNTIES ONLY). (ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, AND SUMMIT COUNTIES)
.....$ 45.53 16.41

POWER EQUIPMENT OPERATOR: GROUP 3- A-FRAME; AIR COMPRESSOR ON TUNNEL WORK (LOW PRESSURE); ASPHALT PLANT ENGINEER (PORTAGE AND SUMMIT COUNTIES ONLY); BOBCAT-TYPE AND/OR SKID STEER LOADER WITH OR WITHOUT ATTACHMENTS; HIGHWAY DRILLS (ALL TYPES); LOCOMOTIVE (NARROW GAUGE); MATERIAL HOIST/ELEVATOR; MIXER, CONCRETE (MORE THAN ONE BAG CAPACITY); MIXER, ONE BAG CAPACITY (SIDE LOADER); POWER BOILER (OVER 15 LBS. PRESSURE) PUMP OPERATOR INSTALLING & OPERATING WELL POINTS; PUMP (4"" & OVER DISCHARGE); ROLLER, ASPHALT; ROTOVATOR (LIME SOIL STABILIZER); SWITCH & TIE TAMPERS (WITHOUT LIFTING & ALIGNING DEVICE); UTILITY OPERATOR (SMALL EQUIPMENT); WELDING MACHINES; AND RAILROAD TIE INSERTER/REMOVER; ARTICULATING/STRAIGHT BED END DUMPS IF ASSIGNED (MINUS $4.00 PER HOUR. (ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, AND SUMMIT COUNTIES)
.....$ 44.49 16.41

POWER EQUIPMENT OPERATOR: GROUP 4- BACKFILLER; BALLAST RE-LOCATOR; BARS, JOINT & MESH INSTALLING MACHINE; BATCH PLANT; BORING MACHINE OPERATOR (48"" OR LESS); BULL FLOATS; BURLAP & CURING MACHINE; CONCRETE PLANT (CAPACITY 4 YD. & UNDER); CONCRETE SAW (MULTIPLE); CONVEYOR (HIGHWAY); CRUSHER; DECKHAND; FARM-TYPE TRACTOR WITH ATTACHMENTS (HIGHWAY); FINISHING MACHINE; FIREPERSON, FLOATING EQUIPMENT (ALL TYPES); FORKLIFT; FORM TRENCHER; HYDRO HAMMER EXPECT MASONARY; HYDRO SEEDER; PAVEMENT BREAKER; PLANT MIXER; POST DRIVER; POST HOLE DIGGER (POWER AUGER); POWER BRUSH BURNER;

POWER FORM HANDLING EQUIPMENT; ROAD WIDENING TRENCHER; ROLLER (BRICK, GRADE & MACADAM); SELF-PROPELLED POWER SPREADER; SELF-PROPELLED POWER SUBGRADER; STEAM FIREPERSON; TRACTOR (PULLING SHEEPFOOT, ROLLER OR GRADER); AND VIBRATORY COMPACTOR WITH INTEGRAL POWER. (ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, AND SUMMIT COUNTIES)
.....$ 43.27 16.41

POWER EQUIPMENT OPERATOR: GROUP 5- COMPRESSOR (PORTABLE, SEWER, HEAVY & HIGHWAY); DRUM FIREPERSON (ASPHALT PLANT); GENERATOR; MASONRY FORK LIFT; INBOARD-OUTBOARD MOTOR BOAT LAUNCH; OIL HEATER (ASPHALT PLANT); OILER/HELPER; POWER DRIVEN HEATER; POWER SWEEPER & SCRUBBER; PUMP (UNDER 4"" DISCHARGE); SIGNALPERSON; TIRE REPAIRPERSON; VAC/ALLS; CRANES - COMPACT, TRACK OR RUBBER UNDER 4,000 POUND CAPACITY; FUELING AND GREASING; AND CHAINMEN. (ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, AND SUMMIT COUNTIES).$ 37.98 16.41
POWER EQUIPMENT OPERATOR: GROUP 6- MASTER MECHANIC & BOOM FROM 150 TO 180. (ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, AND SUMMIT COUNTIES).....$ 46.63 16.41
POWER EQUIPMENT OPERATOR: GROUP 7- BOOM FROM 180 AND OVER. (ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, AND SUMMIT COUNTIES).$ 46.63 16.41

ENGI0018-004 05/01/2024

Rates Fringes

POWER EQUIPMENT OPERATOR: GROUP 1- AIR COMPRESSOR ON STEEL ERECTION; BARRIER MOVING MACHINE; BOILER OPERATOR ON COMPRESSOR OR GENERATOR WHEN MOUNTED ON A RIG; CABLEWAY; COMBINATION CONCRETE MIXER & TOWER; CONCRETE PLANT (OVER 4 YD. CAPACITY); CONCRETE PUMP; CRANE (ALL TYPES, INCLUDING BOOM TRUCK, CHERRY PICKER); CRANE-COMPACT, TRACK OR RUBBER OVER 4,000 LBS. CAPACITY; CRANES-SELF-ERECTING, STATIONARY, TRACK OR TRUCK (ALL CONFIGURATIONS); DERRICK; DRAGLINE; DREDGE (DIPPER, CLAM OR SUCTION); ELEVATING GRADER OR EUCLID LOADER; FLOATING EQUIPMENT (ALL TYPES); GRADALL; HELICOPTER CREW (OPERATOR-HOIST OR WINCH); HOE (ALL TYPES); HOISTING ENGINE ON SHAFT OR TUNNEL WORK; HYDRAULIC GANTRY (LIFTING SYSTEM); INDUSTRIAL-TYPE TRACTOR; JET ENGINE DRYER (D8 OR D9) DIESEL TRACTOR; LOCOMOTIVE (STANDARD GAUGE); MAINTENANCE OPERATOR CLASS A; MIXER, PAVING 9SINGLE OR DOUBLE DRUM); MUCKING MACHINE; MULTIPLE SCRAPER; PILEDRIVING MACHINE (ALL TYPES); POWER SHOVEL; PRENTICE LOADER; QUAD 9 (DOUBLE PUSHER); RAIL TAMPER (WITH AUTO LIFTING & ALIGNING DEVICE); REFRIGERATING MACHINE (FREEZER OPERATORON); ROTARY DRILL, ON CAISSON WORK; ROUGH TERRAIN FORK LIFT WITH WINCH/HOIST; SIDE-BOOM; SLIP-FORM PAVER; TOWER DERRICK; TREE SHREDDER; TRENCH MACHINE (OVER 24' WIDE); TRUCK MOUNTED CONCRETE PUMP; TUG BOAT; TUNNEL MACHINE AND/OR MINING MACHINE; AND WHEEL EXCAVATOR. (ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, AND YANDOT COUNTIES).....$ 44.14 16.41

POWER EQUIPMENT OPERATOR: GROUP 2- ASPHALT PAVER; AUTOMATIC SUBGRADER MACHINE, SELF-PROPELLED (CMI TYPE); BOBCAT TYPE AND/OR SKID STEER LOADER WITH HOE ATTACHMENT GREATER THAN 7,000 LBS.; BORING MACHINE MRE THAN 48""; BULLDOZER; ENDLOADER; HYDRO MILLING MACHINE; HORIZONTAL DIRECTIONAL DRILL (OVER 50,000 FT. LBS. THURUST); KOLMAN-TYPE LOADER (PRODUCTION TYPE-DIRT); LEAD GREASEMAN; LIGHTING & TRAFFIC SIGNAL INSTALLATION EQUIPMENT (INCLUDES ALL GROUPS OR CLASSIFICATIONS); MATERIAL TRANSFER EQUIPMENT (SHUTTLE BUGGY); ASHPHALT; PETTIBONE-RAIL EQUIPMENT; POWER GRADER; POWER SCRAPER; PUSH CAT; ROTOMILL (ALL), GRINDERS & PLANERS OF ALL TYPES; TRENCH MACHINE (24' WIDE & UNDER); AND VERMEER TYPE CONCRETE SAW. (ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN,

FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, AND YANDOT COUNTIES).....$ 44.02 16.41

POWER EQUIPMENT OPERATOR: GROUP 3- A-FRAME; AIR COMPRESSOR ON TUNNEL WORK (LOW PRESSURE); ASPHALT PLANT ENGINEER; BOBCAT-TYPE AND/OR SKID STEER LOADER WITH OR WITHOUT ATTACHMENTS; HIGHWAY DRILLS (ALL TYPES); LOCOMOTIVE (NARROW GAUGE); MATERIAL HOIST/ELEVATOR; MIXER, CONCRETE (MORE THAN ONE BAG CAPACITY); MIXER, ONE BAG CAPACITY (SIDE LOADER); POWER BOILER (OVER 15 LBS. PRESSURE) PUMP OPERATOR INSTALLING & OPERATING WELL POINTS; PUMP (4' & OVER DISCHARGE); RAILROAD TIE INSERTER/REMOVER; ROLLER, ASPHALT; ROTOVATOR (LIME SOIL STABILIZER); SWITCH & TIE TAMPERS (WITHOUT LIFTING & ALIGNING DEVICE); UTILITY OPERATOR (SMALL EQUIPMENT); AND WELDING MACHINES: ARTICULATING/STRAIGHT BED END DUMPS IF ASSIGNED (MINUS $4.00 PER HOUR). (ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, AND YANDOT COUNTIES).....$ 42.98 16.41

POWER EQUIPMENT OPERATOR: GROUP 4- BACKFILLER; BALLAST RE-LOCATOR; BARS, JOINT & MESH INSTALLING MACHINE; BATCH PLANT; BORING MACHINE OPERATOR (48' OR LESS); BULL FLOATS; BURLAP & CURING MACHINE; CONCRETE PLANT (CAPACITY 4 YD. & UNDER); CONCRETE SAW (MULTIPLE); CONVEYOR (HIGHWAY); CRUSHER; DECKHAND; FARM-TYPE TRACTOR WITH ATTACHMENTS (HIGHWAY); FINISHING MACHINE; FIREPERSON, FLOATING EQUIPMENT (ALL TYPES); FORK LIFT; FORM TRENCHER; HYDRO HAMMER EXCEPT MASONARY; HYDRO SEEDER; PAVEMENT BREAKER; PLANT MIXER; POST DRIVER; POST HOLE DIGGER (POWER AUGER); POWER BRUSH BURNER; POWER FORM HANDLING EQUIPMENT; ROAD WIDENING TRENCHER; ROLLER (BRICK, GRADE, & MACADAM); SELF-PROPELLED POWER SPREADER; SELF-PROPELLED POWER SUBGRADER; STEAM FIREPERSON; TRACTOR (PULLING SHEEPFOOT, ROLLER OR GRADER); AND VIBRATORY COMPACTOR WITH INTEGRAL POWER. (ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, AND YANDOT COUNTIES).....$ 41.80 16.41

POWER EQUIPMENT OPERATOR: GROUP 5- COMPRESSOR (PORTABLE, SEWER, HEAVY & HIGHWAY); DRUM FIREPERSON (ASPHALT PLANT); GENERATOR; MASONARY FORKLIFT; INBOARD-OUTBOARD MOTOR BOAT LAUNCH; OIL HEATER (ASPHALT PLANT); OILER/HELPER; POWER DRIVEN HEATER; POWER SWEEPER & SCRUBBER; PUMP (UNDER 4' DISCHARGE); SIGNALPERSON; TIRE REPAIRPERSON; VAC/ALLS; CRANES-COMPACT, TRACK OR RUBBER UNDER 4,000 POUND CAPACITY; FUELING AND GREASING; AND CHAINMEN. (ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, AND YANDOT COUNTIES).....$ 36.34 16.41

POWER EQUIPMENT OPERATOR: GROUP 6- MASTER MECHANIC & BOOM FROM 150 TO 180. (ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, AND YANDOT COUNTIES).....$ 45.14 16.41

POWER EQUIPMENT OPERATOR: GROUP 7- BOOM FROM 180 AND OVER. (ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, AND YANDOT COUNTIES).....$ 45.14 16.41

ENGI0066-023 06/01/2023

Rates Fringes

POWER EQUIPMENT OPERATOR: ALL OTHER WORK GROUP 1- RIG, PILE DRIVER OR CAISSON TYPE; & RIG, PILE HYDRAULIC UNIT ATTACHED. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).
.....$ 37.19 24.30

POWER EQUIPMENT OPERATOR: ALL OTHER WORK GROUP 2 - ASPHALT HEATER PLANER; BACKFILLER WITH DRAG ATTACHMENT; BACKHOE; BACKHOE WITH SHEAR ATTACHED; BACKHOE-REAR PIVOTAL SWING; BATCH PLANT-CENTRAL MIX CONCRETE; BATCH PLANT, PORTABLE CONCRETE; BERM BUILDER-AUTOMATIC; BOAT DERRICK; BOAT-TUG; BORING MACHINE ATTACHED TO TRACTOR; BULLCLAM; VULLDOZER; C.M.I. ROAD BUILDER & SIMILAR TYPE; CABLE PLACER &LATYER; CARRIER-STRADDLE; CARRYALL-SCRAPER OR SCOPP; CHICAGO BOOM; COMPACTOR WITH BLAD ATTACHED; CONCRETE SAW (VERMEER OR SIMILAR TYPE); CONCRETE SPREADER FINISHER; COMBINATION, BIDWELL MACHINE; CRANE; CRANE-ELECTRIC OVERHEAD; CRANE-ROUGH TERRAIN; CRANE-SIDE BOOM; CRANE-TRUCK; CRANE-TOWER; DERRICK-BOOM; DERRICK-CAR; DIGGER -WHEEL (NOT TRENCHER OR ROAD WIDENER); DOUBLE NINE; DRAG LINE; DREDGE; DRILL-KENNY OR SIMILAR TYPE; EASY POUR MEDIAN BARRIER MACHINE (OR SIMILAR TYPE); ELECTROMATIC; FRANKIE PILE; GRADALL; GRADER; GURRY; SELF-PROPELLED; HEAVY EQUIPMENT ROBOTICS OPERATOR/MECHANIC; HOIST-MONORAIL; HOIST-STATIONARY & MOBILE TRACTOR; HOIST, 2 OR 3 DRUM; HORIZONTAL DIRECTIONAL DRILL OPERATOR; JACKALL; JUMBO MACHINE; KOCAL & KUHLMAN; LAND-SEAGOING VEHICLE; LOADER, ELEVATING; LOADER, FRONT END; LOADER, SKID STEER; LOCOMOTIVE; MECHANIC/WELDER; METRO CHIP HARVESTER WITH BOO; MUCKING MACHINE; PAVER-ASPHALT FINISHING MACHINE; PAVER-ROAD CONCRETE; PAVER-SLIP FORM (C.M.I. OR SIMILAR); PLACE CRETE MACHINE WITH BOOM; POST DRIVER (CARRIER MOUNTED); POWER DRIVEN HYDRAULIC PUMP & JACK (WHEN USED IN SLIP FORM OR LIFT SLAB CONSTRUCTION); PUMP CRETE MACHINE; REGULATOR-BALLAST; HYRAULIC POWER UNIT NOT ATTACHED TO RIG FOR PILE DRILLINGS; RIGS-DRILLING; ROTO MILL OR SIMILAR FULL LANE (8' WIDE & OVER); ROTO MILL OR SIMILAR TYPE (UNDER 8'); SHOVEL; SLIP FORM CURB MACHINE; SPEEDWING; SPIKEMASTER; STONECRUSHER; TIE PULLER & LOADER; TIE TAMPER; TRACTOR-DOUBLE BOOM; TRACTOR WITH ATTACHMENTS; TRUCK-BOOM; TRUCK-TIRE; TRENCH MACHINE; TUNNEL MACHINE (MARK 21 JAVA OR SIMILAR) & WHIRLEY (OR SIMILAR TYPE) (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 36.92 24.30

POWER EQUIPMENT OPERATOR: ALL OTHER WORK GROUP 3 - ASPHALT PLANT; BENDING MACHINE (PIPELINE OR TYPE); BORING MACHINE, MOTOR DRIVEN; CHIP HARVESTER WITHOUT BOOM; CLEANING MACHINE, PIPELINE TYPE; COATING MACHINE, PIPELINE TYPE; COMPACTOR; CONCRETE BELT PLACER; CONCRETE FINISHER; CONCRETE PLANER OR ASPHALT; CONCRETE SPREADER; ELEVATOR; FORK LIFT (HOME BUILDING ONLY); FORK LIFT & LULLS; FORK LIFT WALK BEHIND (HOISTING OVER 1 BUCK HIGH); FORM LINE MACHINE; GREASE TRUCK OPERATOR; GROUT PUMP; GUNNITE MACHINE; HORIZONTAL DIRECTIONAL DRILL LOCATOR; SINGLE DRUM HOIST WITH OR WITHOUT TOWER; HUCK BOLTING MACHINE;

HYDRAULIC SCAFFOLD (HOISTING BUILDING MATERIALS); PAVING BREAKER (SELF=PROPELLED OR RIDDEN); PIPE DREAM; POT FIREPERSON (POWER AGITATED); REFRIGERATION PLANT; ROAD WIDENER; ROLLER; SASGEN DERRICK; SEEDING MACHINE; SOIL STABILIZER (PUMP TYPE); SPRAY CURE MACHINE, SELF-PROPELLED; STRAW BLOWER MACHINE; SUB-GRADER; TUBE FINISHER OR BROOM C.M.I. OR SIMILAR TYPE; & TUGGER HOIST. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 32.06 24.30

POWER EQUIPMENT OPERATOR: ALL OTHER WORK GROUP 4 – AIR CURTAIN DESTRUCTOR & SIMILAR TYPE; BATCH PLANT-JOB RELATED; BOILER OPERATOR; COMPRESSOR; CONVEYOR; CURB BUILDER, SELF-PROPELLED; DRILL WAGON; GENERATOR SET; GENERATOR-STEAM; HEATER-PORTABLE POWER; HYDRAULIC MANIUPLATOR CRANE; JACK-HYDRAULIC POWER DRIVEN; JACK-HYARAULIC (RAILROAD); LADAVATOR; MINOR MACHINE OPERATOR; MIXER-CONCRETE; MULCHING MACHINE; PIN PULLER; POWER BROOM; PULVERIZER; PUMP; ROAD FINISHING MAHINC (PULL TYPE); SAW-CONCRETE-SELF-PROPELLED (HIGHWAY WORK); SIGNAL PERSON; SPRAY CURE MACHINE-MOTOR POWERED; STUMP CUTTER; TRACTOR; TRENCHER FORM; WATER BLASTER; STEAM JENNY; SYPHON; VIBRATOR-GASOLINE; & WELDING MACHINE. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 28.77 24.30

POWER EQUIPMENT OPERATOR: ALL OTHER WORK GROUP 5 - BRAKEPERSON; FIREPERSON; & OILER. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 25.94 24.30

POWER EQUIPMENT OPERATOR: ASBESTOS; HAZARDOUS/TOXIC WASTE PROJECTS GROUP 1 - A & B - RIG, PILE DRIVER OR CAISSON TYPE; & RIG, PILE HYDRAULIC UNIT ATTACHED. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 44.63 24.30

POWER EQUIPMENT OPERATOR: ASBESTOS; HAZARDOUS/TOXIC WASTE PROJECTS GROUP 2 - A & B - ASPHALT HEATER PLANER; BACKFILLER WITH DRAG ATTACHMENT; BACKHOE; BACKHOE WITH SHEAR ATTACHED; BACKHOE-REAR PIVOTAL SWING; BATCH PLANT-CENTRAL MIX CONCRETE; BATCH PLANT, PORTABLE CONCRETE; BERM BUILDER-AUTOMATIC; BOAT DERRICK; BOAT-TUG; BORING MACHINE ATTACHED TO TRACTOR; BULLCLAM; VULLDOZER; C.M.I. ROAD BUILDER & SIMILAR TYPE; CABLE PLACER &LATYER; CARRIER-STRADDLE; CARRYALL-SCRAPER OR SCOPP; CHICAGO BOOM; COMPACTOR WITH BLAD ATTACHED; CONCRETE SAW (VERMEER OR SIMILAR TYPE); CONCRETE SPREADER FINISHER; COMBINATION, BIDWELL MACHINE; CRANE; CRANE-ELECTRIC OVERHEAD; CRANE-ROUGH TERRAIN; CRANE-SIDE BOOM; CRANE-TRUCK; CRANE-TOWER; DERRICK-BOOM; DERRICK-CAR; DIGGER -WHEEL (NOT TRENCHER OR ROAD WIDENER); DOUBLE NINE; DRAG LINE; DREDGE; DRILL-KENNY OR SIMILAR TYPE; EASY POUR MEDIAN BARRIER MACHINE (OR SIMILAR TYPE); ELECTROMATIC; FRANKIE PILE; GRADALL; GRADER; GURRY; SELF-PROPELLED; HEAVY EQUIPMENT ROBOTICS OPERATOR/MECHANIC; HOIST-MONORAIL; HOIST-STATIONARY & MOBILE TRACTOR; HOIST, 2 OR 3 DRUM; HORIZONTAL DIRECTIONAL DRILL OPERATOR; JACKALL; JUMBO MACHINE; KOCAL & KUHLMAN; LAND-SEAGOING VEHICLE; LOADER, ELEVATING; LOADER, FRONT END; LOADER, SKID STEER; LOCOMOTIVE; MECHANIC/WELDER; METRO CHIP HARVESTER WITH BOO; MUCKING MACHINE; PAVER-ASPHALT FINISHING MACHINE; PAVER-ROAD CONCRETE; PAVER-SLIP FORM (C.M.I. OR SIMILAR); PLACE CRETE MACHINE WITH BOOM; POST DRIVER (CARRIER MOUNTED); POWER DRIVEN HYDRAULIC PUMP & JACK (WHEN USED IN SLIP FORM OR LIFT SLAB CONSTRUCTION); PUMP CRETE MACHINE; REGULATOR-BALLAST; HYRAULIC POWER UNIT NOT ATTACHED TO RIG FOR PILE DRILLINGS; RIGS-DRILLING; ROTO MILL OR SIMILAR FULL LANE (8' WIDE & OVER); ROTO MILL OR SIMILAR TYPE (UNDER 8'); SHOVEL; SLIP FORM CURB MACHINE; SPEEDWING; SPIKEMASTER; STONECRUSHER; TIE PULLER & LOADER; TIE TAMPER; TRACTOR-DOUBLE BOOM; TRACTOR WITH ATTACHMENTS; TRUCK-BOOM; TRUCK-TIRE; TRENCH MACHINE; TUNNEL MACHINE (MARK 21 JAVA OR SIMILAR) & WHIRLEY (OR SIMILAR TYPE) (COLUMBIANA, MAHONING & TRUMBULL COUNTIES) .....$ 44.30 24.30

POWER EQUIPMENT OPERATOR: ASBESTOS; HAZARDOUS/TOXIC WASTE PROJECTS GROUP 3 - A & B - ASPHALT PLANT; BENDING MACHINE (PIPELINE OR TYPE); BORING MACHINE, MOTOR DRIVEN; CHIP HARVESTER WITHOUT BOOM; CLEANING MACHINE, PIPELINE TYPE; COATING MACHINE, PIPELINE TYPE; COMPACTOR; CONCRETE BELT PLACER; CONCRETE FINISHER; CONCRETE PLANER OR ASPHALT; CONCRETE SPREADER; ELEVATOR; FORK LIFT (HOME BUILDING ONLY); FORK LIFT & LULLS; FORK LIFT WALK BEHIND (HOISTING OVER 1 BUCK HIGH); FORM LINE MACHINE; GREASE TRUCK OPERATOR; GROUT PUMP; GUNNITE MACHINE; HORIZONTAL DIRECTIONAL DRILL LOCATOR; SINGLE DRUM HOIST WITH OR WITHOUT TOWER; HUCK BOLTING MACHINE; HYDRAULIC SCAFFOLD (HOISTING BUILDING MATERIALS); PAVING BREAKER (SELF=PROPELLED OR RIDDEN); PIPE DREAM; POT FIREPERSON (POWER AGITATED); REFRIGERATION PLANT;

ROAD WIDENER; ROLLER; SASGEN DERRICK; SEEDING MACHINE; SOIL STABILIZER (PUMP TYPE); SPRAY CURE MACHINE, SELF-PROPELLED; STRAW BLOWER MACHINE; SUB-GRADER; TUBE FINISHER OR BROOM C.M.I. OR SIMILAR TYPE; & TUGGER HOIST(COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 38.47 24.30

POWER EQUIPMENT OPERATOR: ASBESTOS; HAZARDOUS/TOXIC WASTE PROJECTS GROUP 4 - A & B - AIR CURTAIN DESTRUCTOR & SIMILAR TYPE; BATCH PLANT-JOB RELATED; BOILER OPERATOR; COMPRESSOR; CONVEYOR; CURB BUILDER, SELF-PROPELLED; DRILL WAGON; GENERATOR SET; GENERATOR-STEAM; HEATER-PORTABLE POWER; HYDRAULIC MANIUPLATOR CRANE; JACK-HYDRAULIC POWER DRIVEN; JACK-HYARAULIC (RAILROAD); LADAVATOR; MINOR MACHINE OPERATOR; MIXER-CONCRETE; MULCHING MACHINE; PIN PULLER; POWER BROOM; PULVERIZER; PUMP; ROAD FINISHING MAHINC (PULL TYPE); SAW-CONCRETE-SELF-PROPELLED (HIGHWAY WORK); SIGNAL PERSON; SPRAY CURE MACHINE-MOTOR POWERED; STUMP CUTTER; TRACTOR; TRENCHER FORM; WATER BLASTER; STEAM JENNY; SYPHON; VIBRATOR-GASOLINE; & WELDING MACHINE. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).$ 34.52 24.30POWER EQUIPMENT OPERATOR: ASBESTOS; HAZARDOUS/TOXIC WASTE PROJECTS GROUP 5 - A & B - BRAKEPERSON; FIREPERSON; & OILER. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).
.....$ 31.13 24.30

POWER EQUIPMENT OPERATOR: HAZARDOUS/TOXIC WASTE PROJECTS GROUP 1 - C & D - RIG, PILE DRIVER OR CAISSON TYPE; & RIG, PILE HYDRAULIC UNIT ATTACHED. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES)
.....$ 40.91 24.30

POWER EQUIPMENT OPERATOR: HAZARDOUS/TOXIC WASTE PROJECTS GROUP 2 - C & D - ASPHALT HEATER PLANER; BACKFILLER WITH DRAG ATTACHMENT; BACKHOE; BACKHOE WITH SHEAR ATTACHED; BACKHOE-REAR PIVOTAL SWING; BATCH PLANT-CENTRAL MIX CONCRETE; BATCH PLANT, PORTABLE CONCRETE; BERM BUILDER-AUTOMATIC; BOAT DERRICK; BOAT-TUG; BORING MACHINE ATTACHED TO TRACTOR; BULLCLAM; VULLDOZER; C.M.I. ROAD BUILDER & SIMILAR TYPE; CABLE PLACER &LATYER; CARRIER-STRADDLE; CARRYALL-SCRAPER OR SCOPP; CHICAGO BOOM; COMPACTOR WITH BLAD ATTACHED; CONCRETE SAW (VERMEER OR SIMILAR TYPE); CONCRETE SPREADER FINISHER; COMBINATION, BIDWELL MACHINE; CRANE; CRANE-ELECTRIC OVERHEAD; CRANE-ROUGH TERRAIN; CRANE-SIDE BOOM; CRANE-TRUCK; CRANE-TOWER; DERRICK-BOOM; DERRICK-CAR; DIGGER -WHEEL (NOT TRENCHER OR ROAD WIDENER); DOUBLE NINE; DRAG LINE; DREDGE; DRILL-KENNY OR SIMILAR TYPE; EASY POUR MEDIAN BARRIER MACHINE (OR SIMILAR TYPE); ELECTROMATIC; FRANKIE PILE; GRADALL; GRADER; GURRY; SELF-PROPELLED; HEAVY EQUIPMENT ROBOTICS OPERATOR/MECHANIC; HOIST-MONORAIL; HOIST-STATIONARY & MOBILE TRACTOR; HOIST, 2 OR 3 DRUM; HORIZONTAL DIRECTIONAL DRILL OPERATOR; JACKALL; JUMBO MACHINE; KOCAL & KUHLMAN; LAND-SEAGOING VEHICLE; LOADER, ELEVATING; LOADER, FRONT END; LOADER, SKID STEER; LOCOMOTIVE; MECHANIC/WELDER; METRO CHIP HARVESTER WITH BOO; MUCKING MACHINE; PAVER-ASPHALT FINISHING MACHINE; PAVER-ROAD CONCRETE; PAVER-SLIP FORM (C.M.I. OR SIMILAR); PLACE CRETE MACHINE WITH BOOM; POST DRIVER (CARRIER MOUNTED); POWER DRIVEN HYDRAULIC PUMP & JACK (WHEN USED IN SLIP FORM OR LIFT SLAB CONSTRUCTION); PUMP CRETE MACHINE; REGULATOR-BALLAST; HYRAULIC POWER UNIT NOT ATTACHED TO RIG FOR PILE DRILLINGS; RIGS-DRILLING; ROTO MILL OR SIMILAR FULL LANE (8' WIDE & OVER); ROTO MILL OR SIMILAR TYPE (UNDER 8'); SHOVEL; SLIP FORM CURB MACHINE; SPEEDWING; SPIKEMASTER; STONECRUSHER; TIE PULLER & LOADER; TIE TAMPER; TRACTOR-DOUBLE BOOM; TRACTOR WITH ATTACHMENTS; TRUCK-BOOM; TRUCK-TIRE; TRENCH MACHINE; TUNNEL MACHINE (MARK 21 JAVA OR SIMILAR) & WHIRLEY (OR SIMILAR TYPE) (COLUMBIANA, MAHONING & TRUMBULL COUNTIES)
.....$ 40.61 24.30

POWER EQUIPMENT OPERATOR: HAZARDOUS/TOXIC WASTE PROJECTS GROUP 3 - C & D - ASPHALT PLANT; BENDING MACHINE (PIPELINE OR TYPE); BORING MACHINE, MOTOR DRIVEN; CHIP HARVESTER WITHOUT BOOM; CLEANING MACHINE, PIPELINE TYPE; COATING MACHINE, PIPELINE TYPE; COMPACTOR; CONCRETE BELT PLACER; CONCRETE FINISHER; CONCRETE PLANER OR ASPHALT; CONCRETE SPREADER; ELEVATOR; FORK LIFT (HOME BUILDING ONLY); FORK LIFT & LULLS; FORK LIFT WALK BEHIND (HOISTING OVER 1 BUCK HIGH); FORM LINE MACHINE; GREASE TRUCK OPERATOR; GROUT PUMP; GUNNITE MACHINE; HORIZONTAL DIRECTIONAL DRILL LOCATOR; SINGLE DRUM HOIST WITH OR WITHOUT TOWER; HUCK BOLTING MACHINE; HYDRAULIC SCAFFOLD (HOISTING BUILDING MATERIALS); PAVING BREAKER (SELF=PROPELLED OR RIDDEN); PIPE DREAM; POT FIREPERSON (POWER AGITATED); REFRIGERATION PLANT; ROAD WIDENER; ROLLER; SASGEN DERRICK; SEEDING MACHINE; SOIL STABILIZER (PUMP TYPE); SPRAY CURE MACHINE,

SELF-PROPELLED; STRAW BLOWER MACHINE; SUB-GRADER; TUBE FINISHER OR BROOM C.M.I. OR SIMILAR TYPE; & TUGGER HOIST(COLUMBIANA, MAHONING &
TRUMBULL COUNTIES).....$ 35.27 24.30

POWER EQUIPMENT OPERATOR: HAZARDOUS/TOXIC WASTE PROJECTS GROUP 4 - C & D - AIR CURTAIN DESTRUCTOR & SIMILAR TYPE; BATCH PLANT-JOB RELATED; BOILER OPERATOR; COMPRESSOR; CONVEYOR; CURB BUILDER, SELF-PROPELLED; DRILL WAGON; GENERATOR SET; GENERATOR-STEAM; HEATER-PORTABLE POWER; HYDRAULIC MANIUPLATOR CRANE; JACK-HYDRAULIC POWER DRIVEN; JACK-HYARAULIC (RAILROAD); LADAVATOR; MINOR MACHINE OPERATOR; MIXER-CONCRETE; MULCHING MACHINE; PIN PULLER; POWER BROOM; PULVERIZER; PUMP; ROAD FINISHING MAHINC (PULL TYPE); SAW-CONCRETE-SELF-PROPELLED (HIGHWAY WORK); SIGNAL PERSON; SPRAY CURE MACHINE-MOTOR POWERED; STUMP CUTTER; TRACTOR; TRENCHER FORM; WATER BLASTER; STEAM JENNY; SYPHON; VIBRATOR-GASOLINE; & WELDING MACHINE. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES)
$ 31.65 24.30

POWER EQUIPMENT OPERATOR: HAZARDOUS/TOXIC WASTE PROJECTS GROUP 5 - C & D - BRAKEPERSON; FIREPERSON; & OILER. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES)
.....$ 28.53 24.30

IRON0017-002 05/01/2024
Rates Fringes

IRONWORKER: ORNAMENTAL, REINFORCING, & STRUCTURAL (ASHTABULA (NORTH OF ROUTE 6, STARTING AT THE GEAUGA COUNTY LINE, PROCEEDING EAST TO STATE ROUTE 45), CUYAHOGA, ERIE (EASTERN 2/3), GEAUGA, HURON (EAST OF A LINE DRAWN FROM THE NORTH BORDER THROUGH MONROEVILLE & WILLARD), LAKE, LORAIN, MEDINA (NORTH OF OLD RTE. #224), PORTAGE (WEST OF A LINE FROM MIDDLEFIELD TO SHALERSVILLE TO DEERFIELD), AND SUMMIT (NORTH OF OLD RTE. #224, INCLUDING CITY LIMITS OF BARBERTON) COUNTIES)
.....$ 36.83 29.01

IRON0017-010 05/01/2024
Rates Fringes

IRONWORKER: STRUCTURAL, INCLUDING METAL BUILDING ERECTION & REINFORCING (ASHTABULA (EASTERN PART FROM LAKE ERIE ON THE NORTH TO ROUTE #322 ON THE SOUTH TO INCLUDE CONNEAUT, KINGSVILLE, SHEFFIELD, DENMARK, DORSET, CHERRY VALLEY, WAYNE, MONROE, PIERPONT, RICHMOND, ANDOVER & WILLIAMSFIELD TOWNSHIPS)).....$ 36.83 29.01

IRON0044-001 06/01/2025
Rates Fringes

IRONWORKER, REINFORCING (ADAMS (WESTERN PART), BROWN, BUTLER (SOUTHERN PART), CLERMONT, CLINTON (SOUTH OF A LINE DRAWN FROM BLANCHESTER TO LYNCHBURG), HAMILTON, HIGHLAND (EXCLUDING EASTERN ONE-FIFTH & PORTION OF COUNTY INSIDE LINES DRAWN FROM MARSHALL TO LYNCHBURG FROM THE NORTHERN COUNTY LINE THROUGH E. MONROE TO MARSHALL) AND WARREN (SOUTH OF A LINE DRAWN FROM BLANCHESTER THROUGH MORROW TO THE WEST COUNTY LINE) COUNTIES).....$ 38.27 23.90

IRON0044-002 06/01/2025
Rates Fringes
IRONWORKER: FENCE ERECTOR (CLINTON (SOUTH OF A LINE DRAWN FROM BLANCHESTER TO LYNCHBURG), HAMILTON,

HIGHLAND (EXCLUDING EASTERN ONE-FIFTH & PORTION OF COUNTY INSIDE LINES DRAWN FROM MARSHALL TO LYNCHBURG FROM THE NORTHERN COUNTY LINE THROUGH E. MONROE TO MARSHALL) & WARREN (SOUTH OF A LINE DRAWN FROM BLANCHESTER THROUGH MORROW TO THE WEST COUNTY LINE))
.....$ 35.88 23.90

IRONWORKER: ORNAMENTAL; STRUCTURAL (CLINTON (SOUTH OF A LINE DRAWN FROM BLANCHESTER TO LYNCHBURG), HAMILTON, HIGHLAND (EXCLUDING EASTERN ONE-FIFTH & PORTION OF COUNTY INSIDE LINES DRAWN FROM MARSHALL TO LYNCHBURG FROM THE NORTHERN COUNTY LINE THROUGH E. MONROE TO MARSHALL) & WARREN (SOUTH OF A LINE DRAWN FROM BLANCHESTER THROUGH MORROW TO THE WEST COUNTY LINE))
.....$ 37.77 23.90

IRON0055-003 07/01/2024

Rates Fringes

IRONWORKER: ALL OTHER WORK (CRAWFORD (AREA BETWEEN LINES DRAWN FROM WHERE HWY #598 & #30 MEET THROUGH N. LIBERTY TO THE NORTHERN BORDER & FROM SAID HWY JUNCTION POINT DUE WEST TO THE BORDER), DEFIANCE (S. OF A LINE DRAWN FROM WHERE RTE. #66 MEETS THE NORTHERN LINE THROUGH INDEPENDENCE TO THE EASTERN COUNTY BORDER), ERIE (WESTERN 1/3), FULTON, HANCOCK, HARDIN (NORTH OF A LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHERN LINE ON THE EASTERN LINE), HENRY, HURON (WEST OF A LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHEN LINE OF THE EASTERN LINE), HENRY, HURON (WEST OF A LINE DRAWN FROM THE NORTHERN BORDER THROUGH MONROEVILLE & WILLARD), LUCAS, OTTAWA, PUTNAM (EAST OF A LINE DRAWN FROM THE NORTHERN BORDER DOWN THROUGH MILLER CITY TO WHERE #696 MEETS THE SOURTHERN BORDER), SANDUSKY, SENECA, WILLIAMS (EAST OF A LINE DRAWN FROM PIONEER THROUGH STRYKER TO THE SOUTHERN BORDER), WOOD & WYANDOT (NORTH OF RTE. #30))
.....$ 29.77 21.30

IRONWORKER: FENCE ERECTOR (CRAWFORD (AREA BETWEEN LINES DRAWN FROM WHERE HWY #598 & #30 MEET THROUGH N. LIBERTY TO THE NORTHERN BORDER & FROM SAID HWY JUNCTION POINT DUE WEST TO THE BORDER), DEFIANCE (S. OF A LINE DRAWN FROM WHERE RTE. #66 MEETS THE NORTHERN LINE THROUGH INDEPENDENCE TO THE EASTERN COUNTY BORDER), ERIE (WESTERN 1/3), FULTON, HANCOCK, HARDIN (NORTH OF A LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHERN LINE ON THE EASTERN LINE), HENRY, HURON (WEST OF A LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHEN LINE OF THE EASTERN LINE), HENRY, HURON (WEST OF A LINE DRAWN FROM THE NORTHERN BORDER THROUGH MONROEVILLE & WILLARD), LUCAS, OTTAWA, PUTNAM (EAST OF A LINE DRAWN FROM THE NORTHERN BORDER DOWN THROUGH MILLER CITY TO WHERE #696 MEETS THE SOURTHERN BORDER), SANDUSKY, SENECA, WILLIAMS (EAST OF A LINE DRAWN FROM PIONEER THROUGH STRYKER TO THE SOUTHERN BORDER), WOOD & WYANDOT (NORTH OF RTE. #30))
.....$ 29.77 21.30

IRONWORKER: FLAT ROAD MESH (CRAWFORD (AREA BETWEEN LINES DRAWN FROM WHERE HWY #598 & #30 MEET THROUGH N. LIBERTY TO THE NORTHERN BORDER & FROM SAID HWY JUNCTION POINT DUE WEST TO THE BORDER), DEFIANCE (S. OF A LINE DRAWN FROM WHERE RTE. #66 MEETS THE NORTHERN LINE THROUGH INDEPENDENCE TO THE EASTERN COUNTY BORDER), ERIE (WESTERN 1/3), FULTON, HANCOCK, HARDIN (NORTH OF A LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHERN LINE ON THE EASTERN LINE), HENRY, HURON (WEST OF A LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHEN LINE OF THE EASTERN LINE), HENRY, HURON (WEST OF A LINE DRAWN FROM THE NORTHERN BORDER THROUGH MONROEVILLE & WILLARD), LUCAS, OTTAWA, PUTNAM (EAST OF A LINE DRAWN FROM THE NORTHERN BORDER DOWN THROUGH MILLER CITY TO WHERE #696 MEETS THE SOURTHERN BORDER), SANDUSKY, SENECA, WILLIAMS (EAST OF A LINE DRAWN FROM PIONEER THROUGH STRYKER TO THE SOUTHERN BORDER), WOOD & WYANDOT (NORTH OF RTE. #30))
.....$ 26.40 24.62

IRONWORKER: TUNNES & CAISSONS UNDER PRESSURE (CRAWFORD (AREA BETWEEN LINES DRAWN FROM WHERE HWY #598 & #30 MEET THROUGH N. LIBERTY TO THE NORTHERN BORDER & FROM SAID HWY JUNCTION POINT DUE WEST TO

THE BORDER), DEFIANCE (S. OF A LINE DRAWN FROM WHERE RTE. #66 MEETS THE NORTHERN LINE THROUGH INDEPENDENCE TO THE EASTERN COUNTY BORDER), ERIE (WESTERN 1/3), FULTON, HANCOCK, HARDIN (NORTH OF A LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHERN LINE ON THE EASTERN LINE), HENRY, HURON (WEST OF A LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHEN LINE OF THE EASTERN LINE), HENRY, HURON (WEST OF A LINE DRAWN FROM THE NORTHERN BORDER THROUGH MONROEVILLE & WILLARD), LUCAS, OTTAWA, PUTNAM (EAST OF A LINE DRAWN FROM THE NORTHERN BORDER DOWN THROUGH MILLER CITY TO WHERE #696 MEETS THE SOURTHERN BORDER), SANDUSKY, SENECA, WILLIAMS (EAST OF A LINE DRAWN FROM PIONEER THROUGH STRYKER TO THE SOUTHERN BORDER), WOOD & WYANDOT (NORTH OF RTE. #30))
.....$ 35.50 29.20 ----------

IRON0147-002 06/01/2025

Rates Fringes

IRONWORKER (ALLEN (NORTHERN HALF), DEFIANCE (NORTHERN PART, EXCLUDING SOUTH OF A LINE DRAWN FROM WHERE RTE. #66 MEETS THE NORTHERN LINE THROUGH INDEPENDENCE TO THE EASTERN COUNTY BORDER), MERCER (NORTHERN HALF), PAULDING, PUTNAM (WESTERN PART, EXCLUDING EAST OF A LINE DRAWN FROM THE NORTHERN BORDER DOWN THROUGH MILLER CITY TO WHERE #696 MEETS THE SOUTHERN BORDER), VAN WERT, AND WILLIAMS (WESTERN PART, EXCLUDING EAST OF A LINE DRAWN FROM PIONEER THROUGH STRYKER TO THE SOUTHERN BORDER) COUNTIES).....$ 38.00 26.39

IRON0172-002 06/01/2025

Rates Fringes

IRONWORKER (CHAMPAIGN (EASTERN ONE-THIRD), CLARK (EASTERN ONE-FOURTH), COSHOCTON (WEST OF A LINE BEGINNING AT THE NORTHWESTERN COUNTY LINE GOING THROUGH WALHONDING & TUNNEL HILL TO THE SOUTHERN COUNTY LINE), CRAWFORD (SOUTH OF RTE. #30), DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, HARDIN (EXCLUDING A LINE DRAWN FROM ROUNDHEAD TO MAYSVILLE), HIGHLAND (EASTERN ONE-FIFTH), HOCKING, JACKSON (NORTHERN HALF), KNOX, LICKING, LOGAN (EASTERN ONE-THIRD), MADISON, MARION, MORROW, MUSKINGUM (WEST OF A LINE.....$ 40.87 23.15

IRON0207-004 06/01/2025

Rates Fringes

IRONWORKER: LAYOUT; SHEETER (ASHTABULA (SOUTHERN PART STARTING AT THE GEAUGA COUNTY LINE), COLUMBIANA (E. OF A LINE FROM DAMASCUS TO HIGHLANDTOWN), MAHONING (N. OF OLD ROUTE #224), PORTAGE (E. OF A LINE FROM MIDDLEFIELD TO SHALERSVILLE TO DEERFIELD) & TRUMBULL)
.....$ 37.26 28.16

IRONWORKER: ORNAMENTAL; REINFORCING; STRUCTURAL (ASHTABULA (SOUTHERN PART STARTING AT THE GEAUGA COUNTY LINE), COLUMBIANA (E. OF A LINE FROM DAMASCUS TO HIGHLANDTOWN), MAHONING (N. OF OLD ROUTE #224), PORTAGE (E. OF A LINE FROM MIDDLEFIELD TO SHALERSVILLE TO DEERFIELD) & TRUMBULL)
.....$ 36.26 28.16

IRON0290-002 06/01/2025

Rates Fringes

IRONWORKER (ALLEN (SOUTHERN HALF), AUGLAIZE, BUTLER (NORTH OF A LINE DRAWN FROM EAST TO THE WEST COUNTY LINE GOING THROUGH OXFORD, DARRTOWN & WOODSDALE), CHAMPAIGN (EXCLUDING EAST OF A LINE DRAWN FROM CATAWLA TO THE POINT WHERE #68 INTERSECTS THE NORTHERN COUNTY LINE), CLARK (WESTERN TWO-THIRDS), CLINTON (EXCLUDING SOUTH OF A LINE DRAWN FROM BLANCHESTER TO LYNCHBURG), DARKE, GREENE, HIGHLAND (INSIDE LINES DRAWN FROM MARSHALL TO LYNCHBURG & FROM THE NORTHERN COUNTY LINE THROUGH

EAST MONROE TO MARSHALL), LOGAN (WEST OF A LINE DRAWN FROM WEST LIBERTY TO WHERE THE NORTHERN COUNTY LINE MEETS THE WESTERN COUNTY LINE OF HARDIN), MERCER (SOUTHERN HALF), MIAMI, MONTGOMERY, PREBLE, SHELBY, & WARREN (EXCLUDING SOUTH OF A LINE DRAWN FROM BLANCHESTER THROUGH MORROW TO THE WESTERN COUNTY LINE) COUNTIES).....$ 37.39 25.35

IRON0549-003 12/01/2022

Rates Fringes

IRONWORKER (BELMONT, GUERNSEY, HARRISON, JEFFERSON, MONROE & MUSKINGUM (EXCLUDING PORTION WEST OF A LINE STARTING AT ADAMS MILL GOING TO ADAMSVILLE AND GOING FROM ADAMSVILLE THROUGH BLUE ROCK TO THE SOUTH BORDER))

.....$ 35.19 25.66

IRON0550-004 05/01/2024

Rates Fringes

IRONWORKERS: STRUCTURAL, ORNAMENTAL AND REINFORCING (ASHLAND, CARROLL, COLUMBIANA (W. OF A LINE FROM DAMASCUS TO HIGHLANDTOWN), COSHOCTON (E. OF A LINE BEGINNING AT NW CO. LINE GOING THROUGH WALHONDING & TUNNEL HILL TO THE SOUTH CO. LINE), HOLMES, HURON (S. OF OLD RTE. #224), MAHONING (S. OF OLD RTE. #224), MEDINA (S. OF OLD RTE. #224), PORTAGE (S. OF OLD RTE. #224), RICHLAND, STARK, SUMMIT (S. OF OLD RTE. #224, EXCLUDING CITY LIMITS OF BARBERTON), TUSCARAWAS, & WAYNE)

.....$ 34.70 22.88

IRON0769-004 06/01/2025

Rates Fringes

IRONWORKER (ADAMS (EASTERN HALF), GALLIA, JACKSON (SOUTHERN HALF), LAWRENCE & SCIOTO)

.....$ 39.70 29.59

IRON0787-003 06/01/2025

Rates Fringes

IRONWORKER (ATHENS, MEIGS, MORGAN, NOBLE, AND WASHINGTON COUNTIES)

.....$ 36.10 24.65

LABO0265-008 05/01/2024

Rates Fringes

LABORER GROUP 1- ASPHALT LABORER; CARPENTER TENDER; CONCRETE CURING APPLICATOR; DUMP MAN (BATCH TRUCK); GUARDRAIL AND FENCE INSTALLER; JOINT SETTER; LABORER (CONSTRUCTION); LANDSCAPE LABORER; MESH HANDLERS & PLACER; RIGHT-OF-WAY LABORER; RIPRAP LABORER & GROUTER; SCAFFOLD ERECTOR; SEAL COATING; SURFACE TREATMENT OR ROAD MIX LABORER; SIGN INSTALLER; SLURRY SEAL; UTILITY MAN; BRIDGE MAN; HANDYMAN; WATERPROOFING LABORER; FLAGPERSON; HAZARDOUS WASTE (LEVEL D); DIVER TENDER; ZONE PERSON & TRAFFIC CONTROL. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (REMAINING COUNTIES OF OHIO).....$ 35.52 14.45

LABORER GROUP 1- ASPHALT LABORER; CARPENTER TENDER; CONCRETE CURING APPLICATOR; DUMP MAN (BATCH TRUCK); GUARDRAIL AND FENCE INSTALLER; JOINT SETTER; LABORER (CONSTRUCTION); LANDSCAPE LABORER; MESH HANDLERS & PLACER; RIGHT-OF-WAY LABORER; RIPRAP LABORER & GROUTER; SCAFFOLD ERECTOR; SEAL COATING;

SURFACE TREATMENT OR ROAD MIX LABORER; SIGN INSTALLER; SLURRY SEAL; UTILITY MAN; BRIDGE MAN; HANDYMAN; WATERPROOFING LABORER; FLAGPERSON; HAZARDOUS WASTE (LEVEL D); DIVER TENDER; ZONE PERSON & TRAFFIC CONTROL. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (CUYAHOGA, GEAUGA & LAKE COUNTIES).....$ 37.18 14.45

LABORER GROUP 1- ASPHALT LABORER; CARPENTER TENDER; CONCRETE CURING APPLICATOR; DUMP MAN (BATCH TRUCK); GUARDRAIL AND FENCE INSTALLER; JOINT SETTER; LABORER (CONSTRUCTION); LANDSCAPE LABORER; MESH HANDLERS & PLACER; RIGHT-OF-WAY LABORER; RIPRAP LABORER & GROUTER; SCAFFOLD ERECTOR; SEAL COATING; SURFACE TREATMENT OR ROAD MIX LABORER; SIGN INSTALLER; SLURRY SEAL; UTILITY MAN; BRIDGE MAN; HANDYMAN; WATERPROOFING LABORER; FLAGPERSON; HAZARDOUS WASTE (LEVEL D); DIVER TENDER; ZONE PERSON & TRAFFIC CONTROL. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (ASHTABULA, ERIE, HURON, LORAIN, LUCAS, MAHONING, MEDINA, OTTAWA, PORTAGE, SANDUSKY, STARK, SUMMIT, TRUMBULL & WOOD COUNTIES).....$ 35.95 14.45

LABORER GROUP 2- ASPHALT RAKER; CONCRETE PUDDLER; KETTLE MAN PIPELINE); MACHINE DRIVEN TOOLS (GAS, ELECTRIC, AIR); MASON TENDER; BRICK PAVER; MORTAR MIXER; POWER BUGGY OR POWER WHEELBARROW; PAINT STRIPER; SHEETING & SHORING MAN; SURFACE GRINDER MAN; PLASTIC FUSING MACHINE OPERATOR; PUG MILL OPERATOR; & VACUUM DEVICES (WET OR DRY); RODDING MACHINE OPERATOR; DIVER; SCREWMAN OR PAVER; SCREED PERSON; WATER BLAST, HAND HELD WAND; PUMPS 4"" & UNDER (GAS, AIR OR ELECTRIC) & HAZARDOUS WASTE (LEVEL C); AIR TRACK AND WAGON DRILL; BOTTOM PERSON; COFFERDAM (BELOW 25 FT. DEEP); CONCRETE SAW PERSON; CUTTING WITH BURNING TORCH; FORM SETTER; HAND SPIKER (RAILROAD); PIPELAYER; TUNNEL LABORER (WITHOUT AIR) & CAISSON; UNDERGROUND PERSON (WORKING IN SEWER AND WATERLINE, CLEANING, REPAIRING & RECONDITIONING); SANDBLASTER NOZZLE PERSON; & HAZARDOUS WASTE (LEVEL B). TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (REMAINING COUNTIES OF OHIO)..$ 35.69 14.45

LABORER GROUP 2- ASPHALT RAKER; CONCRETE PUDDLER; KETTLE MAN PIPELINE); MACHINE DRIVEN TOOLS (GAS, ELECTRIC, AIR); MASON TENDER; BRICK PAVER; MORTAR MIXER; POWER BUGGY OR POWER WHEELBARROW; PAINT STRIPER; SHEETING & SHORING MAN; SURFACE GRINDER MAN; PLASTIC FUSING MACHINE OPERATOR; PUG MILL OPERATOR; & VACUUM DEVICES (WET OR DRY); RODDING MACHINE OPERATOR; DIVER; SCREWMAN OR PAVER; SCREED PERSON; WATER BLAST, HAND HELD WAND; PUMPS 4"" & UNDER (GAS, AIR OR ELECTRIC) & HAZARDOUS WASTE (LEVEL C); AIR TRACK AND WAGON DRILL; BOTTOM PERSON; COFFERDAM (BELOW 25 FT. DEEP); CONCRETE SAW PERSON; CUTTING WITH BURNING TORCH; FORM SETTER; HAND SPIKER (RAILROAD); PIPELAYER; TUNNEL LABORER (WITHOUT AIR) & CAISSON; UNDERGROUND PERSON (WORKING IN SEWER AND WATERLINE, CLEANING, REPAIRING & RECONDITIONING); SANDBLASTER NOZZLE PERSON; & HAZARDOUS WASTE (LEVEL B). TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (CUYAHOGA, GEAUGA & LAKE COUNTIES) .....$ 37.35 14.45

LABORER GROUP 2- ASPHALT RAKER; CONCRETE PUDDLER; KETTLE MAN PIPELINE); MACHINE DRIVEN TOOLS (GAS, ELECTRIC, AIR); MASON TENDER; BRICK PAVER; MORTAR MIXER; POWER BUGGY OR POWER WHEELBARROW; PAINT STRIPER; SHEETING & SHORING MAN; SURFACE GRINDER MAN; PLASTIC FUSING MACHINE OPERATOR; PUG MILL OPERATOR; & VACUUM DEVICES (WET OR DRY); RODDING MACHINE OPERATOR; DIVER; SCREWMAN OR PAVER; SCREED PERSON; WATER BLAST, HAND HELD WAND; PUMPS 4"" & UNDER (GAS, AIR OR ELECTRIC) & HAZARDOUS WASTE (LEVEL C); AIR TRACK AND WAGON DRILL; BOTTOM PERSON; COFFERDAM (BELOW 25 FT. DEEP); CONCRETE SAW PERSON; CUTTING WITH BURNING TORCH; FORM SETTER; HAND SPIKER (RAILROAD); PIPELAYER; TUNNEL LABORER (WITHOUT AIR) & CAISSON; UNDERGROUND PERSON (WORKING IN SEWER AND WATERLINE, CLEANING, REPAIRING & RECONDITIONING); SANDBLASTER NOZZLE PERSON; & HAZARDOUS WASTE (LEVEL B). TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (ASHTABULA, ERIE, HURON, LORAIN, LUCAS, MAHONING, MEDINA, OTTAWA, PORTAGE, SANDUSKY, STARK, SUMMIT, TRUMBULL & WOOD COUNTIES)$ 36.12 14.45

LABORER GROUP 3- BLASTER; MUCKER; POWDER PERSON; TOP LANDER; WRENCHER (MECHANICAL JOINTS & UTILITY PIPELINE); YARNER; HAZARDOUS WASTE (LEVEL A); CONCRETE SPECIALIST; CONCRETE CREW IN TUNNELS (WITH AIR-PRESSURIZED - $1.00 PREMIUM); CURB SETTER & CUTTER; GRADE CHECKER; UTILITY PIPELINE TAPPER; WATERLINE; AND CAULKER. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (REMAINING COUNTIES OF OHIO) .....$ 36.02 14.45

LABORER GROUP 3- BLASTER; MUCKER; POWDER PERSON; TOP LANDER; WRENCHER (MECHANICAL JOINTS & UTILITY PIPELINE); YARNER; HAZARDOUS WASTE (LEVEL A); CONCRETE SPECIALIST; CONCRETE CREW IN TUNNELS (WITH AIR-PRESSURIZED - $1.00 PREMIUM); CURB SETTER & CUTTER; GRADE CHECKER; UTILITY PIPELINE TAPPER; WATERLINE; AND CAULKER. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (CUYAHOGA, GEAUGA & LAKE COUNTIES) ....$ 37.68 14.45

LABORER GROUP 3- BLASTER; MUCKER; POWDER PERSON; TOP LANDER; WRENCHER (MECHANICAL JOINTS & UTILITY PIPELINE); YARNER; HAZARDOUS WASTE (LEVEL A); CONCRETE SPECIALIST; CONCRETE CREW IN TUNNELS (WITH AIR-PRESSURIZED - $1.00 PREMIUM); CURB SETTER & CUTTER; GRADE CHECKER; UTILITY PIPELINE TAPPER; WATERLINE; AND CAULKER. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (ASHTABULA, ERIE, HURON, LORAIN, LUCAS, MAHONING, MEDINA, OTTAWA, PORTAGE, SANDUSKY, STARK, SUMMIT, TRUMBULL & WOOD COUNTIES).....$ 36.45 14.45

LABORER GROUP 4- MINER (WITH AIR-PRESSURIZED - $1.00 PREMIUM); & GUNITE NOZZLE PERSON. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (ASHTABULA, ERIE, HURON, LORAIN, LUCAS, MAHONING, MEDINA, OTTAWA, PORTAGE, SANDUSKY, STARK, SUMMIT, TRUMBULL & WOOD COUNTIES)
..$ 36.90 14.45

LABORER GROUP 4- MINER (WITH AIR-PRESSURIZED - $1.00 PREMIUM); & GUNITE NOZZLE PERSON. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (REMAINING COUNTIES OF OHIO)
..$ 36.47 14.45

LABORER GROUP 4- MINER (WITH AIR-PRESSURIZED - $1.00 PREMIUM); & GUNITE NOZZLE PERSON. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (CUYAHOGA, GEAUGA & LAKE COUNTIES).....$ 38.13 14.45

LABORER: SEWAGE PLANTS, WASTE PLANTS, WATER TREATMENT FACILITIES, PUMPING STATIONS, & ETHANOL PLANTS CONSTRUCTION. (CUYAHOGA AND GEAUGA COUNTIES ONLY)
.....$ 38.56 14.45

PAIN0006-002 05/01/2023

Rates Fringes

PAINTER- COMMERCIAL NEW WORK; REMODELING; & RENOVATIONS: GROUP 1- BRUSH; & ROLLER (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE (N. OF THE EAST-WEST TURNPIKE) & SUMMIT (N. OF THE EAST-WEST TURNPIKE)).....$ 30.75 18.95

PAINTER- COMMERCIAL NEW WORK; REMODELING; & RENOVATIONS: GROUP 2- SANDBLASTING & BUFFING (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE (N. OF THE EAST-WEST TURNPIKE) & SUMMIT (N. OF THE EAST-WEST TURNPIKE)).....$ 31.15 18.95

PAINTER- COMMERCIAL NEW WORK; REMODELING; & RENOVATIONS: GROUP 3- SPRAY PAINTING; CLOSED STEEL ABOVE 55 FEET; BRIDGES & OPEN STRUCTURAL STEEL; TANKS - WATER TOWERS; BRIDGE PAINTERS; BRIDGE RIGGERS; CONTAINMENT BUILDERS (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE (N. OF THE EAST-WEST TURNPIKE) & SUMMIT (N. OF THE EAST-WEST TURNPIKE))..... $ 31.45 18.95

PAINTER- COMMERCIAL NEW WORK; REMODELING; & RENOVATIONS: GROUP 4- BRIDGE BLASTER (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE (N. OF THE EAST-WEST TURNPIKE) & SUMMIT (N. OF THE EAST-WEST TURNPIKE)) .....$ 37.01 18.95

PAINTER- COMMERCIAL REPAINT GROUP 1- BRUSH; & ROLLER (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE (N. OF THE EAST-WEST TURNPIKE) & SUMMIT (N. OF THE EAST-WEST TURNPIKE))
.....$ 29.25 18.95

PAINTER- COMMERCIAL REPAINT GROUP 2- SANDBLASTING & BUFFING (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE (N. OF THE EAST-WEST TURNPIKE) & SUMMIT (N. OF THE EAST-WEST TURNPIKE))
.....$ 29.65 18.95
PAINTER- COMMERCIAL REPAINT GROUP 3- SPRAY PAINTING.$ 29.95 18.95

PAIN0007-002 07/01/2025

	Rates	Fringes

PAINTER: NEW COMMERCIAL WORK: GROUP 1- BRUSH; SPRAY & SANDBLASTING POT TENDER. (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES).....$ 33.66 23.88

PAINTER: NEW COMMERCIAL WORK: GROUP 2- REFINERIES & REFINERY TANKS; SURFACES 30 FT. OR OVER WHERE MATERIAL IS APPLIED TO OR LABOR PERFORMED ON ABOVE GROUND LEVEL (EXTERIOR), FLOOR LEVEL (INTERIOR) (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES).....$ 34.66 23.88

PAINTER: NEW COMMERCIAL WORK: GROUP 3- SWING STAGE & CHAIR (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES)
.....$ 34.66 23.88

PAINTER: NEW COMMERCIAL WORK: GROUP 4- LEAD ABATEMENT (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES)
.....$ 34.66 23.88

PAINTER: NEW COMMERCIAL WORK: GROUP 5- ALL METHODS OF SPRAY (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES)
.....$ 34.66 23.88

PAINTER: NEW COMMERCIAL WORK: GROUP 6- SOLVENT-BASED CATALIZED EPOXY MATERIALS OF 2 OR MORE COMPONENT MATERIALS, TO INCLUDE SOLVENT-BASED CONVERSION VARNISH (EXCLUDING WATER BASED) (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES).....$ 34.66 23.88

PAINTER: NEW COMMERCIAL WORK: GROUP 7- SPRAY SOLVENT BASED MATERIAL; SAND & ABRASIVE BLASTING (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES).....$ 34.66 23.88

PAINTER: NEW COMMERCIAL WORK: GROUP 8- TOWERS; TANKS; BRIDGES; STACKS OVER 30 FEET (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES).....$ 34.66 23.88

PAINTER: NEW COMMERCIAL WORK: GROUP 9- EPOXY SPRAY (EXCLUDING WATER BASED) (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES)
.....$ 34.66 23.88

PAIN0012-008 05/01/2019

Rates Fringes

PAINTER: GROUP 1- BRIDGE EQUIPMENT TENDER;
BRIDGE/CONTAINMENT BUILDER (BUTLER COUNTY).....$ 21.95 10.20
PAINTER: GROUP 2- BRUSH & ROLLER (BUTLER COUNTY)....$ 25.30 10.20
PAINTER: GROUP 3- SPRAY (BUTLER COUNTY).....$ 25.80 10.20
PAINTER: GROUP 4- SANDBLASTING; & WATERBLASTING
(BUTLER COUNTY).....$ 26.05 10.20

PAINTER: GROUP 5- ELEVATED TANKS; STEEPLEJACK WORK; BRIDGE; & LEAD ABATEMENT (BUTLER COUNTY)
.....$ 26.30 10.20

PAIN0012-010 05/01/2019

Rates Fringes

PAINTER HEAVY & HIGHWAY BRIDGES- GUARDRAILS-LIGHTPOLES- STRIPING BRIDGE EQUIPMENT TENDER AND CONTAINMENT BUILDER (BROWN, CLERMONT, HAMILTON & WARREN)
.....$ 21.95 10.20

PAINTER HEAVY & HIGHWAY BRIDGES- GUARDRAILS-LIGHTPOLES- STRIPING BRIDGES WHEN HIGHEST POINT OF CLEARANCE IS 60 FEET OR MORE; & LEAD ABATEMENT PROJECTS (BROWN, CLERMONT, HAMILTON & WARREN)
.....$ 26.30 10.20

PAINTER HEAVY & HIGHWAY BRIDGES- GUARDRAILS-LIGHTPOLES- STRIPING BRUSH & ROLLER (BROWN, CLERMONT, HAMILTON & WARREN).....$ 25.30 10.20

PAINTER HEAVY & HIGHWAY BRIDGES- GUARDRAILS-LIGHTPOLES- STRIPING SANDBLASTING & HOPPER TENDER; WATER BLASTING (BROWN, CLERMONT, HAMILTON & WARREN).....$ 26.05 10.20

PAINTER HEAVY & HIGHWAY BRIDGES- GUARDRAILS-LIGHTPOLES- STRIPING SPRAY (BROWN, CLERMONT, HAMILTON & WARREN)
.....$ 25.80 10.20

PAIN0093-001 12/01/2024

	Rates	Fringes
PAINTER: BRIDGES; LOCKS; DAMS; TENSION TOWERS; & ENERGIZED SUBSTATIONS (ATHENS, GUERNSEY, HOCKING, MONROE, MORGAN, NOBLE AND WASHINGTON COUNTIES)	$ 36.44	24.46
PAINTER: POWER GENERATING FACILITIES (ATHENS, GUERNSEY, HOCKING, MONROE, MORGAN, NOBLE AND WASHINGTON COUNTIES)	$ 33.29	24.46

PAIN0249-002 05/01/2025

	Rates	Fringes
PAINTER: GROUP 1: BRUSH & ROLLER (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 29.15	13.97
PAINTER: GROUP 2: SWING, SCAFFOLD BRIDGES; STRUCTURAL STEEL; OPEN ACID TANK; HIGH TENSION ELECTRICAL EQUIPMENT; & HOT PIPES (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 33.09	13.97
PAINTER: GROUP 3: SPRAY; SANDBLAST; STEAMCLEAN; LEAD ABATEMENT (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 29.90	13.97
PAINTER: GROUP 4: STEEPLEJACK WORK (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 30.10	13.97
PAINTER: GROUP 5: COAL TAR (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 30.65	13.97
PAINTER: GROUP 6: BRIDGE EQUIPMENT TENDER & OR CONTAINMENT BUILDER (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 37.86	13.97
PAINTER: GROUP 7: TANKS, STACKS & TOWERS (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 33.86	13.97
PAINTER: GROUP 8: BRIDGE BLASTER, RIGGER (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 40.86	13.97

PAIN0356-002 09/01/2009

	Rates	Fringes
PAINTER: BRIDGE EQUIPMENT TENDERS AND CONTAINMENT BUILDERS (KNOX, LICKING, MUSKINGUM, AND PERRY)	$ 27.93	7.25
PAINTER: BRIDGES; BLASTERS; AND RIGGERS (KNOX, LICKING, MUSKINGUM, AND PERRY)	$ 34.60	7.25
PAINTER: BRUSH AND ROLLER (KNOX, LICKING, MUSKINGUM, AND PERRY)	$ 20.93	7.25
PAINTER: SANDBLASTING; STEAM CLEANING; WATERBLASTING; AND HAZARDOUS WORK (KNOX, LICKING, MUSKINGUM, AND PERRY)	$ 25.82	7.25

PAINTER: SPRAY (KNOX, LICKING, MUSKINGUM, AND PERRY)
.....$ 21.40 7.25

PAINTER: STRUCTURAL STEEL AND SWING STAGE (KNOX,
LICKING, MUSKINGUM, AND PERRY).....$ 25.42 7.25

PAINTER: TANKS; STACKS; AND TOWERS (KNOX, LICKING,
MUSKINGUM, AND PERRY).....$ 28.63 7.25

PAIN0438-002 12/01/2023
Rates Fringes

PAINTER: BRIDGES, LOCKS, DAMS, TENSION TOWERS & ENERGIZED SUBSTATIONS (BELMONT, HARRISON AND
JEFFERSON COUNTIES).....$ 36.09 19.49

PAINTER: POWER GENERATING FACILITIES (BELMONT, HARRISON AND JEFFERSON COUNTIES)
.....$ 32.94 19.49

PAIN0476-001 06/01/2025
Rates Fringes

PAINTER: GROUP 1- PAINTERS, BRUSH & ROLLER (COLUMBIANA, MAHONING, AND TRUMBULL COUNITES)
.....$ 30.64 18.36

PAINTER: GROUP 2- BRIDGES (COLUMBIANA, MAHONING, AND TRUMBULL COUNITES)
.....$ 40.27 18.36

PAINTER: GROUP 3- STRUCTURAL STEEL (COLUMBIANA, MAHONING, AND TRUMBULL COUNITES).
.....$ 40.27 18.36

PAINTER: GROUP 4- SPRAY, EXCEPT BAR JOIST/DECK (COLUMBIANA, MAHONING, AND TRUMBULL COUNITES)
.....$ 31.14 18.36

PAINTER: GROUP 5- EPOXY/MASTIC; SPRAY- BAR JOIST/DECK; WORKING ABOVE 50 FEET; AND SWINGSTAGES
(COLUMBIANA, MAHONING, AND TRUMBULL COUNITES).....$ 31.29 18.36

PAINTER: GROUP 6- TANKS; SANDBLASTING (COLUMBIANA, MAHONING, AND TRUMBULL COUNITES)
.....$ 35.27 18.36

PAINTER: GROUP 7- TOWERS; STACKS (COLUMBIANA, MAHONING, AND TRUMBULL COUNITES)
.....$ 32.64 18.36

PAIN0555-002 01/01/2025
Rates Fringes

PAINTER: GROUP 1- CONTAINMENT BUILDER (ADAMS, HIGHLAND, JACKSON, PIKE & SCIOTO)
.....$ 33.32 21.54

PAINTER: GROUP 2- BRUSH; ROLLER; POWER TOOLS, UNDER 40 FEET (ADAMS, HIGHLAND, JACKSON, PIKE & SCIOTO)
..$ 35.02 21.54

PAINTER: GROUP 3- SAND BLASTING; SPRAY; STEAM CLEANING; PRESSURE WASHING; EPOXY & TWO COMPONENT MATERIALS; LEAD ABATEMENT; HAZARDOUS WASTE; TOXIC MATERIALS; BULK & STORAGE TANKS OF 25,000 GALLON CAPACITY OR MORE; ELEVATED TANKS (ADAMS, HIGHLAND, JACKSON, PIKE & SCIOTO)
.....$ 36.72 21.54

PAINTER: GROUP 4- STACKS; BRIDGES (ADAMS, HIGHLAND, JACKSON, PIKE & SCIOTO)
.....$ 40.03 21.54

PAIN0639-001 05/01/2011

Rates Fringes

SIGN PAINTER & ERECTOR FOOTNOTES: A. 7 PAID HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; JULY 4TH; LABOR DAY; THANKSGIVING DAY; CHRISTMAS DAY & 1 FLOATING DAY B. VACATION PAY: AFTER 1 YEAR'S SERVICE - 5 DAYS' PAID VACATION; AFTER 2, BUT LESS THAN 10 YEARS' SERVICE - 10 DAYS' PAID VACATION; AFTER 10, BUT LESS THAN 20 YEARS' SERVICE - 15 DAYS' PAID VACATION; AFTER 20 YEARS' SERVICE - 20 DAYS' PAID VACATION C. FUNERAL LEAVE UP TO 3 DAYS MAXIMUM PAID LEAVE FOR DEATH OF MOTHER, FATHER, BROTHER, SISTER, SPOUSE, CHILD, MOTHER-IN-LAW, FATHER-IN-LAW, GRANDPARENT AND INLAW PROVIDED EMPLOYEE ATTENDS FUNERAL
.....$ 20.61 3.50

PAIN0788-002 06/01/2024

Rates Fringes

PAINTER: BRUSH & ROLLER (ASHLAND, CRAWFORD, ERIE, HANCOCK, HURON, MARION, MORROW, OTTAWA (ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH & GENOA), RICHLAND, SANDUSKY, SENECA & WYANDOT) WINTER REPAINT: BETWEEN DECEMBER 1 TO MARCH 31 - 90%JR $.50 PER HOUR SHALL BE ADDED TO THE RATE OF PAY FOR THE CLASSIFICATION OF WORK: WHILE WORKING SWINGSTAGE, BOATSWAIN CHAIR, NEEDLE BEAM AND HORIZONTAL CABLE. WHILE OPERATING SPRAYGUNS, SANDBLASTING, COBBLASTING AND HIGH PRESSURE WATERBLASTING (4000PSI). $1.00 PER HOUR SHALL BE ADDED TO THE RATE OF PAY FOR THE CLASSIFICATION OF WORK: FOR THE APPLICATION OF CATALIZED EPOXY, INCLUDING LATEX EPOXY THAT IS DEEMED HAZARDOUS, LEAD ABATEMENT, OR FOR WORK OR MATERIAL WHERE SPECIAL PRECAUTIONS BEYOND NORMAL WORK DUTIES MUST BE TAKEN. FOR WORKING ON STACKS, TANKS, AND TOWERS OVER 40 FEET IN HEIGHT.....$ 29.13 17.52

PAINTER: STRUCTURAL STEEL (ASHLAND, CRAWFORD, ERIE, HANCOCK, HURON, MARION, MORROW, OTTAWA (ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH & GENOA), RICHLAND, SANDUSKY, SENECA & WYANDOT) WINTER REPAINT: BETWEEN DECEMBER 1 TO MARCH 31 - 90%JR $.50 PER HOUR SHALL BE ADDED TO THE RATE OF PAY FOR THE CLASSIFICATION OF WORK: WHILE WORKING SWINGSTAGE, BOATSWAIN CHAIR, NEEDLE BEAM AND HORIZONTAL CABLE. WHILE OPERATING SPRAYGUNS, SANDBLASTING, COBBLASTING AND HIGH PRESSURE WATERBLASTING (4000PSI). $1.00 PER HOUR SHALL BE ADDED TO THE RATE OF PAY FOR THE CLASSIFICATION OF WORK: FOR THE APPLICATION OF CATALIZED EPOXY, INCLUDING LATEX EPOXY THAT IS DEEMED HAZARDOUS, LEAD ABATEMENT, OR FOR WORK OR MATERIAL WHERE SPECIAL PRECAUTIONS BEYOND NORMAL WORK DUTIES MUST BE TAKEN. FOR WORKING ON STACKS, TANKS, AND TOWERS OVER 40 FEET IN HEIGHT.....$ 30.73 17.52

PAIN0813-005 12/01/2008

Rates Fringes

PAINTER: BASE RATE (GALLIA, LAWRENCE, MEIGS & VINTON)
.....$ 24.83 10.00

PAINTER: BRIDGES, LOCKS, DAMS & TENSION TOWERS (GALLIA, LAWRENCE, MEIGS & VINTON).
.....$ 27.83 10.00

PAIN0841-001 07/01/2025

	Rates	Fringes

PAINTERS: GROUP 1- BRUSH, ROLLER & PAPERHANGER (MEDINA, PORTAGE (SOUTH OF AND INCLUDING OHIO TURNPIKE), AND SUMMIT (SOUTH OF AND INCLUDING OHIO TURNPIKE) COUNTIES)
.....$ 31.93 18.15

PAINTERS: GROUP 2- EPOXY APPLICATION (MEDINA, PORTAGE (SOUTH OF AND INCLUDING OHIO TURNPIKE), AND SUMMIT (SOUTH OF AND INCLUDING OHIO TURNPIKE) COUNTIES)
.....$ 32.58 18.15

PAINTERS: GROUP 3- SWING SCAFFOLD, BOSUM CHAIR, & WINDOW JACK (MEDINA, PORTAGE (SOUTH OF AND INCLUDING OHIO TURNPIKE), AND SUMMIT (SOUTH OF AND INCLUDING OHIO TURNPIKE) COUNTIES)
.....$ 32.68 18.15

PAINTERS: GROUP 4- SPRAY GUN OPERATOR OF ANY & ALL COATINGS (MEDINA, PORTAGE (SOUTH OF AND INCLUDING OHIO TURNPIKE), AND SUMMIT (SOUTH OF AND INCLUDING OHIO TURNPIKE) COUNTIES)
.....$ 32.78 18.15

PAINTERS: GROUP 5- SANDBLAST, PAINTING OF STANDPIPES, ETC. FROM SCAFFOLDS, BRIDGE WORK AND/OR OPEN STRUCTURAL STEEL, STANDPIPES AND/OR WATER TOWERS (MEDINA, PORTAGE (SOUTH OF AND INCLUDING OHIO TURNPIKE), AND SUMMIT (SOUTH OF AND INCLUDING OHIO TURNPIKE) COUNTIES)
.....$ 33.18 18.15

PAINTERS: GROUP 6- PUBLIC & COMMERCE TRANSPORTATION, STEEL OR GALVANIZED, BRIDGES, TUNNELS & RELATED SUPPORT ITEMS (CONCRETE) (MEDINA, PORTAGE (SOUTH OF AND INCLUDING OHIO TURNPIKE), AND SUMMIT (SOUTH OF AND INCLUDING OHIO TURNPIKE) COUNTIES)
.....$ 38.60 18.15

PAINTERS: GROUP 7- SYNTHETIC EXTERIOR, DRYWALL FINISHER AND/OR TAPER, DRYWALL FINISHER AND FOLLOW-UP MAN USING AUTOMATIC TOOLS (MEDINA, PORTAGE (SOUTH OF AND INCLUDING OHIO TURNPIKE), AND SUMMIT (SOUTH OF AND INCLUDING OHIO TURNPIKE) COUNTIES)
.....$ 33.18 18.15

PAIN0841-002 07/01/2025

	Rates	Fringes

PAINTER: BRIDGES; TOWERS, POLES & STACKS; SANDBLASTING STEEL; STRUCTURAL STEEL & METALIZING (CARROLL, COSHOCTON, HOLMES, STARK, TUSCARAWAS & WAYNE)
.....$ 33.18 18.15

PAINTER: BRUSH & ROLLER (CARROLL, COSHOCTON, HOLMES, STARK, TUSCARAWAS & WAYNE)
.....$ 31.93 18.15

PAINTER: SPRAY; TANK INTERIOR & EXTERIOR (CARROLL, COSHOCTON, HOLMES, STARK, TUSCARAWAS & WAYNE)
.....$ 32.78 18.15

PAIN1020-002 07/01/2025

	Rates	Fringes

PAINTER: BRUSH & ROLLER (ALLEN, AUGLAIZE, CHAMPAIGN, DEFIANCE, HARDIN, LOGAN, MERCER, PAULDING, PUTNAM, SHELBY, VAN WERT, AND WILLIAMS COUNTIES) ALL SURFACES 40 FT. OR OVER WHERE MATERIAL IS APPLIED TO OR LABOR PERFORMED ON, ABOVE GROUND LEVEL (EXTERIOR), FLOOR LEVEL (INTERIOR) - $.50 PREMIUM APPLYING COAL TAR PRODUCTS - $1.00
PREMIUM.....$ 27.59 18.54

PAINTER: DRYWALL FINISHING & TAPING (ALLEN, AUGLAIZE, CHAMPAIGN, DEFIANCE, HARDIN, LOGAN, MERCER, PAULDING, PUTNAM, SHELBY, VAN WERT, AND WILLIAMS COUNTIES): LL SURFACES 40 FT. OR OVER WHERE MATERIAL IS APPLIED TO OR LABOR PERFORMED ON, ABOVE GROUND LEVEL (EXTERIOR), FLOOR LEVEL (INTERIOR) - $.50 PREMIUM APPLYING COAL TAR PRODUCTS - $1.00 PREMIUM
.....$ 28.34 18.54

PAINTER: LEAD ABATEMENT (ALLEN, AUGLAIZE, CHAMPAIGN, DEFIANCE, HARDIN, LOGAN, MERCER, PAULDING, PUTNAM, SHELBY, VAN WERT, AND WILLIAMS COUNTIES) ALL SURFACES 40 FT. OR OVER WHERE MATERIAL IS APPLIED TO OR LABOR PERFORMED ON, ABOVE GROUND LEVEL (EXTERIOR), FLOOR LEVEL (INTERIOR) - $.50 PREMIUM APPLYING COAL TAR PRODUCTS - $1.00 PREMIUM
.....$ 29.34 18.54

PAINTER: SPRAY, SANDBLASTING PRESSURE CLEANING, & REFINERY (ALLEN, AUGLAIZE, CHAMPAIGN, DEFIANCE, HARDIN, LOGAN, MERCER, PAULDING, PUTNAM, SHELBY, VAN WERT, AND WILLIAMS COUNTIES) ALL SURFACES 40 FT. OR OVER WHERE MATERIAL IS APPLIED TO OR LABOR PERFORMED ON, ABOVE GROUND LEVEL (EXTERIOR), FLOOR LEVEL (INTERIOR) - $.50 PREMIUM APPLYING COAL TAR PRODUCTS - $1.00 PREMIUM.....$ 28.34 18.54

PAINTER: SWING STAGE, CHAIR, SPIDERS, & CHERRY PICKERS (ALLEN, AUGLAIZE, CHAMPAIGN, DEFIANCE, HARDIN, LOGAN, MERCER, PAULDING, PUTNAM, SHELBY, VAN WERT, AND WILLIAMS COUNTIES) ALL SURFACES 40 FT. OR OVER WHERE MATERIAL IS APPLIED TO OR LABOR PERFORMED ON, ABOVE GROUND LEVEL (EXTERIOR), FLOOR LEVEL (INTERIOR) - $.50 PREMIUM APPLYING COAL TAR PRODUCTS - $1.00 PREMIUM.....$ 27.84 18.54

PAINTER: WALLCOVERINGS (ALLEN, AUGLAIZE, CHAMPAIGN, DEFIANCE, HARDIN, LOGAN, MERCER, PAULDING, PUTNAM, SHELBY, VAN WERT, AND WILLIAMS COUNTIES) ALL SURFACES 40 FT. OR OVER WHERE MATERIAL IS APPLIED TO OR LABOR PERFORMED ON, ABOVE GROUND LEVEL (EXTERIOR), FLOOR LEVEL (INTERIOR) - $.50 PREMIUM APPLYING COAL TAR PRODUCTS - $1.00 PREMIUM.....$ 28.34 18.54

PAIN1275-002 05/01/2025

Rates Fringes

PAINTER: BRIDGES (DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, MADISON, PICKAWAY, ROSS & UNION).
.....$ 37.26 15.16
PAINTER: BRUSH; ROLLER (DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, MADISON, PICKAWAY, ROSS & UNION)
.....$ 30.20 15.16

PAINTER: SANDBLASTING; STEAMCLEANING; WATERBLASTING (3500 PSI OR OVER)& HAZARDOUS WORK (DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, MADISON, PICKAWAY, ROSS & UNION)
.....$ 32.35 15.16

PAINTER: SPRAY (DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, MADISON, PICKAWAY, ROSS & UNION)
.....$ 32.15 15.16

PAINTER: STACKS; TANKS; & TOWERS (DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, MADISON, PICKAWAY, ROSS & UNION)
.....$ 34.46 15.16

PAINTER: STRUCTURAL STEEL & SWING STAGE (DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, MADISON, PICKAWAY, ROSS & UNION).....$ 30.50 15.16

PLAS0109-001 06/01/2025

	Rates	Fringes
PLASTERER (MEDINA, PORTAGE, STARK, AND SUMMIT COUNTIES)	$ 33.00	23.83

PLAS0109-003 06/01/2025

	Rates	Fringes
PLASTERER (CARROLL, HOLMES, TUSCARAWAS, AND WAYNE COUNTIES)	$ 33.00	23.83

PLAS0132-002 07/01/2025

	Rates	Fringes
PLASTERER (BROWN, BUTLER, CLERMONT, HAMILTON, HIGHLAND, WARREN COUNTIES)	$ 31.35	17.65

PLAS0404-002 05/01/2018

	Rates	Fringes
PLASTERER (ASHTABULA, CUYAHOGA, GEAUGA, AND LAKE COUNTIES)	$ 29.63	17.11

PLAS0404-003 05/01/2018

	Rates	Fringes
PLASTERER (LORAIN COUNTY)	$ 28.86	17.11

PLAS0526-022 05/01/2018

	Rates	Fringes
PLASTERER (COLUMBIANA, MAHONING, AND TRUMBULL COUNTIES)	$ 28.86	17.11

PLAS0526-023 05/01/2018

	Rates	Fringes
PLASTERER (BELMONT, HARRISON, AND JEFFERSON COUNTIES)	$ 28.21	17.11

PLAS0886-001 07/01/2025

	Rates	Fringes
PLASTERER (FULTON, HANCOCK, HENRY, LUCAS, PUTNAM, AND WOOD COUNTIES)	$ 36.65	25.60

PLAS0886-003 07/01/2025

	Rates	Fringes

PLASTERER (DEFIANCE, ERIE, HURON, OTTAWA, PAULDING,
SANDUSKY, AND SENECA).....$ 36.65 25.60

PLAS0886-004 07/01/2025

Rates Fringes
PLASTERER (ALLEN, AUGLAIZE, HARDIN, LOGAN, MERCER,
AND VAN WERT).....$ 35.29 23.07

PLUM0042-002 07/01/2025

Rates Fringes
PLUMBER, PIPEFITTER, STEAMFITTER (ASHLAND, CRAWFORD, ERIE, HURON, KNOX, LORAIN, MORROW,
RICHLAND & WYANDOT).....$ 43.02 26.45

PLUM0050-002 06/30/2025

Rates Fringes
PLUMBER, PIPEFITTER, STEAMFITTER (DEFIANCE, FULTON, HANCOCK, HENRY, LUCAS, OTTAWA, PAULDING, PUTNAM,
SANDUSKY, SENECA, WILLIAMS & WOOD).....$ 51.00 32.56

PLUM0055-003 05/05/2025

Rates Fringes
PLUMBER (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, MEDINA (N. OF RTE. #18 & SMITH ROAD) & SUMMIT (N. OF RTE.
#303, INCLUDING THE CORPORATE LIMITS OF THE CITY OF HUDSON))
.....$ 44.86 30.03

PLUM0083-001 07/01/2023

Rates Fringes
PLUMBER AND STEAMFITTER (BELMONT & MONROE (NORTH OF
RTE. #78)).....$ 35.94 37.35

PLUM0094-002 05/01/2025

Rates Fringes
PLUMBER/PIPEFITTER (CARROLL (NORTHEN HALF), STARK,
AND WAYNE COUNTIES).....$ 47.48 27.14

PLUM0120-002 05/01/2025

Rates Fringes
PIPEFITTER (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN (THE C.E.I. POWER HOUSE IN AVON LAKE),
MEDINA (N. OF RTE. #18) & SUMMIT (N. OF #303)).....$ 49.17 28.55

PLUM0162-002 06/01/2024

Rates Fringes
PLUMBER, PIPEFITTER, STEAMFITTER (CHAMPAIGN, CLARK, CLINTON, DARKE, FAYETTE, GREENE, MIAMI, MONTGOMERY
& PREBLE).....$ 43.05 27.18

PLUM0168-002 06/01/2025

	Rates	Fringes
PLUMBER/PIPEFITTER (MEIGS, MONROE (SOUTH OF RTE. #78), MORGAN (SOUTH OF RTE. #78) & WASHINGTON).....	$ 40.92	37.20

PLUM0189-002 06/01/2025

	Rates	Fringes
PLUMBER, PIPEFITTER, STEAMFITTER (DELAWARE, FAIRFIELD, FRANKLIN, HOCKING, LICKING, MADISON, MARION, PERRY, PICKAWAY, ROSS & UNION).....	$ 53.00	27.59

PLUM0219-002 06/01/2025

	Rates	Fringes
PLUMBER AND STEAMFITTER (MEDINA (RTE. #18 FROM EASTERN EDGE OF MEDINA CO., WEST TO EASTERN CORPORATE LIMITS OF THE CITY OF MEDINA, & ON THE COUNTY ROAD FROM THE WEST CORPORATE LIMITS OF MEDINA RUNNING DUE WEST TO AND THROUGH COMMUNITY OF RISLEY TO THE WESTERN EDGE OF MEDINA COUNTY - ALL TERRITORY SOUTH OF THIS LINE), PORTAGE, AND SUMMIT (S. OF RTE. #303) COUNTIES).....	$ 46.87	28.39

PLUM0392-002 06/01/2025

	Rates	Fringes
PLUMBER/PIPEFITTER (BROWN, BUTLER, CLERMONT, HAMILTON & WARREN).....	$ 43.30	27.40

PLUM0396-001 06/01/2025

	Rates	Fringes
PLUMBER/PIPEFITTER (COLUMBIANA (EXCLUDING WASHINGTON & YELLOW CREEK TOWNSHIPS & LIVERPOOL TWP. - SECS. 35 & 36 - WEST OF COUNTY ROAD #427), MAHONING AND TRUMBULL COUNTIES)	$ 40.55	29.25

PLUM0495-002 06/01/2025

	Rates	Fringes
PLUMBER, PIPEFITTER, STEAMFITTER (CARROLL (ROSE, MONROE, UNION, LEE, ORANGE, PERRY & LOUDON TOWNSHIPS), COLUMBIANA (WASHINGTON & YELLOW CREEK TOWNSHIPS & LIVERPOOL TOWNSHIP, SECS. 35 & 36, WEST OF COUNTY RD. #427), COSHOCTON, GUERNSEY, HARRISON, HOLMES, JEFFERSON, MORGAN (SOUTH TO STATE RTE. #78 & FROM MCCONNELSVILLE WEST ON STATE RTE. #37 TO THE PERRY COUNTY LINE), MUSKINGUM, NOBLE, AND TUSCARAWAS COUNTIES).....	$ 39.32	37.60

PLUM0577-002 06/01/2025

	Rates	Fringes
PLUMBER, PIPEFITTER, STEAMFITTER (ADAMS, ATHENS, GALLIA, HIGHLAND, JACKSON, LAWRENCE, PIKE, SCIOTO & VINTON).....	$ 42.65	28.56

PLUM0776-002 07/01/2025

	Rates	Fringes

PLUMBER, PIPEFITTER, STEAMFITTER (ALLEN, AUGLAIZE, HARDIN, LOGAN, MERCER, SHELBY AND VAN WERT COUNTIES).....$ 42.76 30.81

TEAM0377-003 05/01/2025

Rates Fringes

TRUCK DRIVER: GROUP 1- ASPHALT DISTRIBUTOR; BATCH; 4- WHEEL SERVICE; 4-WHEEL DUMP; OIL DISTRIBUTOR & TANDEM (STATEWIDE, EXCEPT CUYAHOGA, GEAUGA & LAKE)
.....$ 34.26 18.85

TRUCK DRIVER: GROUP 2- TRACTOR-TRAILER COMBINATION: FUEL; POLE TRAILER; READY MIX; SEMI-TRACTOR; & ASPHALT OIL SPRAYBAR MAN WHEN OPERATED FROM CAB; 5 AXLES & OVER; BELLY DUMP; END DUMP; ARTICULATED DUMP; HEAVY DUTY EQUIPMENT; LOW BOY; & TRUCK MECHANIC (STATEWIDE, EXCEPT CUYAHOGA, GEAUGA & LAKE).....$ 35.26 18.85

TEAM0436-002 05/01/2025

Rates Fringes

TRUCK DRIVER: GROUP 1- STRAIGHT & DUMP, STRAIGHT FUEL (CUYAHOGA, GEAUGA & LAKE)
.....$ 34.92 19.30

TRUCK DRIVER: GROUP 2- SEMI FUEL, SEMI TRACTOR, EUCLIDS, DARTS, TANK, ASPHALT SPREADERS, LOW BOYS, CARRY-ALL, TOURNA-ROCKERS, HI-LIFTS, EXTRA LONG TRAILERS, SEMI-POLE TRAILERS, DOUBLE HOOK-UP TRACTOR TRAILERS INCLUDING TEAM TRACK & RAILROAD SIDING, SEMI-TRACTOR & TRI-AXLE TRAILER, TANDEM TRACTOR & TANDEM TRAILER, TAG ALONG TRAILER, EXPANDABLE TRAILER OR TOWING REQUIRING ROAD PERMITS, READY-MIX (AGITATOR OR NON-AGITATOR), BULK CONCRETE DRIVER, DRY BATCH TRUCK, ARTICULATED END DUMP (CUYAHOGA, GEAUGA & LAKE).....$ 35.73 19.30

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.
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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at https://www.dol.gov/agencies/whd/government-contracts.

Note: Executive Order 13658 generally applies to contracts subject tothe Davis-Bacon Act that were awarded on or between January 1, 2015 and January 29, 2022, and that have not been renewed or extended on or after January 30, 2022. Executive Order 13658 does not apply to contracts subject only to the Davis-Bacon Related Acts regardless of when they were awarded. If a contract is subject to Executive Order 13658, the contractor must pay all covered workers at least $13.65 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract from May 11, 2026, through December 31, 2026. The applicable Executive Order minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under Executive Order 13658 is available at www.dol.gov/whd/govcontracts.
Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

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

Union Rate Identifiers

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

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

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

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

Survey Rate Identifiers

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

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

State Adopted Rate Identifiers

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

WAGE DETERMINATION APPEALS PROCESS

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

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"

PIPE TYPE SCHEDULE

SERVICE	SIZE	MATERIAL	JOINT TYPE	JOINT RESTRAINT	TESTING	NOTES
YARD PIPING						
NG	ALL	PE 15195	FUSION-WELD			1
NPW	ALL	HDPE 15140	COMPRESSION OR BUTT FUSION			1
TD	10"	DIP 15210	15210	15210 RESTRAINED JOINTS	15210	5 AND 6
FE-1	ALL	DIP OR PVC, 02555 OR 15210	02550 AND 15250	N/A	02550 OR 15210	5
FE-2	30"	RCP (CLASS III) PVC (SDR 26) 02550	02550	N/A	02550	
ML	ALL	DIP 15210	15210	15210 RESTRAINED JOINTS	15210	5 AND 6
RAS	8"	DIP 15210	15210	15210 RESTRAINED JOINTS	15210	5 AND 6
RS	ALL	DIP 15210	15210	15250 RESTRAINED JOINTS	15250	5
SA	ALL	02550 OR 15210	02550 AND 15210	N/A	02550 OR 15210	
SC	6"	PVC SDR 35 02550	02550	N/A	02550	
SC	8"	PVC SDR 35 02550	15210	N/A	15210	5
ST	ALL	02530 2.01	02550	N/A	02550	
WAS	6"	DIP 15210	15210	15210 RESTRAINED JOINTS	15210	5 AND 6
WATER (CITY)	12" and below	DIP 02550	15210	15210 RESTRAINED JOINTS	15210	2 AND 6
GRIT	ALL	15210 GLASS LINED	15210	15210 RESTRAINED JOINTS	15210	5 AND 6

1. HYDRONIC PIPE PRESSURE TESTING SHALL BE IN ACCORDANCE WITH THE APPLICABLE STATE MECHANICAL CODE.
2. SEE SPECIFICATION 15210.
3. SEE SPECIFICATION 15140
4. SEE SPECIFICATION 02550
5. BURIED DIP: POLYETHYLENE ENCASEMENT PER AWWA C105; PROVIDE COR-BLUE OR EQUAL BOLTS.
6. RESTRAIN JOINTS REQUIRED PER THE JOINT RESTRAIN TABLE
7. RESTRAIN ALL JOINTS

△1

△2

GENERAL REQUIREMENTS
A. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN AND PAY FOR NPDES PERMIT FOR STORM WATER DISCHARGE IF THE PROJECT DISTURBS 1 OR MORE ACRES OF GROUND. IF PROJECT DISTURBS LESS THAN 1 ACRE BUT IS PART OF A LARGER PLAN OF DEVELOPMENT OR SALE, THE CONTRACTOR MAY ALSO NEED A PERMIT TO DISCHARGE STORMWATER FROM THE SITE.
B. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING AN EROSION CONTROL PLAN IN ACCORDANCE WITH THE REQUIREMENTS OF THE CLEAN WATER ACT, 33 USC SECTION 1251 ET SEQ. AND THE OWPCA, ORC 6111.01 ET SEQ. AND RELATED RULES. THE CONTRACTOR WARRANTS AND AGREES THAT IT IS EQUIPPED TO LIMIT WATER POLLUTION FOR ITS ACTIVITY ACCORDING TO APPLICABLE FEDERAL AND STATE STANDARDS.
C. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREVENT OR LIMIT POLLUTION OF AIR AND WATER RESULTING FROM HIS OPERATIONS.
D. THE CONTRACTOR SHALL PERFORM WORK REQUIRED TO PREVENT SOIL FROM ERODING OR OTHERWISE ENTERING ONTO ALL PAVED AREAS AND INTO NATURAL WATERCOURSES, DITCHES, AND PUBLIC SEWER SYSTEMS, AND TO PREVENT DUST ATTRIBUTABLE TO HIS OPERATIONS FROM ENTERING THE ATMOSPHERE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY.
E. EXCESS SOIL THAT IS STOCKPILED SHALL BE REMOVED OR REGRADED WITHIN 15 DAYS OF THE COMPLETION OF CONSTRUCTION.
F. IF WORK IS SUSPENDED FOR ANY REASON CONTRACTOR SHALL MAINTAIN THE SOIL EROSION AND SEDIMENTATION CONTROLS IN GOOD OPERATING CONDITION DURING THE SUSPENSION PERIOD. WHEN SUSPENSION PERIOD WILL EXCEED ONE MONTH THE CONTRACTOR SHALL SEED FERTILIZE AND MULCH DISTURBED AREAS LEFT EXPOSED DURING WORK SUSPENSIONS.

STREETS, SIDEWALKS AND DRIVEWAYS
A. STREETS, HAUL ROADS, AND DETOURS AND BYPASS ROADS SHALL BE SWEPT BY AUTOMATIC SELF-CONTAINED SWEEPERS.
B. EXCESSIVE DIRT ON PAVEMENTS SHALL BE REMOVED BY MEANS OF HAND SHOVELING OR APPROPRIATE MECHANICAL EQUIPMENT AND THE AREA SWEPT AS DIRECTED ABOVE.
C. SIDEWALKS AND DRIVEWAYS SHALL BE CLEANED BY MEANS OF SHOVELS AND HAND BROOMS OR APPROPRIATE MECHANICAL EQUIPMENT.
D. DUST ON UNSURFACED STREETS OR PARKING AREAS AND ANY REMAINING DUST ON SURFACED STREETS SHALL BE CONTROLLED WITH CALCIUM CHLORIDE DUST PALLIATIVE.
E. THE CONTRACTOR SHALL COMPLY WITH THE ABOVE REQUIREMENTS ON A DAILY BASIS. IF THE CONTRACTOR FAILS TO PERFORM THE ABOVE WORK IN A SATISFACTORY MANNER, ALL WORK, EXCEPT CLEANUP OPERATIONS, SHALL BE STOPPED UNTIL THE CONTRACTOR HAS COMPLIED WITH THE ABOVE REQUIREMENT.

EROSION AND SEDIMENT CONTROL
A. THE CONTRACTOR SHALL INITIATE APPROPRIATE VEGETATIVE PRACTICES ON ALL DISTURBED AREAS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 45 DAYS WITHIN SEVEN DAYS.
1.SUCH PRACTICES MAY INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, MATTING SOD STABILIZATION, VEGETATIVE BUFFER STRIPS, PHASING AND PROTECTION OF TREES.
B. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.
C. WHEN SEASONAL CONDITIONS PROHIBIT THE APPLICATION OF TEMPORARY OR PERMANENT SEEDING, NON-VEGETATIVE SOIL STABILIZATION PRACTICES, SUCH AS MULCHING AND MATTING, SHALL BE USED.
D. A STABILIZATION CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO REDUCE VEHICLE TRACKING OF SEDIMENT. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE SHALL BE SWEPT A MINIMUM OF DAILY, OR AS NEEDED, TO REMOVE ANY EXCESS MUD, DIRT, OR ROCK BEING TRACKED FROM THE SITE.
1.DUST AND SEDIMENT ALONG ANY STREET DUE TO CONSTRUCTION ON THIS SITE IS TO BE SWEPT A MINIMUM OF ONCE AT THE END OF THE DAY OR AS NECESSARY TO PREVENT A BUILD-UP OF DUST AND SOIL ON THE PAVEMENT SURFACE.
E. DUMP TRUCKS HAULING FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPAULIN.
F. NO MORE THAN 200-FEET OF TRENCH SHALL BE OPEN AT ANY GIVEN TIME. TRENCH OPENING, LAYING OF PIPE, AND BACKFILLING SHOULD OCCUR SO AS TO MINIMIZE THE AMOUNT OF DISTURBED AREA.
G. THE CONTRACTOR SHALL MINIMIZE THE WIDTH OF HIS WORK AREA.
H. EXISTING TREES, SHRUBS, AND OTHER GROUND COVER VEGETATION SHALL BE PRESERVED WHERE POSSIBLE. TREE REMOVAL WILL BE LIMITED TO THAT NECESSARY FOR CONSTRUCTION AND WILL BE LIMITED FURTHER TO THE PERMANENT EASEMENT WHEREVER POSSIBLE. NO TREE REMOVAL WILL BE PERMITTED OUTSIDE THE TEMPORARY EASEMENT.
I. STORM WATER RUNOFF AND NATURAL STREAM FLOW SHALL BE INTERCEPTED OR DIVERTED WHEN ORIGINATING UPGRADE AWAY FROM THE CONSTRUCTION SITE SO AS TO MINIMIZE THE AMOUNT OF FLOW OVER THE CONSTRUCTION SITE.
J. ALL DEWATERING FLOWS ARE TO BE SETTLED IN SILTATION BASINS OR DIRECTED THROUGH FILTERS BEFORE DISCHARGE TO STABILIZED SITES, SUCH AS STREAM OR STORM SEWERS, AND NOT ONTO EXPOSED SOILS, STREAM BANKS, OR ANY OTHER SITES WHERE THE FLOW COULD CAUSE EROSION.
K.WHEN CONSTRUCTION OCCURS NEAR STORM SEWER INLETS, EROSION CONTROL MEASURES SUCH AS INLET FILTERS OR HAY BALES SHALL BE USED TO PREVENT SILT FROM ENTERING THE STORM SEWERS.

SEDIMENT CONTROL
A. CONTRACTOR SHALL CONTROL EROSION AND TRAP SEDIMENT FROM ALL SITES REMAINING DISTURBED FOR MORE THAN 14 DAYS. SUCH PRACTICES SHALL INCLUDE AMONG OTHERS, SEDIMENT TRAPS, SEDIMENT BASINS, SILT FENCES, AND STORM DRAIN INLET PROTECTION. SILT FENCE FABRIC SHALL BE ODOT ITEM 712.09 TYPE C GEOTEXTILE FABRIC.
B. TIMING - SEDIMENT CONTROL STRUCTURES SHALL BE FUNCTIONAL THROUGHOUT EARTH-DISTURBING ACTIVITY. SEDIMENT PONDS AND PERIMETER SEDIMENT BARRIERS SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RESTABILIZED.
C. SETTLING PONDS - CONCENTRATED STORM WATER RUNOFF FROM DISTURBED AREAS FLOWING AT RATES WHICH EXCEED THE DESIGN CAPACITY OF SEDIMENT BARRIERS SHALL PASS THROUGH A SEDIMENT SETTLING POND. THE FACILITY'S STORAGE CAPACITY SHALL BE 67 CUBIC YARDS PER ACRE OF DRAINAGE AREA.
D. SEDIMENT BARRIERS - SHEET FLOW FROM RUNOFF FROM DENUDED AREA SHALL BE INTERCEPTED BY SEDIMENT BARRIERS. SEDIMENT BARRIERS, SUCH AS SEDIMENT FENCES OR DIVERSIONS DIRECTING RUNOFF TO SETTLING FACILITIES, SHALL PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM SEDIMENT TRANSPORTED BY SHEET FLOW.
E. OTHER EROSION AND SEDIMENT CONTROL PRACTICES SHALL PREVENT SEDIMENT-LADEN WATER FROM ENTERING DRAIN SYSTEMS, UNLESS THE STORM DRAIN SYSTEM DRAINS TO A SETTLING POND. THESE PRACTICES SHALL DIVERT RUNOFF FROM DISTRIBUTED AREAS AND STEEP SLOPES WHERE PRACTICABLE AND STABILIZE CHANNELS AND OUTFALLS FROM EROSIVE FLOWS.

CONSTRUCTION OF SLOPES
A. THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS WHEN WORKING ON SLOPES EXCEEDING 4:1.
1.THE PIPELINE SHALL BE CONSTRUCTED DURING DRY WEATHER, LOW FLOW PERIODS AS DETERMINED BY THE ENGINEER. THE CONSTRUCTION TIME FOR THIS WORK SHALL BE LIMITED TO THE SHORTEST TIME POSSIBLE IN ORDER TO MINIMIZE ENVIRONMENTAL IMPACTS.
2.CONSTRUCTION EQUIPMENT SHALL BE LIMITED TO TRENCHING EQUIPMENT OR RUBBER TIRED BACKHOES IN ORDER TO PREVENT SOIL EROSION AND MAINTAIN SLOPE STABILIZATION.
3.BIODEGRADABLE MESH SHALL BE USED FOR SLOPE STABILIZATION. THE MESH SHALL COVER THE ENTIRE WIDTH OF DISTURBED GROUND.
4.THE TRENCH SHALL BE BACKFILLED IMMEDIATELY AFTER INSTALLATION OF THE PIPE. THE DISTURBED AREAS SHALL BE GRADED, SEEDED, AND MULCHED WITHIN 24 HOURS AFTER BACKFILLING. THE CONTRACTOR SHALL MAINTAIN ALL SEEDED AND MULCHED AREAS IN ACCORDANCE WITH THE SPECIFICATIONS UNTIL FINAL ACCEPTANCE OF THE WORK.
5.THE CONTRACTOR SHALL PLACE STRAW OR HAY BALES AT THE BASE OF THE SLOPES FOR SEDIMENTATION CONTROL. THE BALES SHALL BE PLACED PRIOR TO CONSTRUCTION OF THE PIPELINE AND SHALL REMAIN UNTIL FINAL SEEDING HAS GERMINATED AND BECOME ESTABLISHED.

PROHIBITED CONSTRUCTION ACTIVITIES
A. DISPOSING OF EXCESS OR UNSUITABLE EXCAVATED MATERIAL IN WETLANDS OR FLOODPLAINS, EVEN WITH THE PERMISSION OF THE PROPERTY OWNER.
B. LOCATING STOCKPILE STORAGE AREAS IN ENVIRONMENTALLY SENSITIVE AREAS.
C. INDISCRIMINATE, ARBITRARY, OR CAPRICIOUS OPERATION OF EQUIPMENT IN ANY STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS, OR OUTSIDE THE EASEMENT LIMITS.
D. PUMPING OF SEDIMENT-LADEN WATER FROM TRENCHES OR OTHER EXCAVATIONS DIRECTLY INTO ANY SURFACE WATERS, ANY STREAM CORRIDORS, ANY WETLANDS, OR STORM SEWERS; ALL SUCH WATER WILL BE PROPERLY FILTERED OR SETTLED TO REMOVE SILT PRIOR TO RELEASE.
E. DISCHARGING POLLUTANTS SUCH AS CHEMICALS, FUELS, LUBRICANTS, BITUMINOUS MATERIALS, RAW SEWAGE AND OTHER HARMFUL WASTE INTO OR ALONGSIDE OF RIVERS, STREAMS, IMPOUNDMENTS, OR INTO NATURAL OR MAN-MADE CHANNELS LEADING THERETO.
F. PERMANENT OR UNSPECIFIED ALTERATION OF THE FLOW LINE OF ANY STREAM.
G. DAMAGING VEGETATION OUTSIDE OF THE CONSTRUCTION AREA.
H. DISPOSAL OF TREES, BRUSH, AND OTHER DEBRIS IN ANY STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS, OR AT UNSPECIFIED LOCATIONS.
I. OPEN BURNING OF PROJECT DEBRIS WITHOUT A PERMIT.
J. DISCHARGING INJURIOUS SILICA DUST CONCENTRATIONS INTO THE ATMOSPHERE RESULTING FROM BREAKING, CUTTING, CHIPPING, DRILLING, BUFFING, GRINDING, POLISHING, SHAPING OR SURFACING CLOSER THAN 200 FEET TO PLACES OF RESIDENCES OR PLACES OF HUMAN OCCUPATION.
K. STORING CONSTRUCTION EQUIPMENT AND VEHICLES AND/OR STOCKPILING CONSTRUCTION MATERIALS ON PROPERTY, PUBLIC OR PRIVATE, NOT PREVIOUSLY SPECIFIED ON THE DRAWINGS OR NOT AUTHORIZED BY THE OWNER OR ENGINEER FOR SUCH PURPOSE.
L. RUNNING WELL POINT OR PUMP DISCHARGE LINES THROUGH PRIVATE PROPERTY OR PUBLIC PROPERTY AND RIGHTS-OF-WAY WITHOUT THE WRITTEN PERMISSION OF THE PROPERTY OWNER AND THE CONSENT OF THE ENGINEER.

DISPOSAL OF SOLID WASTE, SANITARY, AND TOXIC WASTE
A. SOLID, SANITARY, AND TOXIC WASTE MUST BE DISPOSED OF IN A PROPER MANNER IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. IT IS PROHIBITED TO BURN, BURY OR POUR OUT ONTO THE GROUND OR INTO STORM SEWERS ANY SOLVENTS, PAINTS, STAINS, GASOLINE, DIESEL FUEL, USED MOTOR OIL, HYDRAULIC FLUID, ANTIFREEZE, CEMENT CURING COMPOUNDS AND OTHER SUCH TOXIC OR HAZARDOUS WASTES.
B. NO SOLID (OTHER THAN SEDIMENT) OR LIQUID WASTE, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED IN STORM WATER RUNOFF.
C. WASH OUT OF CEMENT TRUCKS SHOULD OCCUR IN A DIKED, DESIGNATED AREA WHERE THE WASTEWATER CAN BE COLLECTED AND DISPOSED OF PROPERLY WHEN THEY HARDEN.
D. STORAGE TANKS SHOULD BE LOCATED IN DIKED AREAS AWAY FROM ANY DRAINAGE CHANNELS. THE DIKED AREA SHOULD HOLD A VOLUME 110% OF THE LARGEST TANK.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING A SWPPP PREPARED FOR THE WORK. A COPY OF A STANDARD SWPPP TEMPLATE IS INCLUDED AS A REFERENCE. THE SWPPP SHALL BE PREPARED BY AN ENGINEER LICENSED IN THE STATE OF OHIO.
B. THE DRAWINGS SHOW RECOMMENDATIONS FOR POLLUTION PREVENTION MEASURES IS PROVIDED IN THE DRAWING SET. THE MEASURES SHOWN ON THE DRAWINGS SHALL BE CONSIDERED THE MINIMUM LEVEL OF POLLUTION PREVENTION.
C. THE CONTRACTOR SHALL ADHERE TO THE SWPPP IN ACCORDANCE WITH OEPA GUIDELINES.
D. THE SWPPP SHALL BE UPDATED AND MAINTAINED THROUGHOUT THE WORK.
E. A COPY OF THE SWPPP SHALL BE AVAILABLE AT THE SITE'S CONSTRUCTION OFFICE.

DEMOLITION AND RENOVATION / ASBESTOS ABATEMENT
A. PRIOR TO ANY DEMOLITION OR RENOVATION ACTIVITIES, A NOTIFICATION OF DEMOLITION AND RENOVATION/ABATEMENT SHALL BE SUBMITTED TO THE OHIO EPA DIVISION OF AIR POLLUTION CONTROL (DAPC) IN ACCORDANCE WITH APPLICABLE OHIO ADMINISTRATIVE CODE REQUIREMENTS.
B. THE OWNER SHALL RETAIN A CERTIFIED ASBESTOS EVALUATION SPECIALIST TO PERFORM A BUILDING AND EQUIPMENT INSPECTION FOR THE PRESENCE OF ASBESTOS-CONTAINING MATERIALS PRIOR TO DEMOLITION OR RENOVATION.
C. IF ASBESTOS-CONTAINING MATERIALS ARE IDENTIFIED, A LICENSED ASBESTOS ABATEMENT CONTRACTOR SHALL REMOVE ALL REGULATED ASBESTOS-CONTAINING MATERIALS PRIOR TO DEMOLITION. IF NO ASBESTOS-CONTAINING MATERIALS ARE IDENTIFIED, DEMOLITION MAY PROCEED FOLLOWING SUBMISSION OF THE REQUIRED NOTIFICATION.
D. THE NOTIFICATION OF DEMOLITION AND RENOVATION/ABATEMENT SHALL BE SUBMITTED A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO THE START OF ASBESTOS ABATEMENT AND/OR DEMOLITION ACTIVITIES. ASBESTOS ABATEMENT AND DEMOLITION ACTIVITIES MAY BE INCLUDED UNDER A SINGLE NOTIFICATION, WHEN APPLICABLE.
E. THE CONTRACTOR PERFORMING THE DEMOLITION AND/OR ABATEMENT WORK SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL APGPLICABLE FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL REGULATIONS. THE OWNER SHALL VERIFY THAT ALL REQUIRED INSPECTIONS AND NOTIFICATIONS HAVE BEEN COMPLETED PRIOR TO THE COMMENCEMENT OF DEMOLITION ACTIVITIES.

CIVIL
PIPE SCHEDULE AND NOTES
VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/09/26	ADDENDUM 2	JAH
2	10/30/26	ADDENDUM 3	PAL

Jones & Henry Engineers, Ltd.
Fluid thinking®
www.JHeng.com

JOB NO. 904-8119.002
SCALE AS INDICATED
THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

DESIGNED	DRAWN	CHECKED
JAH	RGW	EBK

STATUS: ISSUED FOR RE-BID
DATE: AUGUST 2026
SHEET NO.
C-0.5
21 OF 247

TOL-8119002\02\C-0.5 PIPE SCHEDULE & NOTES
10/30/2026 9:47 AM - KRILL
10/30/2026 9:51 AM

MATCH LINE SHEET C-104.1

MATCH LINE SHEET C-104.3

FUTURE CLARIFIER 3

CLARIFIER 2

CLARIFIER 1

OXIDATION DITCH

ELECTRICAL BUILDING

HEADWORKS BUILDING

SERVICE BUILDING

Existing Building

RAS/WAS PUMP STATION

SPLITTER BOX

GRIT REMOVAL

POST AERATION

U.V.

EQ BASIN PUMP STATION

DIVERSION WEIR

FIRE HYDRANT ASSEMBLY WITH WATCH VAVLE (VILLAGE STANDARD)

SEE STORM 4 PROFILE

SEE SANITARY INFLUENT SEWER 2 PROFILE

SEE SANITARY INFLUENT SEWER 1 PROFILE

SEE SANITARY 3 PROFILE

CONTRACTOR TO FIELD VERIFY SIZE AND LOCATION OF EXISTING WATER LINE

CONTRACTOR TO FIELD VERIFY SIZE AND LOCATION OF EXISTING GAS LINE

B-1 B-2 B-3 B-4 B-5 B-6 B-7 B-8 B-9 B-10 B-11 B-12 B-14 B-15

CB-ST-1 CB-ST-2 CB-ST-3

MH-SA-1 MH-SA-2 MH-SA-3 MH-SA-4 MH-SA-5 MH-SA-6 MH-SA-7 MH-SA-8

8" STORM
12" STORM
10" TD
4" GT
10" RS
20" RS
48" SANITARY
12" SANITARY
8" SANITARY
24" SANITARY
36" SANITARY
4" SANITARY
2" NPW
3" NPW
8" RAS
3" SPA
SEE NOTE 1
8" SC
6" SC
20" ML
30" ML
6" WAS
2" NG
3/4" NG
4" WATER LINE
2" WATER LINE
2"X3/4" REDUCER
1-1/4" NG
20" FE
30" FE

Chain Link Fence
Gravel
Grass
Asphalt Pavement
Woods Area
Grass Area

1713 12" Inv. 581.41
1781 12" Inv. 581.10
1799 15" Inv. 581.42
1820 15" Inv. 581.11

NOTES:
1. 3" SCH. 40 CONDUIT WITH LONG RADIUS SWEEP ELBOWS AND CAP ENDS

YARD PIPING
CIVIL
PLAN B

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
5			
4			
3	10/15/26	ADDENDUM 3	JAH
2	10/7/26	ADDENDUM 2	PAL
1			

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JOB NO. 904-8119.002
SCALE 1"=20'
THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

DESIGNED	DRAWN	CHECKED
PAL	BJD	JAH

STATUS: ISSUED FOR RE-BID
DATE: AUGUST 2026
SHEET NO.
C-104.2
30 OF 247

TOL-8119002CL-C-104.2 YARD PIPING PLAN B
10/29/2026 1:38 PM - BDRILL
10/29/2026 1:38 PM

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	BASE	FLOOR	NORTH		EAST		SOUTH		WEST		CEILING			REMARKS
				MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT	
2-HEADWORKS															
200	HEADWORKS	-	CONC	CMU	EPT-1	CMU	EPT-1	CMU	EPT-1	CMU	EPT-1	CONC	EPT-1	14'-8"	
10-ADMINISTRATION/MAINTENANCE BUILDING															
1000	ELECTRICAL BUILDING	RWB-1	CONC	CMU	EPT-1	CMU	EPT-1	CMU	EPT-1	CMU	EPT-1	GYP BD	EPT-1	12'-0"	
15-SERVICE BUILDING															
1501	OFFICE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	9'-0"	PAINT EXISTING EXPOSED MATERIALS
1502	SERVICE	EXIST	EXIST	PLYWOOD	EPT-1	PLYWOOD	EPT-1	PLYWOOD	EPT-1	PLYWOOD	EPT-1	PLYWOOD	EPT-1	11'-0"	PAINT EXISTING EXPOSED MATERIALS
1503	BLOWER	EXIST	EXIST	PLYWOOD	EPT-1	PLYWOOD	EPT-1	PLYWOOD	EPT-1	PLYWOOD	EPT-1	PLYWOOD	EPT-1	11'-0"	PAINT EXISTING EXPOSED MATERIALS

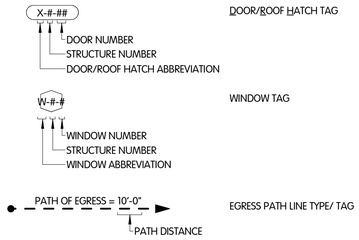
DOOR SCHEDULE

TAG / ID	DOOR					STRUCTURAL DETAILS		ARCHITECTURAL DETAILS			FRAME		HARDWARE SET	RATING	REMARKS
	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	HEAD	JAMB	HEAD	JAMB	THRESHOLD	TYPE	MATERIAL			
2-HEADWORKS															
200	3' - 0"	7' - 2"	1 3/4"	F	ALUM	DH-S2	DJ-S2	DH-A2	DJ-A2	T-1	A	ALUM	2	-	CLEAR ANOD
200A	3' - 0"	7' - 2"	1 3/4"	F	ALUM	DH-S2	DJ-S2	DH-A2	DJ-A2	T-1	A	ALUM	2	-	CLEAR ANOD
200B	12' - 0"	10' - 0"	1 1/2"	RO	ALUM	DH-S4	DJ-S4	DH-A4	DJ-A1	T-2	C	STL	-	-	
3-GRIT															
300	3' - 0"	7' - 2"	1 3/4"	F	ALUM	DH/DJ-A10	DH/DJ-A10	DH/DJ-A10	DH/DJ-A10	T-1	A	ALUM	2	-	CLEAR ANOD
300A	3' - 0"	7' - 2"	1 3/4"	F	ALUM	DH/DJ-A10	DH/DJ-A10	DH/DJ-A10	DH/DJ-A10	T-1	A	ALUM	8	-	CLEAR ANOD
10-ELECTRICAL BUILDING															
1000A	6' - 0"	7' - 2"	1 3/4"	HL	ALUM	DH-A2	DJ-A2	DH-S2	DJ-S4	T-1	D	ALUM	1	-	CLEAR ANOD
1000B	3' - 0"	7' - 2"	1 3/4"	HL	ALUM	DH-A2	DJ-A2	DH-S2	DJ-S4	T-1	A	ALUM	2	-	CLEAR ANOD
15-SERVICE BUILDING															
15-1-1	6' - 0"	8' - 0"	2"	SO	STL	DH-S3	DJ-S3	DH-A3	DJ-A3	T-2	C	STL	-	-	
15-1-2	3' - 0"	7' - 2"	1 3/4"	F	ALUM	DH/DJ-S8	DH/DJ-S8	DH/DJ-A8	DH/DJ-A8	T-1	A	ALUM	3	-	NEW DOOR IN EXIST OPENING VERIFY DIMS, CLEAR ANOD
15-1-3	3' - 0"	7' - 2"	1 3/4"	F	ALUM	DH/DJ-S8	DH/DJ-S8	DH/DJ-A8	DH/DJ-A8	T-1	A	ALUM	3	-	NEW DOOR IN EXIST OPENING VERIFY DIMS,CLEAR ANOD
15-1-4	3' - 0"	7' - 2"	1 3/4"	F	ALUM	DH/DJ-S8	DH/DJ-S8	DH/DJ-A8	DH/DJ-A8	T-1	A	ALUM	3	-	NEW DOOR IN EXIST OPENING VERIFY DIMS, CLEAR ANOD
EXISTING LAB BUILDING															
0100	3' - 0"	7' - 2"	1 3/4"	HL	ALUM	-	-	DH-A1	DJ-A1	T-1	A	ALUM	2	-	NEW EXTERIOR DOOR IN NEW OPENING VERIFY DIMS, CLEAR ANOD
0101	3' - 0"	7' - 1 3/4"	1 3/4"	HL	ALUM	-	-	DH-A1	DJ-A1	T-1	A	ALUM	2	-	NEW EXTERIOR DOOR IN EXISTING OPENING, REMOVE EXISTING DOOR AND FRAME
0102	3' - 0"	7' - 1 3/4"	1 3/4"	HL	ALUM	-	-	DH-A1	DJ-A1	T-1	A	ALUM	2	-	NEW EXTERIOR DOOR IN EXISTING OPENING, REMOVE EXISTING DOOR AND FRAME

ARCHITECTURAL ABBREVIATIONS

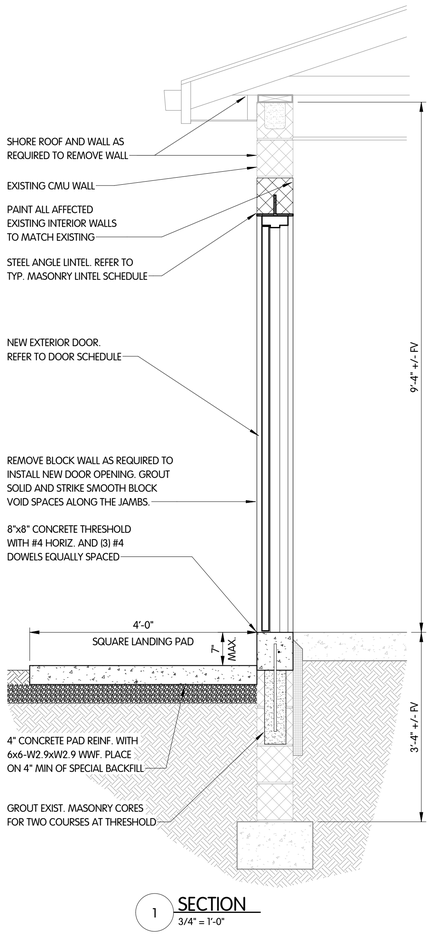
ALUM	ALUMINUM
B	BOTTOM
BLDG	BUILDING
C/C	CENTER TO CENTER
CJ	CONTROL JOINT
DIA	DIAMETER
DEG	DEGREES
DIAG	DIAGONAL
EL	ELEVATION
EMB	EMBEDMENT
EXP.JT	EXPANSION JOINT
EXT	EXTERIOR
EXIST	EXISTING
FRB	FIBERGLASS
GALV	GALVANIZED
HORIZ	HORIZONTAL
INT	INTERIOR
NTS	NOT TO SCALE
O/O	OUT TO OUT
SS	STAINLESS STEEL
STD	STANDARD
T	TOP
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL

ARCHITECTURAL SHEET SYMBOLS

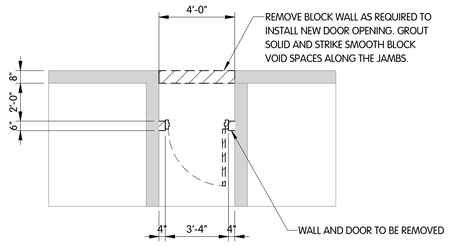


TYPICAL ARCHITECTURAL NOTES

1. THE CONSTRUCTION SHALL CONFORM TO THE TYPICAL ARCHITECTURAL NOTES, DETAIL, AD SCHEDULES, UNLESS NOTED OTHERWISE. TYPICAL NOTES, DETAILS, AND SCHEDULES ARE PREFIXED WITH THE WORD "TYPICAL".

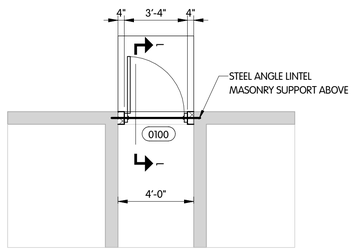


1 SECTION
3/4" = 1'-0"



0-R-EXISTING LAB BUILDING
1/4" = 1'-0"

NOTES:
1. EXISTING LAB BUILDING - WALL AND DOOR TO BE REMOVED.
2. REMOVE PART OF THE EXTERIOR WALL TO INSTALL NEW DOOR.
3. SHORE ROOF AND WALL AS REQUIRED TO REMOVE WALL.

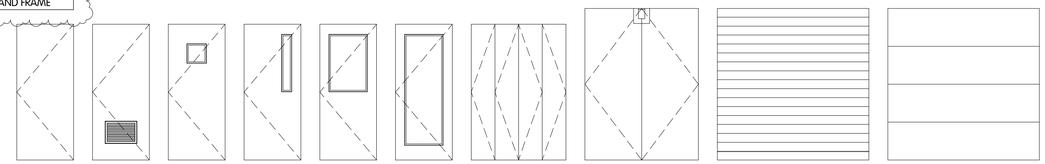


0-A-EXISTING LAB BUILDING
1/4" = 1'-0"

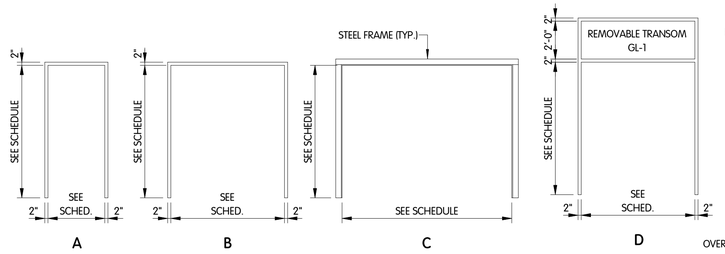
NOTES:
1. ADD NEW EXTERIOR DOOR.
2. PAINT ALL AFFECTED EXISTING INTERIOR WALLS TO MATCH EXISTING.

FINISH LEGEND

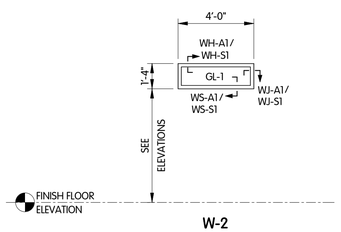
ACT-1 - ACOUSTICAL CEILING TILE - 09510
CONC - SEALED CONCRETE
EPT-1 - EPOXY PAINT - 09900 4.05 E.1.
RF-1 - 09672
RFB-1 - 09672
RWB-1 - 09651



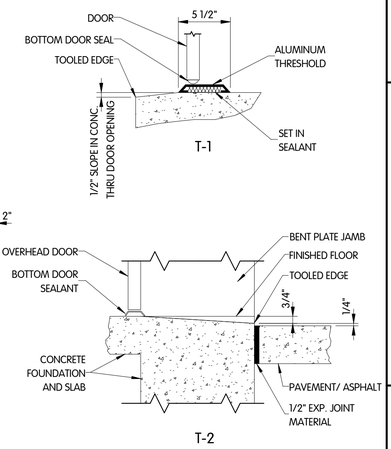
DOOR TYPES
1/4" = 1'-0"



DOOR FRAME TYPES
1/4" = 1'-0"



WINDOW TYPES
1/4" = 1'-0"



THRESHOLD TYPES
NTS

NOTE:
SCHEDULES ARE NOT GUARANTEED TO BE COMPLETE. ALL ITEMS SHOWN ON THE DRAWINGS OR SPECIFIED SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR WHETHER OR NOT LISTED IN THE FOLLOWING SCHEDULE.

ARCHITECTURAL
LEGENDS, ABBREVIATIONS, SCHEDULES, AND NOTES

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/26	ADDENDUM 3	JAH

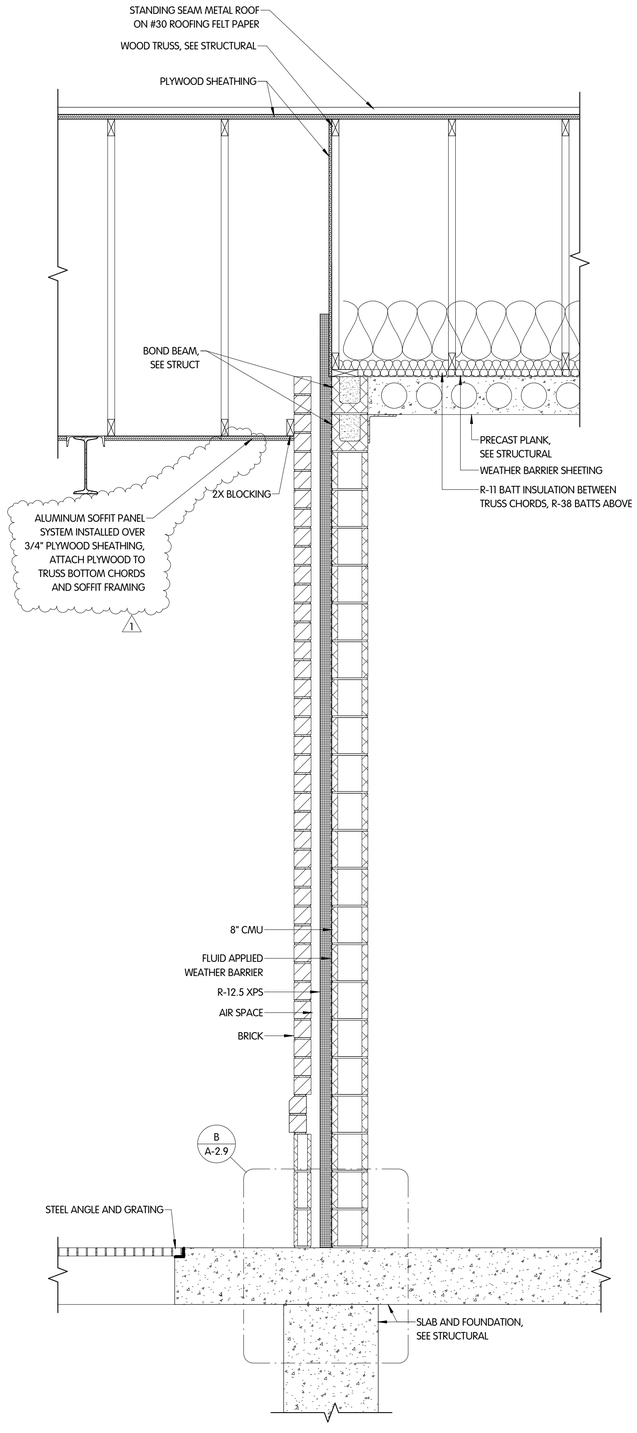
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JOB NO.: 904-8119.002
SCALE: NO SCALE
THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

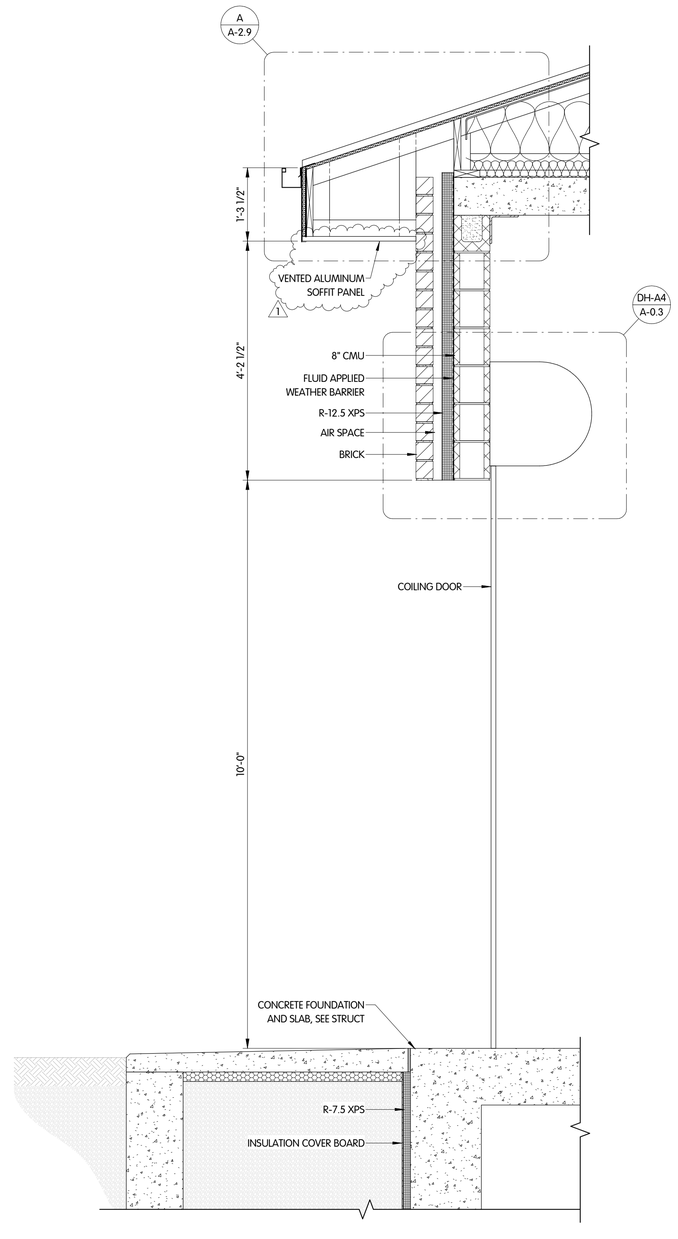
DESIGNED	DRAWN	CHECKED
DCE	RGW	DCE

STATUS: ISSUED FOR RE-BID
DATE: AUGUST 2026
SHEET NO.
A-0.1

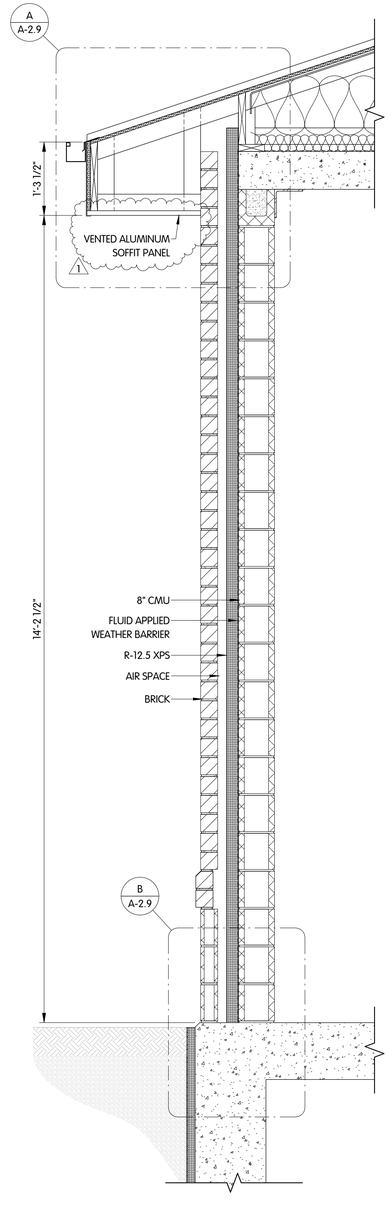
C:\Users\SRull\Documents\8119002_RM_JRULLS2925.rvt
10/29/2026 5:30:01 PM



6 WALL SECTION
3/4" = 1'-0"



5 WALL SECTION
3/4" = 1'-0"



4 WALL SECTION
3/4" = 1'-0"

HEADWORKS BUILDING
ARCHITECTURAL
WALL SECTIONS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/29/26	ADDENDUM 3	JAH

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JOB NO.: 904-8119.002

SCALE: 3/4" = 1'-0"

THIS LINE SCALES 1" WHEN
PLOTTED TO NOTED SCALE

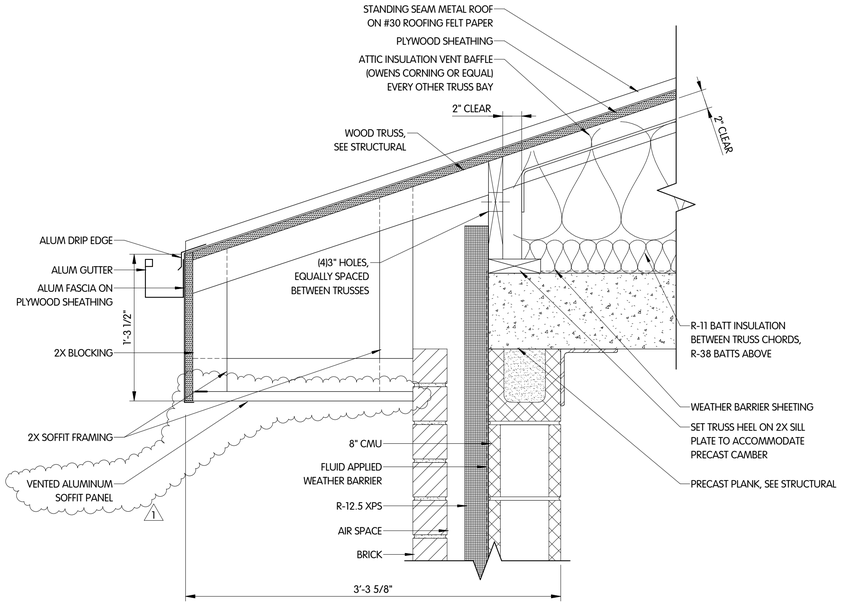
DESIGNED	DRAWN	CHECKED
DCE	RGW	DCE

STATUS: ISSUED FOR RE-BID

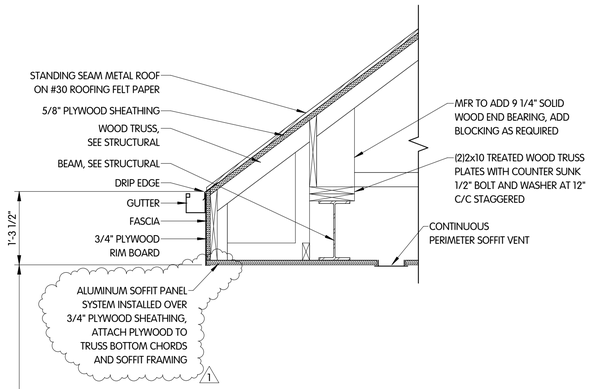
DATE: AUGUST 2026

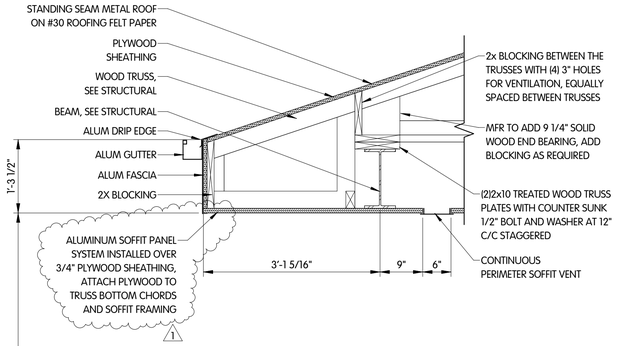
SHEET NO.
A-2.8
56 OF 247

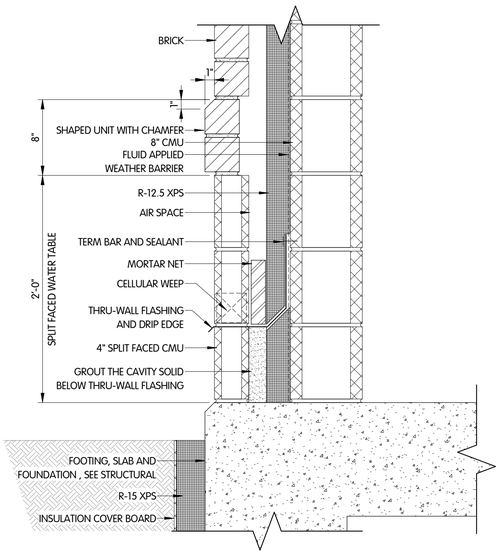
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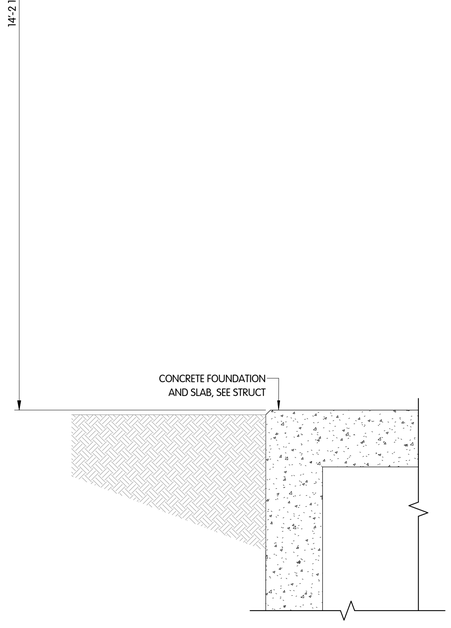
A DETAIL
1 1/2" = 1'-0"



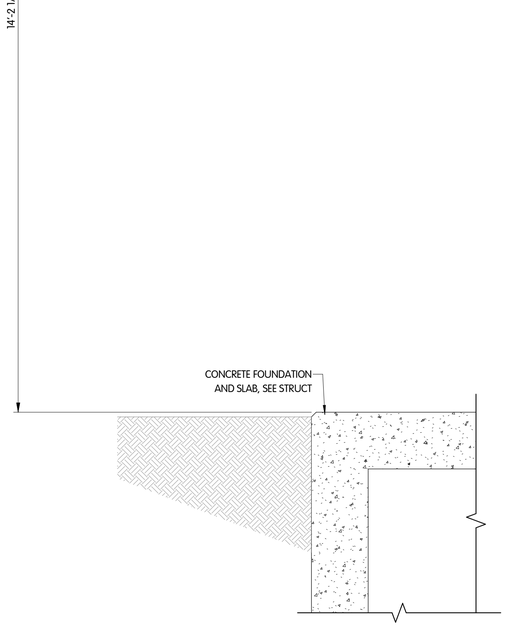




B DETAIL
1 1/2" = 1'-0"



8 SECTION
3/4" = 1'-0"



7 SECTION
3/4" = 1'-0"

HEADWORKS BUILDING
ARCHITECTURAL
WALL SECTIONS AND DETAILS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/31/2025	ADDENDUM 3	JAH

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JOB NO.: 904-8119.002

SCALE: AS INDICATED

THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

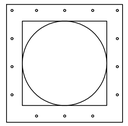
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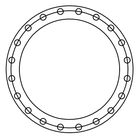
DATE: AUGUST 2026

SHEET NO.
A-2.9
57 OF 247

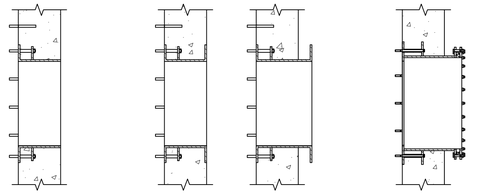
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THIMBLE RECTANGULAR (TR)



THIMBLE CIRCULAR (TC)

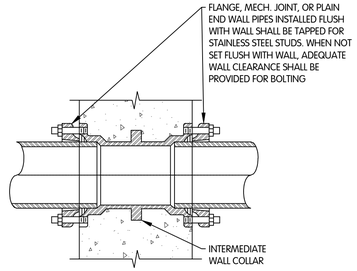


PLAIN END (PE) CONNECTION

FLANGED (FL) CONNECTION

MECHANICAL JOINT (MJ) CONNECTION

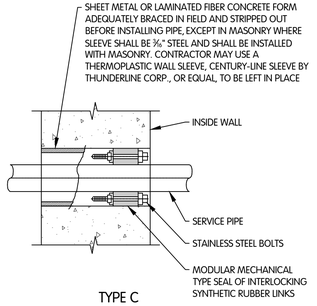
WALL THIMBLE DETAILS
NTS



TYPE A

NOTE:
UNLESS SHOWN OTHERWISE, CAST IRON OR DUCTILE IRON WALL PIPES SHALL BE USED FOR 4" DIAMETER AND LARGER PIPING.

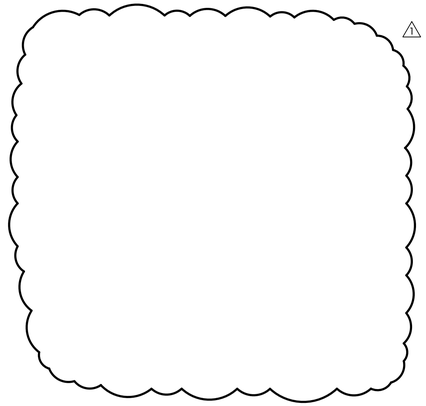
WALL PIPE
NTS

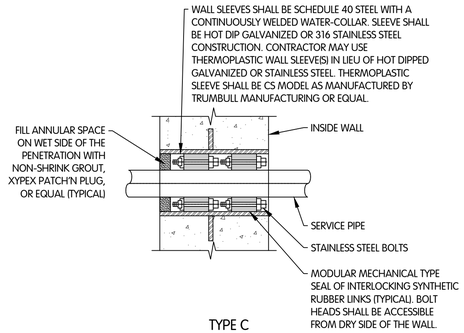


TYPE C

NOTES:
1. EXISTING WALLS SHALL BE CORE DRILLED.
2. CONCRETE SHALL BE WORKED IN AND VIBRATED TO ELIMINATE ALL VOIDS IN CONCRETE - IF VOIDS DO REMAIN, FILL WITH GROUT BEFORE INSTALLING PIPE AND RUBBER SEALS.
3. UNLESS OTHERWISE SHOWN ON THE DRAWINGS ALL INTERIOR WALL PENETRATIONS SHALL USE TYPE C PIPE SLEEVE.
4. CERTAIN TYPE C SLEEVE REQUIRE DOUBLE MODULAR MECHANICAL TYPE SEAL. THEY ARE NOTED SUCH ON THE DRAWING

PIPE SLEEVE
NTS

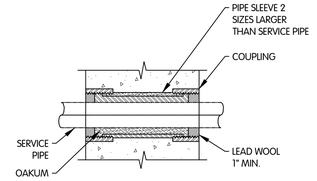




TYPE C
MODIFIED

NOTE:
1. CONCRETE SHALL BE WORKED IN AND VIBRATED TO ELIMINATE ALL VOIDS IN CONCRETE - IF VOIDS DO REMAIN, FILL WITH GROUT BEFORE INSTALLING PIPE AND RUBBER SEALS.

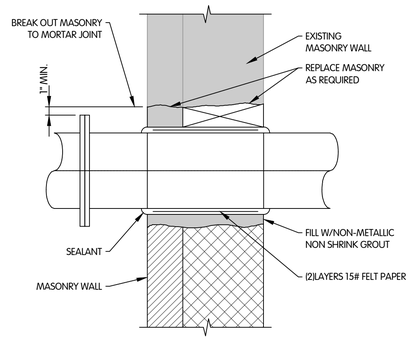
PIPE SLEEVE
NTS



TYPE B

NOTE:
FOR PIPES LESS THAN 4" DIA., USE GALVANIZED STEEL PIPE SLEEVE. FOR PIPES 4" DIA. OR LARGER, USE CI OR DI TYPE "E" SLEEVE.

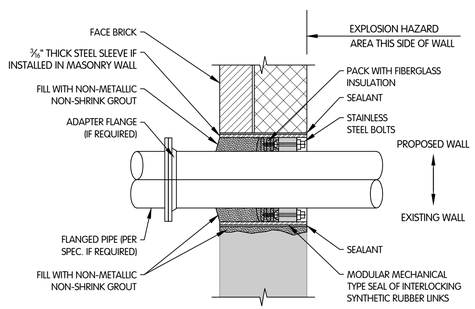
EXTERIOR WALL SLEEVE
NTS



TYPE F

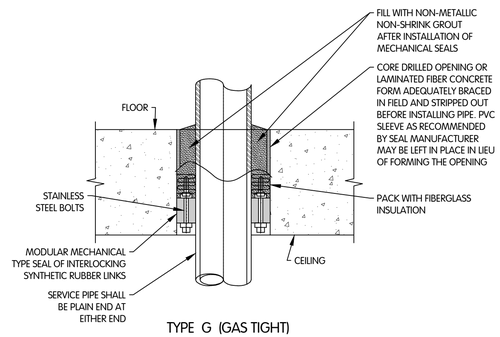
NOTE:
1. FOR EXTERIOR WALLS, FACE COURSES TO BE MASONRY AND MIDDLE COURSE TO BE FILLED WITH FIBERGLASS INSULATION.

PIPE SLEEVE THRU EXISTING OR NEW MASONRY WALL
NTS



TYPE H (GAS TIGHT)

MASONRY WALL SLEEVE
NTS



TYPE G (GAS TIGHT)

NOTE:
1. CONCRETE SHALL BE WORKED IN AND VIBRATED TO ELIMINATE ALL VOIDS IN CONCRETE - IF VOIDS DO REMAIN, FILL WITH GROUT BEFORE INSTALLING PIPE AND RUBBER SEALS.

FLOOR SLEEVE
NTS

STRUCTURAL DETAILS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	01/26/2026	ADDENDUM 3	JAH
2			
3			
4			
5			

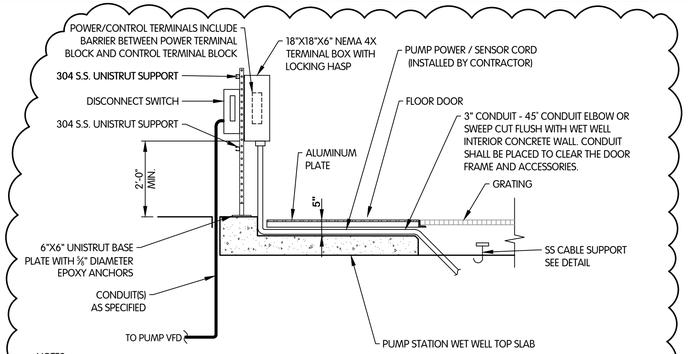
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JOB NO. 904-8119.002
SCALE AS INDICATED
THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

DESIGNED	DRAWN	CHECKED
JDN	RGW	JDN

STATUS: ISSUED FOR RE-BID
DATE: AUGUST 2026
SHEET NO.
S-0.11
76 OF 247

TOL-8119002_S25-S-0.14 - DETAILS
VIOLETTE 01/30/2026 9:37 AM - DRILL
01/30/2026 9:39 AM

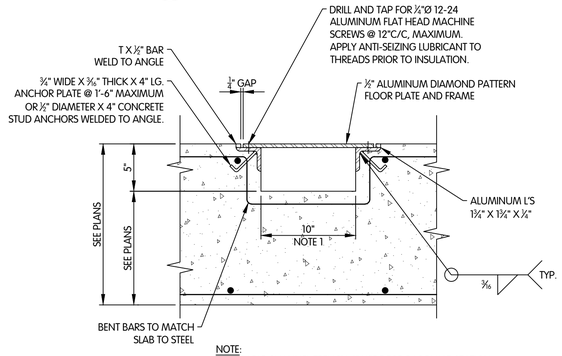


NOTES:
1. ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE SURFACES SHALL BE COATED WITH BITUMINOUS MATERIAL.
2. THE CONTRACTOR SHALL COORDINATE THE CABLE CHANNEL LOCATION WITH THE PUMP RAIL CONNECTION TO THE TOP SLAB, FLOOR DOOR AND THE FLOOR DOOR DRAIN LOCATION.
3. COUPLINGS TO BE ABOVE 18" CLASS 1, DIV 2 BOUNDARY.

A CABLE CHANNEL DETAILS
1/2" = 1'-0"

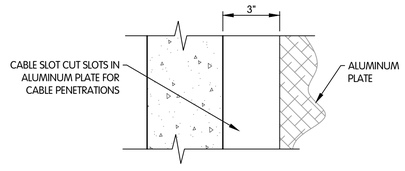
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2

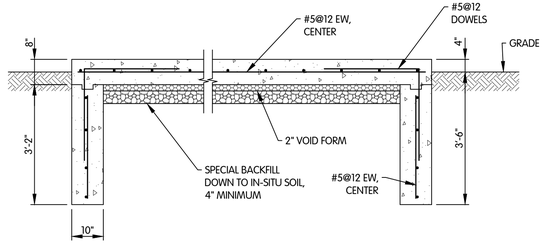


NOTE:
1. CABLE CHANNEL TRENCH 6" WIDE FOR RAS PUMP STATION.

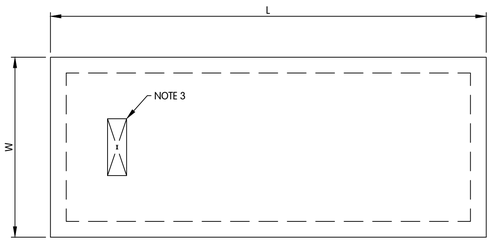
B CABLE CHANNEL TRENCH DETAILS
½"=1'-0"



C DETAIL
3"=1'-0"



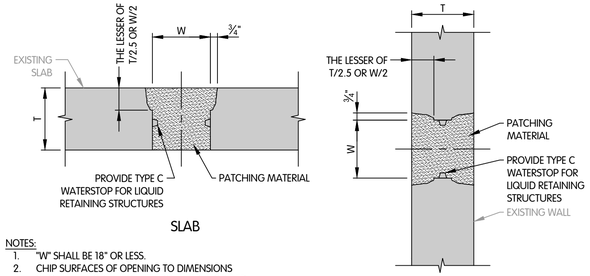
SECTION



PLAN

NOTES:
1. GENERATOR PAD: W=8'-8", L=23'-2"; MECHANICAL UNIT PADS: MAU-2-1 W=5'-8" L=9'-0"; MAU-11-1 W=7'-5" L=7'-10", AIR HANDLING UNIT: RTU-10-1 W=5'-2" L=8'-2".
2. THE PROVIDE DIMENSIONS ARE APPROXIMATE. THE PAD SHALL BE 12" LARGER THAN FURNISHED GENERATOR AND 6" LARGER THAN FURNISHED MECHANICAL UNITS ON ALL SIZES. THE CONTRACTOR SHALL COORDINATE THE DIMENSIONS OF THE PAD.
3. PROVIDE OPENINGS IN SLAB FOR UTILITIES AS REQUIRED BY THE EQUIPMENT MANUFACTURER. REINFORCE THESE OPENINGS PER THE "TYPICAL ADDITIONAL REINFORCEMENT AT OPENINGS" DETAIL.
4. PROVIDE BALLARDS AROUND THE EQUIPMENT PLAN WHEN SHOWN ON THE SITE PLAN.
5. PROVIDE CORNER BARS PER DETAIL TCD-07.

TYPICAL EXTERIOR EQUIPMENT PAD
NTS

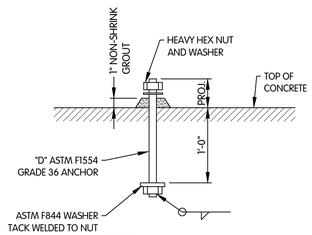


SLAB

WALL

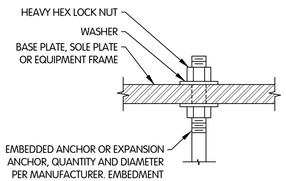
NOTES:
1. "W" SHALL BE 18" OR LESS.
2. CHIP SURFACES OF OPENING TO DIMENSIONS SHOWN. FILL OPENING WITH POLYMER-MODIFIED CEMENTITIOUS PATCHING MATERIAL.

TYPICAL DETAILS FOR PATCHING OF ABANDONED OPENINGS
NTS

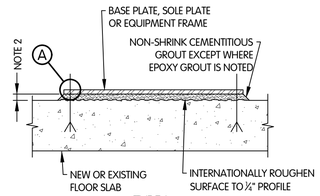


NOTES:
1. THE QUANTITY AND DIAMETER OF ANCHOR BOLTS SHALL BE PROVIDED BY THE PRE-ENGINEERED BUILDING MANUFACTURER.
2. TYPE C ANCHOR SHALL BE USED FOR BUILDING COLUMNS.

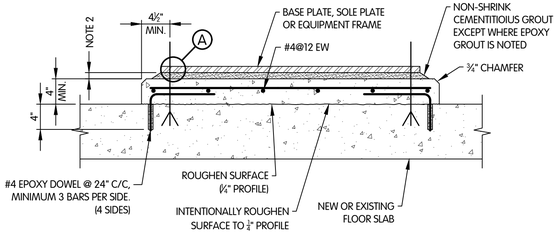
TYPE C ANCHOR BOLT
NTS



DETAIL A
(TYPICAL) NTS

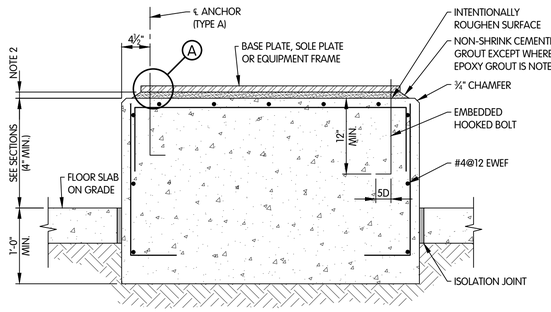


TYPE I
(WITHOUT CONCRETE BASE PAD)

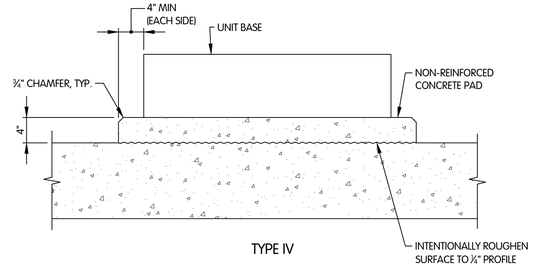


NOTE:
WHERE HEIGHT EXCEEDS 12" ADD #4@12 HORIZONTALLY TO EACH FACE.

TYPE II
(WITH CONCRETE BASE PAD)



TYPE III



TYPE IV

EQUIPMENT BASE NOTES:
1. CONCRETE BASE PAD DIMENSIONS SHALL BE 4" LARGER THAN FURNISHED EQUIPMENT BASE ON ALL SIDES, UNLESS NOTED OTHERWISE.
2. GROUT THICKNESS UNDER EQUIPMENT BASES SHALL BE AS FOLLOWS:
   A. 3" MAXIMUM UNLESS NOTED OTHERWISE
   B. 1" MINIMUM FOR NON-SHRINK CEMENTITIOUS GROUT, U.N.O.
   C. 2" MINIMUM FOR EPOXY GROUT, U.N.O.
3. WHEN BASE IS ON ELEVATED SLAB THE SLAB BARS SHALL NOT BE CUT. USE REBAR FINDER EQUIPMENT TO LOCATE BARS AND ADJUST ANCHORAGE LOCATIONS TO MISS FLOOR BARS.

TYPICAL EQUIPMENT BASE DETAILS (EQBD)
NTS

STRUCTURAL DETAILS

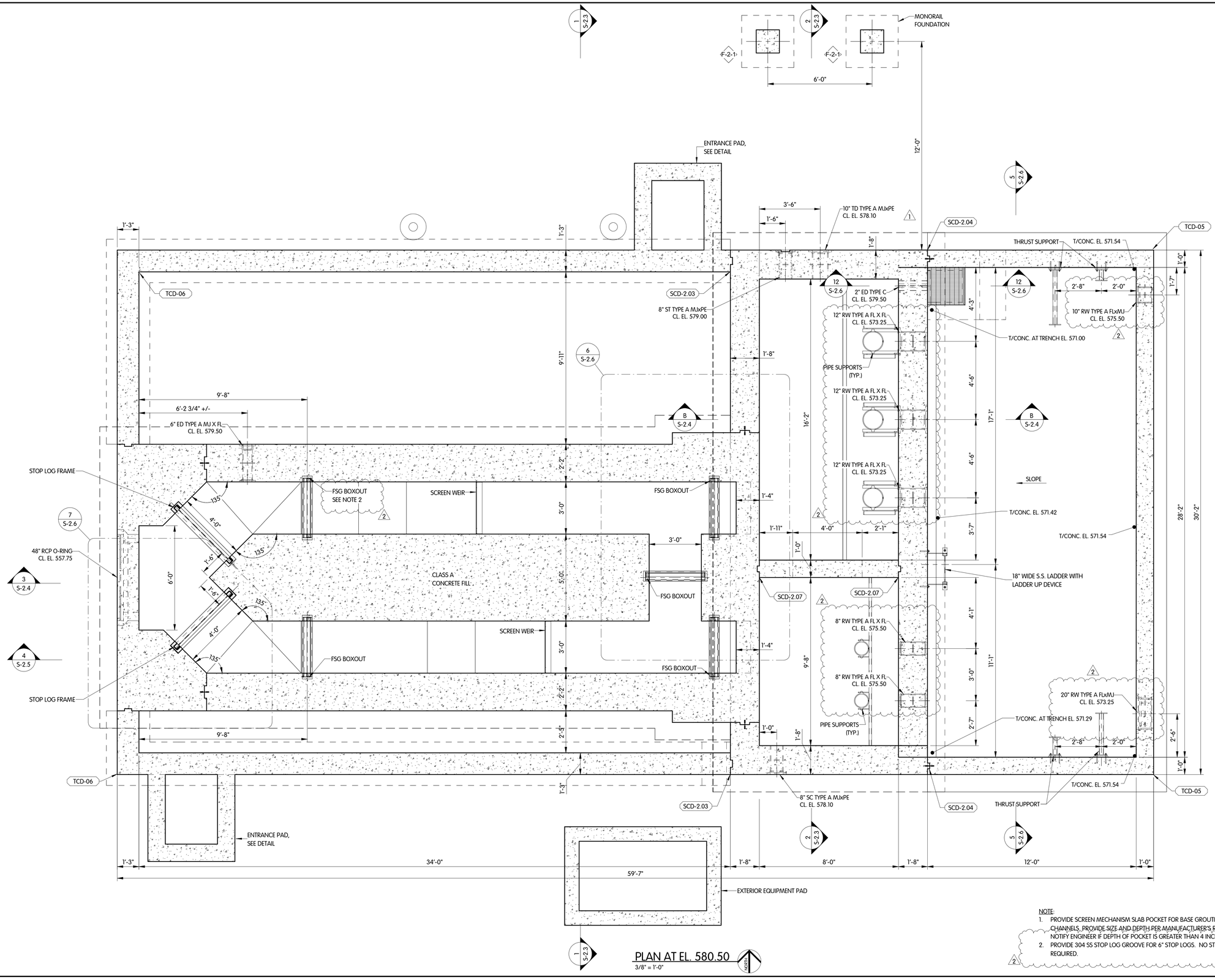
VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO	DATE	BY
1		JAH
2		EBK
3	10/9/26	REVISIONS AFTER ISSUED FOR BID
4	10/27/26	ADDENDUM 2
5		ADDENDUM 3

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JOB NO. 904-8119.002
SCALE AS INDICATED
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STATUS: ISSUED FOR RE-BID
DATE: AUGUST 2026
SHEET NO.
S-0.12
77 OF 247

TOL-8119002_SIL-S-0.15 - DETAILS
10/29/2026 3:59 PM - KRILL
10/29/2026 3:59 PM



NOTE:
1. PROVIDE SCREEN MECHANISM SLAB POCKET FOR BASE GROUTING IN BOTH CHANNELS. PROVIDE SIZE AND DEPTH PER MANUFACTURER'S REQUIREMENTS. NOTIFY ENGINEER IF DEPTH OF POCKET IS GREATER THAN 4 INCHES.
2. PROVIDE 304 SS STOP LOG GROOVE FOR 6" STOP LOGS. NO STOP LOGS REQUIRED.

2 A

HEADWORKS BUILDING STRUCTURAL PLAN AT EL. 580.50

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
2	01/30/12	ADDENDUM 3	JAH
1	10/19/26	ADDENDUM 2	JAH

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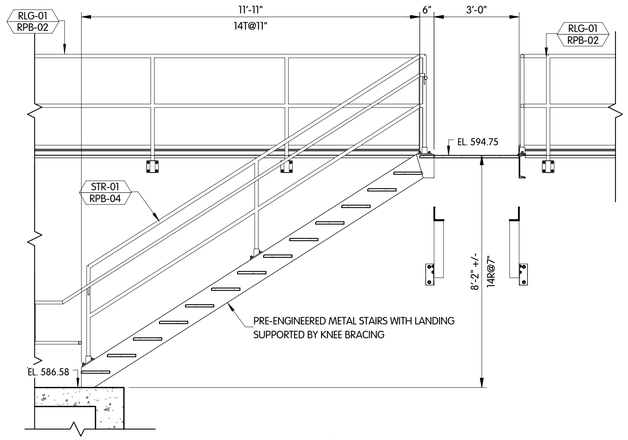
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THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

DESIGNED	DRAWN	CHECKED
JDN	RGW	JDN

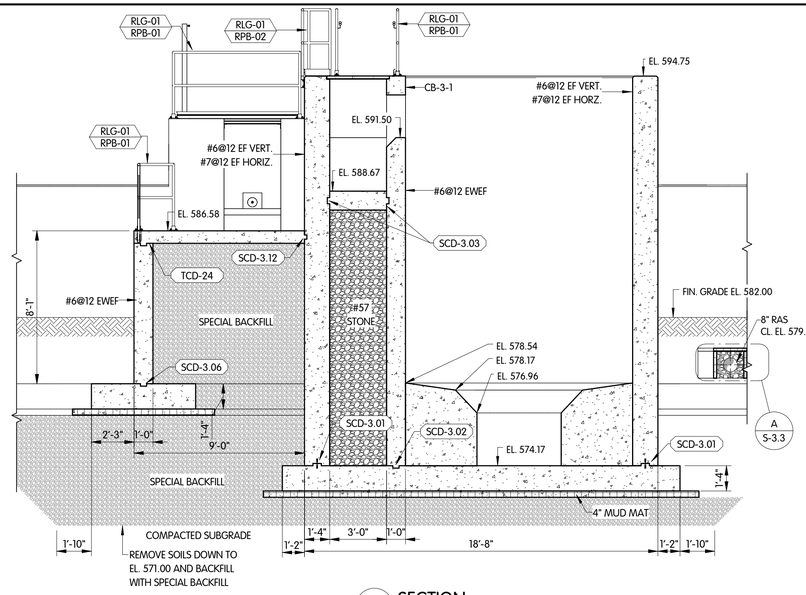
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DATE: AUGUST 2026

SHEET NO.
S-2.1
79 OF 247

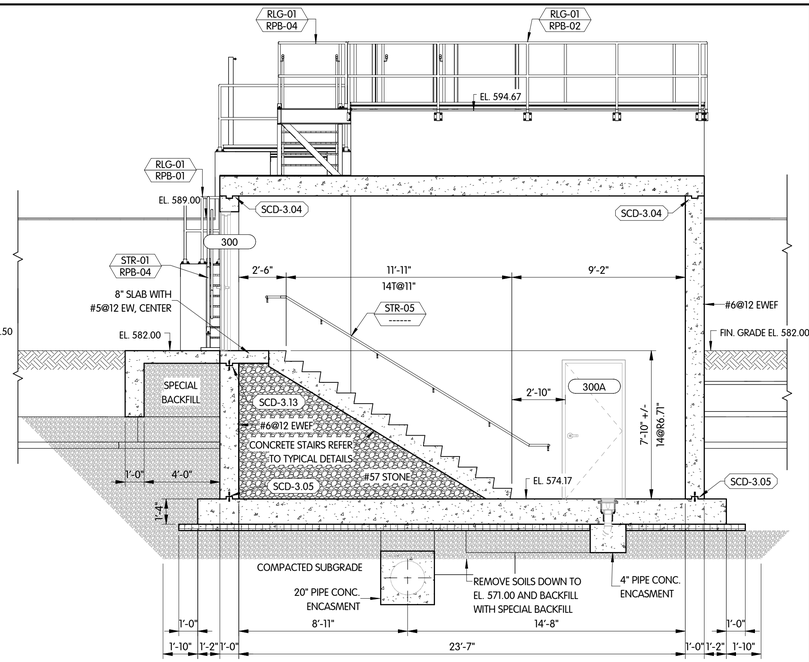
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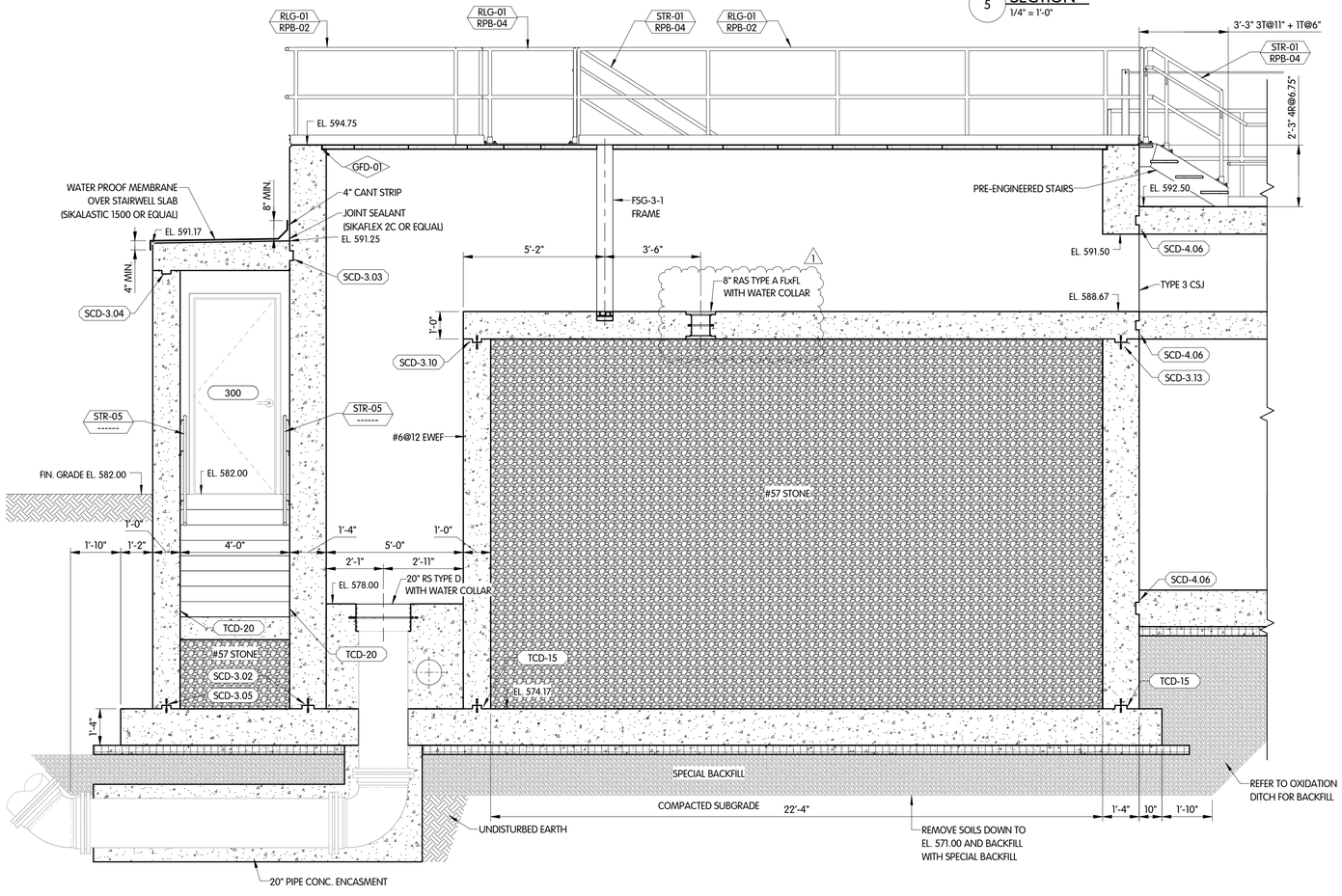
9 SECTION
3/8" = 1'-0"



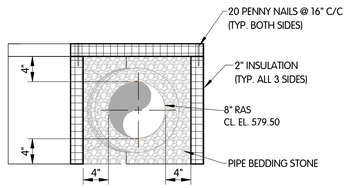
5 SECTION
1/4" = 1'-0"



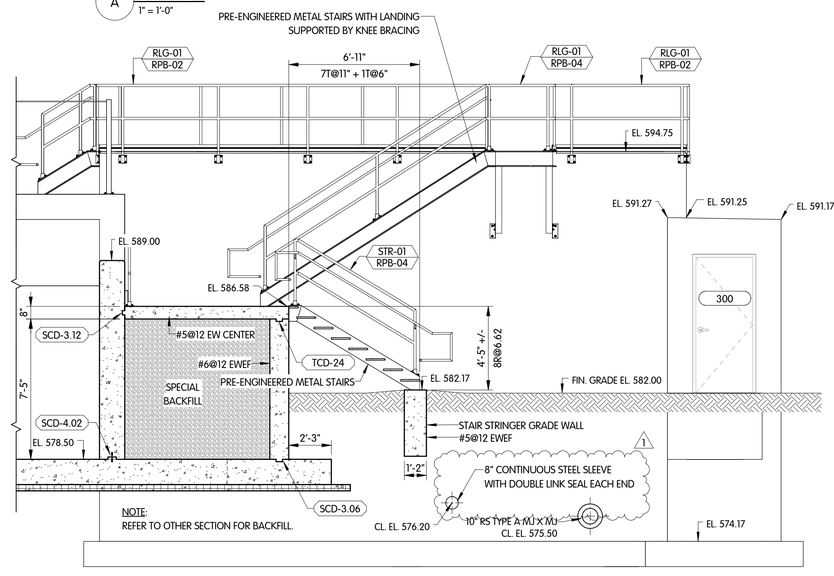
6 SECTION
1/4" = 1'-0"



8 SECTION
3/8" = 1'-0"



A DETAIL
1" = 1'-0"



7 SECTION
1/4" = 1'-0"

GRIT
STRUCTURAL
SECTIONS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/25	ADDENDUM 3	JAH

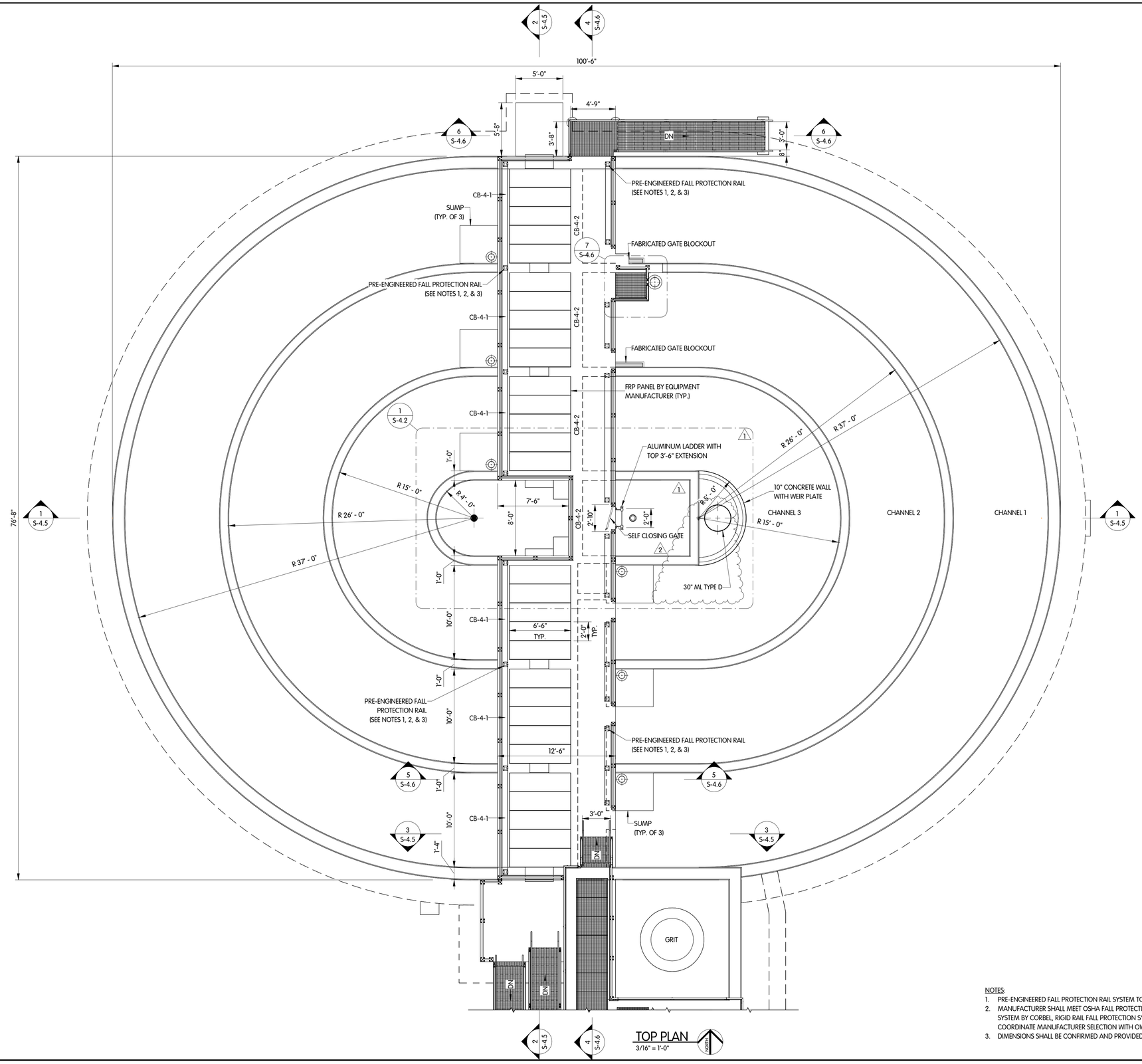
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DATE: AUGUST 2026
SHEET NO.
S-3.3
90 OF 247

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NOTES:

1. PRE-ENGINEERED FALL PROTECTION RAIL SYSTEM TO BE DESIGNED FOR TWO PERSON USE.
2. MANUFACTURER SHALL MEET OSHA FALL PROTECTION REQUIREMENTS TETHER TRACK FALL PROTECTION SYSTEM BY CORBEL, RIGID RAIL FALL PROTECTION SYSTEMS BY SIMPLIFIED SAFETY, OR EQUAL. COORDINATE MANUFACTURER SELECTION WITH OWNER.
3. DIMENSIONS SHALL BE CONFIRMED AND PROVIDED BY MANUFACTURER OF EQUIPMENT.

OXIDATION DITCH
STRUCTURAL
TOP PLAN AND DETAIL

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
2	10/30/12	ADDENDUM 3	JAH
1	10/9/26	ADDENDUM 2	JAH

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JOB NO.: 904-8119.002

SCALE: 3/16" = 1'-0"

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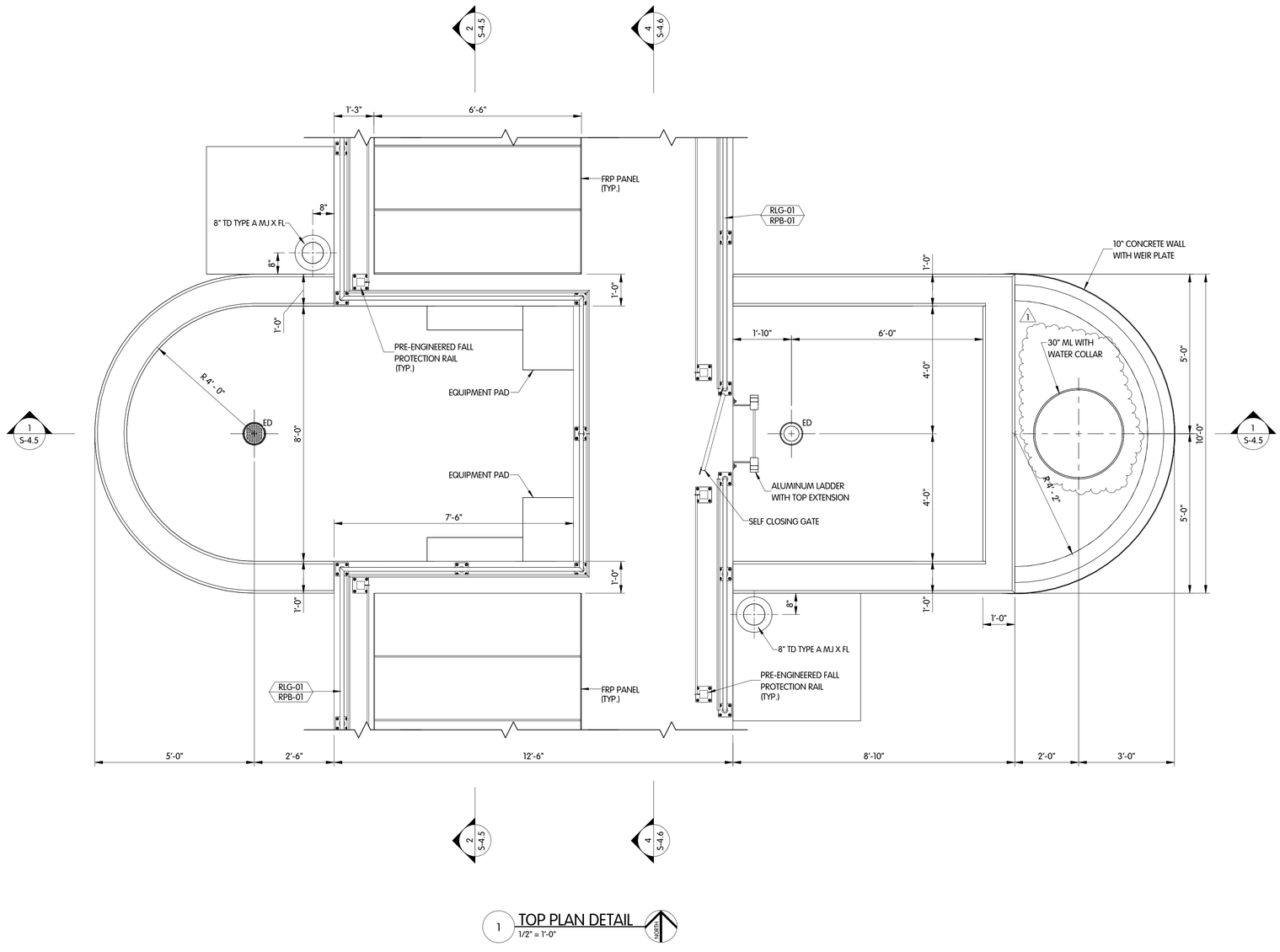
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STATUS: ISSUED FOR RE-BID

DATE: AUGUST 2026

SHEET NO.
S-4.1
92 OF 247

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1 TOP PLAN DETAIL
1/2" = 1'-0"

NOTE:
1. DIMENSIONS SHALL BE CONFIRMED AND PROVIDED BY MANUFACTURER OF EQUIPMENT.

OXIDATION DITCH
STRUCTURAL
TOP PLAN DETAIL

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/26	ADDENDUM 3	JAH

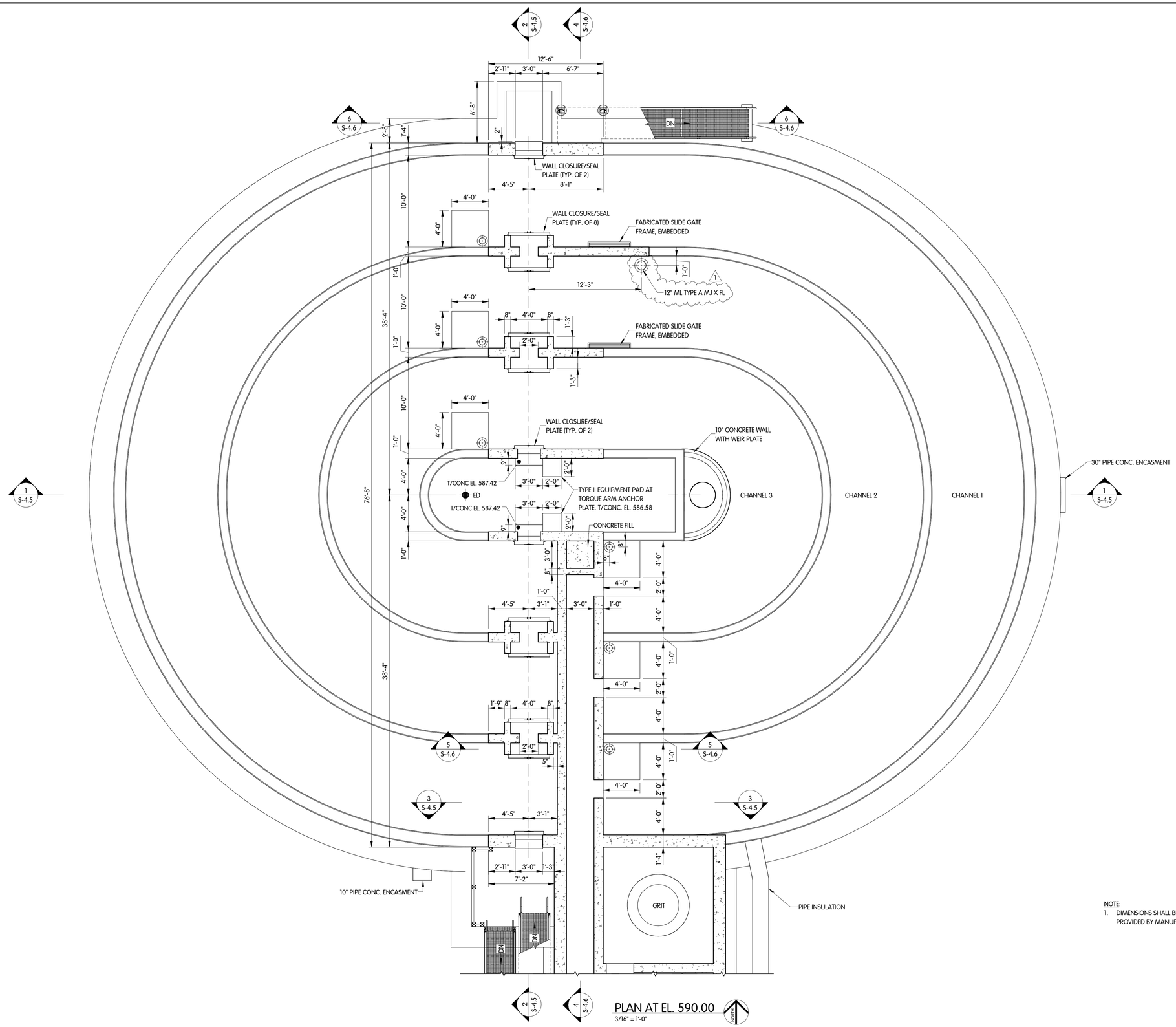
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DRC	RGW	JDN

STATUS: ISSUED FOR RE-BID
DATE: AUGUST 2026
SHEET NO.
S-4.2
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NOTE:
1. DIMENSIONS SHALL BE CONFIRMED AND PROVIDED BY MANUFACTURER OF EQUIPMENT.

OXIDATION DITCH STRUCTURAL PLAN AT EL. 590.00

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/26	ADDENDUM 3	JAH

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JOB NO.: 904-8119.002

SCALE: 3/16" = 1'-0"

THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

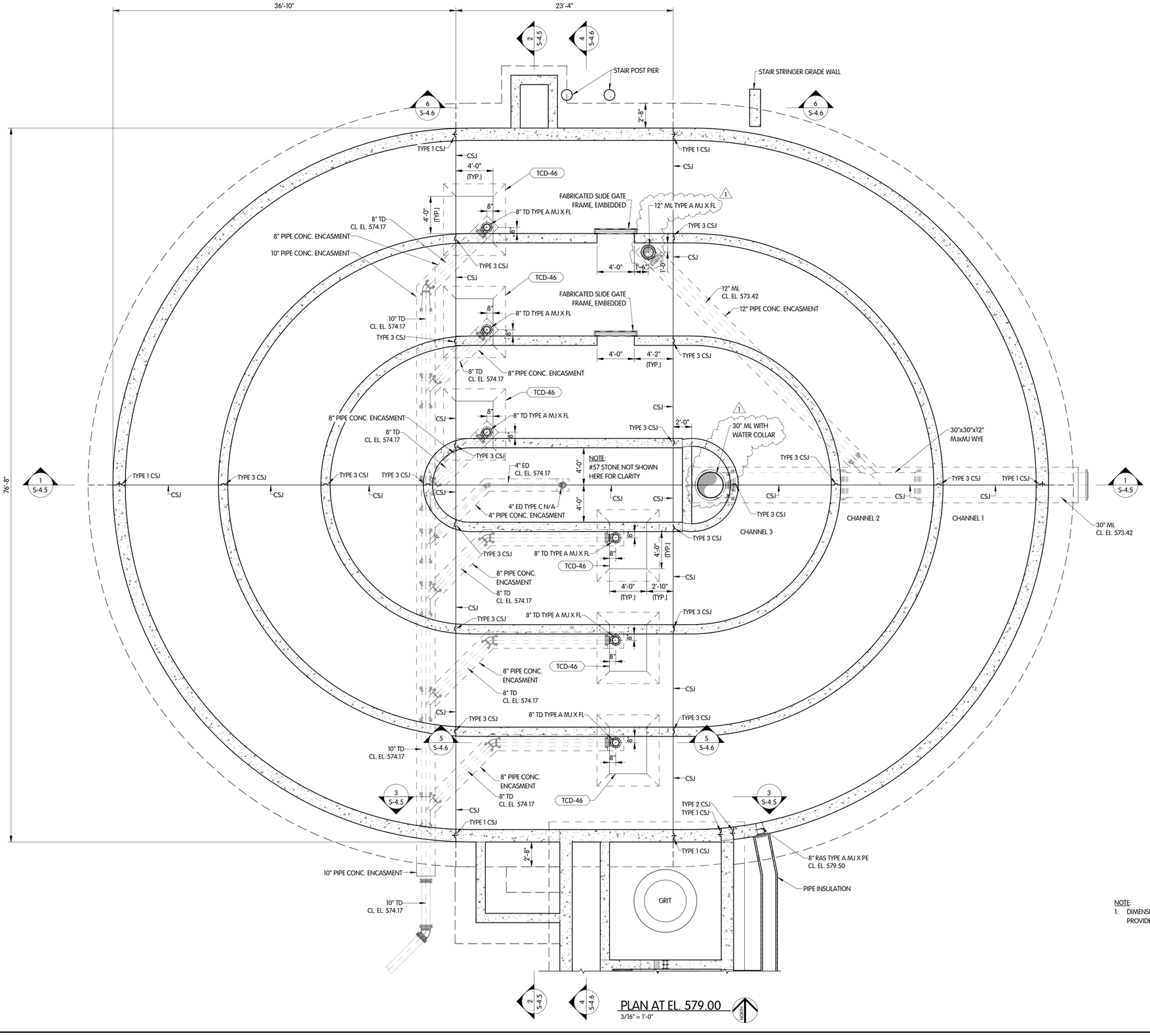
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STATUS: ISSUED FOR RE-BID

DATE: AUGUST 2026

SHEET NO.
S-4.3
94 OF 247

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PLAN AT EL. 579.00

3/16" = 1'-0"

NOTE:
1. DIMENSIONS SHALL BE CONFIRMED AND PROVIDED BY MANUFACTURER OF EQUIPMENT.

OXIDATION DITCH STRUCTURAL PLAN AT EL. 579.00

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/25	ADDENDUM 3	JAH

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JOB NO.:	904-8119.002
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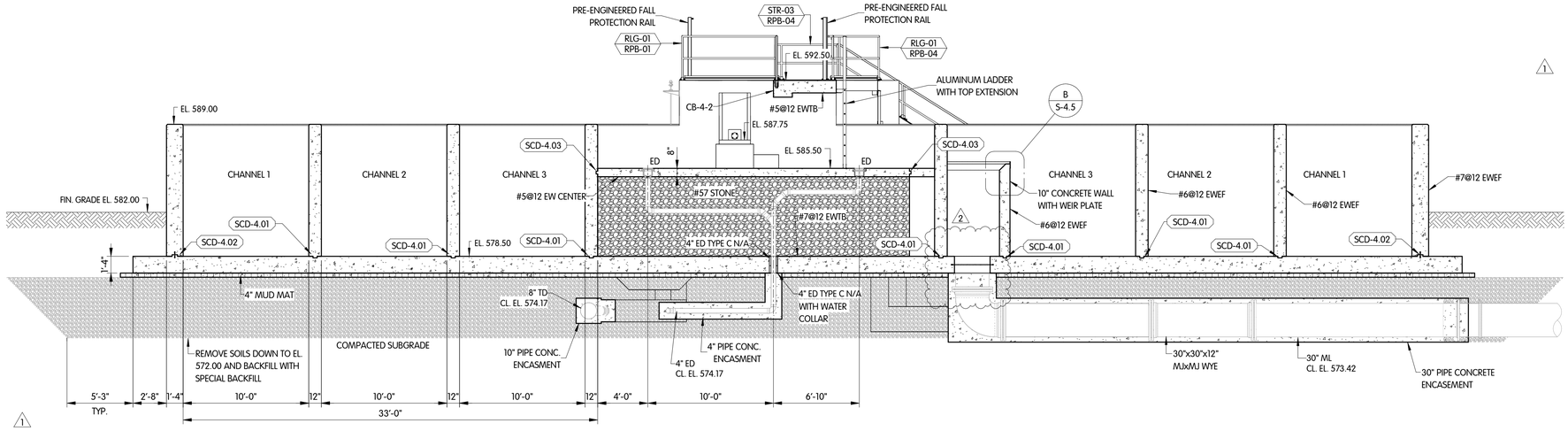
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DRC	RGW	JDN

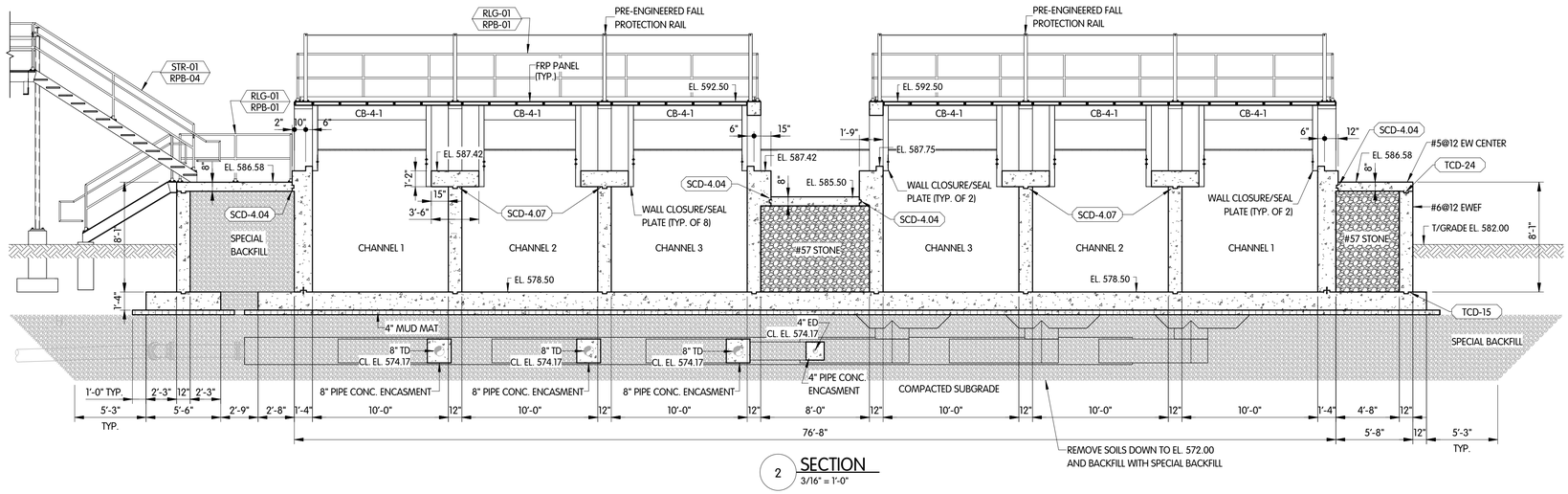
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DATE: AUGUST 2026

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S-4.4
95 OF 247

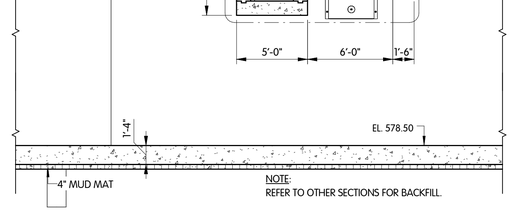
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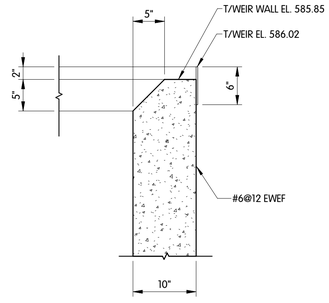
1 SECTION
3/16" = 1'-0"



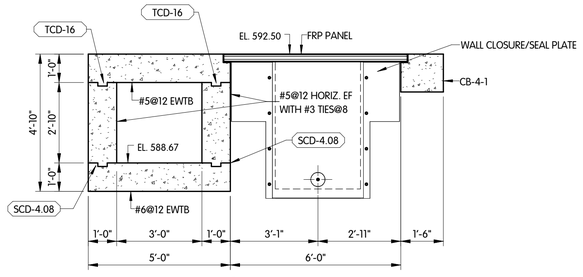
2 SECTION
3/16" = 1'-0"



3 SECTION
3/16" = 1'-0"



B DETAIL
1" = 1'-0"



A DETAIL
3/8" = 1'-0"

NOTE:
1. DIMENSIONS SHALL BE CONFIRMED AND PROVIDED BY MANUFACTURER OF EQUIPMENT.

OXIDATION DITCH
STRUCTURAL
SECTIONS AND DETAILS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
2	10/20/2	ADDENDUM 3	JAH
1	10/9/26	ADDENDUM 2	JAH

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SCALE: AS INDICATED

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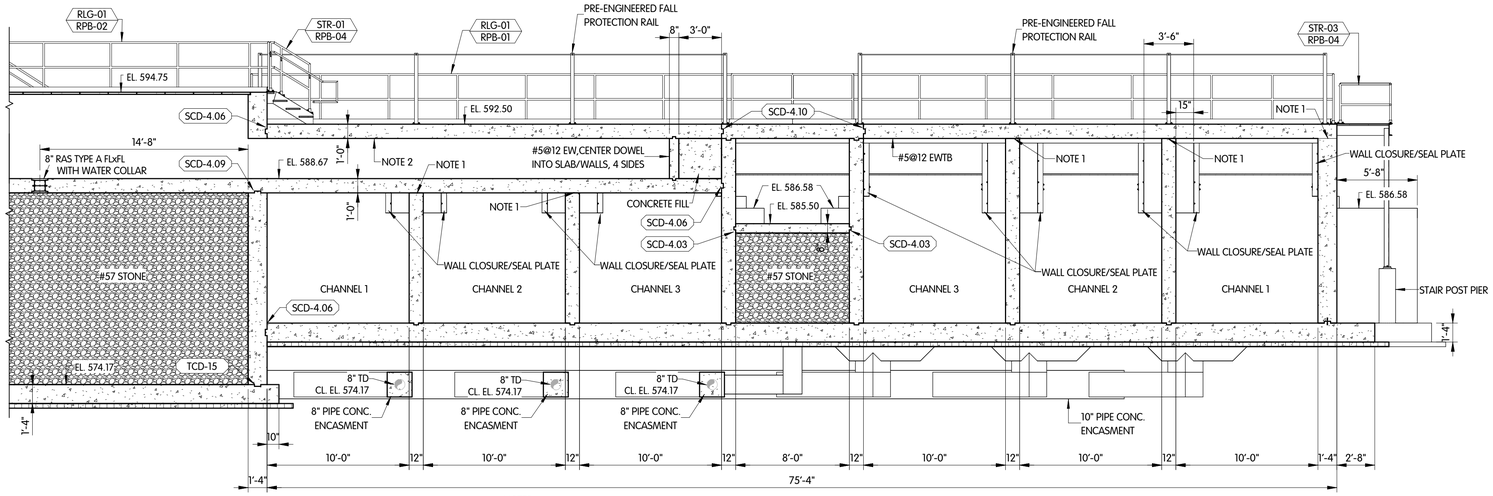
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DRC	RGW	JDN

STATUS: ISSUED FOR RE-BID

DATE: AUGUST 2026

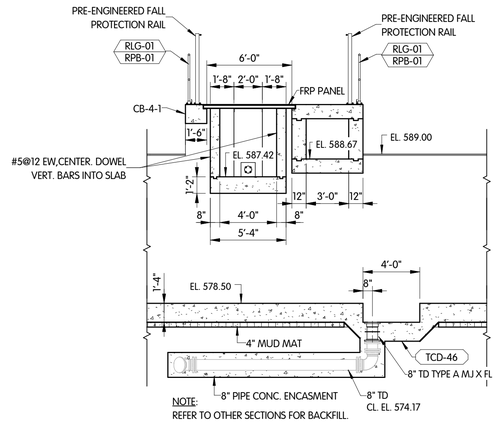
SHEET NO.
S-4.5
96 OF 247

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10/20/2026 8:30:09 AM



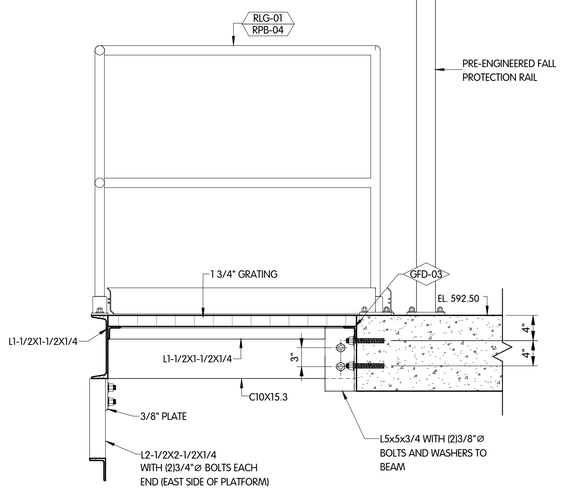
NOTES:
1. TROWEL SMOOTH AND PLACE 10MIL PLASTIC UNDER WALKWAY TO ALLOW WALL TO SLIP (NO KEY OR DOWELS).
2. SACRIFICIAL FORM LINER ON TOP OF FLOW CHANNEL.
3. REFER TO OTHER SECTIONS FOR BACKFILL.

4 SECTION
3/16" = 1'-0"

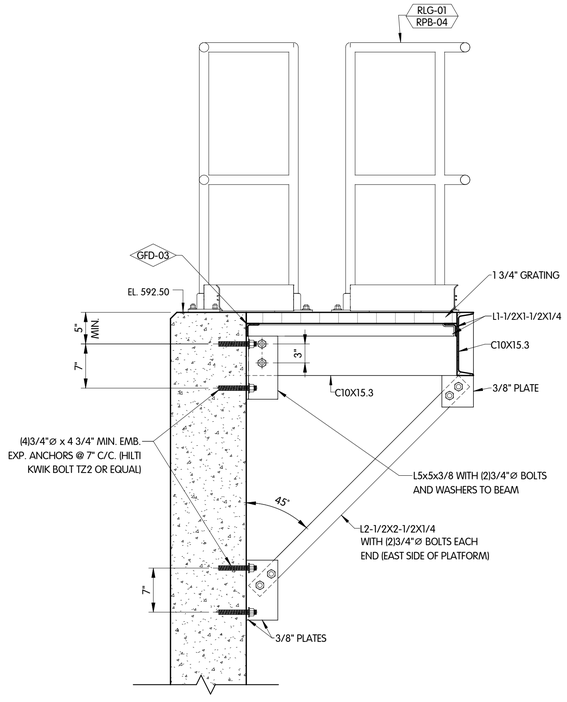


NOTE:
REFER TO OTHER SECTIONS FOR BACKFILL.

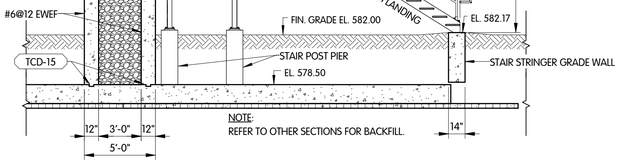
5 SECTION
3/16" = 1'-0"



9 SECTION
1" = 1'-0"

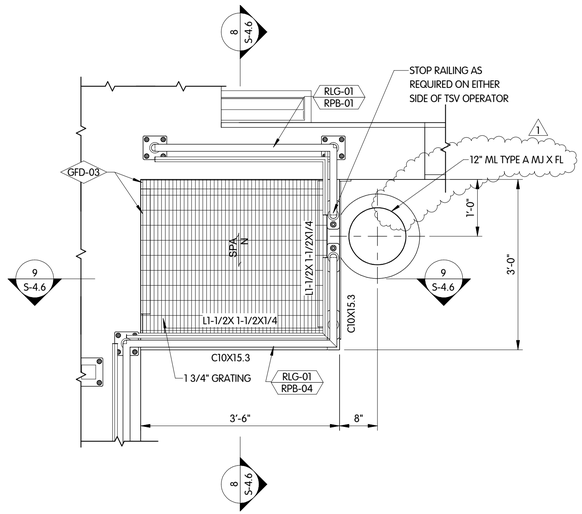


8 SECTION
1" = 1'-0"



NOTE:
REFER TO OTHER SECTIONS FOR BACKFILL.

6 SECTION
3/16" = 1'-0"



7 PARTIAL PLAN
3/4" = 1'-0"

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OXIDATION DITCH
STRUCTURAL
SECTIONS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

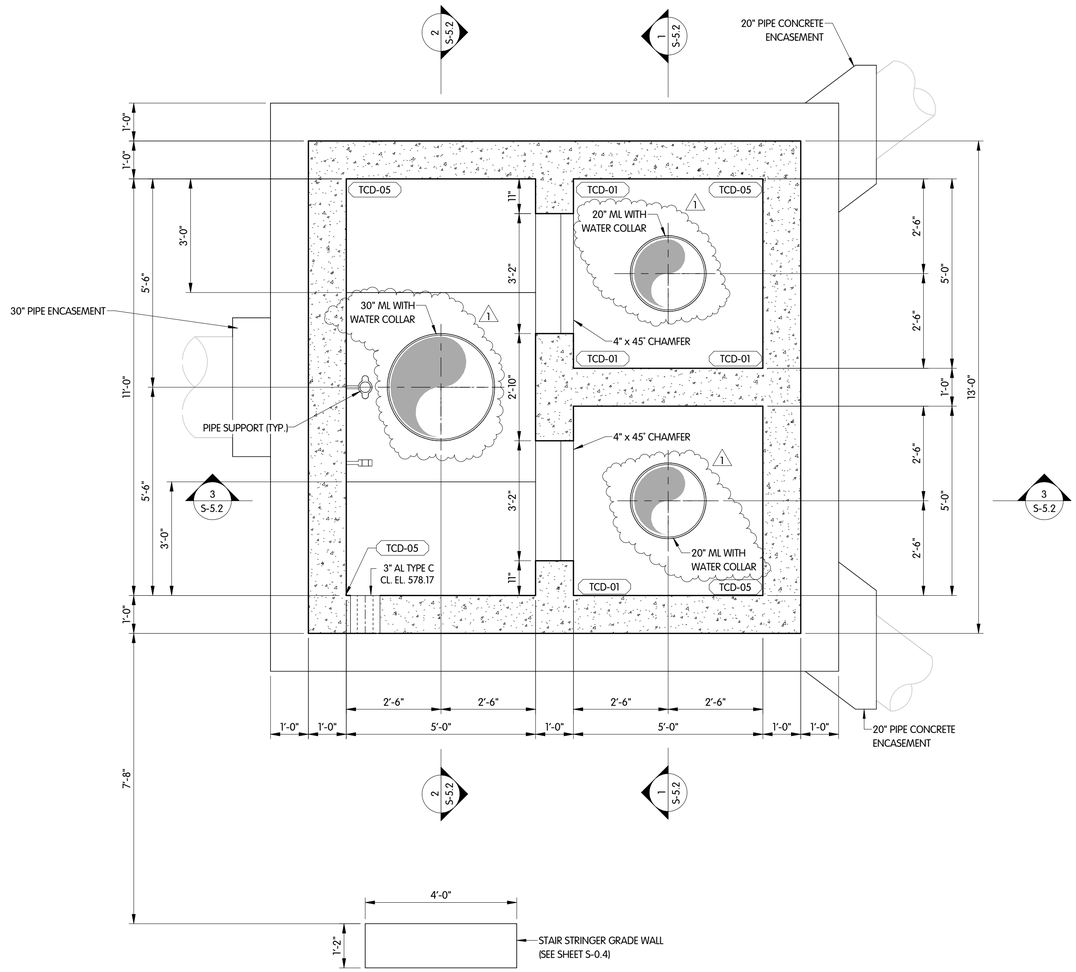
NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/25	ADDENDUM 3	JAH

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SCALE: AS INDICATED
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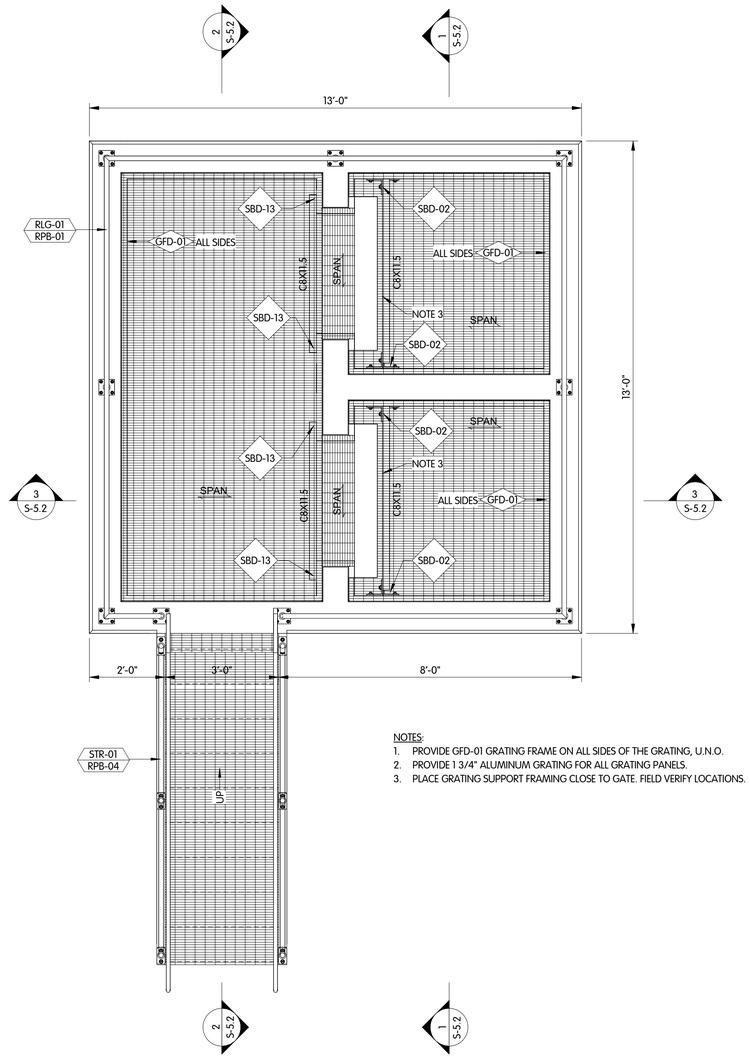
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DRC	RGW	JDN

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SHEET NO.
S-4.6
97 OF 247



PLAN @ EL. 584.50

1/2" = 1'-0"



NOTES:

1. PROVIDE GFD-01 GRATING FRAME ON ALL SIDES OF THE GRATING, U.N.O.
2. PROVIDE I 3/4" ALUMINUM GRATING FOR ALL GRATING PANELS.
3. PLACE GRATING SUPPORT FRAMING CLOSE TO GATE. FIELD VERIFY LOCATIONS.

TOP PLAN

1/2" = 1'-0"

SPLITTER STRUCTURAL PLANS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/26	ADDENDUM 3	JAH

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SCALE: 1/2" = 1'-0"

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DESIGNED	DRAWN	CHECKED
JDN	RGW	JDN

STATUS: ISSUED FOR RE-BID

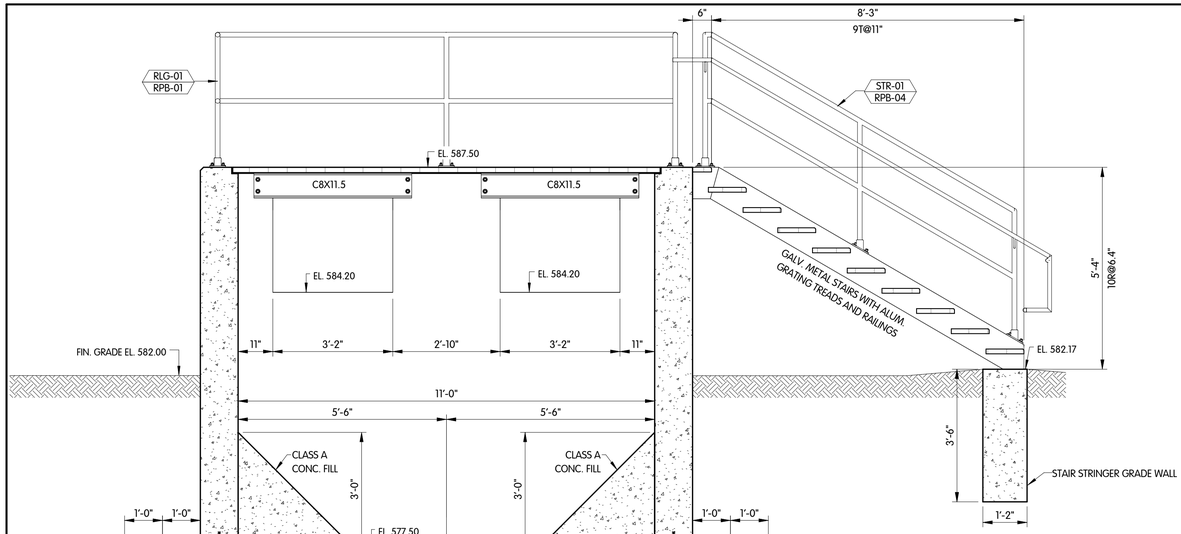
DATE: AUGUST 2026

SHEET NO.

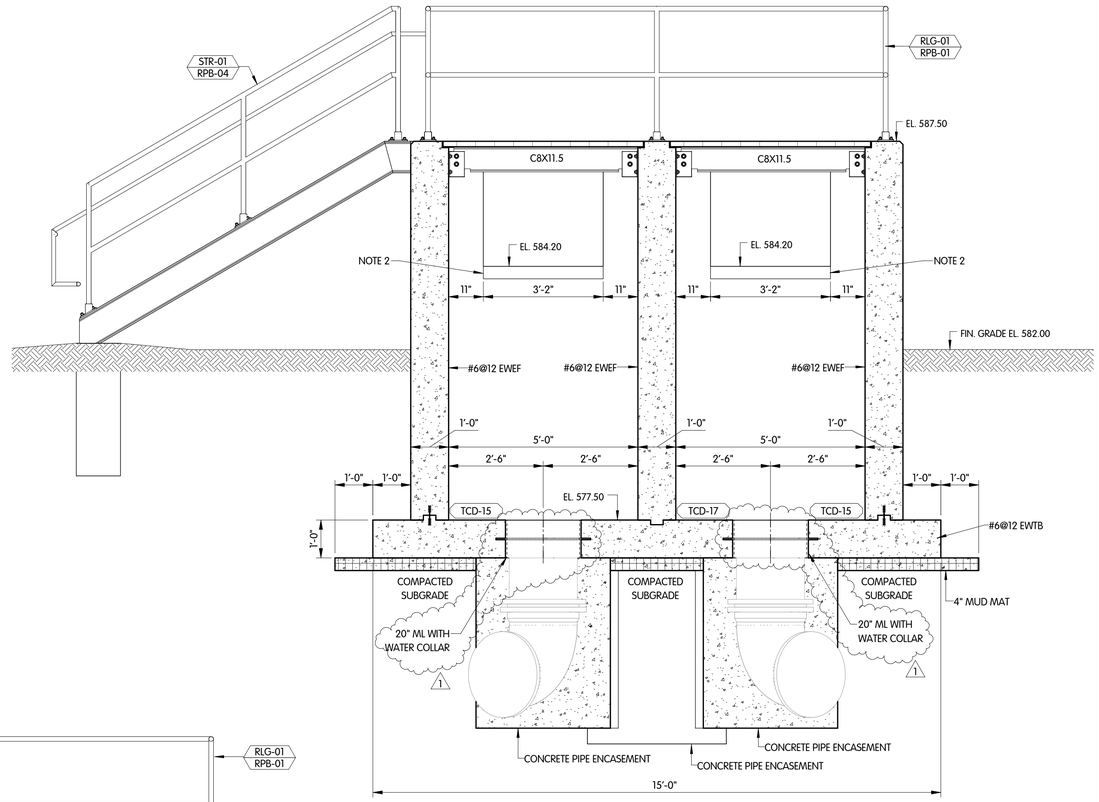
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99 OF 247

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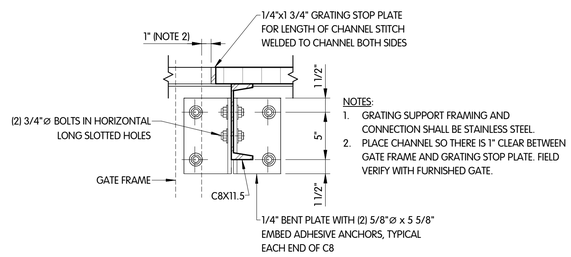
2 SECTION
1/2" = 1'-0"



NOTES:
1. REFER TO THIS SECTION FOR REINFORCING, U.N.O.
2. PROVIDE (2) #6 EF DIAGONAL BARS AT BOTTOM CORNERS OF OPENING.

1 SECTION
1/2" = 1'-0"

3 SECTION
1/2" = 1'-0"



NOTES:
1. GRATING SUPPORT FRAMING AND CONNECTION SHALL BE STAINLESS STEEL.
2. PLACE CHANNEL SO THERE IS 1" CLEAR BETWEEN GATE FRAME AND GRATING STOP PLATE. FIELD VERIFY WITH FURNISHED GATE.

A DETAIL
1 1/2" = 1'-0"

SPLITTER STRUCTURAL SECTIONS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/25	ADDENDUM 3	JAH

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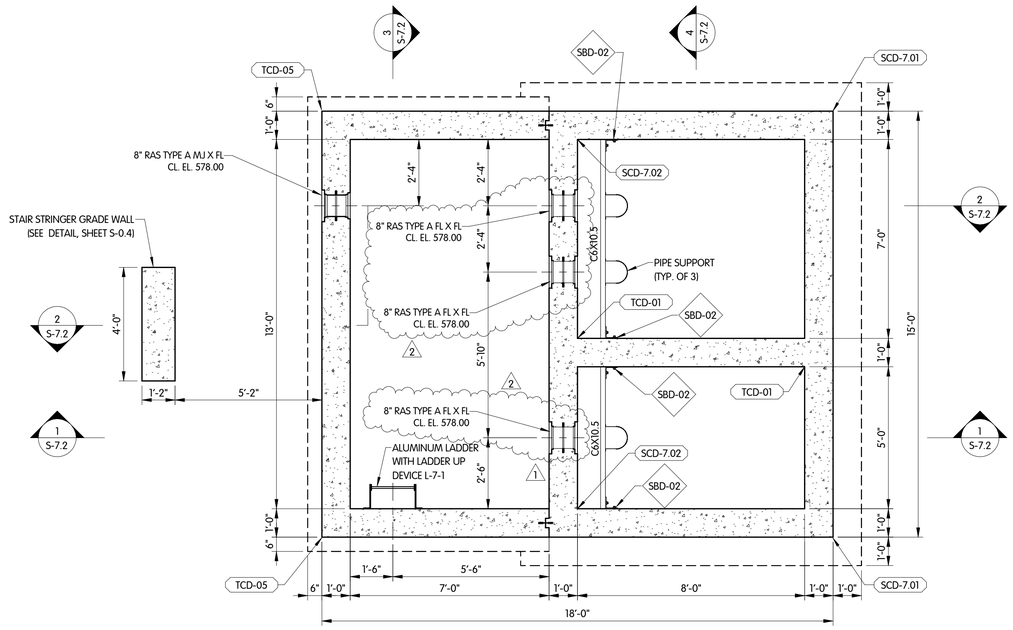
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JDN	RGW	JDN

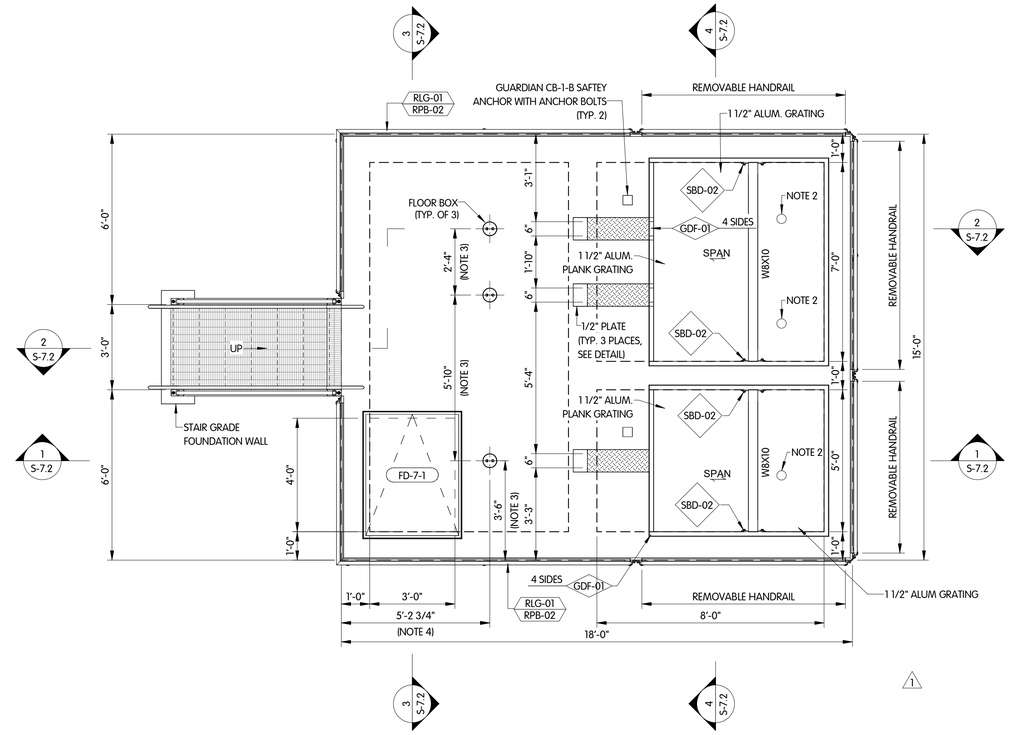
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DATE: AUGUST 2026

SHEET NO.
S-5.2
100 OF 247

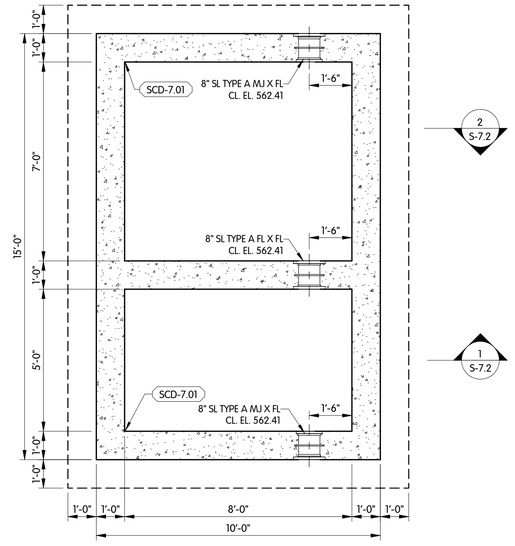
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PLAN @ EL. 578.00
3/8" = 1'-0"



TOP PLAN
3/8" = 1'-0"



PLAN @ EL. 566.00
3/8" = 1'-0"

NOTES:
1. PROVIDE BANDED 4" HOLE THROUGH GRATING AT OPERATING NUT AND VALVE STEM LOCATIONS.
2. LOCATE FLOOR BOX IN THE FIELD AFTER VALVE LOCATION IS KNOWN.

RAS PUMP STATION
STRUCTURAL
PLANS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
2	10/30/2	ADDENDUM 3	JAH
1	10/8/26	ADDENDUM 2	JAH

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JOB NO.: 904-8119.002

SCALE: 3/8" = 1'-0"

THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

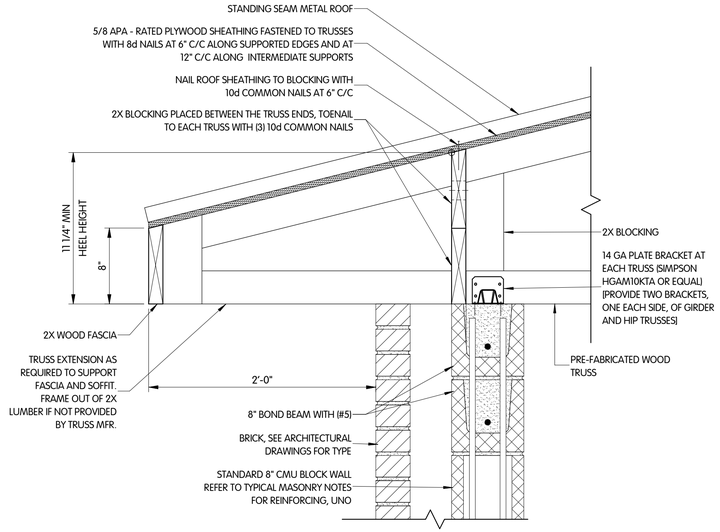
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JDN	RGW	JDN

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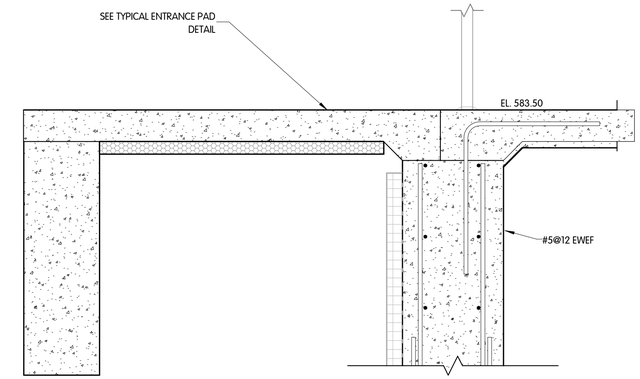
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S-7.1
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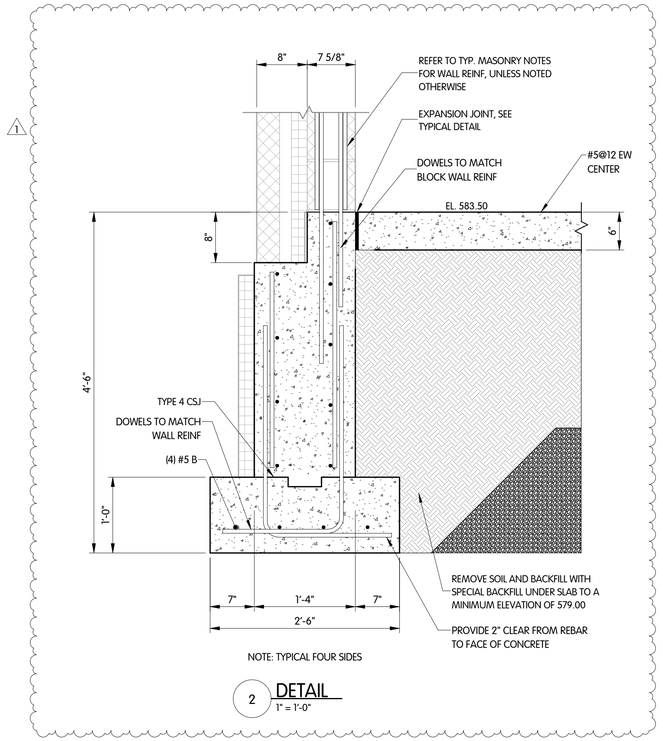
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3 WALL/TRUSS CONNECTION DETAIL
1 1/2" = 1'-0"



1 DETAIL
1" = 1'-0"



NOTE: TYPICAL FOUR SIDES

2 DETAIL
1" = 1'-0"

ELECTRICAL BUILDING
STRUCTURAL
DETAILS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
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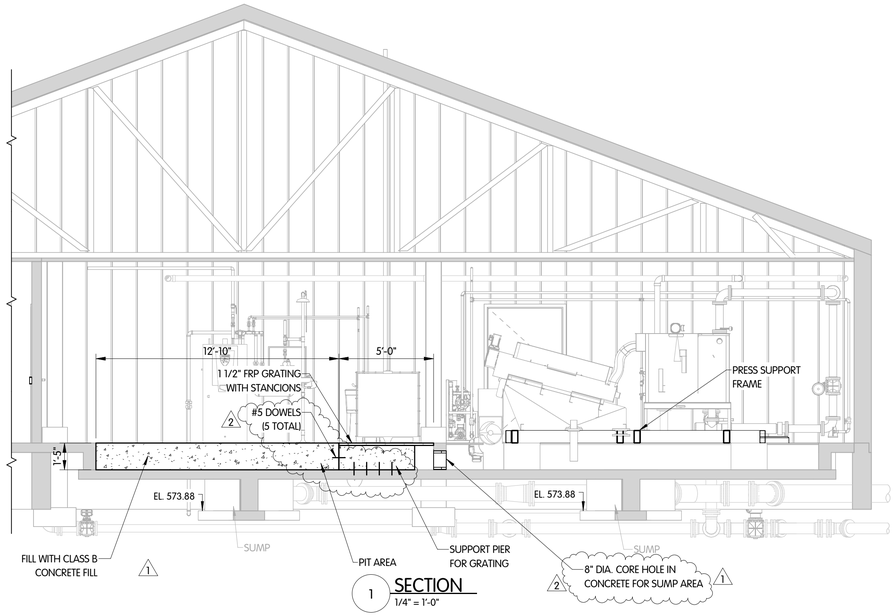
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JDN	RGW	JDN

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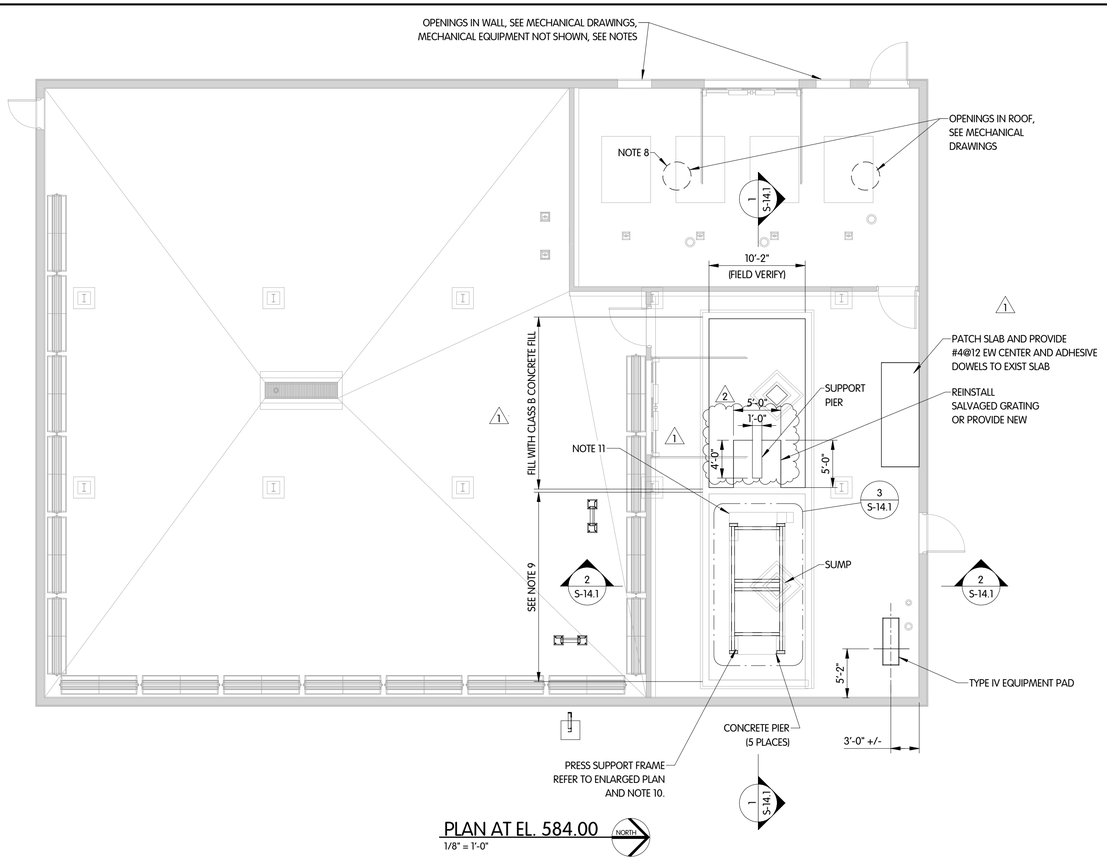
DATE: AUGUST 2026

SHEET NO.
S-10.2
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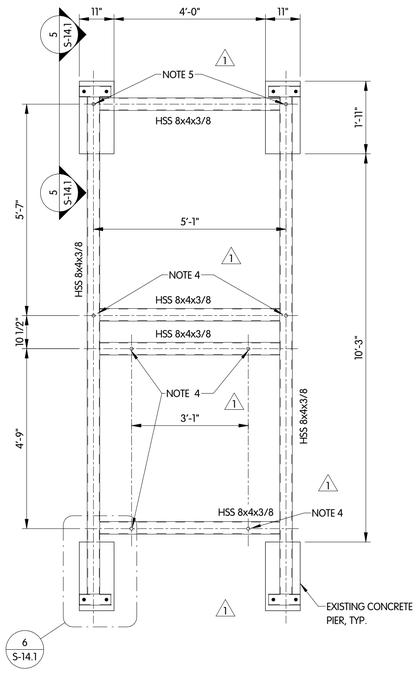
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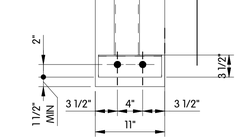
1 SECTION
1/4" = 1'-0"



PLAN AT EL. 584.00
1/8" = 1'-0"

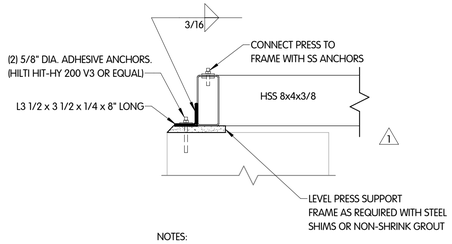


3 ENLARGED PRESS PLAN VIEW
1/2" = 1'-0"



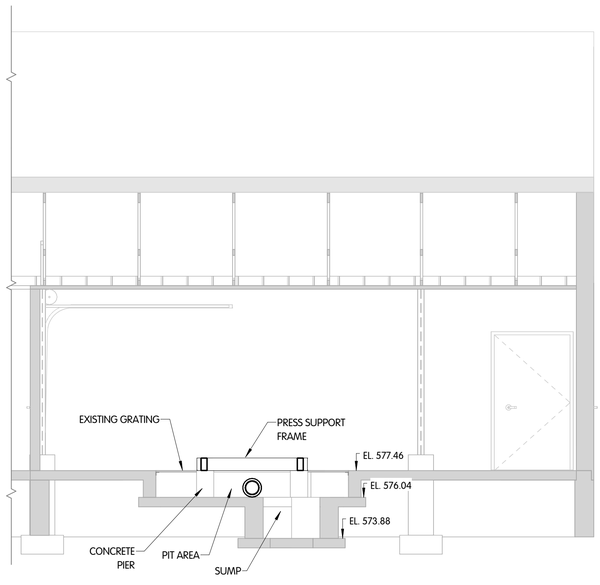
NOTE: TYPICAL OF ALL (4) SIDES

6 DETAIL
1" = 1'-0"



NOTES:
1. TYPICAL OF ALL (4) CORNERS
2. ALL MATERIALS ARE STAINLESS STEEL

5 SECTION
1" = 1'-0"



2 SECTION
1/4" = 1'-0"

NOTES:
1. FIELD VERIFY THE PIER LOCATIONS AND SIZES.
2. DIMENSIONS ARE APPROXIMATE. ADJUST TO PRESS MANUFACTURER REQUIRED DIMENSIONS.
3. PROVIDE FULL-PENETRATION TUBE TO TUBE WELDED STAINLESS STEEL SUPPORT FRAME. GRIND WELDS SMOOTH.
4. ANCHOR PRESS ATTACHMENT POINTS TO TUBE FRAME WITH SS THROUGH BOLTS. (TYP 6 LOCATIONS). ANCHOR LOCATIONS TO BE VERIFIED BY THE PRESS MANUFACTURER.
5. ANCHOR PRESS ATTACHMENT POINTS TO TUBE FRAME WITH SS BOLTS. (TYP 2 LOCATIONS). USE THE END OF THE TUBE AS ACCESS POINT FOR BOLT INSTALLATION. ANCHOR LOCATIONS TO BE VERIFIED BY THE PRESS MANUFACTURER.

BLOWER BUILDING
STRUCTURAL
PLAN AND SECTIONS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	BY
1	10/9/26 ADDENDUM 2	JAH
2	10/30/26 ADDENDUM 3	JAH

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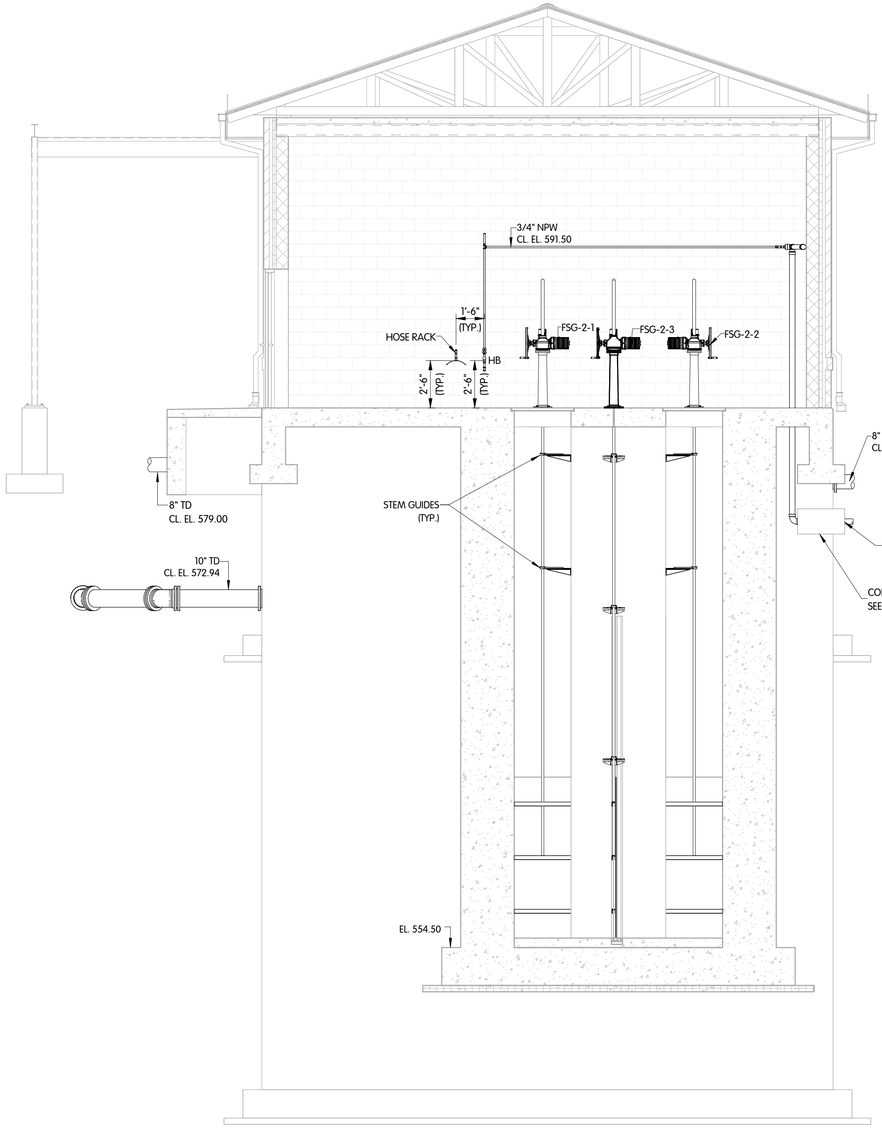
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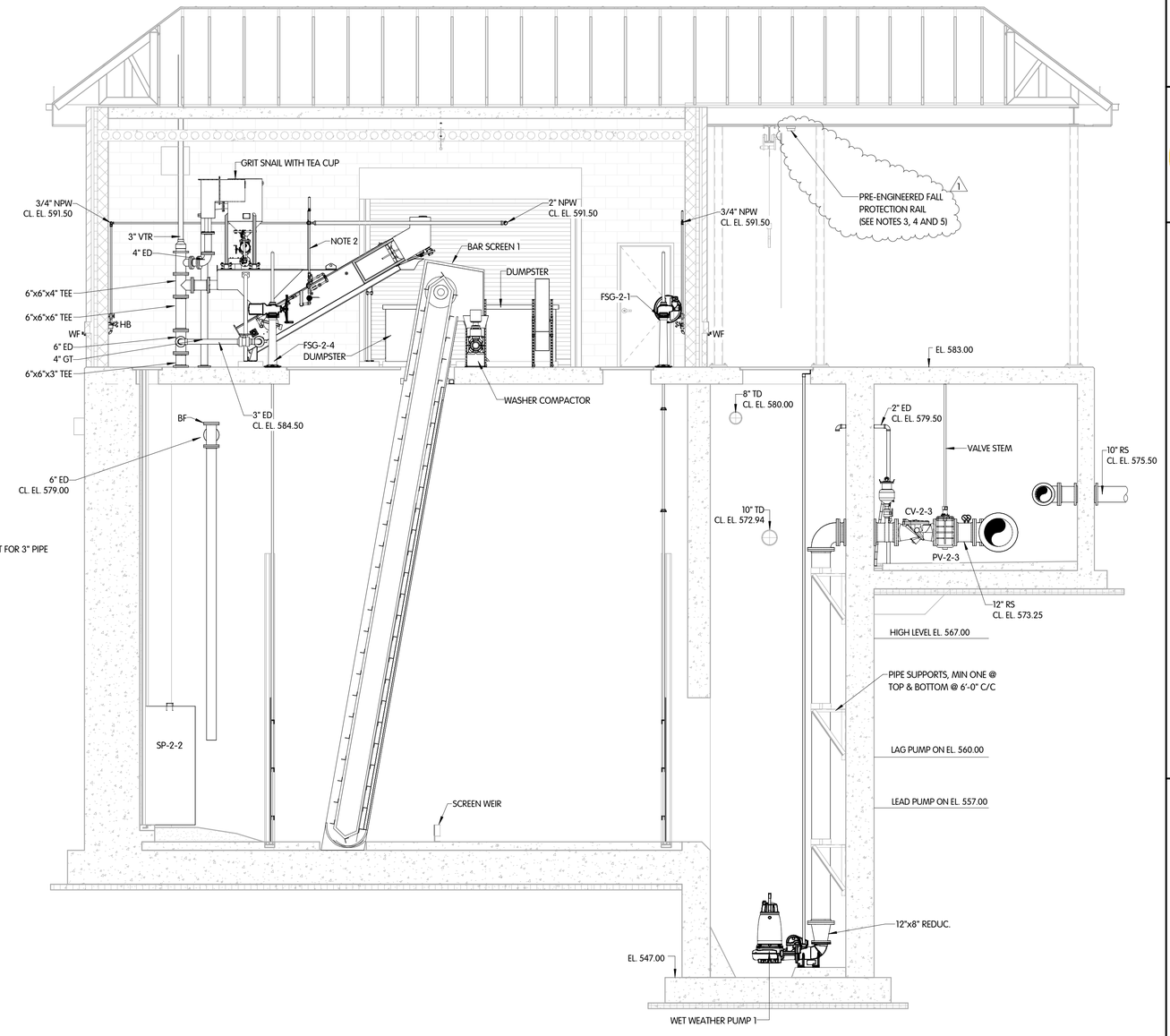
DESIGNED	DRAWN	CHECKED
RRP	RGW	PDM

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DATE: AUGUST 2026
SHEET NO.
S-14.1
121 OF 247

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4 SECTION
1/4" = 1'-0"



3 SECTION
1/4" = 1'-0"

NOTES:
1. 1" NPW AT CEILING, DROP TO WASHER COMPACTOR TO BE 6'-0" A.F. WITH S.S. BALL VALVE, COORDINATE LOCATION WITH EQUIPMENT MANUFACTURER. PROVIDE FLEXIBLE RUBBER PRESSURE PIPE WITH S.S. CONNECTORS (HYDRAULIC LINE) FOR CONNECTION TO SCREEN UNIT TO WATER LINE.
2. 3/4" NPW AT CEILING, DROP TO GRIT SNAIL WITH 3/4" BALL VALVE. COORDINATE LOCATION WITH EQUIPMENT MANUFACTURER. PROVIDE FLEXIBLE RUBBER PRESSURE HOSE (HYDRAULIC LINE) FOR CONNNECTION TO UNIT.
3. PRE-ENGINEERED FALL PROTECTION RAIL SYSTEM TO BE DESIGNED FOR TWO PERSON USE.
4. MANUFACTURER SHALL MEET OSHA FALL PROTECTION REQUIREMENTS SUGGESTED MANUFACTURES ARE TETHER TRACK FALL PROTECTION SYSTEM BY CORBEL, RIGID RAIL FALL PROTECTION SYSTEMS BY SIMPLIFIED SAFETY, OR EQUAL COORDINATE MANUFACTURER SELECTION WITH OWNER.
5. LOCATION OF FALL PROTECTION RAIL SYSTEM TO BE COORDINATED WITH HOIST MONORAIL SYSTEM TO PROVIDE SUFFICIENT CLEARANCE WITH POWERED TROLLEY HOIST.

1

HEADWORKS BUILDING PIPING & EQUIPMENT SECTIONS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/20/26	ADDENDUM 3	JAH

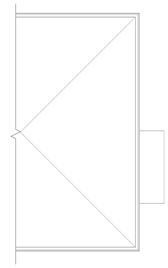
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SCALE: 1/4" = 1'-0"
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JAH	RGW	PAL

STATUS: ISSUED FOR RE-BID
DATE: AUGUST 2026
SHEET NO.
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131 OF 247

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ADMINISTRATION/MAINTENANCE

OVERALL PLAN
1/8" = 1'-0"

1

NOTES:

1. PRE-ENGINEERED FALL PROTECTION RAIL SYSTEM TO BE DESIGNED FOR TWO PERSON USE.
2. MANUFACTURER SHALL MEET OSHA FALL PROTECTION REQUIREMENTS SUGGESTED MANUFACTURES ARE TETHER TRACK FALL PROTECTION SYSTEM BY CORBEL, RIGID RAIL FALL PROTECTION SYSTEMS BY SIMPLIFIED SAFETY, OR EQUAL COORDINATE MANUFACTURER SELECTION WITH OWNER.
3. LOCATION OF FALL PROTECTION RAIL SYSTEM TO BE COORDINATED WITH HOIST MONORAIL SYSTEM TO PROVIDE SUFFICIENT CLEARANCE WITH POWERED TROLLEY HOIST.

GRIT/OXIDATION DITCH
PIPING & EQUIPMENT
OVERALL PLAN

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	BY
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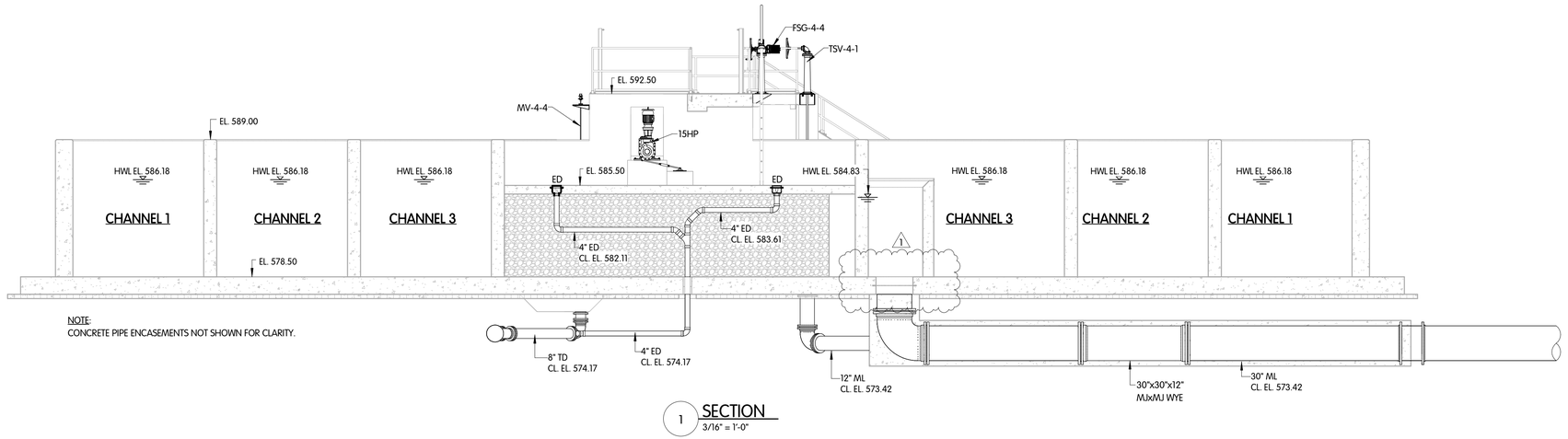
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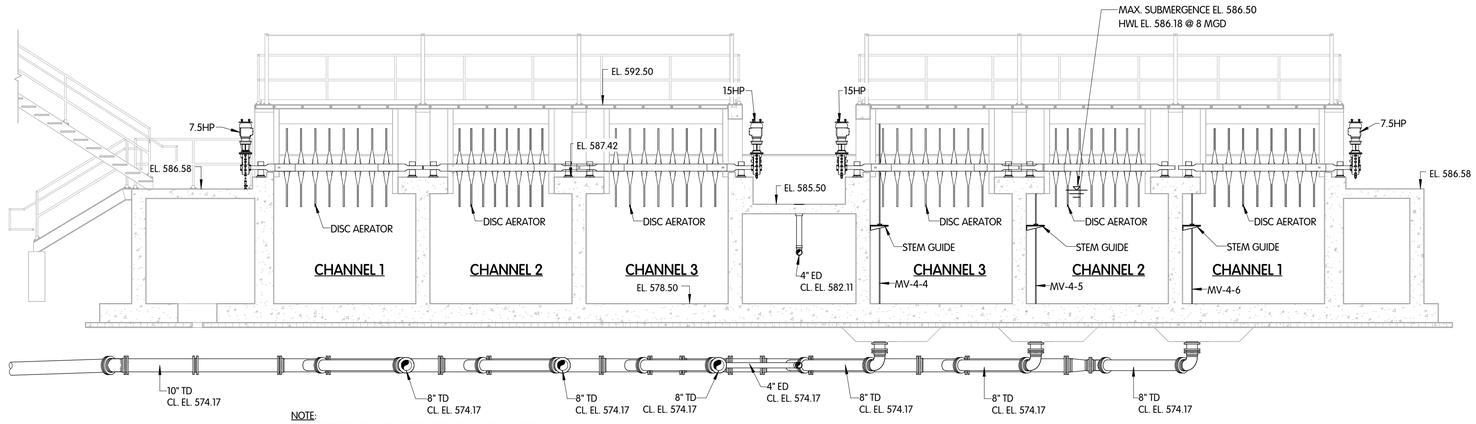
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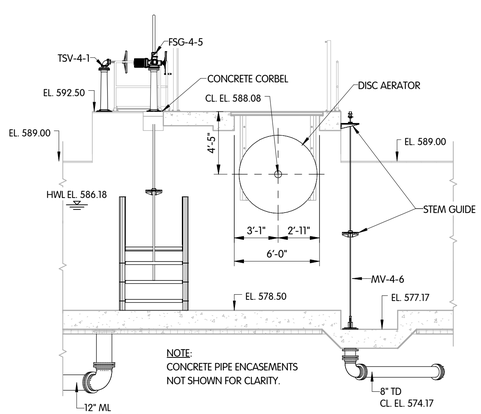


1 SECTION
3/16" = 1'-0"



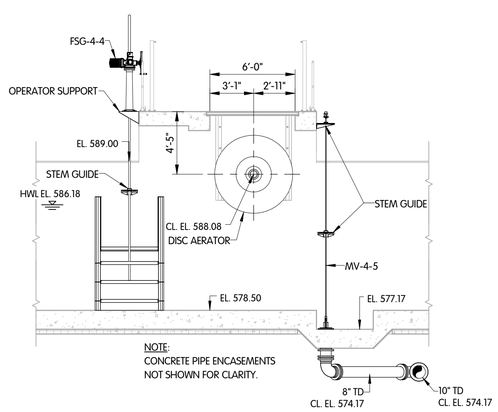
NOTE:
CONCRETE PIPE ENCASEMENTS NOT SHOWN FOR CLARITY.

2 SECTION
3/16" = 1'-0"



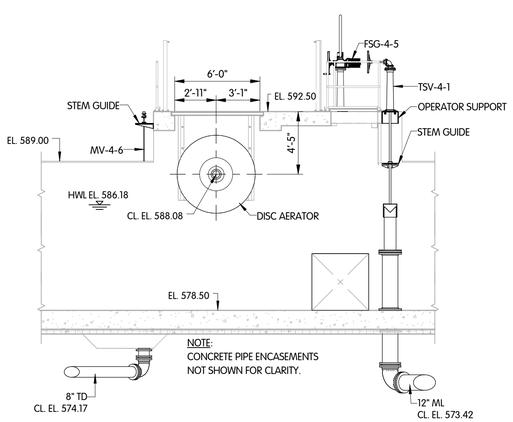
NOTE:
CONCRETE PIPE ENCASEMENTS
NOT SHOWN FOR CLARITY.

6 SECTION
3/16" = 1'-0"



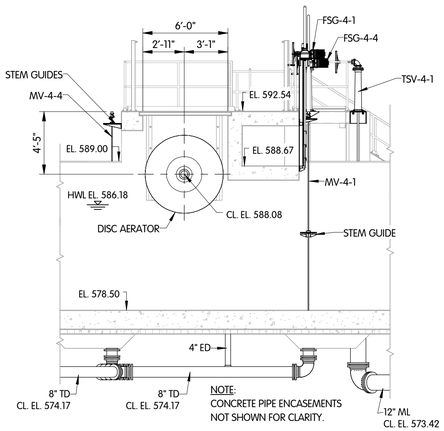
NOTE:
CONCRETE PIPE ENCASEMENTS
NOT SHOWN FOR CLARITY.

5 SECTION
3/16" = 1'-0"



NOTE:
CONCRETE PIPE ENCASEMENTS
NOT SHOWN FOR CLARITY.

4 SECTION
3/16" = 1'-0"



NOTE:
CONCRETE PIPE ENCASEMENTS
NOT SHOWN FOR CLARITY.

3 SECTION
3/16" = 1'-0"

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OXIDATION DITCH
PIPING & EQUIPMENT
SECTIONS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/26	ADDENDUM 3	JAH

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SCALE: 3/16" = 1'-0"

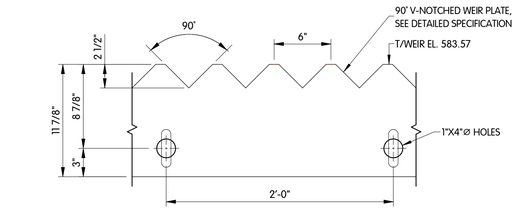
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DESIGNED	DRAWN	CHECKED
JAH	RGW	PAL

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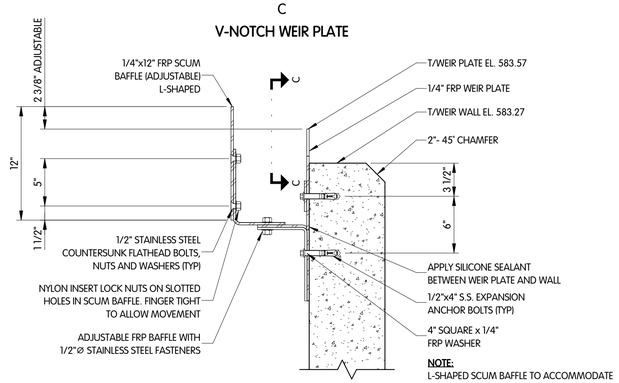
DATE: AUGUST 2026

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PE-4.2



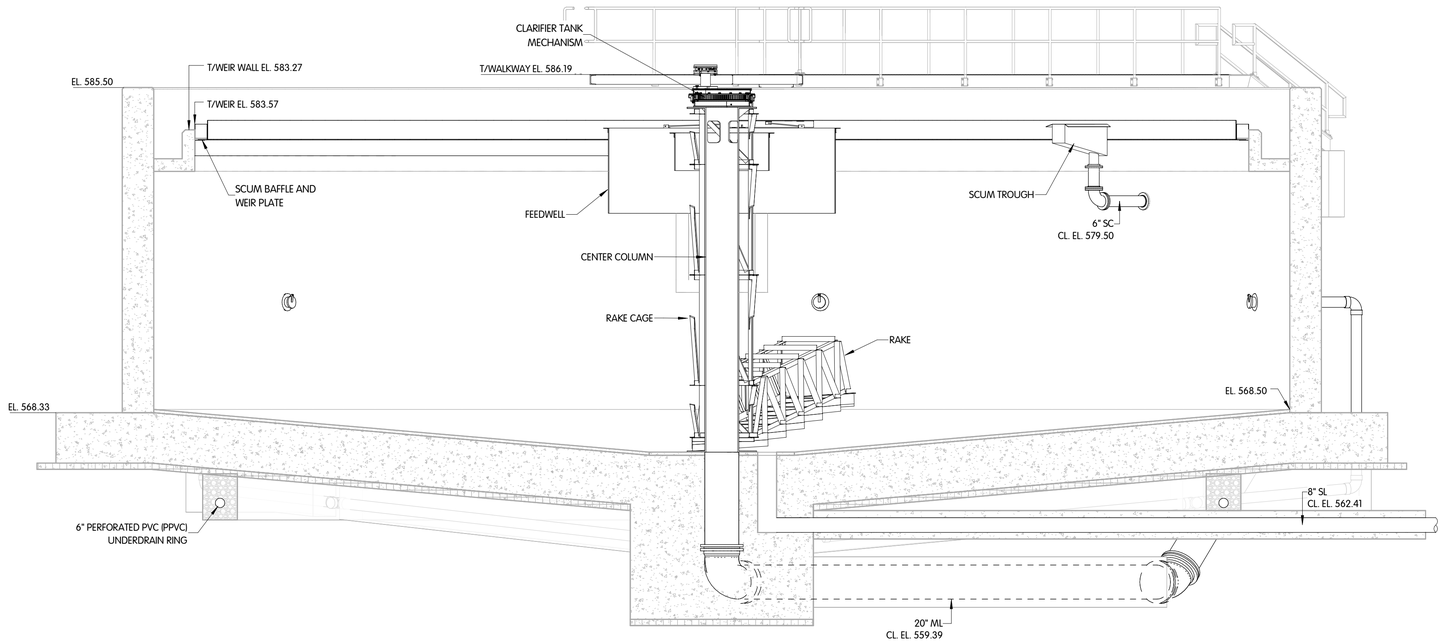
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V-NOTCH WEIR PLATE

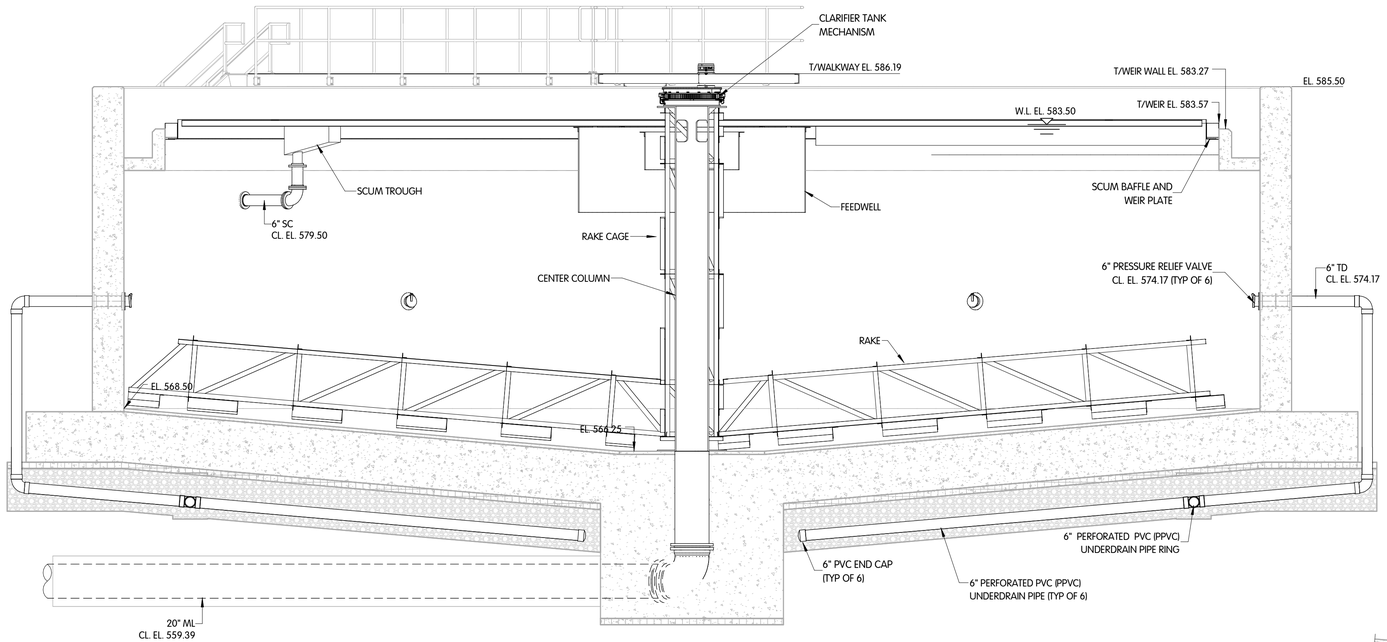


NOTE:
L-SHAPED SCUM BAFFLE TO ACCOMMODATE ALGAE SWEEP MECHANISM.

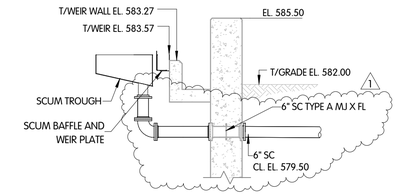
A SCUM BAFFLE & WEIR PLATE DETAIL
1 1/2" = 1'-0"



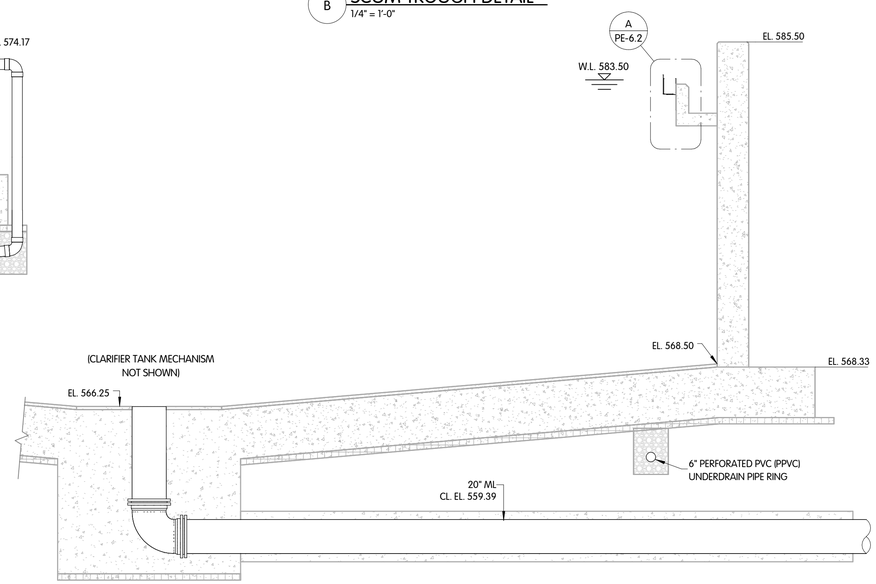
1 SECTION
1/4" = 1'-0"



2 SECTION
1/4" = 1'-0"



B SCUM TROUGH DETAIL
1/4" = 1'-0"



3 SECTION
1/4" = 1'-0"

CLARIFIER I
PIPING & EQUIPMENT
SECTIONS AND DETAIL

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/2	ADDENDUM 3	JAH

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JOB NO.: 904-8119.002

SCALE: AS INDICATED

THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

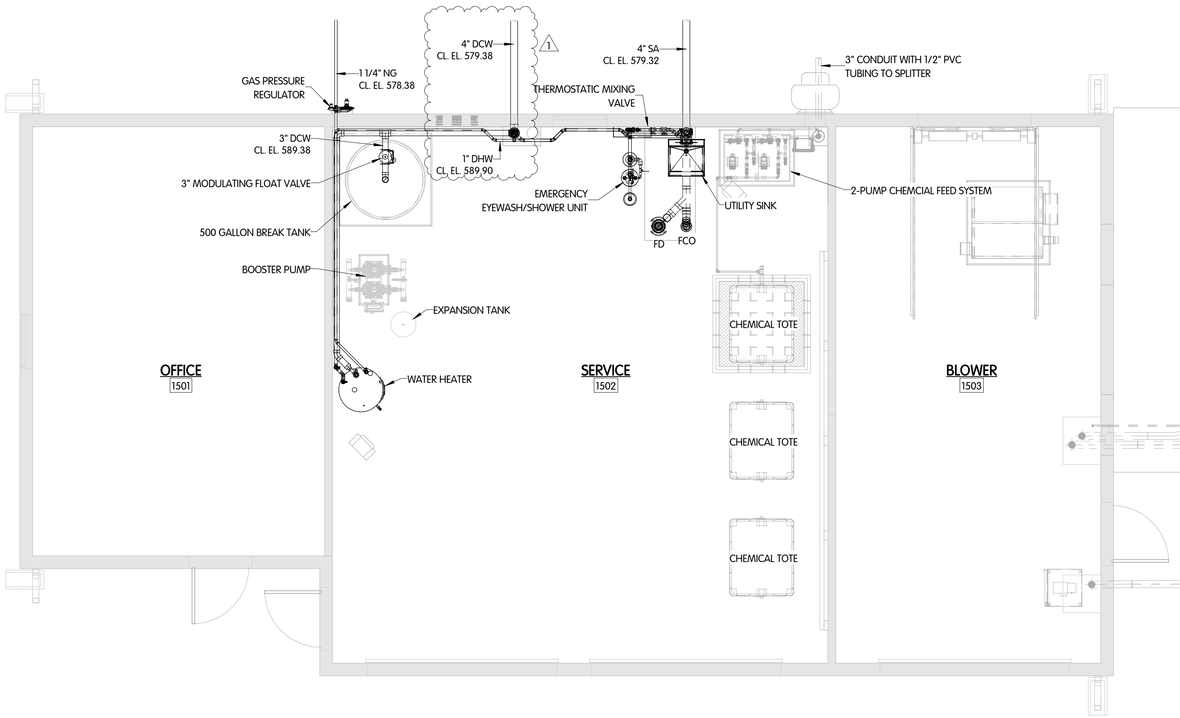
DESIGNED	DRAWN	CHECKED
JAH	RGW	PAL

STATUS: ISSUED FOR RE-BID

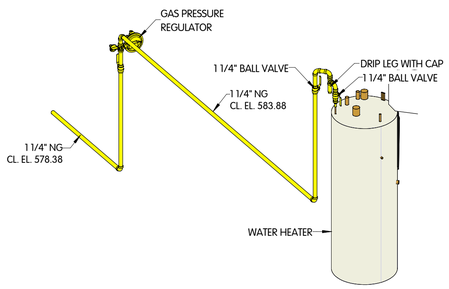
DATE: AUGUST 2026

SHEET NO.
PE-6.2
146 OF 247

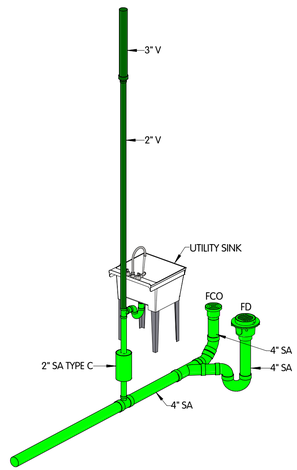
C:\Users\RGW\AppData\Local\Temp\Documents\8119002.RM_JRELLS2925.rvt
10/29/2026 12:33:56 PM



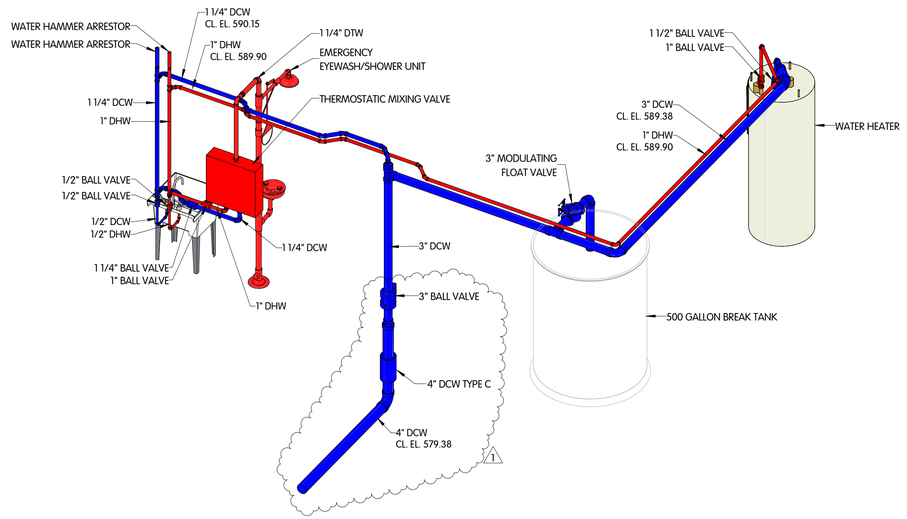
PLAN AT EL. 592.00
1/4" = 1'-0"



NATURAL GAS ISOMETRIC
NTS



SANITARY ISOMETRIC
NTS



WATER ISOMETRIC
NTS

SERVICE BUILDING
PLUMBING
PLAN AND ISOMETRICS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/10/25	ADDENDUM 3	JAH

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JOB NO.: 904-8119.002

SCALE: 1/4" = 1'-0"

THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

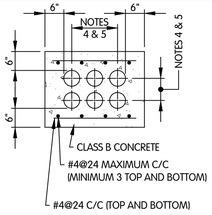
DESIGNED	DRAWN	CHECKED
ASB	RGW	ASB

STATUS: ISSUED FOR RE-BID

DATE: AUGUST 2026

SHEET NO.
P-15.1

C:\Users\RGW\ACCDocuments\8119002_RM_JRHLS2925.rvt
10/29/2025 10:38:57 AM

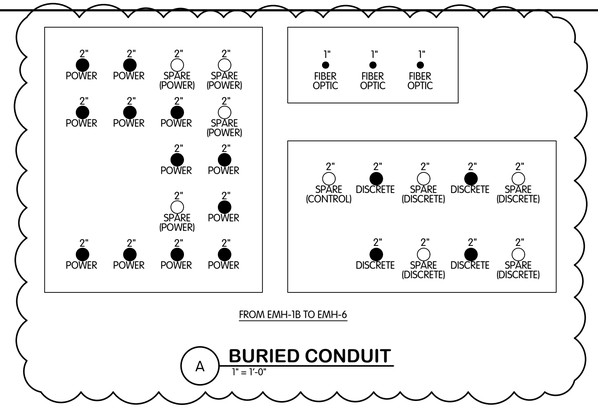


TYPICAL CONCRETE ENCASED CONDUIT DETAIL

NTS

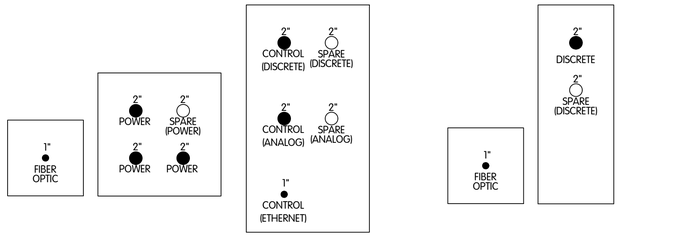
NOTES:

1. ALL DUCT BANKS TO BE REINFORCED.
2. REINFORCING SHOWN IS TYPICAL FOR ALL SIZES OF DUCT BANKS.
3. 7½" MINIMUM SPACING EXCEPT TO SIGNAL AND ETHERNET CONDUIT.
4. SIGNAL OR ETHERNET CONDUITS TO BE MAINTAINED 12" MINIMUM FROM ALL OTHER.
5. THE CONCRETE ENCASEMENT OF ANY NUMBER OF CONDUITS ONE THROUGH SIX CONDUIT(S) SHALL USE THIS DETAIL AS AN EXAMPLE OF AN INSTALLATION. CROSS SECTIONAL SIZE SHALL VARY WITH THE NUMBER OF CONDUITS REQUIRED. MAXIMUM 6 CONDUITS WIDE AT SPACING INDICATED.
6. ALL CONDUITS BETWEEN MANHOLES SHALL BE 4" PVC. CONDUITS BETWEEN MANHOLES AND BUILDINGS SHALL BE PER SINGLE LINE DRAWING.
7. CONCRETE USED FOR ENCASEMENT SHALL BE DYED RED PRIOR TO PLACEMENT.



FROM EMH-1B TO EMH-6

A **BURIED CONDUIT** 1" = 1'-0"

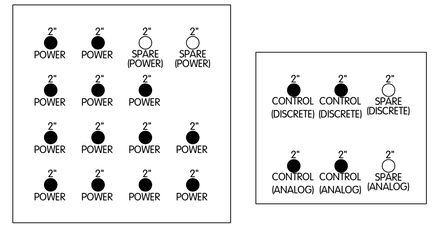


FROM EMH-4 TO EMH-7

B **BURIED CONDUIT** 1" = 1'-0"

FROM EMH-7 TO BLOWER BUILDING

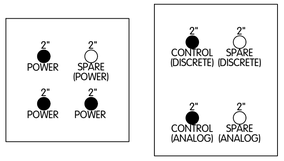
C **BURIED CONDUIT** 1" = 1'-0"



FROM EMH-1A (ELECTRICAL BUILDING) TO EMH-5 (GRIT/OXIDATION DITCH)

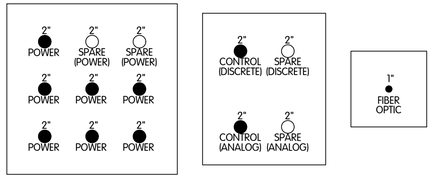
D **BURIED CONDUIT** 1" = 1'-0"

2



FROM EMH-7 TO DIGESTER CONTROL BUILDING

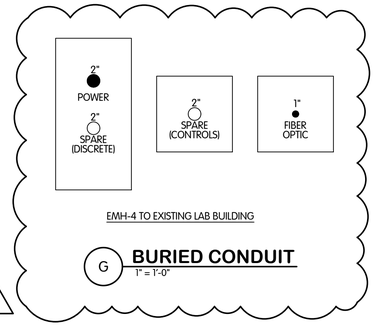
E **BURIED CONDUIT** 1" = 1'-0"



FROM EMH-4 TO SERVICE BUILDING/U.V.

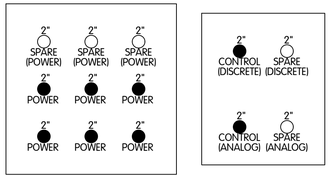
F **BURIED CONDUIT** 1" = 1'-0"

2



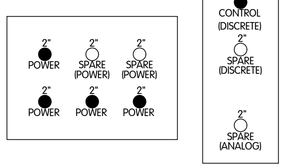
EMH-4 TO EXISTING LAB BUILDING

G **BURIED CONDUIT** 1" = 1'-0"



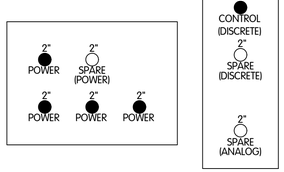
FROM ELECTRICAL BUILDING TO EMH-2 TO EMH-3

H **BURIED CONDUIT** 1" = 1'-0"



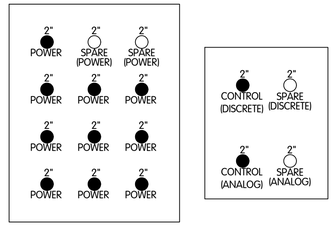
FROM EMH-3 TO CLARIFIER 1

J **BURIED CONDUIT** 1" = 1'-0"



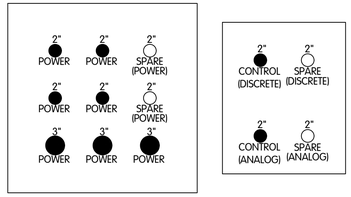
FROM EMH-3 TO CLARIFIER 2

K **BURIED CONDUIT** 1" = 1'-0"



FROM EMH-3 TO RAS/WAS PUMP STATION

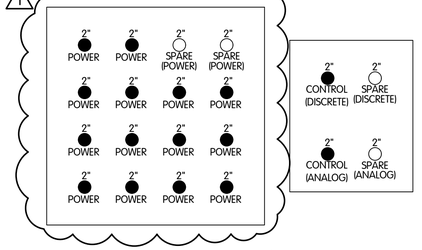
L **BURIED CONDUIT** 1" = 1'-0"



FROM EMH-3 TO RAS/WAS PUMP STATION

M **BURIED CONDUIT** 1" = 1'-0"

1



FROM EMH-1A TO HEADWORKS BUILDING

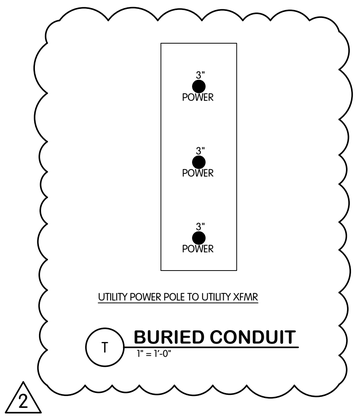
N **BURIED CONDUIT** 1" = 1'-0"



FROM EQ GENERATOR TO EMH-1C

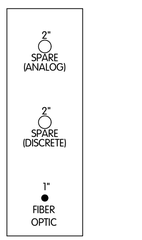
O **BURIED CONDUIT** 1" = 1'-0"

2



UTILITY POWER POLE TO UTILITY XFMR

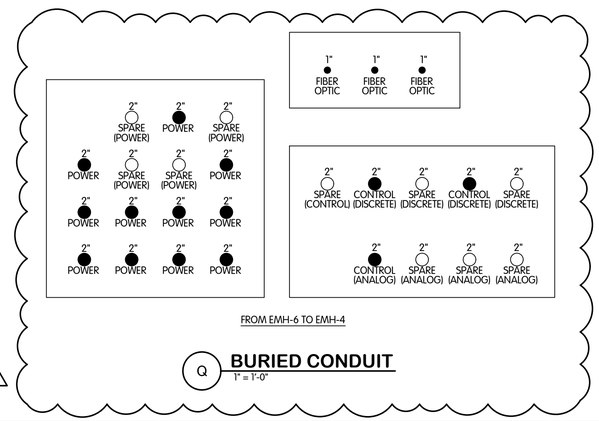
T **BURIED CONDUIT** 1" = 1'-0"



FROM EQ PUMP STATION TO EMH-1C

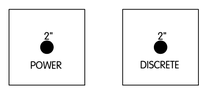
P **BURIED CONDUIT** 1" = 1'-0"

2



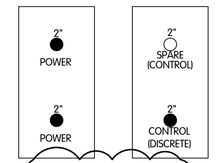
FROM EMH-6 TO EMH-4

Q **BURIED CONDUIT** 1" = 1'-0"



FROM EMH-6 TO 100-MH SA-1

R **BURIED CONDUIT** 1" = 1'-0"



FROM EMH-1C TO EMH-8

2

S **BURIED CONDUIT** 1" = 1'-0"

TOL-8119002_E07-E-0.4 - DUCT BANK DETAILS
10/28/2026 9:51 AM - ABLASING
10/28/2026 9:51 AM

ELECTRICAL
DUCT BANK SECTIONS AND DETAILS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
5	10/27/26	ADDENDUM 3	EBK
4	10/9/26	ADDENDUM 2	JAH
3			
2			
1			

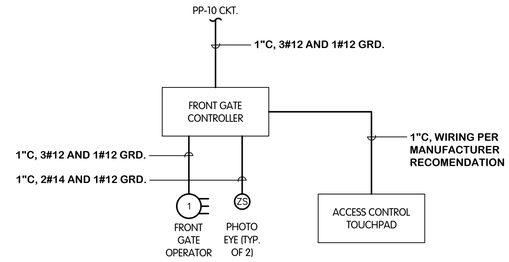
Jones & Henry Engineers, Ltd.
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JOB NO. 904-8119.002
SCALE AS INDICATED
THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE
DESIGNED EBK | DRAWN RGW | CHECKED
STATUS: ISSUED FOR RE-BID
DATE: AUGUST 2026
SHEET NO.
E-0.4
185 OF 247

WATER STREET

N

ELECTRICAL SITE LIGHTING FIXTURE SCHEDULE	
TAG/ID	DESCRIPTION
F5	LITHONIA CAT. NO. RSX1-LED-P2-40K-MVOLT-PE-SPA-DBLXD. RSX1 LED AREA LUMINARIE, PERFORMANCE PACKAGE 2, TYPE 4 WIDE LIGHT DISTRIBUTION, MULTIVOLT, BUTTON-STYLE PHOTOCELL, SQUARE POLE MOUNTING, BLACK FINISH, 120V / 72.9 WATTS, MOUNTED ON A 20' TALL SQUARE POLE.



FRONT GATE OPERATOR PARTIAL SINGLE-LINE DIAGRAM

LP-10-38
PP-10-37, 39, 41
FRONT GATE ACCESS CONTROL TOUCHPAD ON PEDESTAL
FRONT GATE ACCESS CONTROL PHOTO EYE (OPEN CYCLE)
FRONT GATE ACCESS CONTROL PHOTO EYE (OPEN CYCLE)
EMH-8
FRONT GATE OPERATOR
MAINTAIN MINIMUM 5'-0" HORIZONTAL DISTANCE FROM O/H POWER LINES
S E-0.4

MATCH LINE SHEET E-100.2

ELECTRICAL
SITE PLAN A

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
5			
4			
3			
2	01/27/26	ADDENDUM 3	EBK
1			

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JOB NO.	904-8119.002
SCALE	1"=20'
THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE	
DESIGNED	EBK
DRAWN	BJD
CHECKED	EBK
STATUS	ISSUED FOR RE-BID
DATE	AUGUST 2026
SHEET NO.	E-100.1
	187 OF 247

T:\OL-8119\00\ED\00-E-100.1 ELECTRICAL SITE PLAN A
10/29/2026 2:34 PM ABLAISING
10/29/2026 2:34 PM

MATCH LINE SHEET E-100.1

FUTURE CLARIFIER 3

CLARIFIER 2

CLARIFIER 1

EMH-2

MAINTAIN MINIMUM 5'-0" HORIZONTAL DISTANCE FROM O/H POWER LINES

ODOT GUARDRAIL SEE CIVIL DETAILS

ELECTRICAL BUILDING

MCCS

EMH-1C

EMH-1B

EMH-1A

700KW DIESEL GENERATOR (SEE NOTE 6)

OXIDATION DITCH

SPLITTER BOX

RAS/WAS PUMP STATION

EMH-3

GRIT REMOVAL

POWER POLE INSTALLED BY OAK HARBOR POWER

S.E. ATS (SEE NOTE 5)

1000KVA TRANSFORMER AND UTILITY METER (BY OAK HARBOR POWER)

HEADWORKS BUILDING

EMH-5

EQ BASIN PUMP STATION

DIVERSION WEIR

EMH-6

FSG-1-1

PP-10-19, 21, 23

MH-SA-1

36" SANITARY

24" SANITARY

EMH-4

U.V. SYSTEM

12" STORM

SERVICE BUILDING

Existing Building

Asphalt Pavement

Woods Area

Grass

Gravel

Chain Link Fence

Conc.

1713 12" Inv. 581.41

1781 12" Inv. 581.10

1799 15" Inv. 581.42

1820 15" Inv. 581.11

B-1 B-2 B-3 B-4 B-6 B-7 B-8 B-9 B-10 B-11 B-12 B-13 B-14 B-15

S E-0.4 O E-0.4 P E-0.4 T E-0.4 N E-0.4 M E-0.4 D E-0.4 H E-0.4 K E-0.4 L E-0.4 J E-0.4 A E-0.4 R E-0.4 Q E-0.4 G E-0.4 F E-0.4 B E-0.4

NOTES:

1. CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES BEFORE CONSTRUCTION TO AVOID ANY CONFLICTS.
2. SEE DUCT BANK SECTIONS AND DETAILS SHEET FOR CONCRETE ENCASED CONDUIT DETAIL AND DUCT BANK SECTIONS.
3. BOND ALL LIGHT POLES TO NEAREST GROUND RINGS.
4. REFER TO STRUCTURAL SHEETS FOR GENERATOR PAD, TRANSFORMER VAULT, AND ATS VAULT DETAILS.
5. CONTRACTOR SHALL FURNISH AND INSTALL SIGN PER NEC 700.7.
   SERVICE ENTRANCE BREAKER/AUTOMATIC TRANSFER SWITCH.
   EMERGENCY GENERATOR LOCATED 18 FEET SOUTH OF THIS DEVICE TO ACCESS GENERATOR CONTROL PANEL.
   1. PRESS NON-AUTO MODE
   2. PUSH EMERGENCY STOP
   3. OPEN CIRCUIT BREAKER
6. CONTRACTOR SHALL FURNISH AND INSTALL SIGN PER NEC 700.7.
   1. PRESS NON-AUTO MODE
   2. PUSH EMERGENCY STOP
   3. OPEN CIRCUIT BREAKER
7. THE EXISTING FIBER OPTIC INTERNET SERVICE BY OMNI FIBER TERMINATES AT THE EXISTING LAB BUILDING. THE CONTRACTOR SHALL COORDINATE WITH OMNI FIBER FOR THE RELOCATION OF THE INCOMING INTERNET SERVICE TO THE NEW ADMINISTRATION BUILDING ELECTRICAL ROOM. THE EXISTING SERVICE SHALL BE KEPT IN PLACE UNTIL THE NEW PLANT IS READY TO BE TAKEN ONLINE.

MATCH LINE SHEET E-100.3

TOL-8119\02\E\00-E-100.2 ELECTRICAL SITE PLAN B
10/28/2026 2:34 PM - ABLAISING
10/28/2026 2:34 PM

ELECTRICAL
SITE PLAN B

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/28/26	ADDENDUM 1	EBK

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JOB NO.	904-8119.002
SCALE	1"=20'
	THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE
DESIGNED	BBK
DRAWN	BJD
CHECKED	EBK
STATUS:	ISSUED FOR RE-BID
DATE:	AUGUST 2026
SHEET NO.	E-100.2
	188 OF 247

MDP-10						
LOAD DESCRIPTION	SIZE (Amps)	VOLTS	PHASES	DEMAND AMPS	DEMAND VOLT-AMPS	DEMAND FACTOR
MCC-10A	450	480	3	237	196746	DUTY
MCC-10B	400	480	3	254	210963	DUTY
PP-10	300	480	3	201	167389	DUTY

DEMAND AMPS @ 480V-3PH: 692A

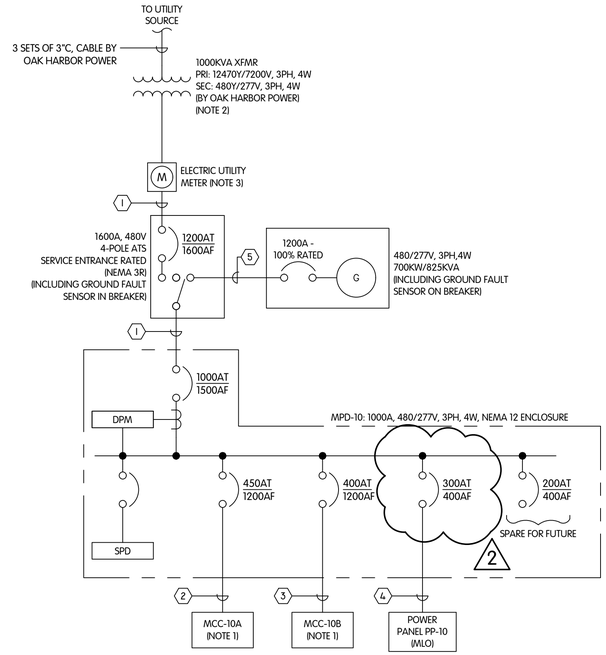
2

MCC-10A									
LOAD DESCRIPTION	LOAD LOCATION	STARTER TYPE	SIZE (HP/KVA/ KW/Amps)	VOLTS	PHASES	AMPS	VOLT-AMPS	DEMAND FACTOR	DEMAND VA
SCREEN 1	HEADWORKS BUILDING	ATL	3 HP	480	3	4.8	3991	DUTY	3991
WASHER/COMPACTOR 1	HEADWORKS BUILDING	ATL	1 HP	480	3	2.1	1746	DUTY	1746
UV HSC-1	SERVICE BUILDING	N/A	2.5 KVA	480	3	3.0	2500	DUTY	2500
RAW DRY WEATHER PUMP 1	RAW WEATHER PUMP STATION	VFD	25 HP	480	3	34.0	28267	DUTY	28267
RAW WET WEATHER PUMP 1	RAW WEATHER PUMP STATION	VFD	50 HP	480	3	65.0	54040	DUTY	54040
RAW WET WEATHER PUMP 3	RAW WEATHER PUMP STATION	VFD	50 HP	480	3	65.0	54040	STANDBY	0
AERATOR ROTOR ASSEMBLY 1	OXIDATION DITCH	VFD	15 HP	480	3	21.0	17459	DUTY	17459
AERATOR ROTOR ASSEMBLY 3	OXIDATION DITCH	VFD	7.5 HP	480	3	11.0	9145	DUTY	9145
CLARIFIER 1 DRIVE	CLARIFIER 1	ATL	1 HP	480	3	2.1	1746	DUTY	1746
RAS/WAS PUMP 1	RAS/WAS PUMP STATION	VFD	10 HP	480	3	14.0	11639	DUTY	11639
RAS/WAS PUMP 2	RAS/WAS PUMP STATION	VFD	10 HP	480	3	14.0	11639	DUTY	11639
[EXISTING] TRANSFER PUMP	DIGESTER BUILDING	ATL	7.5 HP	480	3	11.0	9145	DUTY	9145
BOOSTER PUMP 1	SERVICE BUILDING	ATL	3 HP	480	3	4.8	3991	DUTY	3991
BOOSTER PUMP 2	SERVICE BUILDING	ATL	3 HP	480	3	4.8	3991	DUTY	3991
EUH-2-1	RAW WEATHER PS	N/A	5 kW	480	3	6.0	5000	DUTY	5000
EUH-15-1	SERVICE BUILDING	N/A	5 kW	480	3	6.0	5000	DUTY	5000
EUH-15-2	SERVICE BUILDING	N/A	5 kW	480	3	6.0	5000	DUTY	5000
POST-AERATION BLOWER	SERVICE BUILDING	VFD	20 HP	480	3	27.0	22447	DUTY	22447

MCC-10B									
LOAD DESCRIPTION	LOAD LOCATION	STARTER TYPE	SIZE (HP/KVA/ KW/Amps)	VOLTS	PHASES	AMPS	VOLT-AMPS	DEMAND FACTOR	DEMAND VA
SCREEN 2	HEADWORKS BUILDING	ATL	3 HP	480	3	4.8	3991	DUTY	3991
WASHER/COMPACTOR 2	HEADWORKS BUILDING	ATL	1 HP	480	3	2.1	1746	DUTY	1746
GRIT PUMP	GRIT PUMP ROOM	VFD	5 HP	480	3	7.6	6319	DUTY	6319
GRIT CLASSIFIER	HEADWORKS BUILDING	ATL	1/3 HP	480	3	0.9	748	DUTY	748
RAW DRY WEATHER PUMP 2	RAW WEATHER PUMP STATION	VFD	25 HP	480	3	34.0	28267	DUTY	28267
RAW WET WEATHER PUMP 2	RAW WEATHER PUMP STATION	VFD	50 HP	480	3	65.0	54040	DUTY	54040
MOTORIZED HOIST	HEADWORKS BUILDING	ATL	1 HP	480	3	2.1	1746	DUTY	1746
AERATOR ROTOR ASSEMBLY 2	OXIDATION DITCH	VFD	15 HP	480	3	21.0	17459	DUTY	17459
AERATOR ROTOR ASSEMBLY 4	OXIDATION DITCH	VFD	7.5 HP	480	3	11.0	9145	DUTY	9145
CLARIFIER 2 DRIVE	CLARIFIER 2	ATL	1 HP	480	3	2.1	1746	DUTY	1746
CLARIFIER 3 DRIVE [FUTURE]	CLARIFIER 3 [FUTURE]	ATL	1 HP	480	3	2.1	1746	STANDBY	0
RAS/WAS PUMP 3	RAS/WAS PUMP STATION	VFD	10 HP	480	3	14.0	11639	STANDBY	0
POLYMER PREPERATION SYSTEM	SLUDGE HANDLING BUILDING	N/A	~1 HP	480	3	2.2	1829	DUTY	1829
EUH-3-1	GRIT PUMP ROOM	N/A	7.5 kW	480	3	9.0	7500	DUTY	7500
EUH-3-2	GRIT PUMP ROOM	N/A	7.5 kW	480	3	9.0	7500	DUTY	7500
UV PDC XFMR	SERVICE BUILDING	N/A	45 KVA	480	3	54.1	45000	DUTY	45000
FC-10-1	ELECTRICAL BUILDING	N/A	10.8 A	480	3	10.8	8962	DUTY	8962
HP-10-1	ELECTRICAL BUILDING	N/A	18 A	480	3	18.0	14965	DUTY	14965

PP-10									
LOAD DESCRIPTION	LOAD LOCATION	STARTER TYPE	SIZE (HP/KVA/ KW/Amps)	VOLTS	PHASES	AMPS	VOLT-AMPS	DEMAND FACTOR	DEMAND VA
FSG-1-1	100-MH SA-1	ATL	1 HP	480	3	2.1	1746	DUTY	1746
TV-13-1	DIGESTER BUILDING	N/A	1 HP	480	3	2.1	1746	DUTY	1746
TV-13-2	DIGESTER BUILDING	N/A	1 HP	480	3	2.1	1746	DUTY	1746
TV-13-3	DIGESTER BUILDING	N/A	1 HP	480	3	2.1	1746	DUTY	1746
LP-12 XFMR	DIGESTER BUILDING	N/A	10 KVA	480	1	20.8	10000	DUTY	10000
LP-10 XFMR	ELECTRICAL BUILDING	N/A	15 KVA	480	1	31.3	15000	DUTY	15000
FRONT GATE OPERATOR	FRONT GATE	ATL (CP)	1 HP	480	3	5.0	4157	DUTY	4157
PV-3-3	GRIT PUMP ROOM	ATL	1 HP	480	3	2.1	1746	DUTY	1746
PV-3-4	GRIT PUMP ROOM	ATL	1 HP	480	3	2.1	1746	DUTY	1746
PV-3-5	GRIT PUMP ROOM	ATL	1 HP	480	3	2.1	1746	DUTY	1746
PV-3-6	GRIT PUMP ROOM	ATL	1 HP	480	3	2.1	1746	DUTY	1746
FSG-3-1	GRIT PUMP ROOM	ATL	1 HP	480	3	2.1	1746	DUTY	1746
FSG-3-2	GRIT PUMP ROOM	ATL	1 HP	480	3	2.1	1746	DUTY	1746
FSG-2-1	HEADWORKS	ATL	1 HP	480	3	2.1	1746	DUTY	1746
FSG-2-2	HEADWORKS	ATL	1 HP	480	3	2.1	1746	DUTY	1746
FSG-2-3	HEADWORKS	ATL	1 HP	480	3	2.1	1746	STANDBY	0
FSG-2-4	HEADWORKS	ATL	1 HP	480	3	2.1	1746	DUTY	1746
FSG-2-5	HEADWORKS	ATL	1 HP	480	3	2.1	1746	DUTY	1746
MAU-2-1	HEADWORKS	N/A	2 HP	480	3	3.4	2827	DUTY	2827
EF-2-1	HEADWORKS	ATL	2 HP	480	3	3.4	2827	DUTY	2827
MPZ-2	HEADWORKS	N/A	10 KVA	480	1	20.8	10000	DUTY	10000
HEADWORKS O/H DOOR	HEADWORKS	ATL	1/2 HP	480	3	1.1	915	DUTY	915
MPZ-4	OXIDATION DITCH	N/A	5 KVA	480	1	10.4	5000	DUTY	5000
FSG-4-1	OXIDATION DITCH	ATL	1 HP	480	3	2.1	1746	DUTY	1746
FSG-4-2	OXIDATION DITCH	ATL	1 HP	480	3	2.1	1746	DUTY	1746
FSG-4-3	OXIDATION DITCH	ATL	1 HP	480	3	2.1	1746	DUTY	1746
FSG-4-4	OXIDATION DITCH	ATL	1 HP	480	3	2.1	1746	DUTY	1746
FSG-4-5	OXIDATION DITCH	ATL	1 HP	480	3	2.1	1746	DUTY	1746
MPZ-7	RAS/WAS PUMP STATION	N/A	5 KVA	480	1	10.4	5000	DUTY	5000
LP-15 XFMR	SERVICE BUILDING	N/A	25 KVA	480	1	52.1	25000	DUTY	25000
FSG-8-1	UV STRUCTURE	ATL	1 HP	480	3	2.1	1746	DUTY	1746
FSG-8-2	UV STRUCTURE	ATL	1 HP	480	3	2.1	1746	DUTY	1746
EXISTING LAB BLDG PANEL XFMR	EXISTING LAB BLDG	N/A	50 KVA	480	1	104.2	50000	DUTY	50000

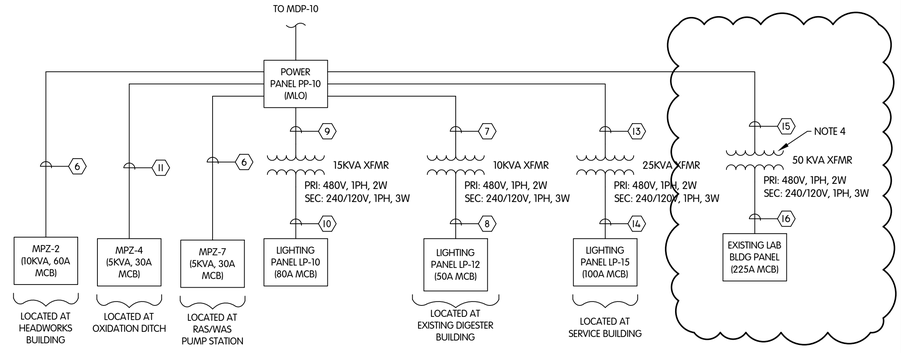
1 2



PLANT SINGLE-LINE DIAGRAM
NTS

CONDUIT AND WIRE SCHEDULE	
NO.	CONDUIT AND WIRE
1	4 SETS OF (4"C, 4#350 KCMIL & 1#3/0 GND)
2	2 SETS OF (2"C, 3#4/0 & 1#2 GND)
3	2 SETS OF (2"C, 3#3/0 & 1#2/0 GND)
4	3"C, 3#350 KCMIL & 1#4 GND
5	4 SETS OF (4"C, 4#400 KCMIL, 1#4/0 GND)
6	1"C, 2#10 & 1#10 GND
7	1"C, 2#6 & 1#6 GND
8	1"C, 3#8 & 1#10 GND
9	1"C, 2#8 & 1#10 GND
10	2"C, 3#4 & 1#8 GND
11	1"C, 2#12 & 1#12 GND
12	1"C, 2#6 & 1#6 GND
13	2"C, 2#2 & 1#4 GND
14	2"C, 3#2 & 1#8 GND
15	2"C, 3#2 & 1#8 GND
16	2"C, 3#2 & 1#8 GND

2



POWER PANEL PP-10 PARTIAL SINGLE-LINE DIAGRAM
NTS

2

NOTES:
1. SEE MCC-10A SINGLE LINE DIAGRAM AND MCC-10B SINGLE DIAGRAM FOR CONTINUATION.
2. UTILITY TRANSFORMER SECONDARY CABLE TERMINATIONS TO BE MADE BY OAK HARBOR POWER.
3. METERING SOCKET AND CONDUIT FURNISHED AND INSTALLED BY CONTRACTOR. METERING CURRENT TRANSFORMERS AND WIRING FURNISHED AND INSTALLED BY OAK HARBOR POWER.
4. COORDINATE XFMR LOCATION IN EXISTING LAB BUILDING WITH OWNER. BOND XFMR SECONDARY TO EXISTING LAB BUILDING GROUNDING SYSTEM WITH #2 BARE COPPER WIRE.

ELECTRICAL PLANT SINGLE LINE DIAGRAM AND LOAD SCHEDULES

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/27/25	ADDENDUM 2	JAH
2	11/7/25	ADDENDUM 3	EBK

Jones & Henry Engineers, Ltd.
Fluid thinking®
www.JHeng.com

JOB NO. 904-8119.002
SCALE AS INDICATED
THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

DESIGNED	DRAWN	CHECKED
EBK	AAE	EBK

STATUS: ISSUED FOR RE-BID
DATE: AUGUST 2026

SHEET NO.
E-101.1
190 OF 247

TOL-8119002_E08-E-101.1
10/28/2026 9:32 AM
10/28/2026 9:32 AM - ABLAISING

NOTES:
1. REFER TO P & ID SHEETS FOR SIGNAL I/O INFORMATION.
2. EXP-PROOF 6"x6"x6" J-BOX WITH TERMINAL STRIP.
3. EXP-PROOF GUA-C J-BOX WITH TERMINAL STRIP.

ELECTRICAL CONTROL DIAGRAM

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
5			
4			
3			
2	10/27/25	ADDENDUM 3	EBK
1			

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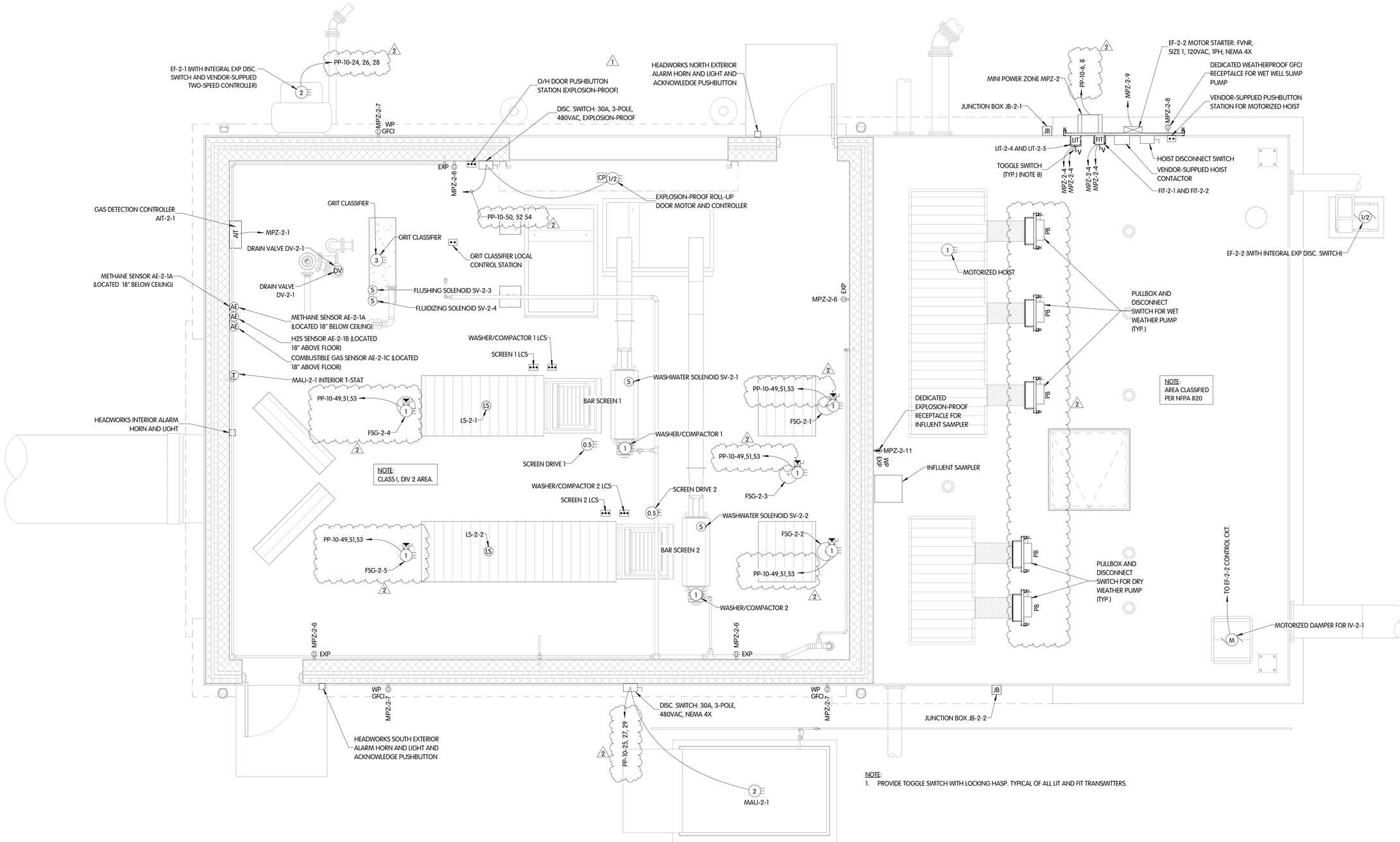
JOB NO. 904-8119.002
SCALE AS INDICATED
THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

DESIGNED	DRAWN	CHECKED
EBK	AAE	EBK

STATUS: ISSUED FOR RE-BID
DATE: AUGUST 2026

SHEET NO.
E-101.5
194 OF 247

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10/28/2026 9:32 AM - ABLASING
10/28/2026 9:32 AM



PLAN AT EL. 586.00

3/8" = 1'-0"

HEADWORKS BUILDING
ELECTRICAL
POWER PLAN AT EL. 586.00

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
2	10/30/2026	ADDENDUM 3	JAH
1	10/8/2026	ADDENDUM 2	JAH

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JOB NO.: 904-8119.002

SCALE: 3/8" = 1'-0"

THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

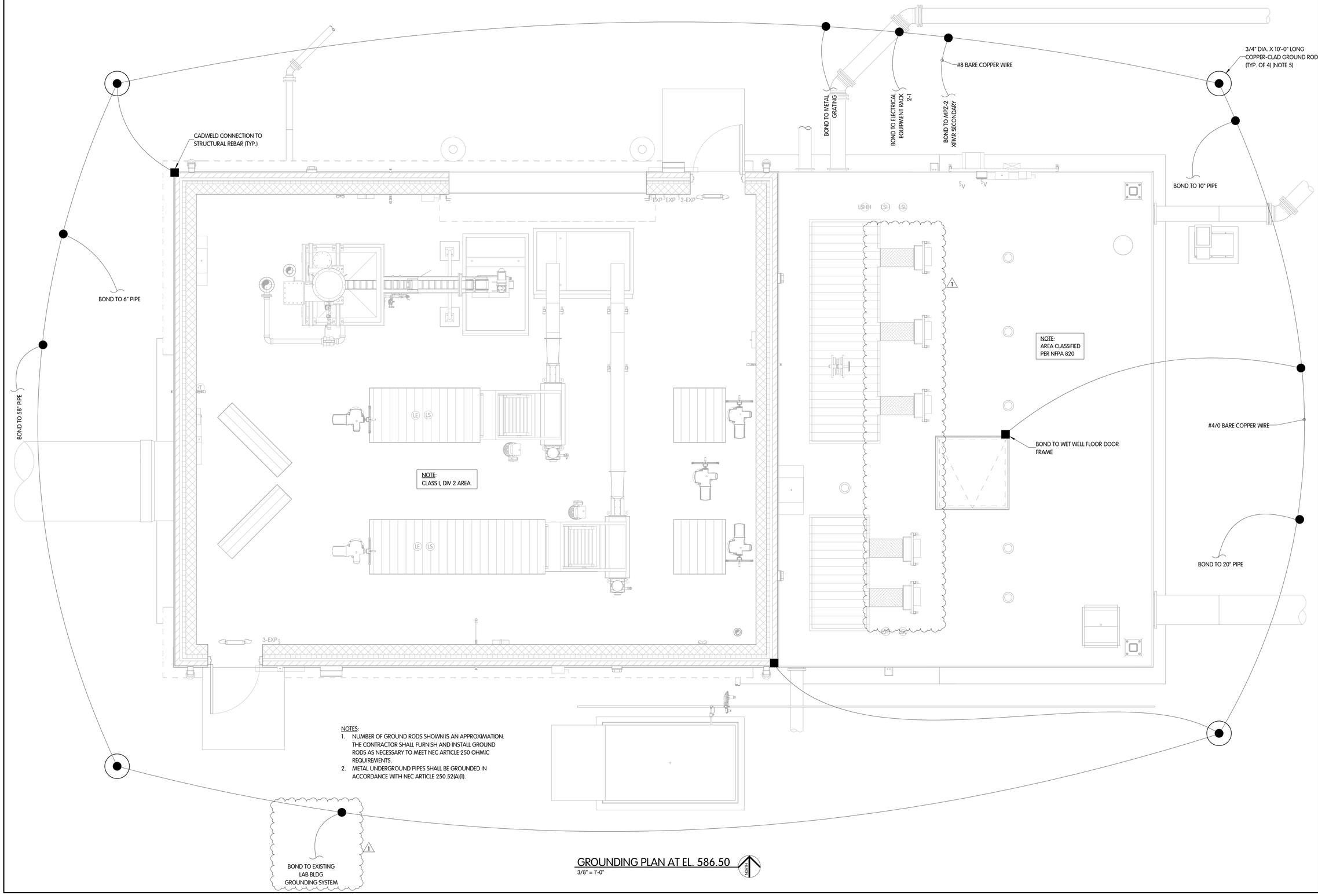
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EBK	RGW	EBK

STATUS: ISSUED FOR RE-BID

DATE: AUGUST 2026

SHEET NO.
E-2.1
197 OF 247

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GROUNDING PLAN AT EL. 586.50

3/8" = 1'-0"

HEADWORKS BUILDING
ELECTRICAL
GROUNDING PLAN AT EL. 586.50

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/25	ADDENDUM 3	JAH

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JOB NO.: 904-8119.002

SCALE: 3/8" = 1'-0"

THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

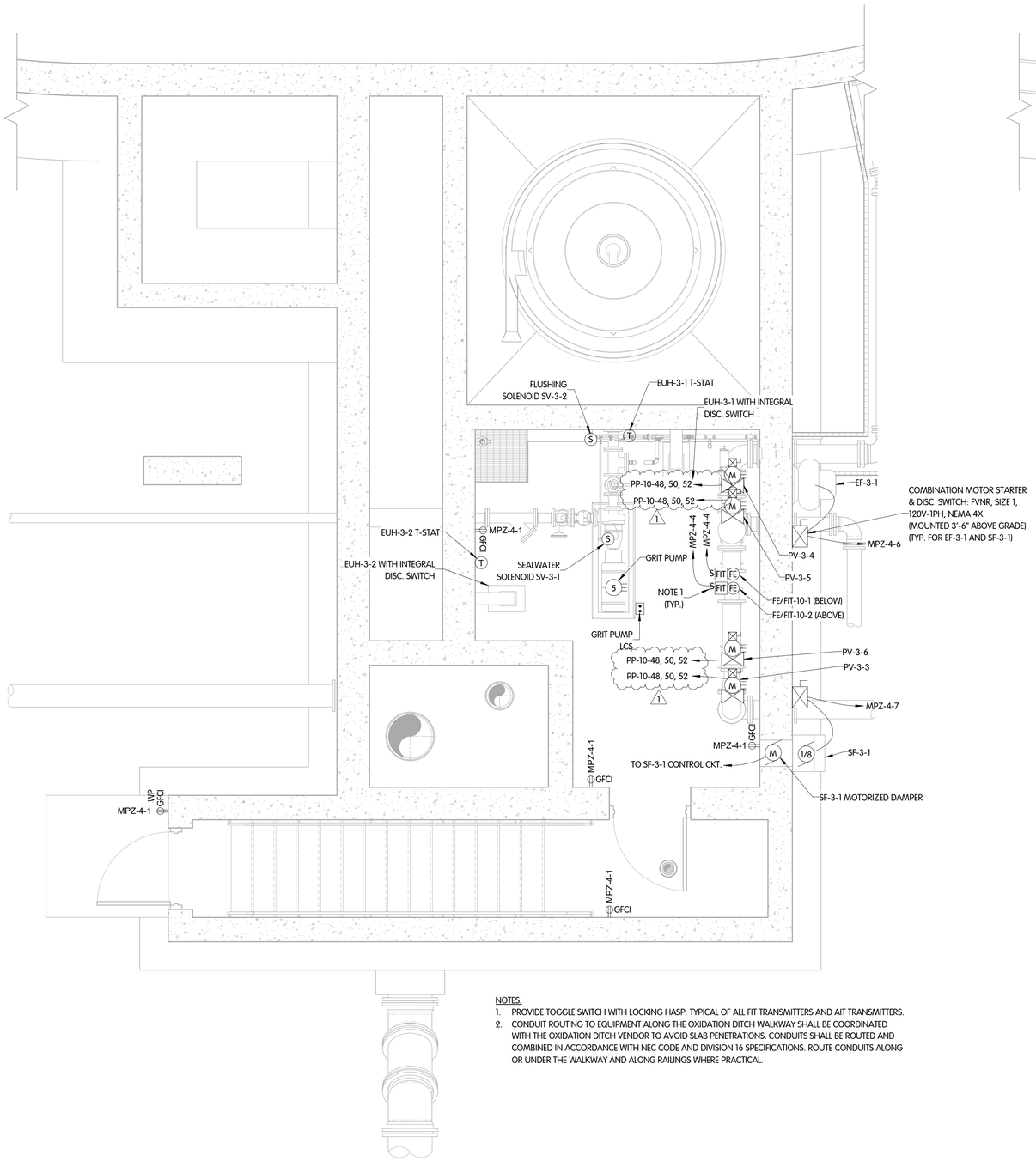
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EBK	RGW	EBK

STATUS: ISSUED FOR RE-BID

DATE: AUGUST 2026

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E-2.3
199 OF 247

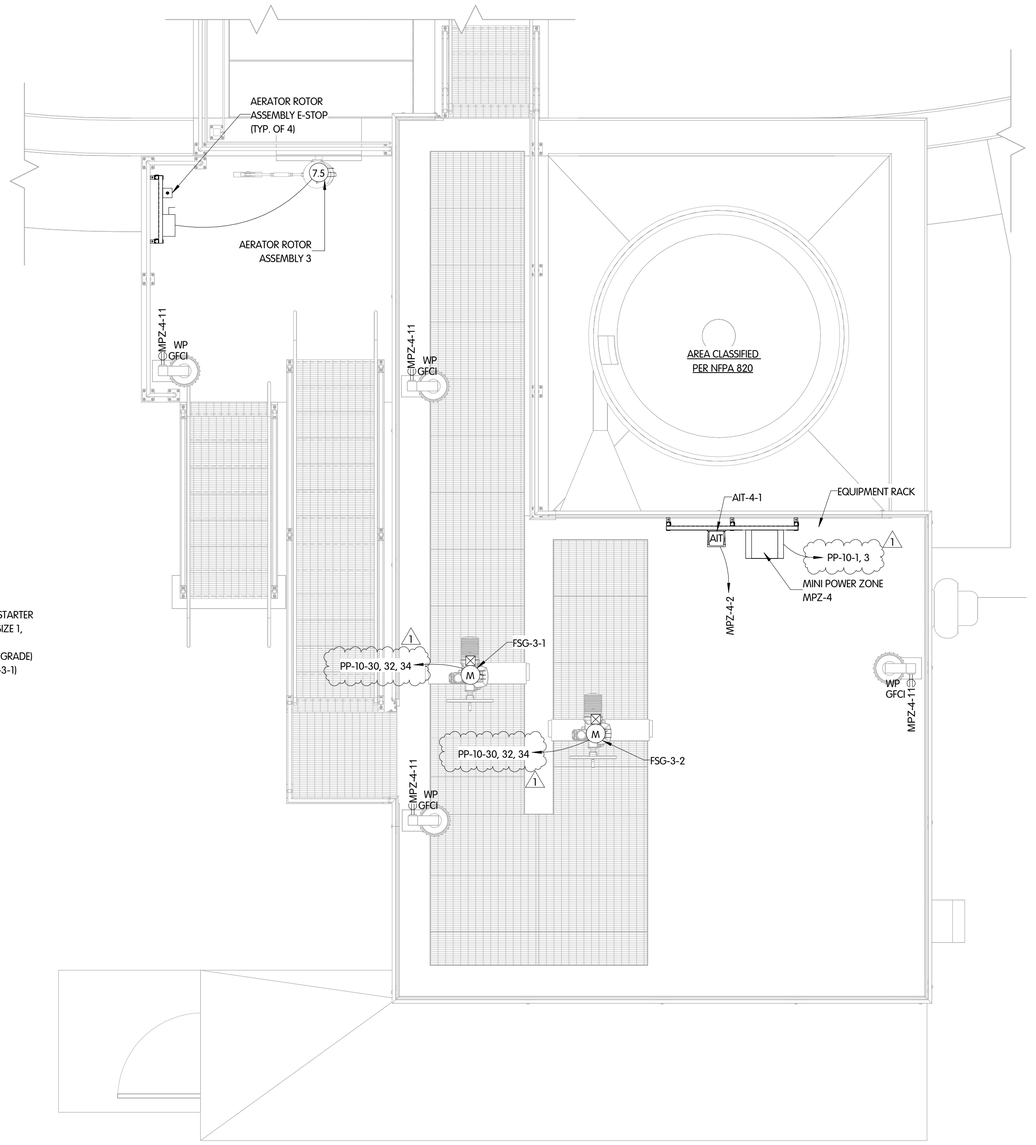
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NOTES:

1. PROVIDE TOGGLE SWITCH WITH LOCKING HASP. TYPICAL OF ALL FIT TRANSMITTERS AND AIT TRANSMITTERS.
2. CONDUIT ROUTING TO EQUIPMENT ALONG THE OXIDATION DITCH WALKWAY SHALL BE COORDINATED WITH THE OXIDATION DITCH VENDOR TO AVOID SLAB PENETRATIONS. CONDUITS SHALL BE ROUTED AND COMBINED IN ACCORDANCE WITH NEC CODE AND DIVISION 16 SPECIFICATIONS. ROUTE CONDUITS ALONG OR UNDER THE WALKWAY AND ALONG RAILINGS WHERE PRACTICAL.

LOWER PLAN
3/8" = 1'-0"



TOP PLAN
3/8" = 1'-0"

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GRIT
ELECTRICAL
POWER PLANS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/31/2	ADDENDUM 3	JAH
A			

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JOB NO.: 904-8119.002

SCALE: 3/8" = 1'-0"

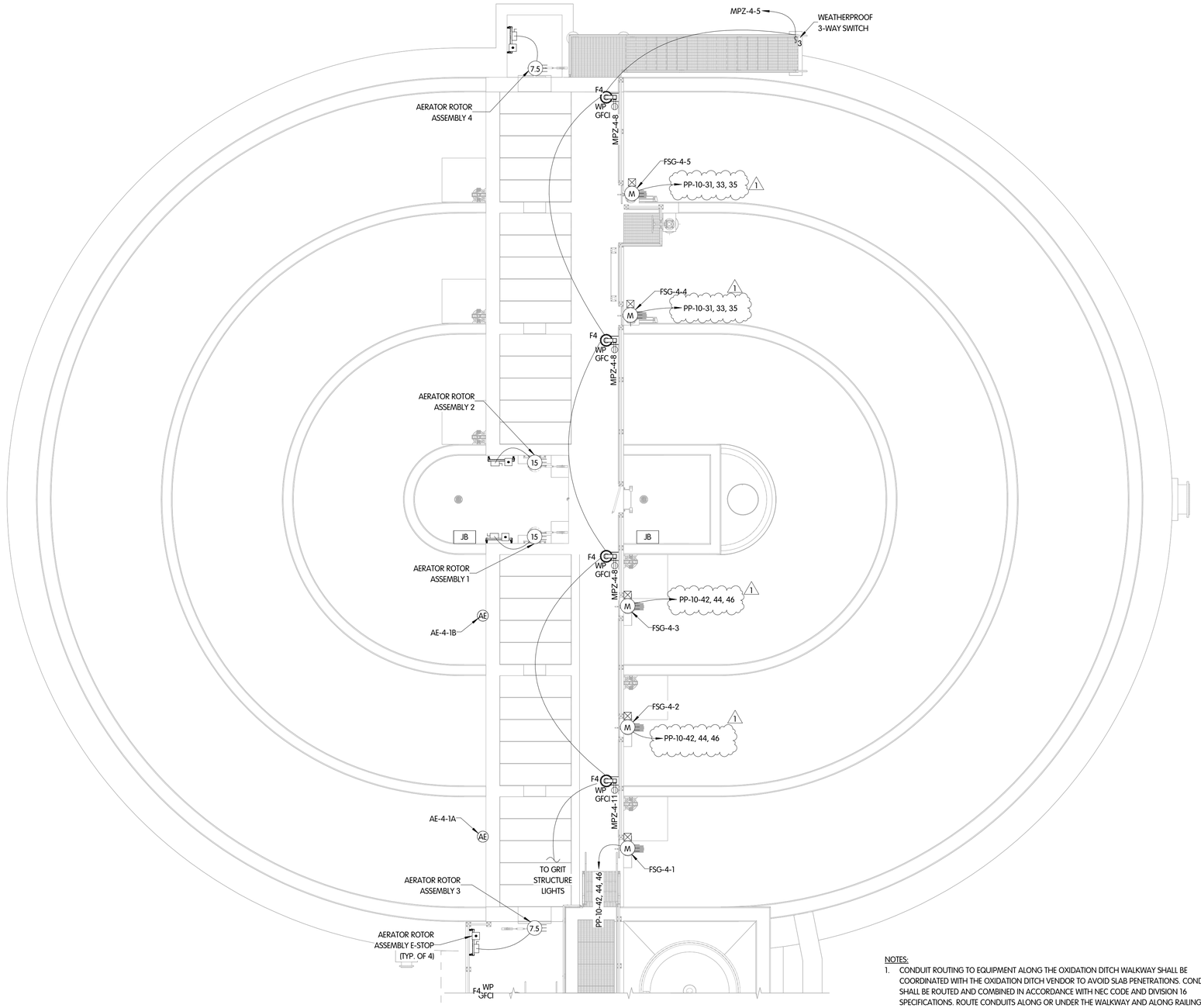
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EBK	AAE	EBK

STATUS: ISSUED FOR RE-BID

DATE: AUGUST 2026

SHEET NO.
E-3.1
205 OF 247



NOTES:

1. CONDUIT ROUTING TO EQUIPMENT ALONG THE OXIDATION DITCH WALKWAY SHALL BE COORDINATED WITH THE OXIDATION DITCH VENDOR TO AVOID SLAB PENETRATIONS. CONDUITS SHALL BE ROUTED AND COMBINED IN ACCORDANCE WITH NEC CODE AND DIVISION 16 SPECIFICATIONS. ROUTE CONDUITS ALONG OR UNDER THE WALKWAY AND ALONG RAILINGS WHERE PRACTICAL. UTILIZE JUNCTION BOXES IN CENTER ISLANDS.

POWER AND LIGHTING PLAN

3/16" = 1'-0"

OXIDATION DITCH ELECTRICAL POWER AND LIGHTING PLAN

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/2	ADDENDUM 3	JAH

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JOB NO.: 904-8119.002

SCALE: 3/16" = 1'-0"

THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

DESIGNED	DRAWN	CHECKED
EBK	RGW	EBK

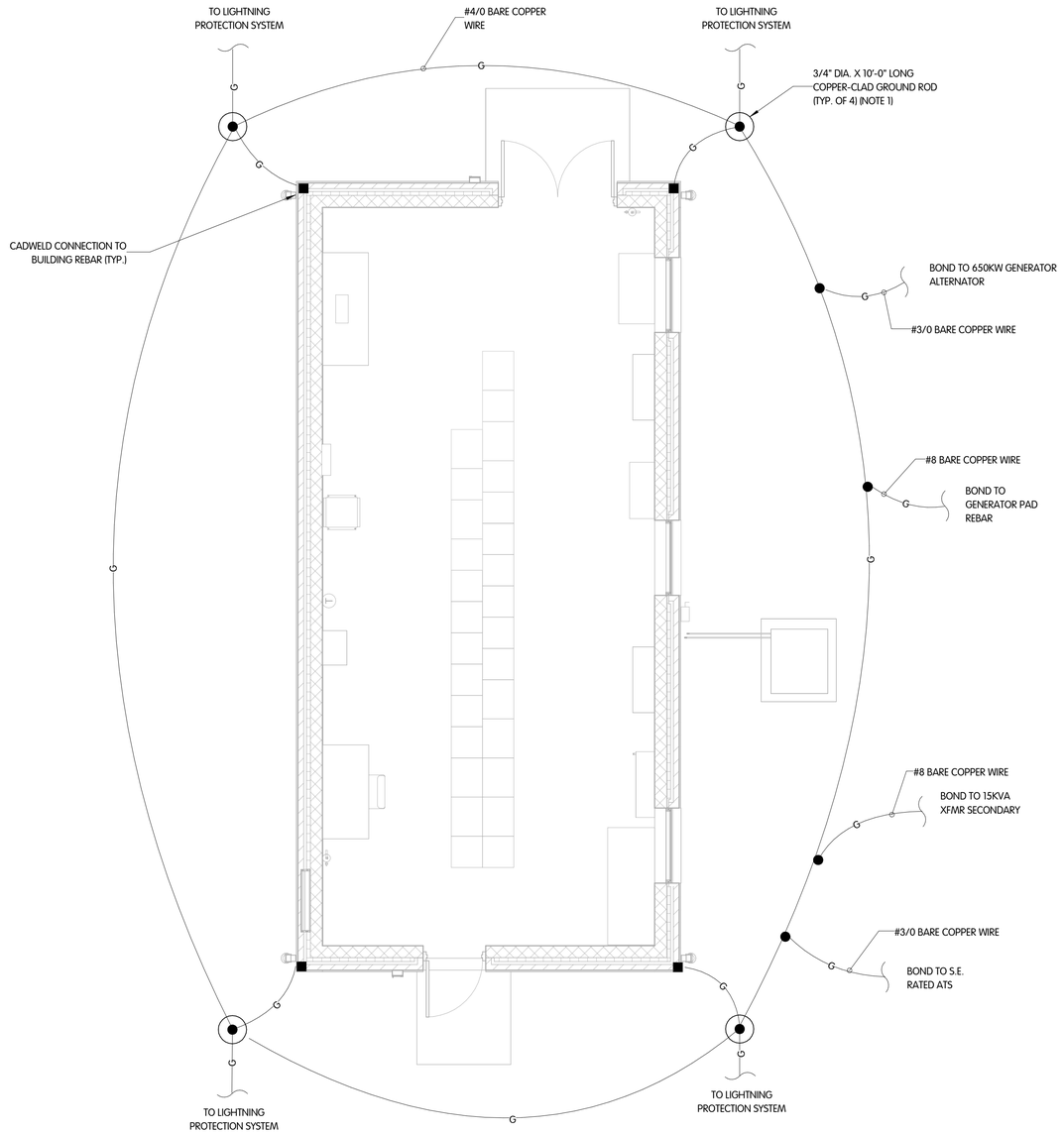
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DATE: AUGUST 2026

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E-4.1

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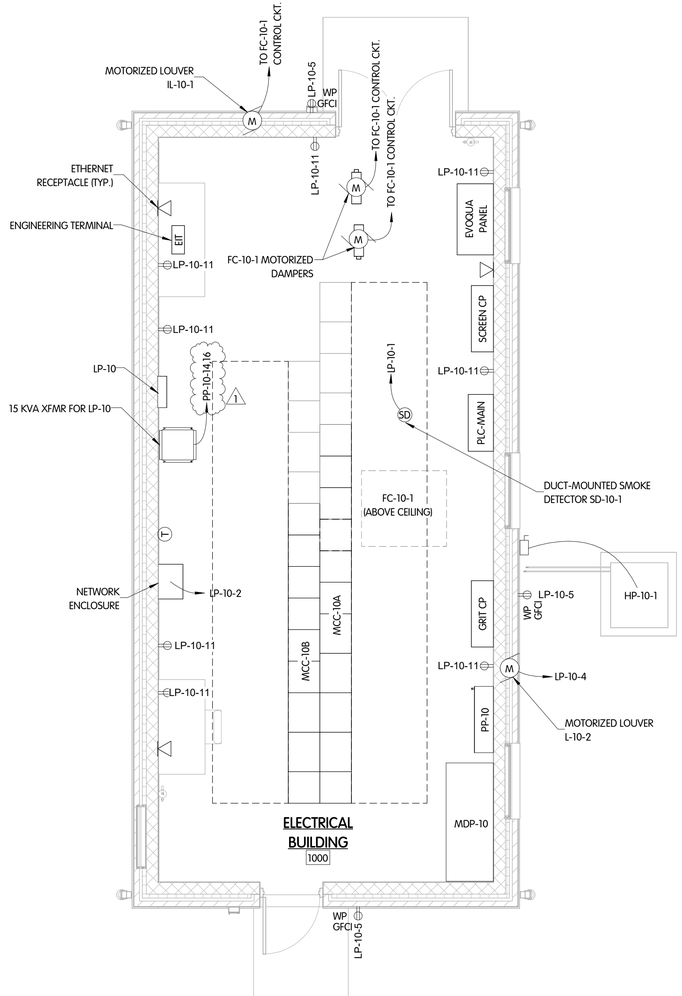


NOTES:

1. NUMBER OF GROUND RODS SHOWN IS AN APPROXIMATION. THE CONTRACTOR SHALL FURNISH AND INSTALL GROUND RODS AS NECESSARY TO MEET NEC ARTICLE 250 OHMIC REQUIREMENTS.
2. METAL UNDERGROUND PIPES SHALL BE GROUNDED IN ACCORDANCE WITH NEC ARTICLE 250.52(A)(1).

OVERALL GROUNDING PLAN

1/4" = 1'-0"



POWER PLAN

1/4" = 1'-0"

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ELECTRICAL BUILDING ELECTRICAL POWER AND GROUNDING PLANS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/26	ADDENDUM 3	JAH

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JOB NO.: 904-8119.002

SCALE: 1/4" = 1'-0"

THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

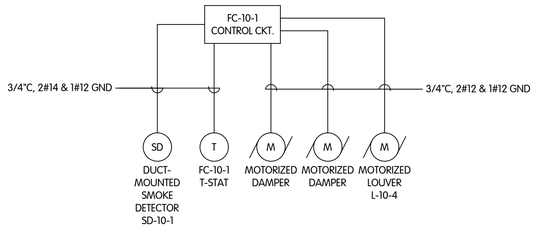
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STATUS: ISSUED FOR RE-BID

DATE: AUGUST 2026

SHEET NO.

E-10.1



FAN COIL FC-10-1 CONTROL CKT. INTERFACE DIAGRAM

NOTE:
1. CONTRACTOR SHALL COORDINATE FINAL WIRING WITH SELECTED EQUIPMENT.

PANELBOARD DESIGNATION/TAG **LP-10**

LOCATION:		**VOLTS:**	240/120V	**A.I.C. (Fully Rated):**	10kA
FEEDER SIZE:	(SEE PLANT SINGLE-LINE)	**PHASES:**	1	**BREAKERS:**	BOLT-ON
FED FROM:	15 KVA XFMR	**WIRES:**	3	**MAINS RATING:**	100 A
MOUNTING:	SURFACE	**AVAILABLE CIRCUIT...**	24	**MCB RATING:**	80 A
ENCLOSURE:	NEMA 12	**% NEUTRAL (SOLID):**	100%	**SPD:**	INTERNAL

Notes:

CKT	CIRCUIT DESCRIPTION	WIRE SIZE	AMP	POLES	A	B	A	B	POLES	AMP	WIRE SIZE	CIRCUIT DESCRIPTION	CKT
1	SMOKE DETECTOR, SD-10-1	#12	15 A	1	5 VA		500 VA		1	20 A	#12	NETWORK ENCLOSURE	2
3	LIGHTING - EXTERIOR	#12	20 A	1		44 VA		100 VA	1	20 A	#12	MOTORIZED LOUVER L-10-2	4
5	RECEPTACLES - EXTERIOR	#12	20 A	1	600 VA		1200 VA		1	20 A	#12	GENERATOR - BATTERY CHARGER	6
7	GENERATOR - ENCLOSURE HEATER	#12	20 A	1		150 VA		172 VA	1	20 A	#12	LIGHTING - INTERIOR	8
9	LIGHTING - FRONT GATE POLE LIGHT	#12	20 A	1	72 VA		1500 VA		2	20 A	#12	GENERATOR - JACKET WATER HEATER	10
11	RECEPTACLES - INTERIOR	#10	20 A	1		1600 VA		1500 VA					12
13	SPARE	--	20 A	2	0 VA		0 VA		2	20 A	--	SPARE	14
15						0 VA		0 VA					16
17	SPARE	--	20 A	1	0 VA		0 VA		1	20 A	--	SPARE	18
19	SPARE	--	20 A	1		0 VA		0 VA	1	20 A	--	SPARE	20
21	SPACE	--	--	1	--		--		1	--	--	SPACE	22
23	SPACE	--	--	1		--		--	1	--	--	SPACE	24
				Total Load:	3877 VA		3566 VA						
				Total Amps:	32 A		30 A						

PANELBOARD DESIGNATION/TAG **PP-10**

LOCATION:	ADMIN/MAINTENANCE BLDG. ELECTRICAL ROOM	**VOLTS:**	480V	**A.I.C. (Fully Rated):**	65kA
FEEDER SIZE:	(SEE PLANT SINGLE LINE)	**PHASES:**	3	**BREAKERS:**	BOLT-ON
FED FROM:	MDP-10	**WIRES:**	3	**MAINS RATING:**	300 A
MOUNTING:	SURFACE	**AVAILABLE CKTS.:**	66	**M.C.B**	MAIN LUGS ONLY
ENCLOSURE:	NEMA 12	**% SOLID NEUTRAL:**	100%	**SPD:**	INTERNAL

Notes:

CKT	CIRCUIT DESCRIPTION	WIRE SIZE	AMP	POLES	A	B	C	A	B	C	POLES	AMP	WIRE SIZE	CIRCUIT DESCRIPTION	CKT
1	MINI POWER ZONE, MPZ-4 (OX. DITCH)	#12	20 A	2	2500 VA			2500 VA			2	20 A	#10	MINI POWER ZONE, MPZ-7 (RAS/WAS PUMP STATION)	2
3						2500 VA			2500 VA						4
5	SPACE	--	--	1			--			5000 VA	2	30 A	#10	MINI POWER ZONE, MPZ-2 (HEADWORKS)	6
7	LIGHTING PANEL LP-12 XFMR (10 KVA) (DIGESTER CONTROL BUILDING)	#6	30 A	2	5000 VA			5000 VA							8
9						5000 VA			25000 VA		2	150 A	#1/0	EXISTING LAB BUILDING PANEL XFMR (50 KVA) (EXISTING LAB BUILDING)	10
11	LIGHTING PANEL LP-15 XFMR (25 KVA) (CHEMICAL BUILDING)	#2	70 A	2			12500 VA			25000 VA					12
13					12500 VA			7500 VA			2	40 A	#8	LIGHTING PANEL LP-10 XFMR (15 KVA) (ELECTRICAL BUILDING)	14
15	SPARE	--	20 A	2		0 VA			7500 VA						16
17							0 VA			305 VA	3	20 A	#12	OVERHEAD DOOR (HEADWORKS)	18
19	FABRICATED SLIDE GATES, FSG-1-1 (100-MH SA-1)	#12	20 A	3	582 VA			305 VA							20
21						582 VA			305 VA						22
23							582 VA			942 VA	3	20 A	#12	EXHAUST FAN, EF-2-1 (HEADWORKS)	24
25	MAKE-UP AIR UNIT, MAU-2-1 (HEADWORKS)	#12	20 A	3	942 VA			942 VA							26
27						942 VA			942 VA						28
29							942 VA			1164 VA	3	20 A	#12	FABRICATED SLIDE GATES, FSG-3-1 ~ FSG-3-2 (GRIT PUMP ROOM)	30
31	FABRICATED SLIDE GATES, FSG-4-4 ~ FSG-4-5 (OXIDATION DITCH)	#12	20 A	3	1164 VA			1164 VA							32
33						1164 VA			1164 VA						34
35							1164 VA			1164 VA	3	20 A	#12	FABRICATED SLIDE GATES, FSG-8-1 ~ FSG-8-2 (UV STRUCTURE)	36
37	FRONT GATE OPERATOR	#12	20 A	3	1386 VA			1164 VA							38
39						1386 VA			1164 VA						40
41							1386 VA			1746 VA	3	20 A	#12	FABRICATED SLIDE GATES, FSG-4-1 ~ FSG-4-3 (OXIDATION DITCH)	42
43	TELESCOPING VALVES TV-13-1 ~ TV-13-3 (DIGESTER CONTROL BUILDING)	#12	20 A	3	1746 VA			1746 VA							44
45						1746 VA			1746 VA						46
47							1746 VA			2327 VA	3	20 A	#12	PLUG VALVES PV-3-3 ~ PV-3-6 (GRIT PUMP ROOM)	48
49	FABRICATED SLIDE GATES, FSG-2-1 ~ FSG-2-5 (HEADWORKS)	#10	20 A	3	2909 VA			2327 VA							50
51						2909 VA			2327 VA						52
53							2909 VA			--	1	--	--	SPACE	54
55	SPARE	--	20 A	3	0 VA			0 VA							56
57						0 VA			0 VA		3	20 A	--	SPARE	58
59							0 VA			0 VA					60
61	SPARE	--	20 A	3	0 VA			0 VA							62
63						0 VA			0 VA		3	20 A	--	SPARE	64
65							0 VA			0 VA					66
				Total Load:	51377 VA			58877 VA							
				Total Amps:	185 A			217 A							

ELECTRICAL BUILDING LIGHTING FIXTURE SCHEDULE

TAG/ID	DESCRIPTION
E4	LITHONIA CAT. NO. LHQM-LED-R-HO / ELA-T-SD-Q-L0309. COMBO EXIT/EMERGENCY LED, WHITE HOUSING W/ RED LETTERS, 50'F-104'F OPERATION, 90 MINUTE NI-CAD BATTERY, SELF-DIAGNOSTICS, TWIN LED HEADS. 120VAC, 4 WATTS. WIRE AHEAD OF SWITCH SERVING AREA. MOUNTED AT 8'-6" AFF.
E5	LITHONIA CAT. NO. EU2L. EMERGENCY LED, WHITE HOUSING, 50'F-104'F OPERATION, 90 MINUTE NI-CAD BATTERY, SELF-DIAGNOSTICS. 120VAC, 4 WATTS. WIRE AHEAD OF SWITCH SERVING AREA. MOUNTED AT 8'-6" AFF.
F1	LITHONIA CAT. NO. TWX1-LED-P2-40K-MVOLT-PE-DBLXD. LED WALL LUMINAIRE, PERFORMANCE PACKAGE 2, 4000K COLOR TEMPERATURE, MULTIVOLT, BUTTON-STYLE PHOTOCELL, BLACK FINISH. 22 WATTS. MOUNTED AT 9'-0" ABOVE GRADE.
L11	LITHONIA CAT. NO. FEM-L48-4000LM-IMACD-MD-MVOLT-40K-80CRI. LINEAR LED, 4000 LUMENS, ACRYLIC CLEAR DEEP LENS, MEDIUM DISTRIBUTION, MULTIVOLT, 4000K COLOR TEMPERATURE, 80 COLOR RENDERING INDEX. 120V / 26 WATTS. SUSPENDED 10'-0" AFF.

1 2

ELECTRICAL BUILDING
ELECTRICAL
SCHEDULES AND DETAIL

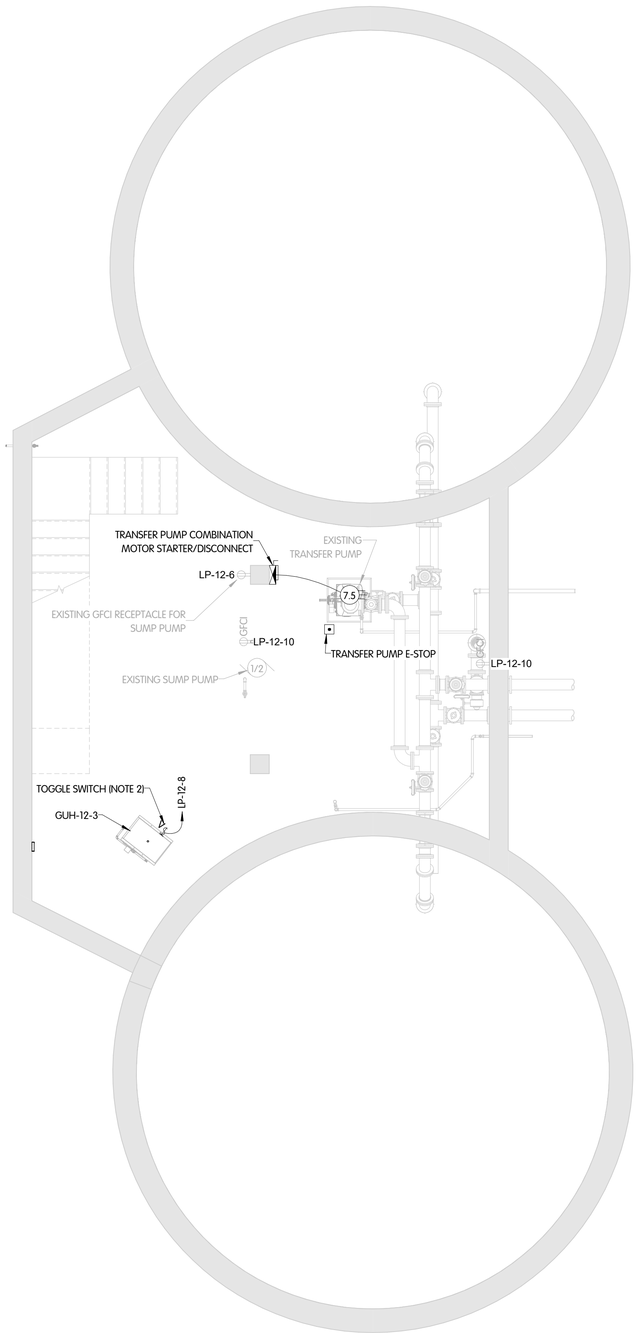
VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/7/26	ADDENDUM 1	JAH
2	10/9/26	ADDENDUM 2	JAH
3			
4			
5			

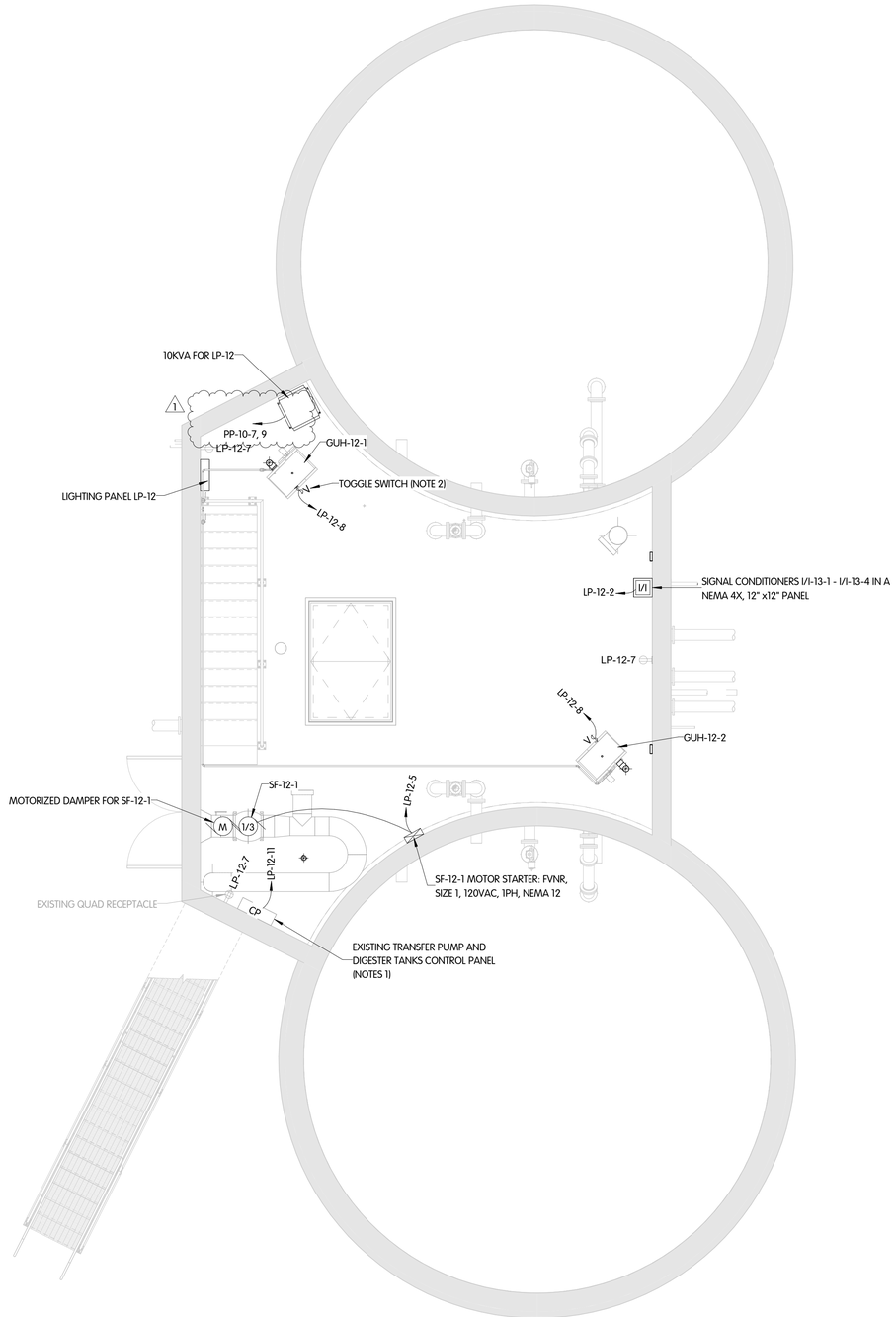
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JOB NO. 904-8119.002
SCALE AS INDICATED
THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE
DESIGNED | DRAWN | CHECKED EBK
STATUS: ISSUED FOR RE-BID
DATE: AUGUST 2026
SHEET NO. E-10.3
218 OF 247

TOL-8119002_E10-E-10.3
10/28/2026 9:47:34 AM - PRILL
10/28/2026 9:05 AM



LOWER PLAN
1/4" = 1'-0"



UPPER PLAN
1/4" = 1'-0"

NOTES:
1. THE CONTRACTOR SHALL VERIFY EXISTING TRANSFER PUMP AND DIGESTER TANKS CONTROL PANEL WIRING PRIOR TO CONSTRUCTION.
2. PROVIDE TOGGLE SWITCH WITH LOCKING HASP. TYPICAL OF ALL GAS UNIT HEATERS.

DIGESTER CONTROL BUILDING
ELECTRICAL
POWER PLANS

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/2	ADDENDUM 3	JAH

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JOB NO.: 904-8119.002

SCALE: 1/4" = 1'-0"

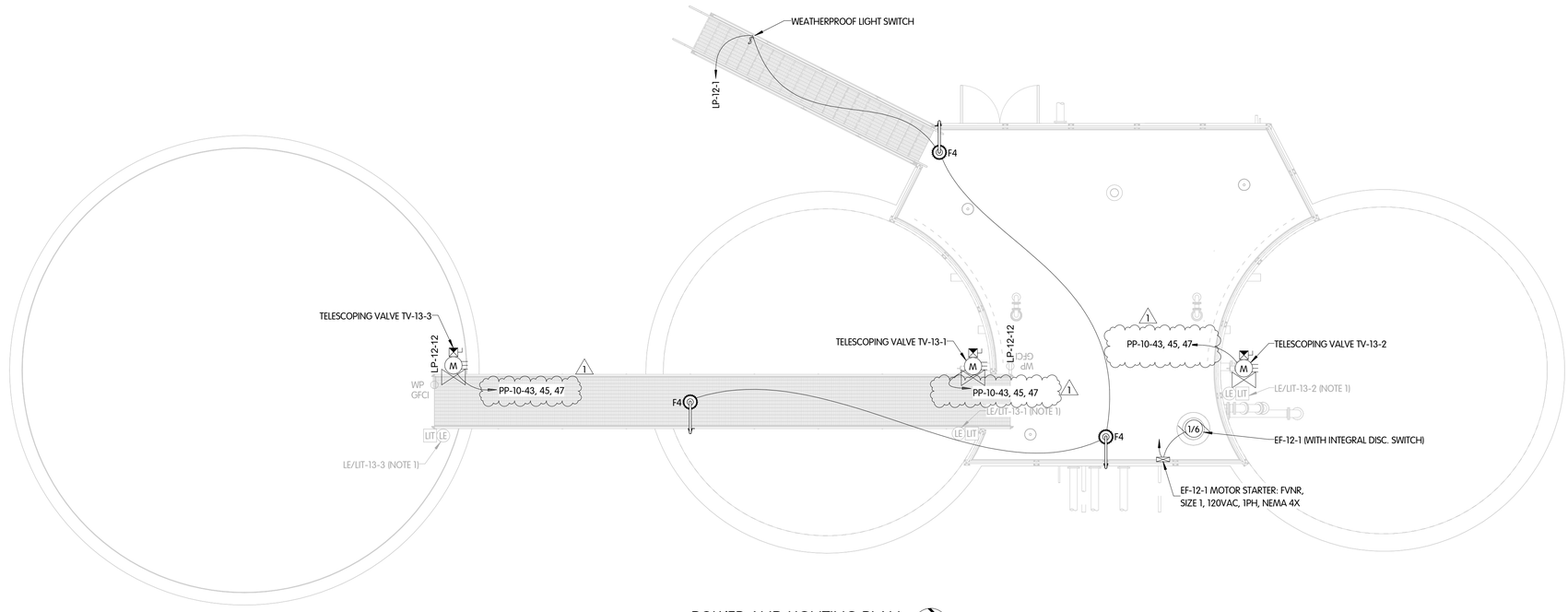
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DESIGNED	DRAWN	CHECKED
EBK	RGW	EBK

STATUS: ISSUED FOR RE-BID
DATE: AUGUST 2026

SHEET NO.
E-12.1
219 OF 247

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10/28/2026 9:42:16 AM



POWER AND LIGHTING PLAN
3/16" = 1'-0"

NORTH

NOTE:
1. FINAL LOCATION OF SENSOR AND TRANSDUCER TO BE CONFIRMED WITH OWNER PRIOR TO INSTALLATION.

DIGESTER CONTROL BUILDING
ELECTRICAL
ROOF POWER AND LIGHTING PLAN

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/2	ADDENDUM 3	JAH

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JOB NO.: 904-8119.002

SCALE: 3/16" = 1'-0"

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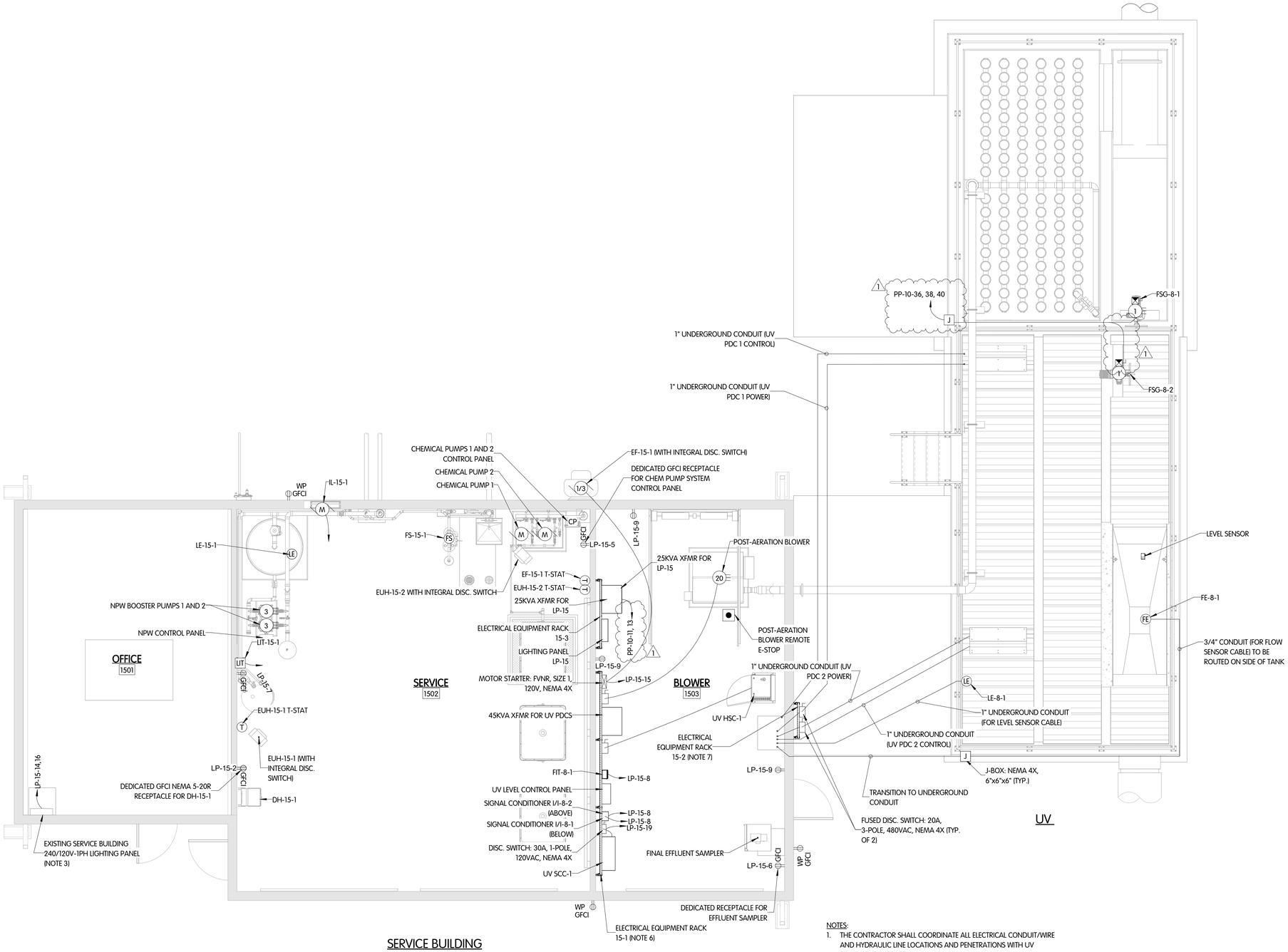
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EBK	RGW	EBK

STATUS: ISSUED FOR RE-BID

DATE: AUGUST 2026

SHEET NO.
E-12.2
220 OF 247

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SERVICE BUILDING

NOTES:

1. THE CONTRACTOR SHALL COORDINATE ALL ELECTRICAL CONDUIT/WIRE AND HYDRAULIC LINE LOCATIONS AND PENETRATIONS WITH UV EQUIPMENT SUPPLIER.
2. ALL EXISTING RECEPTACLES, LIGHTS, PANELS, AND MOTORIZED O/H DOORS IN WEST AND CENTER ROOMS OF SERVICE BUILDING TO REMAIN IN PLACE. ALL NEW DEVICES SHOWN IN WEST AND CENTER ROOMS ON THIS PLAN ARE IN ADDITION TO EXISTING ITEMS.
3. EXISTING SERVICE BUILDING 240/120V-1PH LIGHTING PANEL TO BE RE-FED VIA LP-15.

GROUNDING PLAN

1/4" = 1'-0"

SERVICE BUILDING AND UV
ELECTRICAL
POWER PLAN

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	10/30/25	ADDENDUM 3	JAH

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JOB NO.: 904-8119.002

SCALE: 1/4" = 1'-0"

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DESIGNED	DRAWN	CHECKED
EBK	RGW	EBK

STATUS: ISSUED FOR RE-BID

DATE: AUGUST 2026

SHEET NO.

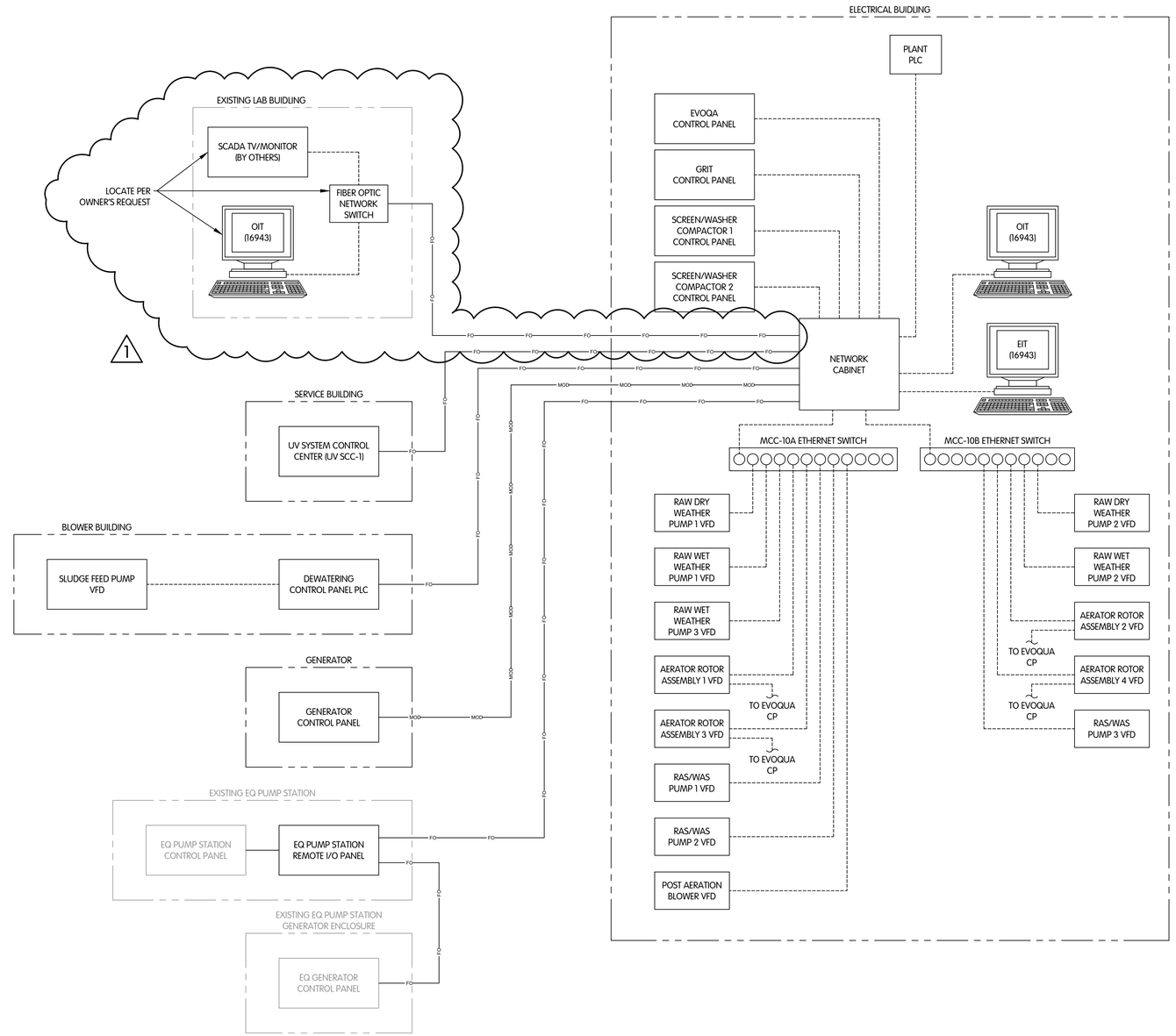
E-15.2

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NETWORK DIAGRM LEGEND

----------	CAT 5/CAT 6 ETHERNET CABLE
MOD MOD	MODBUS
FO	FIBER OPTIC
- - - - - -	FUTURE
OIT	OPERATOR INTERFACE TERMINAL
EIT	ENGINEER INTERFACE TERMINAL



INSTRUMENTATION AND CONTROL PLANT NETWORK DIAGRAM

VILLAGE OF OAK HARBOR, OHIO
WASTEWATER TREATMENT PLANT

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
5			
4			
3			
2			
1	10/27/26	ADDENDUM 3	EBK

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JOB NO. 904-8119.002

SCALE NONE

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DESIGNED	DRAWN	CHECKED
EBK	RGW	EBK

STATUS: ISSUED FOR RE-BID

DATE: AUGUST 2026

SHEET NO.

I-2

234 OF 247

TOL-8119002_I02-I-2 - PLANT NETWORK DIAGRAM
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10/28/2026 9:32 AM