
Village of Blanchester, OH
Reservoir 3 Improvements

ADDENDUM 2

August 14, 2026

Planholders on the Village of Blanchester, OH, Reservoir 3 Improvements 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

All questions and answers can be found in the Pre-Bid Questions document.

SPECIFICATIONS

Replace the following specifications with the attached:

- C-800 - Exhibit 1 Davis Bacon Wage Rates
- C-800 - Exhibit 1A Ohio Prevailing Wage Rates
- 01043 - Coordination and Control of the Work
- 01310 - Construction Schedules and Documentation
- 02200 - Excavation and Backfill
- 02555 - Pressure Pipe
- 03300 – Cast in Place Concrete

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-3	9 of 14
C-4	10 of 14
C-5	11 of 14
S-1	12 of 14
S-2	13 of 14
S-3	14 of 14

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

**VILLAGE OF BLANCHESTER, OH
RESERVOIR 3 IMPROVEMENTS
PRE-BID QUESTIONS**

1. What is the tolerance for levelness for the spillway slab? Not in specifications.
See part 3.06, F of spec. section 03300.
2. Plans show a stepped construction joint, can a detail be added showing the stepped construction joint?
Joints are detailed on the drawings, further detailing can be provided during construction, if required.
3. Does the Village have a location for spoils and borrow?
The Village has indicated that borrow and spoils can be achieved near Reservoir 6, approximately 0.75 miles away
4. How far down is the reservoir going to be drained?
See Addendum 2, revised Specification Section 01043
5. Will spoils or borrow need to be compacted, pushed off with dozer, etc.?
See Addendum 2, revised Specification Section 02200
6. Is pumping done by Village or contractor?
See Addendum 2, revised Specification Section 01043
7. Can contractor use pump provided by Village?
See Addendum 2, revised Specification Section 01043
8. Will the Bid Opening be in the same room as Pre-Bid meeting?
Yes
9. What concrete method will be used when constructing the toe wall?
The wall at the base of the spillway is to be formed per section 03100. Refer to notes 1 and 2 of Section 1 on sheet S-3, and Part 4 of section 03300.
10. Will the contractor have to wait to begin clearing the site until after Indian Bat season?
See Addendum 1, revised Specification Section 01043
11. Please confirm the acceptable materials for the underdrain piping system, including underdrains, cleanouts, vents, and associated fittings. The specifications identify underdrain pipe as Contech A-2000 or approved equal, while Plan Sheet C-3 specifies 6-inch Schedule 80 PVC for vent pipes. Because these materials are not readily compatible, please confirm whether the Contractor may utilize a single PVC pipe material throughout the system (e.g., SDR-35, SDR-26, or Schedule 40 PVC) or provide the required transition detail between the specified materials.
See Addendum 2, revised Sheet C-3 and revised Specification Section 02555
12. 02555 Pressure Pipe in the project manual section 2.07 underdrain pipe and joints requires Contech A2000 or equal. This is the only underdrain material specification I found in the project manual.
See Addendum 2, revised Sheet C-3 and revised Specification Section 02555

13. The isometric on plan sheet C-3 calls out schedule 80 pvc. Several other sheets call out perforated pvc.

See Addendum 2, revised Sheet C-3 and revised Specification Section 02555

14. What pipe material is required for the spillway underdrain?

See Addendum 2, revised Sheet C-3 and revised Specification Section 02555

15. Plan sheet C-3 and C-5 call out A33 Sand for the perforated pipe. 02200 2.04 Aggregate Bedding material has a gradation for Sand Backfill. Is 02200 Sand Backfill the same as A33 Sand? What are the requirements for "A33 Sand"?

See Addendum 2, revised Specification Section 02200 and revised Sheets C-3, C-5 and S-3

16. I did not see a detail for the 6" underdrain where it passes through the side wall foundation. Will there be wall sleeves, wall pipes or just 6" pvc pipes through the wall?

See Addendum 2 revised Sheet C-4

17. Spec section 3100 says the earth cannot be used as a vertical form face. Does this mean the cutoffs and wings below grade must be over excavated to allow for form placement, and then grout or select fill be used to fill the resulting cavity, or will the cutoffs be permitted to be placed in excavated trenches?

See Specification Section 3100

18. Will the contractor be permitted access to the site on government holidays that are not observed by the trade unions as paid holidays, such as Martin Luther King Day etc.?

See Addendum 2, revised Specification Section 01310

19. Will the contractor be permitted to work and have access on the weekends?

See Addendum 2, revised Specification Section 01310

20. Is the cost of vacuum testing of manholes incidental to their installation?

Yes

21. Pours are not permitted to have an interruption of 30 minutes or greater to prevent a cold joint. Can the contractor illustrate the liquid state of existing concrete should this occur? If not, what is the remedy for a 30 minute gap in placements?

See Addendum 2, revised Specification Section 03300

22. Who pays for the FF and FL testing? Could a spec for flatness along a 10 foot straight edge (such as 1/4" in 10') be used instead since anyone can determine that in the field?

See Specification Section 03300

23. Is the 2" bonding grout (required at all horizontal joints) a maximum? In the bottom of taller wall forms, it will be difficult to ascertain the thickness of the grout. Additionally, the extreme sloped sections may cause slumping and pooling of the grout in lower areas. Is there an acceptable alternative to prevent these issues and ensure the bonding? Would the keyway, waterstop, and rebar be sufficient in the walls?

See Addendum 2, revised Sheet S-1

24. Could it be considered to adhesive dowel the baffle block reinforcing after the slabs to facilitate placement of the spillway slabs?

Assume embedded dowels for bidding.

25. The two borings where rock info is given gives wildly different elevations. Can we get the Geotech report for all 4 borings at the spillway that will include RQD and other info necessary to determine how much excavation is rock and what effort will be required to remove it? Are we understanding correctly that all rock excavation must be grouted back w Class B concrete? No embankment can be used to backfill in rock excavation areas?

The geotechnical information provided is all that is available. See Addendum 2, revised Sheet S-3

26. We don't see where the cutoff wall vertical joints are detailed anywhere. Are we to assume all cutoff wall vertical joints are type 4?

See Addendum 2, revised Sheet S-1 and S-3

27. If sheet piling is utilized for temporary cofferdams, can those sheets be extracted, or will they have to be cut off below grade? Previous reservoir projects would not allow for sheet extraction.

See Addendum 2, revised Specification Section 02200

28. Where the east and west side cutoff walls meet the downstream cutoff, there is a joint drawn with hidden line on the plan view but no corner detail. Should this be a type 4 joint?

See Addendum 2, revised Sheet S-3

29. Where the wings from section 9 and 11 meet the east and west spillway walls, can they be joined to the spillway walls in the same way the lower walls (section 5 and 7) join with adhesive dowels? The issue is the spillway walls have two horizontal joints in them at the bottom and top of slab and the section 9 and 11 walls have no horizontal joints.

See Addendum 2, revised Sheet S-3

30. Where the cutoff walls on section 5 and 7 meet the spillway walls there is no detail. Are these adhesive dowels like the walls above? Is this a no waterstop joint?

See Addendum 2, Sheet S-3

31. Are the east and west spillway walls supposed to have a vertical joint coincident with the slab joints? It appears the walls have a vertical joint coincident with the lower most slabs but one doesn't seem to be shown at the slab joint between the upper most slabs.

See Addendum 2, revised Sheet S-3

32. Does the aggregate for the underdrain backfill have to be in neat vertical lifts as shown in the plans, or can this be laid back?

As shown

33. Can all of the wall pipes have the same type of inlet and outlet joints, or do they need to be different as shown on the details (FLxMJ, MJxPE, FLxPE)?

See Addendum 2, revised Sheet C-5

34. Plan sheet S-3 calls for 6" Stainless Steel Weep Hole Sleeves With Integral Stainless Steel Screens Each Side. It looks like the screen on one side will retain the sand and I guess the screen on the other side will keep rodents out. What are the material requirements for the sleeves and screens (pipe gauge/thickness, screen opening sizes, etc.)? Is there a product or manufacturer for basis of design?

See Addendum 2, revised Sheet S-3

35. Please clarify what A33 Sand is? Does ODOT 703.02 fine aggregate natural stone or manufactured from limestone meet your requirements?

See Addendum 2, revised Specification Section 02200 and revised Sheets C-3, C-5 and S-3

36. At the downstream spillway slab there is a bent bar shown above the cutoff wall in the bottom mat with no label. One would assume it is a #7 at 12" spacing but no dimensions are given either, can this be provided?

See Addendum 2, revised Sheet S-3

37. In the ramp slab, can the upper dowels to the spillway wall be adhesive dowels? This would save multiple wall penetrations through the upper spillway walls for those bars.

See Addendum 2, revised Sheet S-3

38. The ramps come to a point at the bottom. Usually this leads to cracking off at the joint. Should a provision be made to create a depression in the lower slab to allow for the ramp to end at 3-4" thick instead of a sharp point?

See Addendum 2, revised Sheet S-3

39. Can the selected backfill material be assumed to come from the site?

See Addendum 2, revised Specification Section 02200

40. Can existing spillway drawings be made available?

No drawings were able to be found

41. Do the dissipator blocks require chamfer the same as the walls and slabs?

Yes

42. If the contractor can demonstrate the ability to support the waterstop in slab and walls by other means, can the extra 2 number 5 bars be omitted?

See Addendum 2, revised Sheet S-1

43. The 9" waterstop (type A) is shown on S1 in the slabs and walls (typical construction joint details). But in the details on S-3 the waterstop is called out as type b (6") and joints are all shown as type 2 in the wall joints. Should all non-expansion joints have the type b?

See Addendum 2, revised Sheet S-1

44. Where does the waterstop terminate? For example, the wall joints have waterstop in them that does not carry through the slab. Should they penetrate the slab by 3" to avoid interference w reinforcing? The slab joints have waterstop does it carry through under the walls all the way to the slab edge? The keyways and type c waterstop in the walls: do they go to the end of the wall leaving the type c exposed on the ends or do they terminate inside the wall 6" or so?

See Addendum 2, revised Sheet S-3

45. Should the contractor assume to strip 6" or 12" of topsoil? Under section 02200 it calls for 12", but under section 02202 it calls for 6".

See Addendum 2, revised Specification Section 02200.

46. Will the contractor be allowed to drill and epoxy the vertical #5 reinforcing steel for dissipater blocks into the spillway slab instead of the cast-in-place bars shown on 1/S-2? This will make it easier to get a good finish on the spillway slab and to ensure proper clearance for the reinforcing steel.

R00854-07532-01
08/2026

Addendum 2
Blanchester, OH
Reservoir 3 Improvements

Assume embedded dowels for bidding.

"General Decision Number: OH20260064 05/18/2026

State: Ohio

Construction Types: Building

Counties: Ohio Counties of
Clinton, Highland, Hocking and Jackson

Modification Number	Publication Date
0	01/02/2026
1	05/18/2026

ASBE0080-001 02/24/2025

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR.....	\$ 38.05	30.87

BROH0039-004 06/01/2017

	Rates	Fringes
BRICKLAYER (CLINTON, HIGHLAND, AND HOCKING COUNTIES).....	\$ 30.18	20.23

BROH0039-005 06/01/2022

	Rates	Fringes
BRICKLAYER (JACKSON COUNTY).....	\$ 34.00	17.36

BROH0055-007 06/01/2023

	Rates	Fringes
TILE SETTER.....	\$ 29.92	16.77
TILE FINISHER.....	\$ 28.31	10.45

ELEC0575-004 05/29/2023

	Rates	Fringes
ELECTRICIAN (EXCLUDES LOW VOLTAGE WIRING AND INSTALLATION OF ALARMS).....	\$ 37.00	22.26

ELEC0972-008 06/01/2024

	Rates	Fringes
ELECTRICIAN (LOW VOLTAGE WIRING AND ALARM INSTALLATION ONLY).....	\$ 40.00	33.32

ELEV0011-002 01/01/2025

	Rates	Fringes
ELEVATOR MECHANIC PAID HOLIDAYS: A. NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERN'S DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING, AND CHRISTMAS DAY. B. EMPLOYER CONTRIBUTES 8% OF REGULAR HOURLY RATE TO VACATION PAY CREDIT FOR EMPLOYEE WHO HAS WORKED IN BUSINESS MORE THAN 5 YEARS; 6% FOR LESS THAN 5 YEARS' SERVICE.....	\$ 57.41	38.44

ENGI0018-022 05/01/2024

	Rates	Fringes
POWER EQUIPMENT OPERATOR: FORKLIFT.....	\$ 42.98	16.41
POWER EQUIPMENT OPERATOR: CRANE.....	\$ 44.14	16.41
POWER EQUIPMENT OPERATOR (BOBCAT/SKID STEER/SKID LOADER; BULLDOZER).....	\$ 44.02	16.41

IRON0550-012 05/01/2025

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

IRON0769-001 06/01/2025

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 39.70	29.59

LAB00083-003 06/01/2024

	Rates	Fringes
LABORER (COMMON OR GENERAL; MASON TENDER - BRICK & CEMENT/CONCRETE).....	\$ 40.97	14.10

PAIN0093-003 12/01/2024

	Rates	Fringes
PAINTER: BRUSH AND ROLLER.....	\$ 30.28	24.46

PAIN1195-001 12/01/2024

Rates	Fringes
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GLAZIER.....	\$ 32.89	14.33

PLUM0162-003 06/01/2024		
	Rates	Fringes
PIPEFITTER: EXCLUDES HVAC PIPE INSTALLATION.....	\$ 43.05	27.18

PLUM0189-003 06/01/2025		
	Rates	Fringes
PIPEFITTER: EXCLUDES HVAC PIPE INSTALLATION (HOCKING COUNTY).....	\$ 53.00	27.59

PLUM0577-003 06/01/2025		
	Rates	Fringes
PLUMBER (INCLUDES HVAC PIPE INSTALLATION).....	\$ 38.89	28.56

PLUM0577-004 06/01/2025		
	Rates	Fringes
PIPEFITTER: EXCLUDES HVAC PIPE INSTALLATION (HIGHLAND AND JACKSON COUNTIES).....	\$ 38.89	28.56

SFOH0669-009 04/01/2025		
	Rates	Fringes
SPRINKLER FITTER (FIRE SPRINKLERS).....	\$ 48.28	28.08

SHEE0024-010 06/01/2022		
	Rates	Fringes
SHEET METAL WORKER (HVAC DUCT AND UNIT INSTALLATION ONLY).....	\$ 33.53	26.36

SHEE0033-008 06/01/2022		
	Rates	Fringes
SHEET METAL WORKER (EXCLUDES HVAC DUCT AND UNIT INSTALLATION).....	\$ 31.73	27.44

SUOH2012-066 08/29/2014		
	Rates	Fringes
TRUCK DRIVER: DUMP (ALL TYPES).....	\$ 19.33	6.55
OPERATOR: PAVER (ASPHALT, AGGREGATE, AND CONCRETE).....	\$ 23.91	10.42
OPERATOR: LOADER.....	\$ 22.69	8.01
OPERATOR: BACKHOE/EXCAVATOR/TRACKHOE.....	\$ 29.18	10.69
LABORER: PIPELAYER.....	\$ 18.37	4.79

DRYWALL HANGER AND METAL STUD INSTALLER.....	\$ 22.27	14.40
DRYWALL FINISHER/TAPER.....	\$ 20.66	4.91
CARPENTER.....	\$ 25.80	12.54

UAVGOH0001 01/01/2019

	Rates	Fringes
IRONWORKER: REINFORCING.....	\$ 29.44	22.68

UAVGOH0002 01/01/2019

	Rates	Fringes
ROOFER.....	\$ 30.19	15.73

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

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

Note: Executive Order 13658 generally applies to contracts subject to the Davis-Bacon Act that were awarded on or between January 1, 2015 and January 29, 2022, and that have not been renewed or extended on or after January 30, 2022. Executive Order 13658 does not apply to contracts subject only to the Davis-Bacon Related Acts regardless of when they were awarded. If a contract is subject to Executive Order 13658, the contractor must pay all covered workers at least \$13.65 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract from May 11, 2026, through December 31, 2026. The applicable Executive Order minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker

protections under Executive Order 13658 is available at www.dol.gov/whd/govcontracts.

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

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

Union Rate Identifiers

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

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

Union Average Rate Identifiers

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

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

Survey Rate Identifiers

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

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

State Adopted Rate Identifiers

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

WAGE DETERMINATION APPEALS PROCESS

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

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

and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

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

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

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

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

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

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

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

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

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END OF GENERAL DECISION

"

Prevailing Wage Rate Skilled Crafts

Name of Union: Asbestos Local 207

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Asbestos Worker

Effective Date:
7/8/2026

Effective Date:
7/8/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Asbestos Abatement	\$35.25		\$11.20	\$7.50	\$1.00	\$4.00	\$0.00	\$0.05	\$0.00	\$0.00	\$59.00	\$76.63
Apprentice	BHR	Percent										
Trainee 1 Year - 600 Hrs	\$25.00	\$70.92	\$11.20	\$1.90	\$1.00	\$1.00	\$0.00	\$0.05	\$0.00	\$0.00	\$40.15	\$52.65

(*)Special Calculation Note :

Other: Drug Testing

Ratio :

3 Journeymen to 1 Trainee

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

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

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

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

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

Details :

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

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

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

Prevailing Wage Rate Skilled Crafts

Name of Union: Asbestos Local 50 Heat & Frost Insulators

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Asbestos Worker

Effective Date:
7/15/2026

Effective Date:
7/15/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Asbestos Insulation Mechanic	\$42.85		\$10.20	\$10.10	\$0.55	\$0.00	\$5.25	\$0.00	\$0.00	\$0.00	\$68.95	\$90.38
Firestop Technician	\$42.85		\$10.20	\$10.10	\$0.55	\$0.00	\$5.25	\$0.00	\$0.00	\$0.00	\$68.95	\$90.38
Apprentice	BHR	Percent										
1st year	\$27.91	\$65.13	\$9.80	\$4.52	\$0.50	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$43.23	\$57.19
2nd year	\$32.57	\$76.00	\$9.80	\$4.52	\$0.50	\$0.00	\$0.85	\$0.00	\$0.00	\$0.00	\$48.24	\$64.53
3rd year	\$37.23	\$86.88	\$9.80	\$6.76	\$0.50	\$0.00	\$1.25	\$0.00	\$0.00	\$0.00	\$55.54	\$74.16
4th year	\$39.56	\$92.32	\$9.80	\$6.76	\$0.50	\$0.00	\$1.50	\$0.00	\$0.00	\$0.00	\$58.12	\$77.90

(*)Special Calculation Note :

Ratio :

1 Journeymen to 1 Apprentice
4 Journeymen to 1 Apprentice thereafter

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

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

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Boilermaker Local 105

Type of Rate: Commercial

Change #:
LCN02-2013fb

Craft:
Boilermaker

Effective Date:
10/1/2013

Effective Date:
10/1/2013

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

(*)Special Calculation Note :

Other is Supplemental Health and Welfare

Ratio :

5 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

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

Type of Rate: Commercial

Change #:
LCN01-2024ib

Craft:
Bricklayer

Effective Date:
7/1/2024

Effective Date:
7/1/2024

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Tile Marble Terrazzo Finisher	\$27.78		\$3.70	\$6.86	\$0.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.83	\$52.72
Base Machine	\$28.28		\$3.70	\$6.86	\$0.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.33	\$53.47
Apprentice	BHR	Percent										
1st 6 months 0-600 hrs	\$16.67	\$60.00	\$3.70	\$0.00	\$0.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20.86	\$29.19
2nd 6 months 601-1200 hrs	\$18.06	\$65.00	\$3.70	\$0.00	\$0.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.25	\$31.28
3rd 6 months 1201-1800 hrs	\$19.45	\$70.00	\$3.70	\$6.86	\$0.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30.50	\$40.22
4th 6 months 1801-2400	\$20.84	\$75.02	\$3.70	\$6.86	\$0.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.89	\$42.31
5th 6 months 2401-3000 hrs	\$22.22	\$80.00	\$3.70	\$6.86	\$0.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$33.27	\$44.39
6th 6 months 3001-3600 hrs	\$25.00	\$90.00	\$3.70	\$6.86	\$0.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.05	\$48.55
TMT Helper - May enter Apprentice Program after 90 day completion	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
First 90 Days	\$12.50	\$45.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12.50	\$18.75

(*)Special Calculation Note :

Classification title contains "Bricklayer" because contract originates within the Bricklayer Local. Note that the classification description is clarified after the local union number at the top of the page. ***Medical Savings Account***: The Medical Savings Account can only be deducted providing employee shows proof voluntary enrollment in the program. Minimum contribution of \$1.00 per hourworked with no maximum.

Ratio :

1 Journeyman 1 Apprentice 5 Journeyman 1 Apprentice 10 Journeyman 2 Apprentice 15 Journeyman 3 Apprentice 20
Journeyman 4 Apprentice 25 Journeyman 5 Apprentice 8 Employees 1 Helper

Jurisdiction (* denotes special jurisdictional note) :

Auglaize, Champaign, Clark, Clinton, Darke, Greene, Hardin, Highland, Logan, Mercer, Miami, Montgomery, Preble*, Shelby

Special Jurisdictional Note :

In Preble County the following townships are included: (Jackson, Monroe, Harrison, Twin and Washington)

Details :

Tile Layer Finishers shall do mixing of mortars & adhesives, cleaning & grouting of tile, unloading of all trucks, unpacking & handling of all tile & materials such as sand, lime, cement, tile, & all types of tile panels, prefabricated on job site.
Marble Setter Finishers shall do all cleaning, waxing & polishing, grouting and pointing.

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 23 (Dayton Tile Mechanic)

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Bricklayer

Effective Date:
7/1/2026

Effective Date:
7/1/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Tile Marble Terrazzo Mechanics	\$34.81		\$10.07	\$7.29	\$0.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52.85	\$70.25
Terrazzo Worker	\$30.98		\$10.07	\$7.29	\$0.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$49.02	\$64.51
Apprentice	BHR	Percent										
1st 6 Months	\$20.89	\$60.00	\$10.07	\$7.29	\$0.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.93	\$49.38
2nd 6 Months	\$22.63	\$65.00	\$10.07	\$7.29	\$0.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.67	\$51.98
3rd 6 Months	\$24.37	\$70.00	\$10.07	\$7.29	\$0.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42.41	\$54.59
4th 6 Months	\$26.11	\$75.00	\$10.07	\$7.29	\$0.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.15	\$57.20
5th 6 months	\$27.85	\$80.00	\$10.07	\$7.29	\$0.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.89	\$59.82
6th 6 months	\$29.59	\$85.00	\$10.07	\$7.29	\$0.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$47.63	\$62.42
7th 6 months	\$31.33	\$90.00	\$10.07	\$7.29	\$0.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$49.37	\$65.03
8th 6 months	\$33.07	\$95.00	\$10.07	\$7.29	\$0.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$51.11	\$67.65

(*)Special Calculation Note :

Ratio :

5 Journeymen to 1 Apprentice
10 Journeymen to 2 Apprentice
15 Journeymen to 3 Apprentice
20 Journeymen to 4 Apprentice
25 Journeymen to 5 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Champaign, Clark, Clinton, Darke, Greene, Highland, Logan, Miami, Montgomery, Preble*, Shelby

Special Jurisdictional Note :

In Preble County the following townships are included: (Jackson, Jefferson, Monroe, Harrison, Twin and Washington)

Details :

**** (Tile layers work)** the laying, cutting or setting of all tile where used for floors, walls, ceilings, walks, promenade roofs, stair treads, stair risers, facings, hearths, fireplaces & decorative inserts together with any marble plinths, thresholds or window stools used in connection with any tile work. The building, shaping forming construction or repairing of all fireplace work, whether in connection with a mantel hearth facing or not, & the setting & preparing of all material such as cement, plaster, mortar, brickwork, iron work or other materials necessary for the proper, safe construction & completion of such work: except that a mantel made exclusively of brick, marble or stone shall be conceded to be bricklayers, marble setters or stonemasons' work respectively. **** Marble, mosaic, venetian enamel & terrazzo.** Cutting and assembling of mosaics. All rolling of terrazzo work. **** Caulking** of all expansion, perimeter & angle joints shall be the exclusive work of the tile mechanic. **** Marble masons** shall consist of carving, cutting & setting of all marble, slate (including blackboards) stone, albereen, carrara, sanionyx, vitrolite & similar opaque glass, scagliola, what ever thickness or dimension.

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 23 (Dayton)

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Bricklayer

Effective Date:
6/17/2026

Effective Date:
6/17/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Stone Mason Refractory	\$35.85		\$11.00	\$8.09	\$0.72	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$56.16	\$74.09
Pointer/Caulker/Cleaner	\$35.85		\$11.00	\$8.09	\$0.72	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$56.16	\$74.09
Improver Apprentices 25 day probationary period then	\$		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1st 6 months	\$23.30		\$11.00	\$0.00	\$0.57	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$35.37	\$47.02
2nd 6 months	\$26.89		\$11.00	\$0.00	\$0.57	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$38.96	\$52.41
3rd 6 months	\$30.47		\$11.00	\$6.49	\$0.57	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$49.03	\$64.27
4th 6 months	\$34.06		\$11.00	\$6.49	\$0.57	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$52.62	\$69.65
Apprentice	BHR	Percent										
1st 6 months	\$25.10	\$70.02	\$11.00	\$0.00	\$0.62	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$37.22	\$49.77
2nd 6 months	\$26.53	\$74.00	\$11.00	\$0.00	\$0.62	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$38.65	\$51.91
3rd 6 months	\$27.96	\$78.00	\$11.00	\$6.79	\$0.62	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$46.87	\$60.85
4th 6 months	\$29.40	\$82.00	\$11.00	\$6.79	\$0.62	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$48.31	\$63.01
5th 6 months	\$30.83	\$86.00	\$11.00	\$6.79	\$0.62	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$49.74	\$65.16
6th 6 months	\$32.27	\$90.00	\$11.00	\$6.79	\$0.62	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$51.18	\$67.31
7th 6 months	\$33.70	\$94.00	\$11.00	\$6.79	\$0.62	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$52.61	\$69.46
8th 6 months	\$35.13	\$98.00	\$11.00	\$6.79	\$0.62	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$54.04	\$71.61
Mason Trainee 1-90 Days	\$16.13	\$45.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$16.63	\$24.70
91-365 Days	\$16.13	\$45.00	\$11.00	\$0.00	\$0.00	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$27.63	\$35.70
2nd Year	\$17.93	\$50.00	\$11.00	\$0.00	\$0.00	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$29.43	\$38.39

(*)Special Calculation Note :

Apprentice and Apprentice Improver - Health and Welfare after 30 days
Mason Trainees - Health and Welfare after 90 days

Ratio :

Bricklayer Stone Mason Refractory Worker:

- 1-2 Journeymen to 1 Apprentice
- 3-4 Journeymen to 2 Apprentice
- 5-6 Journeymen to 2 Apprentice
- 7-10 Journeymen to 3 Apprentice

Mason Trainee Ratio:

- 1 Apprentice permits 1 Mason Trainee
- 2 Apprentice permits 1 Mason Trainee
- 3 Apprentice permits 2 Mason Trainee
- 4 Apprentice permits 2 Mason Trainee

In order to utilize a Pre-Apprentice, you must have 1 registered apprentice in your employ.

Ratio of Improver Apprentices to Journeymen in no case shall there be no more than 1 Improver Apprentice to 6 Journeymen

Jurisdiction (* denotes special jurisdictional note) :

Champaign, Clark, Clinton, Darke, Greene, Highland, Logan, Miami, Montgomery, Preble*, Shelby

Special Jurisdictional Note :

In Preble County the following townships are included: Jackson, Monroe, Harrison, Twin, Jefferson and Washington

Details :

Apprentice Ratio's covers: Bricklayer, Stone Mason, Refractory worker and Pointer, Cleaner, Caulker

Prevailing Wage Rate Skilled Crafts

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

Type of Rate: Commercial

Change #:
LCN02-2026ib

Craft:
Bricklayer

Effective Date:
6/10/2026

Effective Date:
6/10/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason Bricklayer Sewer Water Works A	\$35.31		\$10.71	\$10.14	\$0.59	\$0.00	\$1.80	\$0.00	\$0.00	\$0.00	\$58.55	\$76.21
Apprentice	BHR	Percent										
1st year	\$24.72	\$70.00	\$10.71	\$10.14	\$0.59	\$0.00	\$1.80	\$0.00	\$0.00	\$0.00	\$47.96	\$60.32
2nd year	\$28.25	\$80.00	\$10.71	\$10.14	\$0.59	\$0.00	\$1.80	\$0.00	\$0.00	\$0.00	\$51.49	\$65.62
3rd year	\$31.78	\$90.00	\$10.71	\$10.14	\$0.59	\$0.00	\$1.80	\$0.00	\$0.00	\$0.00	\$55.02	\$70.91

(*)Special Calculation Note :

This rate is not for building construction.

This rate applies only to the Cement Masons. All other Bricklaying, PCC, Stone, Tile, Marble, Refractory, Industrial and all other applicable work performed will be performed under the applicable rates for those contracts.

Ratio :

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

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

Bricklayer Local 23 Heavy Hwy (A): Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site Heavy Construction, Airport Construction Or Railroad Construction Work.

Bricklayer Local 23 Heavy Hwy (B): Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work ,Pollution Control, Sewer Plant, Waste Plant, & Water Treatment Facilities, Construction.

Prevailing Wage Rate Skilled Crafts

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

Type of Rate: Commercial

Change #:
LCN02-2026ib

Craft:
Bricklayer

Effective Date:
6/10/2026

Effective Date:
6/10/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason Bricklayer Power Plants Tunnels Amuseme nt Parks B	\$36.31		\$10.71	\$10.14	\$0.60	\$0.00	\$1.80	\$0.00	\$0.00	\$0.00	\$59.56	\$77.72
Apprentice	BHR	Percent										
1st year	\$25.42	\$70.00	\$10.71	\$10.14	\$0.60	\$0.00	\$1.80	\$0.00	\$0.00	\$0.00	\$48.67	\$61.38
2nd year	\$29.05	\$80.00	\$10.71	\$10.14	\$0.60	\$0.00	\$1.80	\$0.00	\$0.00	\$0.00	\$52.30	\$66.83
3rd year	\$32.68	\$90.00	\$10.71	\$10.14	\$0.60	\$0.00	\$1.80	\$0.00	\$0.00	\$0.00	\$55.93	\$72.27

(*)Special Calculation Note :

This rate is not for building construction.

This rate applies only to the Cement Masons. All other Bricklaying, PCC, Stone, Tile, Marble, Refractory, Industrial and all other applicable work performed will be performed under the applicable rates for those contracts.

Ratio :

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

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

Bricklayer Local 23 Heavy Hwy (A): Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site Heavy Construction, Airport Construction Or Railroad Construction Work.

Bricklayer Local 23 Heavy Hwy (B): Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work ,Pollution Control, Sewer Plant, Waste Plant, & Water Treatment Facilities, Construction.

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter & Pile Driver SW District HevHwy

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Carpenter

Effective Date:
5/1/2026

Effective Date:
5/1/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Journeym an	\$37.49		\$10.31	\$6.95	\$0.80	\$0.00	\$6.87	\$0.15	\$0.00	\$0.00	\$62.57	\$81.31
Apprentice	BHR	Percent										
1st 6 Months	\$26.24	\$70.00	\$10.31	\$6.95	\$0.80	\$0.00	\$6.87	\$0.15	\$0.00	\$0.00	\$51.32	\$64.44
2nd 6 Months	\$26.24	\$70.00	\$10.31	\$6.95	\$0.80	\$0.00	\$6.87	\$0.15	\$0.00	\$0.00	\$51.32	\$64.44
3rd 6 Months	\$29.99	\$80.00	\$10.31	\$6.95	\$0.80	\$0.00	\$6.87	\$0.15	\$0.00	\$0.00	\$55.07	\$70.06
4th 6 Months	\$29.99	\$80.00	\$10.31	\$6.95	\$0.80	\$0.00	\$6.87	\$0.15	\$0.00	\$0.00	\$55.07	\$70.06
5th 6 Months	\$33.74	\$90.00	\$10.31	\$6.95	\$0.80	\$0.00	\$6.87	\$0.15	\$0.00	\$0.00	\$58.82	\$75.69
6th 6 Months	\$33.74	\$90.00	\$10.31	\$6.95	\$0.80	\$0.00	\$6.87	\$0.15	\$0.00	\$0.00	\$58.82	\$75.69
7th 6 Months	\$35.62	\$95.00	\$10.31	\$6.95	\$0.80	\$0.00	\$6.87	\$0.15	\$0.00	\$0.00	\$60.70	\$78.51
8th 6 Months	\$35.62	\$95.00	\$10.31	\$6.95	\$0.80	\$0.00	\$6.87	\$0.15	\$0.00	\$0.00	\$60.70	\$78.51

(*)Special Calculation Note :

Other: UBC National Fund

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

Ratio :

1 Journeymen to 1 Apprentice

An employer shall have the right to employ one (1) Apprentice for one (1) Journeyman Carpenter in its employment for the first Apprentice employed, and 1 (1) Apprentice for two (2) Journeyman Carpenter for additional Apprentices employed. Thereafter, every third additional carpenter hired shall be an apprentice, if available, and if practical for the type of work being performed.

Jurisdiction (* denotes special jurisdictional note) :

Brown, Butler, Champaign, Clark, Clermont, Clinton, Darke, Greene, Hamilton, Logan, Miami, Montgomery, Preble, Shelby, Warren

Special Jurisdictional Note :

Details :

Highway Construction, Airport Construction, Heavy Construction but not limited to: (tunnels, subways, drainage projects, flood control, reservoirs).

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

Industrial & Building Site, Power Plant, Amusement Park, Athletic Stadium Site, Sewer and Water Plants.

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter & Pile Driver SW Zone 2

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Carpenter

Effective Date:
6/10/2026

Effective Date:
6/10/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Carpenter & Piledriver	\$34.59		\$10.03	\$6.95	\$0.80	\$0.00	\$4.28	\$0.17	\$0.00	\$0.00	\$56.82	\$74.12
Apprentice	BHR	Percent										
1st 6 Months	\$24.21	\$70.00	\$10.03	\$2.00	\$0.80	\$0.00	\$4.28	\$0.17	\$0.00	\$0.00	\$41.49	\$53.59
2nd 6 Months	\$24.21	\$70.00	\$10.03	\$2.00	\$0.80	\$0.00	\$4.28	\$0.17	\$0.00	\$0.00	\$41.49	\$53.59
3rd 6 Months	\$27.67	\$80.00	\$10.03	\$5.56	\$0.80	\$0.00	\$4.28	\$0.17	\$0.00	\$0.00	\$48.51	\$62.35
4th 6 Months	\$27.67	\$80.00	\$10.03	\$5.56	\$0.80	\$0.00	\$4.28	\$0.17	\$0.00	\$0.00	\$48.51	\$62.35
5th 6 Months	\$31.13	\$90.00	\$10.03	\$6.26	\$0.80	\$0.00	\$4.28	\$0.17	\$0.00	\$0.00	\$52.67	\$68.23
6th 6 Months	\$31.13	\$90.00	\$10.03	\$6.26	\$0.80	\$0.00	\$4.28	\$0.17	\$0.00	\$0.00	\$52.67	\$68.23
7th 6 Months	\$32.86	\$95.00	\$10.03	\$6.60	\$0.80	\$0.00	\$4.28	\$0.17	\$0.00	\$0.00	\$54.74	\$71.17
8th 6 Months	\$32.86	\$95.00	\$10.03	\$6.60	\$0.80	\$0.00	\$4.28	\$0.17	\$0.00	\$0.00	\$54.74	\$71.17

(*)Special Calculation Note :

Other is for UBC National Fund

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Brown, Butler, Clermont, Clinton, Hamilton, Warren

Special Jurisdictional Note :

Details :

Carpenter duties shall include but not limited to: Pile driving, milling, fashioning, joining, assembling, erecting, fastening, or dismantling of all material of wood, plastic, metal, fiber, cork, and composition, and all other substitute materials: pile driving, cutting, fitting, and placing of lagging, and the handling, cleaning, erecting, installing, and dismantling of machinery, equipment, and erecting pre-engineered metal buildings.

Pile Drivers work but not limited to: unloading, assembling, erection, repairs, operation, signaling, dismantling, and reloading all equipment that is used for pile driving including pile butts. pile butts is defined as sheeting or scrap piling. Underwater work that may be required in connection with the installation of piling. The diver and his tender work as a team and shall arrive at their own financial arrangements with the contractor. Any configuration of wood, steel, concrete, or composite that is jetted, driven, or vibrated onto the ground by conventional pile driving equipment for the purpose of supporting a future load that may be permanent or temporary. Driving bracing, plumbing, cutting off and capping of all piling whether wood, metal, pipe piling or composite. loading, unloading, erecting, framing, dismantling, moving, and handling of pile driving equipment. piling used in the construction and repair of all wharves, docks, piers, trestles, caissons, cofferdams, and the erection of all sea walls and breakwaters. All underwater and marine work on bulkheads, wharves, docks, shipyards, caissons, piers, bridges, pipeline work, viaducts, marine cable and trestles, as well as salvage and reclamation work where divers are employed. Rate shall include carpenters, acoustic, and ceiling installers, drywall installers, pile drivers, and floorlayers.

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Locals 2 & 136 Floorlayer SW

Type of Rate: Commercial

Change #:
LCN02-2025sks

Craft:
Carpenter

Effective Date:
9/17/2025

Effective Date:
9/17/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Carpenter Floorlayer	\$31.74		\$9.24	\$6.95	\$0.70	\$0.00	\$3.27	\$0.16	\$0.00	\$0.00	\$52.06	\$67.93
Apprentice	BHR	Percent										
1st 6 months	\$22.22	\$70.00	\$9.24	\$2.00	\$0.70	\$0.00	\$3.27	\$0.16	\$0.00	\$0.00	\$37.59	\$48.70
2nd 6 months	\$22.22	\$70.00	\$9.24	\$2.00	\$0.70	\$0.00	\$3.27	\$0.16	\$0.00	\$0.00	\$37.59	\$48.70
3rd 6 months	\$25.39	\$80.00	\$9.24	\$5.56	\$0.70	\$0.00	\$3.27	\$0.16	\$0.00	\$0.00	\$44.32	\$57.02
4th 6 months	\$25.39	\$80.00	\$9.24	\$5.56	\$0.70	\$0.00	\$3.27	\$0.16	\$0.00	\$0.00	\$44.32	\$57.02
5th 6 months	\$28.57	\$90.00	\$9.24	\$6.26	\$0.70	\$0.00	\$3.27	\$0.16	\$0.00	\$0.00	\$48.20	\$62.48
6th 6 months	\$28.57	\$90.00	\$9.24	\$6.26	\$0.70	\$0.00	\$3.27	\$0.16	\$0.00	\$0.00	\$48.20	\$62.48
7th 6 months	\$30.15	\$95.00	\$9.24	\$6.60	\$0.70	\$0.00	\$3.27	\$0.16	\$0.00	\$0.00	\$50.12	\$65.19
8th 6 months	\$30.15	\$95.00	\$9.24	\$6.60	\$0.70	\$0.00	\$3.27	\$0.16	\$0.00	\$0.00	\$50.12	\$65.19

(*)Special Calculation Note :

Other: UBC National Fund and Install

Ratio :

1 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Brown, Butler, Champaign, Clark, Clermont, Clinton, Darke, Greene, Hamilton, Logan, Miami, Montgomery, Preble, Shelby, Warren

Special Jurisdictional Note :

Details :

Scope of work shall include, but not be limited to: receiving,unloading,handling,distribution and installation of all carpeting materials,carpet padding or matting materials and all resilient materials whether for use on walls, floors,counter, sink,table and all preparation work necessary in connection therewith, including sanding work. the installation of nonstructural under-layment and the work of removing, cleaning waxing of any of the above. Carpeting shall include any floor covering composed of either natural or synthetic fibers that are made in breadths to be sewed, fastened or directly glued to floors or over cushioning sound-proofing materials.Resilient Floors shall consist of and include the laying of all special designs of wood,wood block, wood composition, cork, linoleum, asphalt, mastic, plastic, rubber tile,whether nailed or glued.

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Millwright Local 1090 SW Zone I

Type of Rate: Commercial

Change #:
LCN01-2025ib

Craft:
Carpenter

Effective Date:
9/10/2025

Effective Date:
9/10/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Carpenter Millwright	\$37.37		\$9.18	\$6.95	\$0.72	\$0.00	\$8.34	\$0.19	\$0.00	\$0.00	\$62.75	\$81.43
Apprentice	BHR	Percent										
1st 6 months	\$26.16	\$70.00	\$9.18	\$4.87	\$0.72	\$0.00	\$5.84	\$0.19	\$0.00	\$0.00	\$46.96	\$60.04
2nd 6 months	\$26.16	\$70.00	\$9.18	\$4.87	\$0.72	\$0.00	\$5.84	\$0.19	\$0.00	\$0.00	\$46.96	\$60.04
3rd 6 months	\$29.90	\$80.00	\$9.18	\$5.56	\$0.72	\$0.00	\$6.67	\$0.19	\$0.00	\$0.00	\$52.22	\$67.17
4th 6 months	\$29.90	\$80.00	\$9.18	\$5.56	\$0.72	\$0.00	\$6.67	\$0.19	\$0.00	\$0.00	\$52.22	\$67.17
5th 6 months	\$33.63	\$90.00	\$9.18	\$6.26	\$0.72	\$0.00	\$7.51	\$0.19	\$0.00	\$0.00	\$57.49	\$74.31
6th 6 months	\$33.63	\$90.00	\$9.18	\$6.26	\$0.72	\$0.00	\$7.51	\$0.19	\$0.00	\$0.00	\$57.49	\$74.31
7th 6 months	\$35.50	\$95.00	\$9.18	\$6.60	\$0.72	\$0.00	\$7.92	\$0.19	\$0.00	\$0.00	\$60.11	\$77.86
8th 6 months	\$35.50	\$95.00	\$9.18	\$6.60	\$0.72	\$0.00	\$7.92	\$0.19	\$0.00	\$0.00	\$60.11	\$77.86

(*)Special Calculation Note :

Other (\$0.19) \$0.14 National Fund and National Millwright Fund \$0.05

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Brown, Butler, Clermont, Clinton, Hamilton, Warren

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Local 132 (Dayton)

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Cement Mason

Effective Date:
6/1/2026

Effective Date:
6/1/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason	\$35.15		\$8.95	\$7.35	\$0.85	\$0.00	\$2.35	\$0.06	\$0.00	\$0.00	\$54.71	\$72.28
Apprentice	BHR	Percent										
1st Year	\$24.61	\$70.02	\$8.95	\$7.35	\$0.85	\$0.00	\$2.35	\$0.06	\$0.00	\$0.00	\$44.17	\$56.47
2nd Year	\$28.12	\$80.00	\$8.95	\$7.35	\$0.85	\$0.00	\$2.35	\$0.06	\$0.00	\$0.00	\$47.68	\$61.74
3rd Year	\$31.64	\$90.02	\$8.95	\$7.35	\$0.85	\$0.00	\$2.35	\$0.06	\$0.00	\$0.00	\$51.20	\$67.02

(*)Special Calculation Note :

Other: International Training Fund

Cement Masons on outrigger, swing or hanging scaffolds, manlifts:
\$0.75 per hour above scale up to twenty-five (25) feet and \$0.75 per hour for each additional twenty-five (25) feet or part of same.

Cement Mason operating a grinder: \$0.30 per hour above the journeyman scale.

Ratio :

2 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Champaign, Clark, Clinton, Darke, Greene, Miami, Montgomery, Preble, Shelby

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

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

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Cement Mason

Effective Date:
5/1/2026

Effective Date:
5/1/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason	\$39.18		\$9.30	\$7.65	\$0.75	\$0.00	\$2.45	\$0.08	\$0.00	\$0.00	\$59.41	\$79.00
Apprentice	BHR	Percent										
1st Year	\$27.43	\$70.00	\$9.30	\$7.65	\$0.75	\$0.00	\$2.45	\$0.08	\$0.00	\$0.00	\$47.66	\$61.38
2nd Year	\$31.34	\$80.00	\$9.30	\$7.65	\$0.75	\$0.00	\$2.45	\$0.08	\$0.00	\$0.00	\$51.57	\$67.24
3rd Year	\$35.26	\$90.00	\$9.30	\$7.65	\$0.75	\$0.00	\$2.45	\$0.08	\$0.00	\$0.00	\$55.49	\$73.12

(*)Special Calculation Note :

Other: International Training Fund

Ratio :

- 1 Journeyman to 1 Apprentice
- 2 Journeymen to 1 Apprentice thereafter

Jurisdiction (* denotes special jurisdictional note) :

Champaign, Clark, Clinton, Darke, Greene, Miami, Montgomery, Preble, Shelby

Special Jurisdictional Note :

Details :

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

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 DOT Traffic Signal Highway Lighting American Line Builders

Type of Rate: Commercial

Change #:
LCN01-2025ib

Craft:
Electrical

Effective Date:
6/4/2025

Effective Date:
6/4/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrical Lineman	\$46.03		\$7.50	\$1.38	\$0.46	\$0.00	\$9.20	\$0.50	\$0.00	\$0.00	\$65.07	\$88.09
Traffic Signal & Lighting Journeyman	\$44.43		\$7.50	\$1.33	\$0.44	\$0.00	\$8.89	\$0.50	\$0.00	\$0.00	\$63.09	\$85.31
Equipment Operator	\$40.44		\$7.50	\$1.21	\$0.40	\$0.00	\$8.09	\$0.50	\$0.00	\$0.00	\$58.14	\$78.36
Groundman 0 to 12 months (W/O CDL)	\$24.52		\$7.50	\$0.74	\$0.25	\$0.00	\$4.90	\$0.50	\$0.00	\$0.00	\$38.41	\$50.67
Groundman 0 to 12 Months (W CDL)	\$26.78		\$7.50	\$0.80	\$0.27	\$0.00	\$5.36	\$0.50	\$0.00	\$0.00	\$41.21	\$54.60
Groundman greater than 1 year (W CDL)	\$29.07		\$7.50	\$0.87	\$0.29	\$0.00	\$5.81	\$0.50	\$0.00	\$0.00	\$44.04	\$58.58
Traffic Apprentice	\$		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1st 1000 hrs	\$26.66		\$7.50	\$0.80	\$0.27	\$0.00	\$5.33	\$0.50	\$0.00	\$0.00	\$41.06	\$54.39
2nd 1000 hrs	\$28.88		\$7.50	\$0.87	\$0.29	\$0.00	\$5.78	\$0.50	\$0.00	\$0.00	\$43.82	\$58.26
3rd 1000 hrs	\$31.10		\$7.50	\$0.93	\$0.31	\$0.00	\$6.22	\$0.50	\$0.00	\$0.00	\$46.56	\$62.11
4th 1000 hrs	\$33.32		\$7.50	\$1.00	\$0.33	\$0.00	\$6.66	\$0.50	\$0.00	\$0.00	\$49.31	\$65.97
5th 1000 hrs	\$35.54		\$7.50	\$1.07	\$0.36	\$0.00	\$7.11	\$0.50	\$0.00	\$0.00	\$52.08	\$69.85
6th 1000 hrs	\$39.99		\$7.50	\$1.20	\$0.40	\$0.00	\$8.00	\$0.50	\$0.00	\$0.00	\$57.59	\$77.59
Apprentice	BHR	Percent										
1st 1,000 Hours	\$27.62	\$60.00	\$7.50	\$0.83	\$0.28	\$0.00	\$5.52	\$0.50	\$0.00	\$0.00	\$42.25	\$56.06
2nd 1,000 Hours	\$29.92	\$65.00	\$7.50	\$0.90	\$0.30	\$0.00	\$5.98	\$0.50	\$0.00	\$0.00	\$45.10	\$60.06
3rd 1,000 Hours	\$32.22	\$70.00	\$7.50	\$0.97	\$0.32	\$0.00	\$6.44	\$0.50	\$0.00	\$0.00	\$47.95	\$64.06
4th 1,000 Hours	\$34.52	\$75.00	\$7.50	\$1.04	\$0.35	\$0.00	\$6.90	\$0.50	\$0.00	\$0.00	\$50.81	\$68.07
5th 1,000 Hours	\$36.82	\$80.00	\$7.50	\$1.10	\$0.37	\$0.00	\$7.36	\$0.50	\$0.00	\$0.00	\$53.65	\$72.07

6th 1,000 Hours	\$39.13	\$85.00	\$7.50	\$1.17	\$0.39	\$0.00	\$7.82	\$0.50	\$0.00	\$0.00	\$56.51	\$76.07
7th 1,000 Hours	\$41.43	\$90.00	\$7.50	\$1.24	\$0.41	\$0.00	\$8.28	\$0.50	\$0.00	\$0.00	\$59.36	\$80.07

(*)Special Calculation Note :

Other: Health Reimbursement Account

Ratio :

1 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Auglaize, Champaign, Clark, Clinton, Darke, Greene, Logan, Mercer, Miami, Montgomery, Preble, Shelby

Special Jurisdictional Note :

Details :

A groundman when directed shall assist a Journeymen in the performance of his/her work on the ground, including the use of hand tools. Under no circumstances shall this classification climb poles, towers, ladders, or work from an elevated platform or bucket truck. This classification shall not perform work normally assigned to an apprentice lineman. No more than three (3) Groundmen shall work alone. Jobs with more that three Groundmen shall be supervised by a Groundcrew Foreman, Journeyman Lineman, Journeyman Traffic Signal Technician or an Equipment Operator.

Prevailing Wage Rate Skilled Crafts

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

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Electrical

Effective Date:
1/7/2026

Effective Date:
1/7/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrical Lineman	\$54.94		\$7.50	\$1.65	\$0.55	\$0.00	\$13.19	\$1.00	\$0.00	\$0.00	\$78.83	\$106.30
Certified Lineman Welder	\$54.94		\$7.50	\$1.65	\$0.55	\$0.00	\$13.19	\$1.00	\$0.00	\$0.00	\$78.83	\$106.30
Certified Cable Splicer	\$54.94		\$7.50	\$1.65	\$0.55	\$0.00	\$13.19	\$1.00	\$0.00	\$0.00	\$78.83	\$106.30
Operator A	\$49.20		\$7.50	\$1.48	\$0.49	\$0.00	\$11.81	\$1.00	\$0.00	\$0.00	\$71.48	\$96.08
Operator B	\$43.52		\$7.50	\$1.31	\$0.44	\$0.00	\$10.44	\$1.00	\$0.00	\$0.00	\$64.21	\$85.97
Operator C	\$34.93		\$7.50	\$1.05	\$0.35	\$0.00	\$8.38	\$1.00	\$0.00	\$0.00	\$53.21	\$70.67
Groundman 0-12 months Exp	\$27.47		\$7.50	\$0.82	\$0.27	\$0.00	\$6.59	\$1.00	\$0.00	\$0.00	\$43.65	\$57.38
Groundman 0-12 months Exp w/CDL	\$30.22		\$7.50	\$0.91	\$0.30	\$0.00	\$7.25	\$1.00	\$0.00	\$0.00	\$47.18	\$62.29
Groundman 1 yr or more	\$30.22		\$7.50	\$0.91	\$0.30	\$0.00	\$7.25	\$1.00	\$0.00	\$0.00	\$47.18	\$62.29
Groundman 1 yr or more w/CDL	\$35.71		\$7.50	\$1.07	\$0.36	\$0.00	\$8.57	\$1.00	\$0.00	\$0.00	\$54.21	\$72.06
Equipment Mechanic A	\$43.52		\$7.50	\$1.31	\$0.44	\$0.00	\$10.44	\$1.00	\$0.00	\$0.00	\$64.21	\$85.97
Equipment Mechanic B	\$39.22		\$7.50	\$1.18	\$0.39	\$0.00	\$9.41	\$1.00	\$0.00	\$0.00	\$58.70	\$78.31
Equipment Mechanic C	\$34.92		\$7.50	\$1.05	\$0.35	\$0.00	\$8.38	\$1.00	\$0.00	\$0.00	\$53.20	\$70.66
X-Ray Technician	\$54.94		\$7.50	\$1.65	\$0.55	\$0.00	\$13.19	\$1.00	\$0.00	\$0.00	\$78.83	\$106.30
Apprentice	BHR	Percent										
1st 1000 hrs	\$32.96	\$60.00	\$7.50	\$0.99	\$0.33	\$0.00	\$7.91	\$1.00	\$0.00	\$0.00	\$50.69	\$67.17
2nd 1000 hrs	\$35.71	\$65.00	\$7.50	\$1.07	\$0.36	\$0.00	\$8.57	\$1.00	\$0.00	\$0.00	\$54.21	\$72.06
3rd 1000 hrs	\$38.46	\$70.00	\$7.50	\$1.15	\$0.38	\$0.00	\$9.23	\$1.00	\$0.00	\$0.00	\$57.72	\$76.95

4th 1000 hrs	\$41.20	\$75.00	\$7.50	\$1.24	\$0.41	\$0.00	\$9.89	\$1.00	\$0.00	\$0.00	\$61.24	\$81.84
5th 1000 hrs	\$43.95	\$80.00	\$7.50	\$1.32	\$0.44	\$0.00	\$10.55	\$1.00	\$0.00	\$0.00	\$64.76	\$86.74
6th 1000 hrs	\$46.70	\$85.00	\$7.50	\$1.39	\$0.47	\$0.00	\$11.21	\$1.00	\$0.00	\$0.00	\$68.27	\$91.62
7th 1000 hrs	\$49.45	\$90.00	\$7.50	\$1.48	\$0.49	\$0.00	\$11.87	\$1.00	\$0.00	\$0.00	\$71.79	\$96.52

(*)Special Calculation Note :

Other is Health Reimbursement Account

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

Operator "A": John Henry Rock Drill, D-6 (or equivalent) and above, Trackhoe Digger, (320 Track excavator), Cranes (greater than 25 tons and less than 45 tons).

Operator "B": Cranes (greater than 6 tons and up to 25 tons), Backhoes, Road Tractor, Dozer up to D-5, Pressure Digger- wheeled or tracked, all Tension wire Stringing equipment.

Operator "C": Trench, Backhoe, Riding type vibratory Compactor, Ground Rod Driver, Boom Truck (6 ton & below), Skid Steer Loaders, Material Handler.

Special Notes:

When Cable Splicer helpers are used, they must be a Journeyman Lineman.

Pipe installation, holiday testing, welding, cable splicing operation of vacuum pumps and cable pulling equipment and all work requiring the use of hand tools shall be done by Journeymen and Apprentices. Pipe coating, manhole preparations and conditioning, nitrogen connections and flowmeter installation shall be done by or under the direct supervision of a Journeyman.

At least two (2) Journeyman Linemen in addition to certified lineman welders shall be employed to install high voltage pipe.

When pulling cable, at least six (6) of the workmen shall be no less than Journeyman classifications. When pumping oil, only Journeyman Lineman or equipment operators shall be permitted to operate degasifying and oil pumping equipment

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 Outside Utility Power

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Electrical

Effective Date:
1/7/2026

Effective Date:
1/7/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrical Lineman	\$52.03		\$7.50	\$1.56	\$0.52	\$0.00	\$12.49	\$1.00	\$0.00	\$0.00	\$75.10	\$101.12
Substation Technician	\$52.03		\$7.50	\$1.56	\$0.50	\$0.00	\$12.49	\$1.00	\$0.00	\$0.00	\$75.08	\$101.09
Cable Splicer	\$54.50		\$7.50	\$1.64	\$0.55	\$0.00	\$13.08	\$1.00	\$0.00	\$0.00	\$78.27	\$105.52
Operator A	\$46.61		\$7.50	\$1.40	\$0.47	\$0.00	\$11.19	\$1.00	\$0.00	\$0.00	\$68.17	\$91.47
Operator B	\$41.17		\$7.50	\$1.23	\$0.41	\$0.00	\$9.87	\$1.00	\$0.00	\$0.00	\$61.18	\$81.77
Operator C	\$33.00		\$7.50	\$0.99	\$0.33	\$0.00	\$7.92	\$1.00	\$0.00	\$0.00	\$50.74	\$67.24
Groundman 0-12 months Exp	\$26.02		\$7.50	\$0.78	\$0.26	\$0.00	\$6.24	\$1.00	\$0.00	\$0.00	\$41.80	\$54.81
Groundman 0-12 months Exp w/CDL	\$28.62		\$7.50	\$0.86	\$0.29	\$0.00	\$6.87	\$1.00	\$0.00	\$0.00	\$45.14	\$59.45
Groundman 1 yr or more	\$28.62		\$7.50	\$0.86	\$0.29	\$0.00	\$6.87	\$1.00	\$0.00	\$0.00	\$45.14	\$59.45
Groundman 1 yr or more w/CDL	\$33.82		\$7.50	\$1.01	\$0.34	\$0.00	\$8.12	\$1.00	\$0.00	\$0.00	\$51.79	\$68.70
Equipment Mechanic A	\$41.17		\$7.50	\$1.23	\$0.41	\$0.00	\$9.87	\$1.00	\$0.00	\$0.00	\$61.18	\$81.77
Equipment Mechanic B	\$37.09		\$7.50	\$1.11	\$0.37	\$0.00	\$8.90	\$1.00	\$0.00	\$0.00	\$55.97	\$74.52
Equipment Mechanic C	\$33.00		\$7.50	\$0.99	\$0.33	\$0.00	\$7.92	\$1.00	\$0.00	\$0.00	\$50.74	\$67.24
Line Truck w/auger	\$36.40		\$7.50	\$1.09	\$0.36	\$0.00	\$8.71	\$1.00	\$0.00	\$0.00	\$55.06	\$73.26
Apprentice	BHR	Percent										
1st 1000 hrs	\$31.22	\$60.00	\$7.50	\$0.94	\$0.31	\$0.00	\$7.49	\$1.00	\$0.00	\$0.00	\$48.46	\$64.07
2nd 1000 hrs	\$33.82	\$65.00	\$7.50	\$1.01	\$0.34	\$0.00	\$8.12	\$1.00	\$0.00	\$0.00	\$51.79	\$68.70
3rd 1000 hrs	\$36.42	\$70.00	\$7.50	\$1.09	\$0.36	\$0.00	\$8.74	\$1.00	\$0.00	\$0.00	\$55.11	\$73.32

4th 1000 hrs	\$39.02	\$75.00	\$7.50	\$1.17	\$0.39	\$0.00	\$9.37	\$1.00	\$0.00	\$0.00	\$58.45	\$77.96
5th 1000 hrs	\$41.62	\$80.00	\$7.50	\$1.25	\$0.44	\$0.00	\$9.99	\$1.00	\$0.00	\$0.00	\$61.80	\$82.61
6th 1000 hrs	\$44.23	\$85.00	\$7.50	\$1.33	\$0.44	\$0.00	\$10.61	\$1.00	\$0.00	\$0.00	\$65.11	\$87.22
7th 1000 hrs	\$46.83	\$90.00	\$7.50	\$1.40	\$0.47	\$0.00	\$11.24	\$1.00	\$0.00	\$0.00	\$68.44	\$91.86

(*)Special Calculation Note :

Other: Health Reimbursement Account

Ratio :

(1) Journeyman Lineman to (1) Apprentice

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

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

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 Underground Residential Distribution

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Electrical

Effective Date:
1/7/2026

Effective Date:
1/7/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
URD Electrician	\$39.42		\$7.50	\$1.18	\$0.39	\$0.00	\$9.43	\$1.00	\$0.00	\$0.00	\$58.92	\$78.63
Equipment Operator A	\$35.24		\$7.50	\$1.06	\$0.35	\$0.00	\$8.46	\$1.00	\$0.00	\$0.00	\$53.61	\$71.23
Equipment Operator B	\$32.34		\$7.50	\$0.97	\$0.32	\$0.00	\$7.76	\$1.00	\$0.00	\$0.00	\$49.89	\$66.06
Directional Drill Locator	\$35.24		\$7.50	\$1.06	\$0.35	\$0.00	\$8.46	\$1.00	\$0.00	\$0.00	\$53.61	\$71.23
Directional Drill Operator	\$32.34		\$7.50	\$0.97	\$0.32	\$0.00	\$7.76	\$1.00	\$0.00	\$0.00	\$49.89	\$66.06
Groundman 0-12 months Exp	\$25.50		\$7.50	\$0.77	\$0.26	\$0.00	\$6.12	\$1.00	\$0.00	\$0.00	\$41.15	\$53.90
Groundman 0-12 months Exp w/CDL	\$28.15		\$7.50	\$0.84	\$0.28	\$0.00	\$6.76	\$1.00	\$0.00	\$0.00	\$44.53	\$58.60
Groundman 1 yr or more	\$28.15		\$7.50	\$0.84	\$0.28	\$0.00	\$6.76	\$1.00	\$0.00	\$0.00	\$44.53	\$58.60
Groundman 1 yr or more w/CDL	\$33.47		\$7.50	\$1.00	\$0.33	\$0.00	\$8.03	\$1.00	\$0.00	\$0.00	\$51.33	\$68.06
Apprentice	BHR	Percent										
1st 1000 hrs	\$31.54	\$80.00	\$7.50	\$0.95	\$0.32	\$0.00	\$7.57	\$1.00	\$0.00	\$0.00	\$48.88	\$64.65
2nd 1000 hrs	\$33.51	\$85.00	\$7.50	\$1.01	\$0.34	\$0.00	\$8.04	\$1.00	\$0.00	\$0.00	\$51.40	\$68.16
3rd 1000 hrs	\$35.48	\$90.00	\$7.50	\$1.06	\$0.35	\$0.00	\$8.51	\$1.00	\$0.00	\$0.00	\$53.90	\$71.64
4th 1000 hrs	\$37.45	\$95.00	\$7.50	\$1.12	\$0.37	\$0.00	\$8.99	\$1.00	\$0.00	\$0.00	\$56.43	\$75.16

(*)Special Calculation Note :

Other: Health Reimbursement Account

Ratio :

(1) Journeyman Lineman to (1) Apprentice

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

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

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 Voice Data Video Outside

Type of Rate: Commercial

Change #:
LCN02-2024ib

Craft:
Electrical

Effective Date:
3/6/2024

Effective Date:
3/6/2024

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

(*)Special Calculation Note :

Ratio :

1Trainee to 1 Journeyman

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

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

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 82 Inside

Type of Rate: Commercial

Change #:
LCN01-2025ib

Craft:
Electrical

Effective Date:
12/10/2025

Effective Date:
12/10/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrician	\$39.40		\$8.35	\$10.23	\$0.67	\$0.00	\$4.30	\$0.00	\$0.00	\$0.00	\$62.95	\$82.65
Apprentice	BHR	Percent										
1st Period 0-1000 hrs	\$18.12	\$46.00	\$4.78	\$0.74	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.95	\$33.01
2nd Period 1001-2000 hrs	\$18.12	\$46.00	\$4.78	\$0.74	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.95	\$33.01
3rd Period 2001-3500 hrs	\$19.70	\$50.00	\$7.73	\$5.12	\$0.33	\$0.00	\$2.15	\$0.00	\$0.00	\$0.00	\$35.03	\$44.88
4th Period 3501-5000 hrs	\$20.49	\$52.00	\$7.75	\$5.32	\$0.35	\$0.00	\$2.24	\$0.00	\$0.00	\$0.00	\$36.15	\$46.39
5th Period 5001-6500 hrs	\$24.43	\$62.00	\$7.88	\$6.34	\$0.42	\$0.00	\$2.67	\$0.00	\$0.00	\$0.00	\$41.74	\$53.95
6th Period 6501-8000 hrs	\$30.34	\$77.00	\$8.06	\$7.88	\$0.52	\$0.00	\$3.31	\$0.00	\$0.00	\$0.00	\$50.11	\$65.28

(*)Special Calculation Note :

Ratio :

1-3 Journeymen to 4 Apprentices
4-6 Journeymen to 8 Apprentices
7-9 Journeymen to 12 Apprentices

Jurisdiction (* denotes special jurisdictional note) :

Clinton, Darke, Greene, Miami, Montgomery, Preble, Warren*

Special Jurisdictional Note :

The following townships in Warren County are included: Clearcreek, Franklin and Wayne

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 82 Inside Lt Commercial South West

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Electrical

Effective Date:
5/20/2026

Effective Date:
5/20/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrician	\$39.40		\$8.35	\$10.23	\$0.67	\$0.00	\$4.30	\$0.00	\$0.00	\$0.00	\$62.95	\$82.65
CE-3 10,001-12,000	\$30.35		\$6.99	\$0.91	\$0.96	\$0.00	\$0.91	\$0.00	\$0.00	\$0.10	\$40.22	\$55.40
CE-2 9,001-10,000 Hrs	\$24.28		\$6.99	\$0.73	\$0.96	\$0.00	\$0.73	\$0.00	\$0.00	\$0.10	\$33.79	\$45.93
CE-1 8,001-9,000 Hrs	\$22.25		\$6.99	\$0.67	\$0.96	\$0.00	\$0.67	\$0.00	\$0.00	\$0.10	\$31.64	\$42.77
CW-4 6,001-8,000 Hrs	\$20.23		\$6.99	\$0.61	\$0.96	\$0.00	\$0.61	\$0.00	\$0.00	\$0.10	\$29.50	\$39.61
CW-3 4,001-6,000 Hrs	\$18.21		\$6.99	\$0.55	\$0.96	\$0.00	\$0.55	\$0.00	\$0.00	\$0.10	\$27.36	\$36.47
CW-2 2,001-4,000 Hrs	\$17.20		\$6.99	\$0.52	\$0.96	\$0.00	\$0.52	\$0.00	\$0.00	\$0.10	\$26.29	\$34.89
CW-1 0-2,000 Hrs	\$16.18		\$6.99	\$0.49	\$0.96	\$0.00	\$0.49	\$0.00	\$0.00	\$0.10	\$25.21	\$33.30
Apprentice	BHR	Percent										
1st period 0 - 1000 hrs	\$18.12	\$46.00	\$4.78	\$0.74	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.95	\$33.01
2nd period 1001-2000 hrs	\$18.12	\$46.00	\$4.78	\$0.74	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.95	\$33.01
3rd period 2001-3500 hrs	\$19.70	\$50.00	\$7.73	\$5.12	\$0.33	\$0.00	\$2.15	\$0.00	\$0.00	\$0.00	\$35.03	\$44.88
4th period 3501-5000 hrs	\$20.49	\$52.00	\$7.75	\$5.32	\$0.35	\$0.00	\$2.24	\$0.00	\$0.00	\$0.00	\$36.15	\$46.39
5th period 5001-6500 hrs	\$24.43	\$62.00	\$7.88	\$6.34	\$0.42	\$0.00	\$2.67	\$0.00	\$0.00	\$0.00	\$41.74	\$53.95
6th period 6501-8000 hrs	\$30.34	\$77.00	\$8.06	\$7.88	\$0.52	\$0.00	\$3.31	\$0.00	\$0.00	\$0.00	\$50.11	\$65.28

(*)Special Calculation Note :

Misc: Administrative Fees

Ratio :

1 to 3 Journeymen to 4 Apprentices
4 to 6 Journeymen to 8 Apprentices

Construction Electrician and Construction Wireman Ratio There shall be a minimum ratio of one inside Journeyman to every (4) employees of different classification per jobsite. An inside Journeyman Wireman is required on the project as the fifth (5th) worker or when apprentices are used.

Jurisdiction (* denotes special jurisdictional note) :

Clinton, Darke, Greene, Miami, Montgomery, Preble, Warren*

Special Jurisdictional Note :

The following townships in Warren County are included: Clearcreek, Franklin and Wayne.

Details :

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

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 82 Lightning Rod

Type of Rate: Commercial

Change #:
LCN01-2025ib

Craft:
Electrical

Effective Date:
12/10/2025

Effective Date:
12/10/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrical Lightning Rod Technician	\$37.34		\$8.35	\$9.05	\$0.00	\$0.00	\$4.05	\$0.00	\$0.00	\$0.00	\$58.79	\$77.46
Apprentice	BHR	Percent										
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$

(*)Special Calculation Note :
No Apprentice approved by OSAC.

Ratio :

Jurisdiction (* denotes special jurisdictional note) :
Clinton, Darke, Greene, Miami, Montgomery, Preble, Warren*

Special Jurisdictional Note :
The following townships in Warren County are included: Clearcreek, Franklin and Wayne

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 82 Voice Data Video

Type of Rate: Commercial

Change #:
LCN01-2025ib

Craft:
Electrical

Effective Date:
12/10/2025

Effective Date:
12/10/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrical Installer Technician A	\$29.20		\$7.60	\$9.13	\$0.55	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.48	\$61.08
Cable Puller	\$16.06		\$4.20	\$0.48	\$0.31	\$0.00	\$0.25	\$0.00	\$0.00	\$0.00	\$21.30	\$29.33
Apprentice	BHR	Percent										
1st 0-1000 hours	\$17.52	\$60.00	\$4.50	\$5.48	\$0.33	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$27.83	\$36.59
2nd 1001-2000 hours	\$17.52	\$60.00	\$4.50	\$5.48	\$0.33	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$27.83	\$36.59
3rd 2001-3000 hours	\$18.98	\$65.00	\$7.43	\$5.93	\$0.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.70	\$42.19
4th 3001-4000 hours	\$18.98	\$65.00	\$7.43	\$5.93	\$0.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.70	\$42.19
5th 4001-5000 hours	\$20.44	\$70.00	\$7.45	\$6.39	\$0.39	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.67	\$44.89
6th 5001-6000 hours	\$21.90	\$75.00	\$7.48	\$6.85	\$0.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.65	\$47.60
7th 6001-7000 hours	\$23.36	\$80.00	\$7.50	\$7.30	\$0.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.60	\$50.28
8th 7001 hours	\$24.82	\$85.00	\$7.53	\$7.75	\$0.47	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.57	\$52.98

(*)Special Calculation Note :

Ratio :

1-3 Journeymen to 3 Apprentices
4-6 Journeymen to 6 Apprentices
7-9 Journeymen to 9 Apprentices

Jurisdiction (* denotes special jurisdictional note) :

Clinton, Darke, Greene, Miami, Montgomery, Preble, Warren*

Special Jurisdictional Note :

The following townships in Warren County are included: Clearcreek, Franklin and Wayne

Details :

Work covered but not limited to: installation which utilize transmission and/or transference of voice, sound, vision or digital for commercial, education, security and entertainment purposes for the following: TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multimedia, multiplex, nurse call system, radio page, school intercom, sound and low voltage master clock systems.

Fire Alarm work is excluded on all new construction sites or wherever the fire alarm system is installed in conduit.

All HVAC control work is not covered by this wage rate but by the Inside Electrical wage rate.

Prevailing Wage Rate Skilled Crafts

Name of Union: Elevator Local 11

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Elevator

Effective Date:
3/18/2026

Effective Date:
3/18/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Elevator Mechanic	\$59.92		\$16.37	\$11.06	\$0.85	\$4.79	\$10.70	\$2.26	\$0.00	\$0.00	\$105.95	\$135.91
Apprentice	BHR	Percent										
Probationary Apprentice	\$29.96	\$50.00	\$0.00	\$0.00	\$0.00	\$1.80	\$0.00	\$0.00	\$0.00	\$0.00	\$31.76	\$46.74
1st year	\$32.96	\$55.00	\$16.37	\$11.06	\$0.85	\$1.98	\$10.70	\$1.24	\$0.00	\$0.00	\$75.16	\$91.64
2nd year	\$38.95	\$65.00	\$16.37	\$11.06	\$0.85	\$2.34	\$10.70	\$1.47	\$0.00	\$0.00	\$81.74	\$101.22
3rd year	\$41.94	\$70.00	\$16.37	\$11.06	\$0.85	\$2.52	\$10.70	\$1.58	\$0.00	\$0.00	\$85.02	\$105.99
4th year	\$47.94	\$80.00	\$16.37	\$11.06	\$0.85	\$2.88	\$10.70	\$1.80	\$0.00	\$0.00	\$91.60	\$115.57
Helper	\$41.94	\$70.00	\$16.37	\$11.06	\$0.85	\$3.36	\$10.70	\$1.58	\$0.00	\$0.00	\$85.86	\$106.83
Assistant Mechanic	\$47.94	\$80.00	\$16.37	\$11.06	\$0.85	\$3.82	\$10.70	\$1.80	\$0.00	\$0.00	\$92.54	\$116.51

(*)Special Calculation Note :

Other: Holiday Pay

Ratio :

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

Jurisdiction (* denotes special jurisdictional note) :

Adams, Brown, Butler, Clermont, Clinton, Darke, Greene, Hamilton, Highland, Miami, Montgomery, Preble, Scioto, Shelby, Warren

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Glazier Local 387

Type of Rate: Commercial

Change #:
LCN01-2025ib

Craft:
Glazier

Effective Date:
11/19/2025

Effective Date:
11/19/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Glazier	\$35.85		\$6.80	\$12.30	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$55.40	\$73.33
Apprentice	BHR	Percent										
1st Year	\$23.30	\$65.00	\$6.80	\$8.85	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.40	\$51.05
2nd Year	\$26.89	\$75.00	\$6.80	\$9.84	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.98	\$57.42
3rd Year	\$30.47	\$85.00	\$6.80	\$10.82	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.54	\$63.77
4th Year	\$34.06	\$95.00	\$6.80	\$11.81	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$53.12	\$70.15

(*)Special Calculation Note :

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

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Adams, Brown, Butler, Champaign, Clark, Clermont, Clinton, Darke, Fayette*, Greene, Hamilton, Highland, Miami, Montgomery, Preble, Warren

Special Jurisdictional Note :

Fayette County: Eastern portion of route #41 being the dividing line between locals 372 and 387. Local 387 has jurisdiction of projects built on property which borders route #41 East.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Ironworker Local 290

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Ironworker

Effective Date:
6/1/2026

Effective Date:
6/1/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Ironworker	\$40.00		\$9.80	\$9.50	\$0.85	\$0.00	\$5.59	\$0.00	\$0.00	\$0.00	\$65.74	\$85.74
Structural, Welder, Fence Erector, Reinforcing Rods, Machinery Mover, Sheeter, Metal Building Erector, Rigger & Erector	\$40.00		\$9.80	\$9.50	\$0.85	\$0.00	\$5.59	\$0.00	\$0.00	\$0.00	\$65.74	\$85.74
Apprentice	BHR	Percent										
1st Year	\$25.50	\$63.75	\$9.80	\$9.50	\$0.85	\$0.00	\$4.09	\$0.00	\$0.00	\$0.00	\$49.74	\$62.49
2nd Year	\$29.50	\$73.75	\$9.80	\$9.50	\$0.85	\$0.00	\$4.09	\$0.00	\$0.00	\$0.00	\$53.74	\$68.49
3rd Year	\$33.50	\$83.75	\$9.80	\$9.50	\$0.85	\$0.00	\$4.09	\$0.00	\$0.00	\$0.00	\$57.74	\$74.49
4th Year	\$37.50	\$93.75	\$9.80	\$9.50	\$0.85	\$0.00	\$4.09	\$0.00	\$0.00	\$0.00	\$61.74	\$80.49

(*)Special Calculation Note :

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Allen*, Auglaize, Butler*, Champaign*, Clark*, Clinton, Darke, Fayette*, Greene, Hardin*, Highland*, Logan*, Madison*, Mercer*, Miami, Montgomery, Preble, Shelby, Van Wert*, Warren*

Special Jurisdictional Note :

Allen County Twps included are: Auglaize, Perry, Shawnee, Amanda, Spencer, Marion, Sugar Creek, American, Bath, Jackson.

Butler County Twps included are: Milford, Wayne, Madison, Lemon.

Champaign County Twps included are: Union, Urbana, Jackson, Concord, Salem, Mad River, Johnson, Harrison, Adams.

Clark County Twps included are: Bethel, German, Green, Mad River, Moorefield, Pike, Springfield and portions of Harmony, Madison, and Pleasant.

Fayette County Twps included are: Green, Jasper, Concord, Jefferson.

Hardin County Twps included are: Round Head, Marion, Liberty.

Highland County Twps included are: Fairfield, Penn, Union, Marshall, Liberty, Paint, Brush Creek.

Logan County Twps included are: Richland, Stokes, Bloomfield, Washington, Harrison, McArthur, Lake, Liberty, Pleasant, Miami.

Madison County Twps included are: Stokes.

Mercer County Twps included are: Dublin, Washington, Jefferson, Recovery, Gibson, Union, Liberty, Butler, Granville, Center, Hopewell, Franklin, Marion.

VanWert County Twps included are: Jennings.

Warren County Twps included are: Franklin, Clear Creek, Turtle Creek, Wayne, Massie, Washington, Salem, Union.

Details :

Structural Iron Work but not limited to: field fabrication, all loading to and including the erecting, rigging, assembly, dismantling, placing, temporary and permanent securing by any means of all structural iron, steel, ornamental lead, bronze, brass, copper, aluminum, glass all ferrous and non ferrous metal and composite material, precast prestressed and post-stressed concrete structures. Bridges and bridge rails, bridge viaducts, bucks bulkheads, bumper and bumper post, canopies and unistrut canopies, corrugated ferrous and non ferrous sheets when attached to steel frames, columns, beams, bar-joists, trusses, grinders, roof decking, electrical supports, elevator cars, elevator fronts and enclosures, erection of steel towers, flag poles, gymnasium equipment, stadium and arena seating, jail cell work, jail cell beds, benches, bunks, chairs, tables, mirrors, jail cell access doors, rigging and installation of machinery and equipment (erecting, aligning, anchoring and dismantling, erection and dismantling of tower cranes, derrick monorail systems, Chicago booms, overhead cranes, gantries, material and personnel hoists, tanks, hoppers and conveyors. All pre-engineered metal buildings and their entirety including siding, roofing, gutters, downspouts and erection of all.

Ornamental Iron Work but not limited to: all work in connection with field fabrication, handling including loading/off loading, sorting, cutting, fastening, anchoring, bending, hoisting, placing, burning, welding, and tying, dismantling of all materials used in miscellaneous iron or steel, for stairs, hand railings, rolling doors, rolling gates, rolling shutters, fence, windows, curtain wall, erection and welding of all metal, sash, architectural and ornamental treatments, but not necessarily limited to all sizes and types of ornamental, steel iron, lead, bronze, brass, copper, aluminum, all ferrous and non ferrous metals and composite materials.

Fence Erector Iron Worker but not limited to: All work in connection with the field fabrication and erection of chain link fence, which includes but not limited to the loading and of the fence fabric and posts also the installation of the above.

Reinforcing Iron Worker but not limited to: work in connection with field fabrication, handling, racking, sorting, cutting, bending, hoisting, placing, burning, welding and tying all materials used to reinforce concrete construction, except loading and unloading by hand. Re-aligning of the reinforced iron, wire mesh placing, bricking, pulling and similar reinforcing materials, placing steel dowels, as well as re-fasten. Reinforcing steel and wire mesh in roadways and sidewalks in connection with building construction. Also, erection and fabrication of pre-connection with building construction, also erection and fabrication of pre-stressed and precast joists, beams, columns, slabs; walls, roofs, tanks, manholes, trenches and covers. Handling of "J" or jack bars on slip forms. Metal decking similar to "corruforn" when used for floor forms over metal or concrete supports either welded or clipped. Post tension, all loading and unloading, hoisting, placing and tying of all post tensioning cables. Placing and tying of all duct work in bonded post tension. All of the wrecking of cones, wedging of the tendons, stressing, cutting, repairing and grouting of bonded post tension.

Prevailing Wage Rate Skilled Crafts

Name of Union: Labor HevHwy 3

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Laborer

Effective Date:
5/1/2026

Effective Date:
5/1/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Laborer Group 1	\$38.77		\$9.45	\$4.60	\$0.45	\$0.00	\$2.50	\$0.00	\$0.10	\$0.00	\$55.87	\$75.25
Group 2	\$38.94		\$9.45	\$4.60	\$0.45	\$0.00	\$2.50	\$0.00	\$0.10	\$0.00	\$56.04	\$75.51
Group 3	\$39.27		\$9.45	\$4.60	\$0.45	\$0.00	\$2.50	\$0.00	\$0.10	\$0.00	\$56.37	\$76.00
Group 4	\$39.72		\$9.45	\$4.60	\$0.45	\$0.00	\$2.50	\$0.00	\$0.10	\$0.00	\$56.82	\$76.68
Watch Person	\$33.50		\$9.45	\$4.60	\$0.45	\$0.00	\$2.50	\$0.00	\$0.10	\$0.00	\$50.60	\$67.35
Apprentice	BHR	Percent										
0-1000 hrs	\$31.02	\$80.00	\$9.45	\$4.60	\$0.45	\$0.00	\$2.50	\$0.00	\$0.10	\$0.00	\$48.12	\$63.63
1001-2000 hrs	\$32.95	\$85.00	\$9.45	\$4.60	\$0.45	\$0.00	\$2.50	\$0.00	\$0.10	\$0.00	\$50.05	\$66.53
2001-3000 hrs	\$34.89	\$90.00	\$9.45	\$4.60	\$0.45	\$0.00	\$2.50	\$0.00	\$0.10	\$0.00	\$51.99	\$69.44
3001-4000 hrs	\$36.83	\$95.00	\$9.45	\$4.60	\$0.45	\$0.00	\$2.50	\$0.00	\$0.10	\$0.00	\$53.93	\$72.34
More than 4000 hrs	\$38.77	\$100.00	\$9.45	\$4.60	\$0.45	\$0.00	\$2.50	\$0.00	\$0.10	\$0.00	\$55.87	\$75.25

(*)Special Calculation Note :

Tunnel Laborer rate with air-pressurized add \$1.00 to the above wage rate.

Commercial Driver's License – Any Laborer required to utilize a valid Commercial Driver's License (CDL), are in compliance with necessary FMCSA regulations and approved by the Contractor to operate a Commercial Motor Vehicle (CMV), shall be paid one dollar (\$1.00) per hour above the base rate for the entirety of their working shift.

Ratio :

1 Journeyman to 1 Apprentice
3 Journeymen to 1 Apprentice thereafter

Watchmen have no Apprentices

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

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

Details :

Group 1 Laborer (Construction); Plant Laborer or Yardman, Right-of-way Laborer, Landscape Laborer, Highway Lighting Worker, Signalization Worker, (Swimming) Pool Construction Laborer, Utility Man, *Bridge Man, Handyman, Joint Setter, Flagperson, Carpenter Helper, Waterproofing Laborer, Slurry Seal, Seal Coating, Surface Treatment or Road Mix Laborer, Riprap Laborer & Grouter, Asphalt Laborer, Dump Man (batch trucks), Guardrail & Fence Installer, Mesh Handler & Placer, Concrete Curing Applicator, Scaffold Erector, Sign Installer, Hazardous Waste (level D), Diver Helper, Zone Person and Traffic Control. *Bridge Man will perform work as per the October 31, 1949, memorandum on concrete forms, by and between the United Brotherhood of Carpenters and Joiners of America and the Laborers' International Union of North America, which states in; "the moving, cleaning, oiling and carrying to the next point of erection, and the stripping of forms which are not to be re-used, and forms on all flat arch work shall be done by members of the Laborers' International Union of North America."

Group 2 Asphalt Raker, Screwman or Paver, Concrete Puddler, Kettle Man (pipeline), All Machine-Driven Tools (Gas, Electric, Air), Mason Tender, Brick Paver, Mortar Mixer, Skid Steer, Sheeting & Shoring Person, Surface Grinder Person, Screedperson, Water Blast, Hand Held Wand, Power Buggy or Power Wheelbarrow, Paint Striper, Plastic fusing Machine Operator, Rodding Machine Operator, Pug Mill Operator, Operator of All Vacuum Devices Wet or Dry, Handling of all Pumps 4 inches and under (gas, air or electric), Diver, Form Setter, Bottom Person, Welder Helper (pipeline), Concrete Saw Person, Cutting with Burning Torch, Pipe Layer, Hand Spiker (railroad), Underground Person (working in sewer and waterline, cleaning, repairing and reconditioning). Tunnel Laborer (without air), Caisson, Cofferdam (below 25 feet deep), Air Track and Wagon Drill, Sandblaster Nozzle Person, Hazardous Waste (level B), ***Lead Abatement, Hazardous Waste (level C) ***Includes the erecting of structures for the removal, including the encapsulation and containment of Lead abatement process.

Group 3 Blast and Powder Person, Muckers will be defined as shovel men working directly with the miners, Wrencher (mechanical joints & utility pipeline), Yarnier, Top Lander, Hazardous Waste (level A), Concrete Specialist, Curb Setter and Cutter, Grade Checker, Concrete Crew in Tunnels. Utility pipeline Tappers, Waterline, Caulker, Signal Person will receive the rate equal to the rate paid the Laborer classification for which the Laborer is signaling.

Group 4 Miner, Welder, Guniting Nozzle Person A.) The Watchperson shall be responsible to patrol and maintain a safe traffic zone including but not limited to barrels, cones, signs, arrow boards, message boards etc. The responsibility of a watchperson is to see that the equipment, job and office trailer etc. are secure.

Prevailing Wage Rate Skilled Crafts

Name of Union: Labor Local 265 Building

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Laborer

Effective Date:
6/10/2026

Effective Date:
6/10/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Laborer	\$27.05		\$9.45	\$9.90	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$46.90	\$60.43
Apprentice	BHR	Percent										
0-1000 Hours	\$21.64	\$80.00	\$9.45	\$9.90	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$41.49	\$52.31
1001 - 2000 Hours	\$22.99	\$85.00	\$9.45	\$9.90	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$42.84	\$54.34
2001 - 3000 Hours	\$24.35	\$90.00	\$9.45	\$9.90	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$44.20	\$56.38
3001 - 4000 Hours	\$25.70	\$95.00	\$9.45	\$9.90	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$45.55	\$58.40
More than 4000 Hours	\$27.05	\$100.00	\$9.45	\$9.90	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$46.90	\$60.43

(*)Special Calculation Note :

Ratio :

1 Journeymen to 1 Apprentice
3 Journeymen to 1 Apprentice thereafter

Jurisdiction (* denotes special jurisdictional note) :

Brown, Clermont, Clinton, Hamilton

Special Jurisdictional Note :

Details :

Building & Common Laborer, Asbestos Removal, Cement Mason Helpers, Hand Operated Mechanical Mule, Mechanical Mule, Mechanical Sweeper, Signaler, Flagger Wrecking Laborer, Bottom Man, Pipe Layer, Skid Steer, Industrial Fork Lift Operator, Burning Torch Operator, Jack Hammer, Air Spade, Chipping Hammer, Mechanical & Air Tamper Operator, Mechanical Concrete Buggies, Power Operated Mechanical Mule, Concrete Pump Hose Man, Vibrator Man, CERCLA Trained Hazardous, Material Removal (Levels A,B & C), High Lifts, Lulls and Dingo, Tunnel Laborer.

Prevailing Wage Rate Skilled Crafts

Name of Union: Labor Local 265A Mason Tender

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Laborer

Effective Date:
6/10/2026

Effective Date:
6/10/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Laborer Mason Tender/ Scaffolding/ Forklift Operator	\$26.80		\$9.45	\$9.90	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$46.65	\$60.05
Apprentice	BHR	Percent										
0-1000 Hours	\$21.44	\$80.00	\$9.45	\$9.90	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$41.29	\$52.01
1001-2000 Hours	\$22.78	\$85.00	\$9.45	\$9.90	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$42.63	\$54.02
2001-3000 Hours	\$24.12	\$90.00	\$9.45	\$9.90	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$43.97	\$56.03
3001-4000 Hours	\$25.46	\$95.00	\$9.45	\$9.90	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$45.31	\$58.04
Over 4000 Hours	\$26.80	\$100.00	\$9.45	\$9.90	\$0.40	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$46.65	\$60.05

(*)Special Calculation Note :

Ratio :

1 Journeymen to 1 Apprentice
3 Journeymen to 1 Apprentice thereafter

Jurisdiction (* denotes special jurisdictional note) :

Brown, Clermont, Clinton, Hamilton

Special Jurisdictional Note :

Details :

TENDERS: The tending of Masons and mixing, handling and conveying of all materials used by Brick or Stone Masons, whether done by hand or by any other procedure including but not limited to, all forklifts or other mechanical means, all heating and drying off all materials used by Brick or Stone Masons and cleaning and clearing of all debris.

SCAFFOLDING: The building and dismantling of scaffolding and staging for Masons shall be the work of the Mason Tenders.

Prevailing Wage Rate Skilled Crafts

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

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Operating Engineer

Effective Date:
5/1/2026

Effective Date:
5/1/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Operator Group A	\$47.29		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$64.74	\$88.39
Operator Group B	\$47.17		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$64.62	\$88.20
Operator Group C	\$46.13		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$63.58	\$86.65
Operator Group D	\$44.95		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$62.40	\$84.88
Operator Group E	\$39.49		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$56.94	\$76.69
Master Mechanic	\$48.29		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$65.74	\$89.89
Lift Director	\$48.29		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$65.74	\$89.89
Cranes & Mobile Concrete Pumps 150'-180'	\$47.79		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$65.24	\$89.14
Cranes & Mobile Concrete Pumps 180'-249'	\$48.29		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$65.74	\$89.89
Cranes & Mobile Concrete Pumps 249' and over	\$48.54		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$65.99	\$90.26
Apprentice	BHR	Percent										
1st Year	\$23.65	\$50.02	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$41.10	\$52.92
2nd Year	\$28.37	\$60.00	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$45.82	\$60.00
3rd Year	\$33.10	\$70.00	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$50.55	\$67.10
4th Year	\$37.83	\$80.00	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$55.28	\$74.19
Field Mechanic Trainee	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1st Year	\$28.37	\$60.00	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$45.72	\$59.91
2nd Year	\$33.10	\$70.00	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$50.45	\$67.00
3rd Year	\$37.83	\$80.00	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$55.18	\$74.09
4th Year	\$42.56	\$90.00	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$59.91	\$81.19

(*)Special Calculation Note :

Other: Education & Safety
Misc: National Training

Note: There will be a 10% increase for the apprentices on top of the percentages listed above provided they are operating mobile equipment.

Ratio :

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

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

Group A- Barrier Moving Machines; Boiler Operators or Compressor Operators, when compressor or boiler is mounted on crane (Piggyback Operation); Boom Trucks (all types); Cableways Cherry Pickers; Combination - Concrete Mixers & Towers; All Concrete Pumps with Booms; Cranes (all types); Compact Cranes, track or rubber over 4,000 pounds capacity; Cranes self-erecting, stationary, track or truck (all configurations); Derricks (all types); Draglines; Dredges (dipper, clam or suction) 3-man crew; Elevating Graders or Euclid Loaders; Floating Equipment; Forklift (rough terrain with winch/hoist); Gradalls; Helicopter Operators, hoisting building materials; Helicopter Winch Operators, Hoisting building materials; Hoes (All types); Hoists (with two or more drums in use); Horizontal Directional Drill; Hydraulic Gantry (lift system); Laser Finishing Machines; Laser Screed and like equipment; Lift Slab or Panel Jack Operators; Locomotives (all types); Maintenance Operator/Technician (Mechanic Operator/Technician and/or Welder); Mixers, paving (multiple drum); Mobile Concrete Pumps, with booms; Panelboards, (all types on site); Pile Drivers; Power Shovels; Prentice Loader; Rail Tamper (with automatic lifting and aligning device); Rotary Drills (all), used on caissons for foundations and sub-structure; Side Booms; Slip Form Pavers; Straddle Carriers (Building Construction on site); Trench Machines (over 24" wide); Tug Boats.

Group B - Articulating/end dumps (minus \$4.00/hour from Group B rate); Asphalt Pavers; Bobcat-type and/or skid steer loader with hoe attachment greater than 7000 lbs.; Bulldozers; CMI type Equipment; Concrete Saw, Vermeer-type; Endloaders; Hydro Milling Machine; Kolman-type Loaders (Dirt Loading); Lead Greasemen; Mucking Machines; Pettibone-Rail Equipment; Power Graders; Power Scoops; Power Scrapers; Push Cats; Rotomills (all), grinders and planers of all types.

Group C - A-Frames; Air Compressors, Pressurizing Shafts or Tunnels; All Asphalt Rollers; Bobcat-type and/or Skid Steer Loader with or without attachments; Boilers (15 lbs. pressure and over); All Concrete Pumps (without booms with 5 inch system); Fork Lifts (except masonry); Highway Drills - all types (with integral power); Hoists (with one drum); House Elevators (except those automatic call button controlled), Buck Hoists, Transport Platforms, Construction Elevators; Hydro Vac/Excavator (when a second person is needed, the rate of pay will be "Class E"); Man Lifts; Material hoist/elevators; Mud Jacks; Pressure Grouting; Pump Operators (installing or operating Well Points or other types of Dewatering Systems); Pumps (4 inches and over discharge); Railroad Tie (Inserter/Remover); Rotovator (Lime-Soil Stabilizer); Submersible Pumps (4" and over discharge); Switch & Tie Tampers (without lifting and aligning device); Trench Machines (24" and under); Utility Operators.

Group D - Backfillers and Tampers; Ballast Re-locator; Batch Plant Operators; Bar and Joint Installing Machines; Bull Floats; Burlap and Curing Machines; Clefplanes; Compressors, on building construction; Concrete Mixers, more than one bag capacity; Concrete Mixers, one bag capacity (side loaders); All Concrete Pumps (without boom with 4" or smaller system); Concrete Spreader; Conveyors, used for handling building materials; Crushers; Deckhands; Drum Fireman (in asphalt plants); Farm type tractors pulling attachments; Finishing Machines; Form Trenchers; Generators; Gunite Machines; Hydro-seeders; Pavement Breakers (hydraulic or cable); Post Drivers; Post Hole Diggers; Pressure Pumps (over 1/2" discharge); Road Widening Trenchers; Rollers (except asphalt); Self-propelled sub-graders; Shotcrete Machines; Tire Repairmen; Tractors, pulling sheepsfoot post roller or grader; VAC/ALLS; Vibratory Compactors, with integral power; Welders.

Group E - Allen Screed Paver (concrete); Boilers (less than 15 lbs. pressure); Cranes-Compact, track or rubber (under 4,000 pounds capacity); Directional Drill "Locator"; Fueling and greasing +\$3.00; Inboard/outboard Motor Boat Launches; Light Plant Operators; Masonry Fork Lifts; Oilers/Helpers; Power Driven Heaters (oil fired); Power Scrubbers; Power Sweepers; Pumps (under 4 inch discharge); Signaller, Submersible Pumps (under 4" discharge).

Master Mechanics - Master Mechanic

Cranes 150' – 180' - Boom & Jib 150 - 180 feet Cranes 180' – 249' - Boom & Jib 180 - 249 feet Cranes 250' and over - Boom & Jib 250 feet or over

Prevailing Wage Rate Skilled Crafts

Name of Union: Operating Engineers - HevHwy Zone II

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Operating Engineer

Effective Date:
5/1/2026

Effective Date:
5/1/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Operator Class A	\$47.29		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$64.74	\$88.39
Operator Class B	\$47.17		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$64.62	\$88.20
Operator Class C	\$46.13		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$63.58	\$86.65
Operator Class D	\$44.95		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$62.40	\$84.88
Operator Class E	\$39.49		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$56.94	\$76.69
Master Mechanic	\$48.29		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$65.74	\$89.89
Lift Director	\$48.29		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$65.74	\$89.89
Crane and Mobile Concrete Pump 150' - 179'	\$47.79		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$65.24	\$89.14
Crane and Mobile Concrete Pump 180' - 249'	\$48.29		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$65.74	\$89.89
Crane and Mobile Concrete Pump 250' and Ove	\$48.54		\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$65.99	\$90.26
Apprentice	BHR	Percent										
1st Year	\$23.64	\$50.00	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$41.09	\$52.91
2nd Year	\$28.37	\$60.00	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$45.82	\$60.00
3rd Year	\$33.10	\$70.00	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$50.55	\$67.10
4th Year	\$37.83	\$80.00	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.10	\$55.28	\$74.19
Field Mech Trainee	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1st year	\$28.37	\$60.00	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$45.72	\$59.91
2nd year	\$33.10	\$70.00	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$50.45	\$67.00
3rd year	\$37.83	\$80.00	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$55.18	\$74.09
4th year	\$42.56	\$90.00	\$10.01	\$6.25	\$1.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$59.91	\$81.19

(*)Special Calculation Note :

Other: Education & Safety Fund
Misc: National Training

**Apprentices will receive a 10% increase on top of the percentages listed above provided they are operating mobile equipment.

Ratio :

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

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

Class A - Air Compressors on Steel Erection; Asphalt Plant Engineers (Cleveland District Only); Barrier Moving Machine; Boiler Operators, Compressor Operators, or Generators, when mounted on a rig; Boom Trucks (all types); Cableways; Cherry Pickers; Combination- Concrete Mixers & Towers; Concrete Plants (over 4 yd capacity); Concrete Pumps; Cranes (all types); Compact Cranes track or rubber over 4,000 pounds capacity; Cranes self-erecting stationary, track or truck; Derricks (all types); Draglines; Dredges dipper, clam or suction; Elevating Graders or Euclid Loaders; Floating Equipment (all types); Gradalls; Helicopter Crew (Operator- hoist or winch); Hoes (all types); Hoisting Engines; Hoisting Engines, on shaft or tunnel work; Hydraulic Gantry (lifting system); Industrial-type Tractors; Jet Engine Dryer (D8 or D9) diesel Tractors; Locomotives (standard gauge); Maintenance Operators/Technicians (class A); Mixers, paving (single or double drum); Mucking Machines; Multiple Scrapers; Piledriving Machines (all types); Power Shovels, Prentice Loader; Quad 9 (double pusher); Rail Tamper (with automatic lifting and aligning device); Refrigerating Machines (freezer operation); Rotary Drills, on caisson work; Rough Terrain Fork Lift with winch/hoist; Side Booms; Slip Form Pavers; Survey Crew Party Chiefs; Tower Derricks; Tree Shredders; Trench Machines (over 24" wide); Truck Mounted Concrete Pumps; Tug Boats; Tunnel Machines and /or Mining Machines; Wheel Excavators.

Class B - Asphalt Pavers; Automatic Subgrade Machines, self-propelled (CMI-type); Bobcat-type and /or Skid Steer Loader with hoe attachment greater than 7000 lbs.; Boring Machine Operators (more than 48 inches); Bulldozers; Concrete Saws, Vermeer type; Endloaders; Horizontal Directional Drill (50,000 ft. lbs. thrust and over); Hydro Milling Machine; Kolman-type Loaders (production type-dirt); Lead Greasemen; Lighting and Traffic Signal Installation Equipment includes all groups or classifications; Maintenance Operators/Technicians, Class B; Material Transfer Equipment (shuttle buggy) Asphalt; Pettibone-Rail Equipment; Power Graders; Power Scrapers; Push Cats; Rotomills (all), Grinders and Planners of all types, Groovers (excluding walk-behinds); Trench Machines (24 inch wide and under).

Class C - A-Frames; Air Compressors, on tunnel work (low Pressure); Articulating/straight bed end dumps if assigned (minus \$4.00 per hour); Asphalt Plant Engineers (Portage and Summit Counties only); Bobcat-type and/or skid steer loader with or without attachments; Drones; Highway Drills (all types); HydroVac/Excavator (when a second person is needed, the rate of pay will be "Class E"); Locomotives (narrow gauge); Material Hoist/Elevators; Mixers, concrete (more than one bag capacity); Mixers, one bag capacity (side loader); Power Boilers (over 15 lbs. pressure); Pump Operators (installing or operating well Points); Pumps (4 inch and over discharge); Railroad Tie Inserter/Remover; Rollers, Asphalt; Rotovator (lime-soil Stabilizer); Switch & Tie Tampers (without lifting and aligning device); Utilities Operators, (small equipment); Welding Machines and Generators.

Class D – Backfillers and Tampers; Ballast Re-locator; Bar and Joint Installing Machines; Batch Plant Operators; Boring Machine Operators (48 inch or less); Bull Floats; Burlap and Curing Machines; Concrete Plants (capacity 4 yds. and under); Concrete Saws (multiple); Conveyors (highway); Crushers; Deckhands; Farm type tractors, with attachments (highway); Finishing Machines; Firemen, Floating Equipment (all types); Fork Lifts (highway), except masonry; Form Trenchers; Hydro Hammers; Hydro Seeders; Pavement Breakers (hydraulic or cable); Plant Mixers; Post Drivers; Post Hole Diggers; Power Brush Burners; Power Form Handling Equipment; Road Widening Trenchers; Rollers (brick, grade, macadam); Self-Propelled Power Spreaders; Self-Propelled Sub-Graders; Steam Firemen; Survey Instrument men; Tractors, pulling sheepsfoot rollers or graders; Vibratory Compactors, with integral power.

Class E - Compressors (portable, Sewer, Heavy and Highway); Cranes-Compact, track or rubber under 4,000 pound capacity; Drum Firemen (asphalt plant); Fueling and greasing (Primary Operator with Specialized CDL Endorsement Add \$3.00/hr); Generators; Inboard-Outboard Motor Boat Launches; Masonry Fork Lifts; Oil Heaters (asphalt plant); Oilers/Helpers; Power Driven Heaters (oil fired); Power Scrubbers; Power Sweepers; Pumps (under 4 inch discharge); Signalperson; Survey Rodmen or Chairmen; Tire Repairmen; VAC/ALLS.

Master Mechanic - Master Mechanic

Cranes and Mobile Concrete Pumps 150' -179' - Boom & Jib 150 - 179 feet Cranes and Mobile Concrete Pumps 180' - 249' - Boom & Jib 180 - 249 feet Cranes and Mobile Concrete Pumps 250' and over - Boom & Jib 250 feet or over

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 123 & 238 Commercial & Industrial

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Painter

Effective Date:
6/17/2026

Effective Date:
6/17/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Painter Brush Roll	\$30.84		\$7.30	\$7.50	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.95	\$61.37
Paper Hanger	\$30.84		\$7.30	\$7.50	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.95	\$61.37
Spray Painter	\$31.34		\$7.30	\$7.50	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.45	\$62.12
Sand Blaster Water Blaster	\$31.59		\$7.30	\$7.50	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.70	\$62.49
Elevated Tanks	\$31.84		\$7.30	\$7.50	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.95	\$62.87
Apprentice	BHR	Percent										
1st Year	\$20.05	\$65.00	\$7.30	\$2.60	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30.26	\$40.29
2nd Year	\$21.59	\$70.00	\$7.30	\$2.60	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.80	\$42.59
3rd Year	\$24.67	\$80.00	\$7.30	\$2.60	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.88	\$47.22
4th Year	\$27.76	\$90.00	\$7.30	\$2.60	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.97	\$51.85

(*)Special Calculation Note :

Apprentices shall be paid the proper % of the classification above.

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Brown, Butler, Clermont, Clinton, Hamilton, Warren

Special Jurisdictional Note :

Details :

Industrial Work paid as commercial work above for each class which includes, Industrial Plants, repair garages, processing plants, storage tanks, warehouses, skeletons structures, bridges unless highest point of clearance is 60 feet or more whether new or old construction offices and office buildings in industrial sites are at industrial rates. Heavy & Highway Bridges-Guard Rails- Light Poles. A hazardous steeplejack rate shall apply on radio towers, stacks, light towers, water towers, steeples, skeleton steel, and exterior industrial conveyors over 25 feet, where such items require steeplejack methods and the rate of pay shall be a \$1.00 per hour above the industrial rate. Steeplejack rate to apply to bridges where highest point of clearance is 60 feet.

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 123 & 238 Drywall

Type of Rate: Commercial

Change #:
LCN02-2026ib

Craft:
Painter

Effective Date:
5/1/2026

Effective Date:
5/1/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Painter Drywall Finisher	\$35.24		\$7.30	\$7.50	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50.35	\$67.97
Apprentice	BHR	Percent										
1st Year	\$26.43	\$75.00	\$7.30	\$2.60	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.64	\$49.85
2nd Year	\$29.95	\$85.00	\$7.30	\$2.60	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.16	\$55.13
3rd Year	\$33.48	\$95.00	\$7.30	\$2.60	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.69	\$60.43

(*)Special Calculation Note :

High Pay – Over 60ft add \$1.00 an hour

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Brown, Butler, Clermont, Clinton, Hamilton, Warren

Special Jurisdictional Note :

Details :

Industrial Work paid as commercial work above for each class which includes: Industrial Plants, repair garages, processing plants, storage tanks, warehouses, skeletons structures, bridges unless highest point of clearance is 60 feet or more whether new or old construction offices and office buildings in industrial sites are at industrial rates. Heavy & Highway Bridges - Guard Rails - Light Poles.

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 123 & 238 Hvy Hwy

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Painter

Effective Date:
6/17/2026

Effective Date:
6/17/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Painter Bridge - Class 1	\$41.23		\$7.30	\$7.50	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$56.34	\$76.95
Bridge Painter, Rigger, Containment Builder, Spot Blaster - Class 2	\$34.23		\$7.30	\$7.50	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$49.34	\$66.45
Equipment Operator/ Field Mechanic, Grit Reclamation, Paint Mixer, Traffic Control, Boat Person - Class 3	\$34.23		\$7.30	\$7.50	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$49.34	\$66.45
Concrete Sealing, Concrete Blasting/Powder Washing, Etc. - Class 4	\$34.23		\$7.30	\$7.50	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$49.34	\$66.45
Quality Control/Quality Assurance, Traffic Safety, Competent Person - Class 5	\$34.23		\$7.30	\$7.50	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$49.34	\$66.45
Apprentice	BHR	Percent										
1st Year	\$30.92	\$75.00	\$7.30	\$2.60	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.13	\$56.59
2nd Year	\$35.05	\$85.00	\$7.30	\$2.60	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.26	\$62.78
3rd Year	\$39.17	\$95.00	\$7.30	\$2.60	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$49.38	\$68.97

(*)Special Calculation Note :

Apprentices shall be paid proper % of the classification above

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Brown, Butler, Clermont, Clinton, Hamilton, Warren

Special Jurisdictional Note :**Details :**

Industrial Work paid as commercial work above for each class which includes, Industrial Plants, repair garages, processing plants, storage tanks, warehouses, skeletons structures, bridges unless highest point of clearance is 60 feet or more whether new or old construction offices and office buildings in industrial sites are at industrial rates.

Heavy & Highway Bridges - Guard Rails - Light Poles.

A hazardous steeplejack rate shall apply on radio towers, stacks, light towers, water towers, steeples, skeleton steel, and exterior industrial conveyors over 25 feet, where such items require steeplejack methods and the rate of pay shall be a \$1.00 per hour above the industrial rate. Steeplejack rate to apply to bridges where highest point of clearance is 60 feet.

Class 1 – Abrasive blasting of any kind.

Class 2 – Bridge painting, coating application of any kind. All steel surface preparation other than abrasive blasting. All necessary rigging and containment building. All remedial/ spot blasting.

Class 3 – Tend to all equipment including but not limited to abrasive basting, power washing, spray painting, forklifts, hoists, trucks, etc. Load and unload trucks, handle materials, man safety boats, handle traffic control, clean up/ vacuum abrasive blast materials and related tasks.

Class 4 – All aspects of concrete coating/ sealing including but not limited to preparation, containment, etc.

Class 5 – Verify and record that all work is completed according to job specifications. Assure that all health and safety standards are adhered to. Assure all traffic is safely handled.

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 639 Sign and Display

Type of Rate: Commercial

Change #:
LCN01-2025ib

Craft:
Painter

Effective Date:
6/18/2025

Effective Date:
6/18/2025

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

(*)Special Calculation Note :

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

Ratio :

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

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

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 639 Zone 2 Sign

Type of Rate: Commercial

Change #:
LCN01-2025ib

Craft:
Painter

Effective Date:
5/28/2025

Effective Date:
5/28/2025

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

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

(*)Special Calculation Note :

Other is for paid holidays.

Ratio :

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

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

Prevailing Wage Rate Skilled Crafts

Name of Union: Plasterer Local 132 (Dayton)

Type of Rate: Commercial

Change #: LCN01-2026ib

Craft: Plasterer

Effective Date: 5/20/2026

Effective Date: 5/20/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Plasterer	\$31.68		\$8.90	\$7.60	\$0.70	\$0.00	\$3.90	\$0.07	\$0.00	\$0.00	\$52.85	\$68.69
Apprentice	BHR	Percent										
1st 800 Hours	\$22.18	\$70.00	\$8.90	\$0.00	\$0.70	\$0.00	\$3.90	\$0.07	\$0.00	\$0.00	\$35.75	\$46.84
2nd 800 Hours	\$23.44	\$74.00	\$8.90	\$0.00	\$0.70	\$0.00	\$3.90	\$0.07	\$0.00	\$0.00	\$37.01	\$48.73
3rd 800 Hours	\$24.71	\$78.00	\$8.90	\$7.60	\$0.70	\$0.00	\$3.90	\$0.07	\$0.00	\$0.00	\$45.88	\$58.23
4th 800 Hours	\$25.98	\$82.00	\$8.90	\$7.60	\$0.70	\$0.00	\$3.90	\$0.07	\$0.00	\$0.00	\$47.15	\$60.14
5th 800 Hours	\$27.24	\$86.00	\$8.90	\$7.60	\$0.70	\$0.00	\$3.90	\$0.07	\$0.00	\$0.00	\$48.41	\$62.03
6th 800 Hours	\$28.51	\$90.00	\$8.90	\$7.60	\$0.70	\$0.00	\$3.90	\$0.07	\$0.00	\$0.00	\$49.68	\$63.94
7th 800 Hours	\$29.78	\$94.00	\$8.90	\$7.60	\$0.70	\$0.00	\$3.90	\$0.07	\$0.00	\$0.00	\$50.95	\$65.84
8th 800 Hours	\$31.05	\$98.00	\$8.90	\$7.60	\$0.70	\$0.00	\$3.90	\$0.07	\$0.00	\$0.00	\$52.22	\$67.75

(*)Special Calculation Note :

OTHER: International Training Fund

Ratio :

1 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Champaign, Clark, Clinton, Darke, Greene, Miami, Montgomery, Preble, Shelby

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Plumber Pipefitter Local 162

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Plumber Pipefitter

Effective Date:
7/8/2026

Effective Date:
7/8/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Plumber Pipefitter	\$50.60		\$12.30	\$10.87	\$1.11	\$0.00	\$3.35	\$0.00	\$0.00	\$0.00	\$78.23	\$103.53
Apprentice	BHR	Percent										
1st Year	\$25.59	\$50.57	\$12.30	\$3.26	\$0.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.72	\$54.52
2nd Year	\$28.07	\$55.47	\$12.30	\$5.69	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.68	\$60.72
3rd Year	\$30.55	\$60.37	\$12.30	\$8.53	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52.04	\$67.31
4th Year	\$35.51	\$70.17	\$12.30	\$10.63	\$0.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$59.20	\$76.95
5th Year	\$40.48	\$80.00	\$12.30	\$10.87	\$0.85	\$0.00	\$3.35	\$0.00	\$0.00	\$0.00	\$67.85	\$88.09

(*)Special Calculation Note :

Ratio :

- 1 Journeyman to 1 Apprentice
- 2 - 4 Journeymen to 2 Apprentices
- 5 - 7 Journeymen to 3 Apprentices
- 8 - 10 Journeymen to 4 Apprentices

Jurisdiction (* denotes special jurisdictional note) :

Champaign, Clark, Clinton, Darke, Fayette, Greene, Miami, Montgomery, Preble

Special Jurisdictional Note :

Details :

Wage rate covers: all plumbing, pipefitting, heating, refrigeration and air conditioning work.

Prevailing Wage Rate Skilled Crafts

Name of Union: Roofer Local 75

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Roofer

Effective Date:
6/24/2026

Effective Date:
6/24/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Roofer	\$31.95		\$8.98	\$8.98	\$0.58	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$52.49	\$68.47
Slate and Tile	\$32.17		\$8.98	\$8.98	\$0.58	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$52.71	\$68.80
Apprentice	BHR	Percent										
Apprentice Probation 499 hrs	\$21.73	\$68.00	\$2.50	\$0.50	\$0.58	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$27.31	\$38.17
1st Term 1250 hrs	\$21.73	\$68.00	\$8.58	\$1.32	\$0.58	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$34.21	\$45.08
2nd Term 1250 hrs	\$23.96	\$75.00	\$8.58	\$2.20	\$0.58	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$37.32	\$49.30
3rd Term 1250 hrs	\$25.56	\$80.00	\$8.58	\$3.07	\$0.58	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$39.79	\$52.57
4th Term 1250 hrs	\$28.75	\$90.00	\$8.58	\$3.95	\$0.58	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$43.86	\$58.23
Pre-Apprentice	\$25.24	\$79.00	\$5.00	\$1.58	\$0.58	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$34.40	\$47.02

(*)Special Calculation Note :

Ratio :

3 Journeymen to 2 Apprentices
1 Pre-Apprentice to 2 Apprentices

Jurisdiction (* denotes special jurisdictional note) :

Allen, Auglaize, Clark, Clinton, Darke, Greene, Mercer, Miami, Montgomery, Preble, Shelby, Van Wert

Special Jurisdictional Note :

Details :

Pre-Apprentices can do all work of a Journeyman

Prevailing Wage Rate Skilled Crafts

Name of Union: Sheet Metal Local 24 (Dayton)

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Sheet Metal Worker

Effective Date:
8/5/2026

Effective Date:
8/5/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Sheet Metal Worker	\$36.69		\$11.35	\$15.71	\$1.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$65.09	\$83.44
Apprentice	BHR	Percent										
1st Year (Probationary Period)	\$22.01	\$60.00	\$10.69	\$5.01	\$1.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.05	\$50.05
2nd Year	\$23.85	\$65.00	\$10.77	\$6.35	\$1.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42.31	\$54.23
3rd Year	\$27.52	\$75.02	\$10.94	\$9.02	\$1.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.82	\$62.58
4th Year	\$31.19	\$85.00	\$11.11	\$11.69	\$1.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$55.33	\$70.92

(*)Special Calculation Note :

Ratio :

1 Journeyman to 1 Apprentice then,
1 Apprentice for every 2 Journeymen thereafter

Jurisdiction (* denotes special jurisdictional note) :

Allen, Auglaize, Butler, Champaign, Clark, Clinton, Darke, Greene, Hardin, Logan, Mercer, Miami, Montgomery, Preble, Shelby, Van Wert, Warren, Wyandot

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Sprinkler Fitter Local 669

Type of Rate: Commercial

Change #:
LCR01-2025ib

Craft:
Sprinkler Fitter

Effective Date:
8/6/2025

Effective Date:
8/6/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Sprinkler Fitter	\$48.28		\$12.40	\$7.40	\$0.54	\$0.00	\$7.74	\$0.00	\$0.00	\$0.00	\$76.36	\$100.50
Apprentice	BHR	Percent										
CLASS 1	\$24.14	\$50.00	\$9.03	\$0.00	\$0.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$33.71	\$45.78
CLASS 2	\$27.04	\$56.00	\$9.03	\$0.00	\$0.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.61	\$50.13
CLASS 3	\$29.45	\$61.00	\$12.40	\$7.40	\$0.54	\$0.00	\$1.15	\$0.00	\$0.00	\$0.00	\$50.94	\$65.66
CLASS 4	\$31.38	\$65.00	\$12.40	\$7.40	\$0.54	\$0.00	\$1.15	\$0.00	\$0.00	\$0.00	\$52.87	\$68.56
CLASS 5	\$33.31	\$69.00	\$12.40	\$7.40	\$0.54	\$0.00	\$1.40	\$0.00	\$0.00	\$0.00	\$55.05	\$71.70
CLASS 6	\$36.21	\$75.00	\$12.40	\$7.40	\$0.54	\$0.00	\$1.40	\$0.00	\$0.00	\$0.00	\$57.95	\$76.05
CLASS 7	\$38.14	\$79.00	\$12.40	\$7.40	\$0.54	\$0.00	\$1.40	\$0.00	\$0.00	\$0.00	\$59.88	\$78.95
CLASS 8	\$40.56	\$84.00	\$12.40	\$7.40	\$0.54	\$0.00	\$1.40	\$0.00	\$0.00	\$0.00	\$62.30	\$82.58
CLASS 9	\$42.97	\$89.00	\$12.40	\$7.40	\$0.54	\$0.00	\$1.40	\$0.00	\$0.00	\$0.00	\$64.71	\$86.19
CLASS 10	\$44.90	\$93.00	\$12.40	\$7.40	\$0.54	\$0.00	\$1.40	\$0.00	\$0.00	\$0.00	\$66.64	\$89.09

(*)Special Calculation Note :

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

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

Prevailing Wage Rate Skilled Crafts

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

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Truck Driver

Effective Date:
5/1/2026

Effective Date:
5/1/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Truck Driver CLASS 1	\$34.90		\$10.75	\$9.60	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$55.75	\$73.20
Apprentice	BHR	Percent										
First 6 months	\$27.92	\$80.00	\$10.75	\$9.60	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.77	\$62.73
7-12 months	\$29.67	\$85.02	\$10.75	\$9.60	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50.52	\$65.36
13-18 months	\$31.41	\$90.00	\$10.75	\$9.60	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52.26	\$67.97
19-24 months	\$33.16	\$95.02	\$10.75	\$9.60	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$54.01	\$70.59
25-30 months	\$34.90	\$100.00	\$10.75	\$9.60	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$55.75	\$73.20

(*)Special Calculation Note :

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

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

Prevailing Wage Rate Skilled Crafts

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

Type of Rate: Commercial

Change #:
LCN01-2026ib

Craft:
Truck Driver

Effective Date:
5/1/2026

Effective Date:
5/1/2026

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Truck Driver CLASS 2	\$35.91		\$10.75	\$9.60	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$56.76	\$74.72
Apprentice	BHR	Percent										
First 6 months	\$28.72	\$79.99	\$10.75	\$9.60	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$49.57	\$63.93
7-12 months	\$30.52	\$85.00	\$10.75	\$9.60	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$51.37	\$66.63
13-18 months	\$32.32	\$90.00	\$10.75	\$9.60	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$53.17	\$69.33
19-24 months	\$34.11	\$95.00	\$10.75	\$9.60	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$54.96	\$72.02
25-30 months	\$35.91	\$100.00	\$10.75	\$9.60	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$56.76	\$74.72

(*)Special Calculation Note :

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

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

SECTION 01043
COORDINATION AND CONTROL OF THE WORK

PART 1 GENERAL

1.01 SCOPE

- A. This section includes coordination and control of the Work.

1.02 SUBMITTALS

- A. Submittals shall be in accordance with the requirements of Section 01300 and shall include:
1. Information for the Record:
 - a. Haul routes to and from Site.
 - b. Plan and procedures for any shut downs and bypass pumping.
 - c. A control of water plan, to be approved by ODNR.
 - d. Coordination drawings shall include, but not be limited to, all process piping including, but not limited to, bill of material, laying length, embedded conduit runs, and embedded plumbing lines.

1.03 LINES AND GRADES

- A. All Work under this Contract shall be built in accordance with the lines and grades shown on the Drawings or as altered or modified by authority of the Owner and Engineer.

1.04 EXISTING STRUCTURES SHOWN ON DRAWINGS

- A. Where underground and surface structures are shown on the Drawings, the location, depth, and dimensions of such structures are believed to be reasonably correct but are not guaranteed.
- B. Such structures are shown for the information of the Contractor, but information so given is not to be construed as a representation that such structures will in all cases be found or encountered just where shown, or that they represent all the structures which may be encountered.

1.05 COOPERATION OF CONTRACTOR

- A. The Contractor shall conduct his operations so as to interfere as little as possible with those of the Owner, other contractors, utilities, or any public authority on or near the Work.

- B. The Owner reserves the right to perform other Work by contract or otherwise, and to permit other public bodies, public utility companies, and others to do Work on or near the project during progress of the Work. If a conflict arises, the Owner will determine when and how the Work shall proceed.
- C. Claims for delay or inconvenience due to operations of such other parties on Work specified, shown on the Drawings, as directed or which can be reasonably expected to be encountered by the nature and location of the Work will not be considered.
- D. Operations entailing the use of construction equipment and lights outside the hours of 8:00 am and 5:00 pm or outside the hours allowed for construction by local ordinances or regulations.
- E. Contractor and subcontractors are required under Ohio Revised Code Section 149.53 to Notify the Ohio Historical society and the Ohio Historic Site Preservation Board of archeological discoveries located in the project area and to cooperate with these entities in archeological and historical surveys.
 - 1. State Historical Preservation Phone number 614-298-2000.

1.06 RESERVED

1.07 RESERVED

1.08 RESERVED

1.09 TEMPORARY PARKING FACILITIES

- A. Parking spaces for the Contractor's personnel shall be provided and maintained in usable condition by the Contractor at all times. Provisions shall be made so that sediment is not tracked onto paved roadways from the vehicles operated by the Contractor's personnel. The parking areas shall consist of a temporary parking shown on the Drawings. Temporary parking areas are to be located in the area designated by the Owner and Engineer. At the completion of the project, temporary parking areas shall be removed and the surface restored as specified, shown on the Drawings, as directed or to its original condition.
- B. The Contractor's personnel shall not utilize existing permanent parking areas unless specifically noted otherwise on the Drawings.
- C. The Contractor shall be responsible for the coordination of submittals and field verifications as required for the various parts of the Work.
- D. All submittals to the Engineer, unless otherwise specified, shall be made only by the Contractor. Direct submittals from subcontractors or suppliers will not be accepted.

1.10 RESERVED

1.11 DISPOSAL OF DEBRIS

- A. All debris resulting from construction operations, i.e., packaging, waste materials, damaged equipment, etc., shall be trucked from the Site by the Contractor and disposed of at spoil sites.
- B. The Contractor shall police the hauling of debris to ensure that all spillage from haul trucks is promptly and completely removed from public or private rights-of-way.
- C. All debris shall be disposed of in accordance with federal, state, and local laws and regulations.

1.12 CONTROL OF NOISE

- A. The Contractor shall eliminate noise to as great an extent as possible at all times. Air compressors shall be equipped with silencers and the exhaust of all gasoline motors and other power equipment shall be provided with mufflers. In the vicinity of hospitals, libraries, and schools, precautions shall be taken to avoid noise and other nuisance, and the Contractor shall require strict observances of all pertinent ordinances and regulations. Any blasting permitted in such locations shall be done with reduced charges.

1.13 SMOKE PREVENTION

- A. Strict compliance with all ordinances regulating the production and emission of smoke will be required, and the Contractor shall accept full responsibility for all damage that may occur to property as a result of negligence in providing required control.

1.14 RESERVED

1.15 RESERVED

1.16 RESERVED

1.17 EMERGENCY MAINTENANCE SUPERVISOR

- A. The Contractor shall submit to the Engineer the names, addresses, and telephone numbers of two employees responsible for performing emergency maintenance and repairs when the Contractor is not working. These employees shall be designated in writing by the Contractor to act as his representative and shall have full authority to act on his behalf as specified in GC 6.2 of the General Conditions.
- B. Contractor shall post at job Site, in a conspicuous location, the emergency numbers for the project.

- C. Contractor shall be responsible for contacting the local fire, police, and emergency response personnel and organizations in advance of the Work. The Contractor shall be responsible for the coordination and compliance with emergency response plans, whether developed by the governing agency, laws, or the Contractor for the project.
- D. At least one of the designated employees shall be available for a telephone call any time an emergency arises.

1.18 RESERVED

1.19 UNAUTHORIZED OR PROHIBITED WORK

- A. Work done beyond the lines shown on the Drawings or ordered, Work done without required inspection, except as herein provided, or any extra work done without authority will be considered as unauthorized and will not be paid for under the provisions of the Contract. Work so done may be ordered removed at the Contractor's expense. Work done without lines and grades being given shall be considered as unauthorized and subject to rejection.
- B. Disposing of excess or unsuitable materials, including but not limited to excavated material, demolition debris, clearing and grubbing debris, in wetlands or flood plains.
- C. Locating stock piles in environmentally sensitive areas.
- D. Pumping of sediment-laden water from trenches or excavations directly into any surface waters, stream, wetlands, or sewers. Pumped water shall be properly filtered and desilted prior to discharge.
- E. Open burning without a permit.
- F. Discharging injurious silica dust concentrations into the atmosphere within 200 feet of any residential or commercial, or public or private places of human occupancy.

PART 2 PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

PART 4 SPECIAL PROVISIONS

4.01 SEQUENCE OF CONSTRUCTION

- A. Tree clearing
 - 1. Clearing of trees shall occur from October 1 through March 31. (Issued by Addendum, August 14, 2026)

- B. Removal of Stumps
 - 1. Stump removal shall be completed per notes on drawings sheet R-1.
- C. Drain Reservoir #3
 - 1. This will be performed by the Village of Blanchester. They will need at least 20 days' notice of when work is planned to begin as this is how long it will take to completely drain the work area. It could take longer due to significant rain event(s).
 - a. During the dry season the Run that flows into Reservoir #3 runs mostly dry until the next rain event.
 - 2. The Village will utilize the raw water pump station to fill the adjacent reservoirs and partially drain Reservoir 3. Water will initially be drained to an elevation of 957.0.
 - 3. For the remaining portion required for drainage the Village will utilize a 1,000 gallon per minute (gpm) pump and keep on site to help remove any rainwater while construction is ongoing, to an estimated elevation of 954.0. **(Issued by Addendum, August 14, 2026)** A temporary sump may need to be constructed. The Contractor may use the Village's pump. **(Issued by Addendum, August 14, 2026)** The newly constructed drainpipe and valve will be kept open throughout construction to allow the work area to remain unfilled.
- D. Demolition of the Existing Spillway Structure that is marked for removal.
- E. Installation of new drain including piping, valve, backfill, and compaction thus making the drainpipe operational. During the remainder of construction, the drainpipe will assist in maintaining the water level within the reservoir.
- F. Demolition of existing drainpipe and emergency spillway. This includes Embankment Improvements, and Toe Drain Installation
 - 1. Existing emergency spillway structure and existing drain to be removed followed by backfilling as shown on the Drawings and Specifications. Work to be completed after the new drain piping and valve are operational. Note: existing reservoir drain is not functional.
 - 2. The down stream side of the reservoir embankment is to be flattened from a 2:1 to 3:1 slope, as marked on sheet C-3 of the Drawings.
 - 3. The new Toe Drain for the embankment will be installed at this time.
 - 4. Areas that will not have further construction will be graded.
- G. Construction of the New Spillway
 - 1. Construction of the Spillway, Underdrain System, and associated structures shall be completed at this time.

- H. Drive Construction
 - 1. The Gravel Drive shall be constructed as shown on the drawings.
- I. Finish Grading and Seeding
- J. Initial Filling of reservoir
 - 1. Once all work around embankment is substantially complete and approved by the Engineer, the Village will initiate the process of filling the reservoir. At average flows from the influent stream this process will take approximately 11 days.
 - 2. The reservoir will be filled at a controlled pace by the Village utilizing the raw water pump station to fill the other reservoirs to adjust the reservoir level. Reservoir 3 shall be filled in two foot increments and allowed a one week observation and inspection period after each filling increment. If acceptable after monitoring period the next increment of filling can occur until the new Reservoir 3 level of 964.0 is reached.

END OF SECTION

**SECTION 01310
CONSTRUCTION SCHEDULES AND DOCUMENTATION**

PART 1 GENERAL

1.01 SCOPE

- A. This Section includes the requirements for construction schedules and construction sequences.
- B. This Section includes the requirements for the tracking and documentation of the progress and activities driving the completion of the Work as specified, shown on the Drawings and as directed.

1.02 SUBMITTALS

- A. Submittals shall be in accordance with the requirements of Section 01300 and shall include:
 - 1. Information for the Record:
 - a. Preliminary Construction Schedule.
 - b. Contractor's Construction Schedule and monthly updates.
 - c. Submittals Schedule.
- B. Contractor shall submit three copies of the 24-inch by 36-inch construction schedule, unless approved otherwise by the Engineer.

1.03 QUALITY ASSURANCE

- A. Scheduling conference shall be held prior to the commencement of the construction to discuss the following including, but not limited to:
 - 1. Construction sequencing.
 - 2. Contractor's coordination of subcontractors.
 - 3. Coordination with the Owner's operations.
 - 4. Coordination with other Contractor's or other Work.
 - 5. Project milestones.
 - 6. Owner's partial utilization.

PART 2 PRODUCTS

2.01 PRELIMINARY CONSTRUCTION SCHEDULE

- A. Preliminary construction schedule shall be completed in accordance with the General Conditions and prior to the scheduling conference.

- B. The preliminary schedule shall outline the Contractor's sequencing of tasks, activities, milestones, and all critical path items within the contract time.

2.02 CONSTRUCTION SCHEDULE

- A. The Contractor's submission of the construction schedule will not change the contract completion date, whether reviewed by the Owner and Engineer or not. The Contractor shall incorporate all approved change orders that have resulted in a contract time extension.
- B. The Contractor shall require all subcontractors engaged in the Work to submit to the Contractor construction schedules, as specified herein, for incorporation into the Contractor's construction schedule.
- C. The construction schedule shall include, but not limited to, the following dates:
 - 1. Notice to Proceed.
 - 2. Substantial Completion and Final Completion.
 - 3. Commencement of on-site operations.
 - 4. Milestones as specified, shown on the Drawings, and as directed.
 - 5. Ordering, submittals, fabrication, delivery, startup, and training time of major equipment items.
 - 6. Submittal schedule per the General Conditions.
- D. The Contractor shall incorporate into the construction schedule all constraints and work restrictions specified or otherwise required by the Contractor's operations, including, but not limited to, the following:
 - 1. Construction sequencing.
 - 2. Contractor's coordination of subcontractors.
 - 3. Coordination with the Owner's operations.
 - 4. Coordination with other Contractor's or other work.
 - 5. Project milestones.
 - 6. Owner's partial utilization.

2.03 UPDATING CONSTRUCTION SCHEDULE

- A. The Contractor shall keep the construction schedule current to the progress of the Work continually through closeout of the project. The construction schedule shall be submitted monthly for the Engineer's review.

2.04 WEEKLY CONSTRUCTION SCHEDULE

- A. The Contractor shall submit a schedule of his work for each week. This schedule shall identify the foreman of each work crew and the location and type of work the crew will be doing each day. It shall be delivered no later than 4:00 p.m. of the next to last regular workday of the preceding week to the Resident Project Representative's office.

PART 3 EXECUTION

3.01 COORDINATION

- A. All phases of the Work requiring interference with normal operations of the existing facilities shall be scheduled in accordance with agreements among the Contractor, Owner, and Engineer. The Contractor shall notify the Owner at least one week before such Work is to begin.

PART 4 SPECIAL PROVISIONS

4.01 SCHEDULED NON-WORK DAYS

- A. The Contractor may perform Work on weekends. (Issued by Addendum, August 14, 2026)
- B. The Contractor shall restrict Work to normal operating hours and consider the following list of holidays as mandatory non-work days, all of which shall be incorporated into the construction schedule:
1. New Year's Day.
 2. ~~Martin Luther King Day.~~
 3. ~~President's Day.~~
 4. ~~Good Friday.~~
 5. Memorial Day.
 6. Fourth of July.
 7. Labor Day.
 8. ~~Columbus Day.~~
 9. ~~Veteran's Day.~~
 10. Thanksgiving Day.
 11. ~~Day after Thanksgiving Day.~~
 12. ~~Christmas Eve Day.~~
 13. Christmas Day. (Issued by Addendum, August 14, 2026)

END OF SECTION

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**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 cofferdamming 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 or Materials Testing 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 with stamp by a registered professional engineer.
 - d. Test results for conformance with specified "Compaction Requirements":
 - 1) Testing shall be in accordance with Ohio Administrative Code (OAC) Rule 1501:21-3-02(D). The rule states that engineering and construction inspection and testing services for all dam construction shall be performed by an independent company that is not affiliated with, or hired by, the construction contractor.
 - 2) 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. Details of the proposed method of installation and construction of dewatering wells.
 - c. Schedule of the proposed sequence of dewatering well construction.
 - d. Dewatering logs.
 - e. 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 Materials Testing Engineer.
1. Be classified as CH, CL, or CL-ML materials in accordance with the Unified Soil Classification System (USCS) as set forth in ASTM D2487. The coarse grained (sand and gravel) content shall not exceed 30 percent of the bulk soil material content by weight. The maximum hydraulic conductivity shall be 1×10^{-7} cm/s.
 2. The Village has indicated that material believed to be suitable is available near Reservoir 6. This area is also available to place spoils. Spoils must be pushed off with a dozer. **(Issued by Addendum, August 14, 2026)**

2.03 SPECIAL BACKFILL MATERIAL

- A. Special backfill material shall conform to ODOT 304.
1. Only acceptable as pavement base for the dam crest, as subgrade for the footprint of the proposed manhole structure, and as base for the mats of the outlet headwall structure and drainage structure, shown on Drawings S-3.

2.04 AGGREGATE BEDDING MATERIAL

- A. Aggregate bedding material shall be well-graded durable crushed gravel, crushed stone or meeting the gradation requirements of ODOT Table 703.01-1.
- B. Aggregate bedding material shall be as follows:
1. For PVC pipe diameters 10 inches and less, bedding material shall be No. 8 (nominal size 3/8-inch to sieve No. 8) and used in areas marked on the drawings.
 2. All other aggregate bedding shall be No. 8, No. 67 or No. 57 stone. No. 57 (nominal size 1-inch to sieve No. 4) shall not be used for bedding PVC, HDPE or plastic pipes and used in areas as marked on the drawings.
- C. Sand Backfill

The gradation of the sand shall be as follows: Sieve Name	Sieve Size, mm	% Finer
3/8	9.5	100
No. 4	4.75	95-100
No. 8	2.36	55-80-100

No. 10	2	50-100
No. 16	1.18	36-100-50-85
No. 30	0.6	18-64 25-60
No. 40	0.425	8-52
No. 50	0.3	0-42 10-30
No. 100	0.15	0- 2410
No. 200	0.075	0-5

(Issued by Addendum, August 14, 2026)

- D. Controlled Density Fill Material (CDF) – where marked on the drawings for bedding material CDF shall be Compacted ODOT Item 613 Type 2.

2.05 RESERVED

2.06 SLOPE AND CHANNEL PROTECTION

- A. Rock Channel protection shall be in accordance with ODOT 601.09 and as noted on the drawings.

PART 3 EXECUTION

3.01 COORDINATION

- A. 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 (pot hole) 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~~ **6 (Issued by Addendum, August 14, 2026)** 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, weeds, 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 peat, muck, roots, hard clay, coarse gravel, stones, weeds, 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 Selected backfill.
- 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~~ **(Issued by Addendum, August 14, 2026)** at the time of backfilling to avoid problems with finish grade or future excavation.
4. Sheeting shall be cut-off at the time of backfilling to avoid problems with finish grade or future excavation. **(Issued by Addendum, August 14, 2026)**

F. Removal of Water:

1. Prior to construction the Owner shall drain Reservoir 3 of all water with the use of their 1,000-gpm pump. This pump will remain onsite for the use of removing any water that flows into the reservoir.
2. 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. No water is allowed in excavations prior to or during fill placement. 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.
3. 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 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 Selected backfill.

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 bedding material as shown on the Drawings and as specified. For the pipe passing through the embankment must be backfilled with a clay material except for the area of the sand diaphragm filter.
 - 1. Backfill around the pipe must be placed in 4-inch-loose lifts with a maximum particle size of 2 inches using hand tampers until fill is 2 feet above the top of the pipe. Once 2 feet above the pipe, backfill may be placed in 8-inch-loose lifts with a maximum particle size of 4 inches and compacted with a sheepsfoot roller.
- B. 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. Material shall conform to paragraph 2.02 of this section. No large pieces of rock or masonry shall be deposited closer than 24 inches from the completed outside surface of any structure or pipe.

- C. 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.
- D. 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.
 - 1. Backfill around structures and above pipelines must be placed in 4-inch-loose lifts with a maximum particle size of 2 inches using hand tampers until fill is 2 feet away from the structure or above the pipelines. Once 2 feet beyond the structure or pipeline, backfill will be placed in 8-inch loose lifts with a maximum particle size of 4 inches and compacted with a sheepsfoot roller.
- E. 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 8-inch loose thickness, 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.
- F. 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.
- G. Backfilling Under Structures – Select backfill shall be used as subbase below the aggregate base materials of the structures. Refer to the Drawings for aggregate base materials. The aggregate base shall not be thicker than called for on the Drawings. 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.

- H. Prior to backfilling under structures, the natural subgrade shall be evaluated at regular intervals, as noted in Part 4.01 Field Testing in this section, in each direction by the independent testing laboratory, and reviewed by the Engineer, 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 Engineer shall submit a remedy for the Contractor to perform.

3.08 COMPACTION REQUIREMENTS

- A. Minimum moisture shall be the soils Optimum Moisture Content (OMC) as defined by the ASTM D698 (Moisture Density Relationship). Maximum moisture shall be 3 percent greater than the Optimum Moisture content.
- B. The top 12 inches of the subgrade of all stripped or cut areas shall be compacted to a 100% of maximum dry density per ASTM D698 (Standard Proctor) prior to placing of fill.
- C. Backfill placed under areas receiving concrete slabs, mats or footings, from the subgrade to the bottom of the concrete, shall be compacted to not less than 100% of maximum dry density per ASTM D698.
- D. The top 12 inches of the soil subbase under the stone drive shall be compacted to 100% of the maximum dry density as determined by ASTM D698 (Standard Proctor).
- E. If the density of the compacted material is less than required, the Contractor shall immediately cease embankment and backfill operations until the problem has been corrected to the satisfaction of the Materials Testing Engineer.

3.09 FIELD QUALITY CONTROL

- A. The Materials Testing Engineer will perform lift thickness measurements to determine compliance with this specification.
- B. The Materials Testing Engineer will perform material tests in the field on the placed Selected backfill to determine compliance with this specification.
- C. The Materials Testing Engineer will perform compaction tests on each lift and subgrade to assure that the moisture and density parameters meet specifications.
- D. If the tests indicate work does not meet the requirements of the Specifications, the Materials Testing Engineer will establish the extent of the nonconforming area. The nonconforming area shall be reworked by the CONTRACTOR at his own expense until acceptable test results are obtained.
- E. The CONTRACTOR shall be aware of all field control testing activities, as these may affect the construction schedule.

- F. The CONTRACTOR shall install survey control, as needed, to provide reference control points for field density testing and to verify lift thickness.

3.10 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 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 and 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 jute 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.

PART 4 SPECIAL PROVISIONS

4.01 FIELD TESTING (MINIMUM REQUIREMENTS)

- A. The laboratory shall perform the following field tests:
 - 1. Trench Backfill - One test for every 200 cubic yards of backfill material. Minimum of one test per lift is required.
 - 2. Subgrade Compaction - One test for every 300 square yards of subgrade.
 - 3. Embankment – One test for every 200 cubic yards of fill material and a minimum of one test per lift.

If directed by the Engineer or Materials Testing Engineer, additional tests shall be performed for any of the above.

END OF SECTION

**SECTION 02555
PRESSURE PIPE**

PART 1 GENERAL

1.01 SCOPE

- A. This Section includes furnishing and installing pressure pipe of the materials, class, size, and length as shown on the Drawings, specified, or directed.
- B. Pressure pipelines constructed under this Section shall include but not be limited to water mains and sewer force mains.
- C. This Section shall include furnishing and installing all required pipe, fittings, specials, adaptors, blind flanges, reducing flanges, closure pieces, tees, bends, joint restraints, granular pipe bedding material, Class B concrete used for encasement or bedding, removing and relaying existing pressure pipe as required, providing temporary services and temporary blocking or harnessing, making connections to new and existing pressure pipe, installing temporary bulkheads and plugs, testing pipe, cleaning and sterilizing water mains, and other work incidental to the pressure pipe installation, unless specifically included under other Items.

1.02 SUBMITTALS

- A. Submittals shall be in accordance with the requirements of Section 01300 and shall include:
 - 1. Shop Drawings for Review:
 - a. Manufacturer's Shop Drawing indicating physical dimensions, joint details, fittings, and special details for each size, type, and class of pipe furnished for the project. Shop Drawings shall also note salient features of a specific pipe, i.e., concrete strength and reinforcing details.
 - b. Samples, if requested by the Engineer.
 - 2. Information for the Record:
 - a. Manufacturer's certification indicating that the pipe and joints meet Specifications for each production run for each size, type, and class of pipe furnished. The Engineer may request test results to verify certification.

1.03 PRODUCT HANDLING

- A. Care shall be taken in handling and transporting to avoid damaging pipes and their coatings. Loading and unloading shall be accomplished with the pipe under control at all times and under no circumstances shall the pipe be dropped. Pipe shall be securely wedged and restrained during transportation and supported on blocks when stored in the shop or field.

PART 2 PRODUCTS

2.01 PRESSURE PIPE SPECIFICATIONS

- A. Ductile Iron Pressure Pipe:
 - 1. Ductile Iron Pressure Pipe (DIP) shall conform to ANSI A21.51 or AWWA C151 and shall be pressure class 350 psi for sizes 12-inch and below, and pressure class 300 psi for larger sizes unless otherwise specified herein. Mechanical joint fittings shall be ductile iron and conform to ANSI A21.10 or AWWA C110 and ANSI A21.53 or AWWA C153. Flanged fittings shall be ductile iron and conform to ANSI A21.15 or AWWA C115. All fittings shall have a pressure rating of 250 psi for all pipe sizes unless otherwise specified. Ductile iron pipe buried underground, unless otherwise specified or shown, shall have rubber gasket (slip-on) type joints in straight runs and mechanical joints with retainer glands each way from bends as shown on the Drawings. The gasket shall be a single molded rubber ring fitted into a specially shaped recess in the bell forming a pressure tight seal. The spigot end of each pipe shall be marked to indicate when the pipe is "home." Fittings shall have mechanical joints with retainer glands unless otherwise specified or shown. Retainer glands shall be ductile iron. The restraining mechanism shall impart multiple wedging action against the pipe. Restraining devices shall be of heat treated ductile iron. Twist-off nuts shall be used to ensure proper actuation of the restraining device. The mechanical joint retainer gland shall be Ebaa Iron, Inc., Series 1100 Megalug, or equal.
 - 2. Ductile iron pipe inside buildings or structures shall be joined with flanged, or mechanical joints as shown on the Drawings, or as indicated in the pipe schedule. All mechanical joints shall have retainer glands. Flanges shall comply with ANSI 21.15 or AWWA C115 and shall be ANSI 125-pound drilling, unless otherwise specified. Flanged joints shall have full face 1/8-inch rubber gaskets or of thickness and type approved by the Engineer. The pipe shall not be threaded or flanged in the field. Flanges shall be firmly bolted with machine, stud, or tap bolts of the proper size and number. Within buildings the bolts and nuts shall be of the best quality mild steel, with true threads, meeting the requirements of ANSI B16.1.

B. Polyvinyl Chloride Pipe:

1. Pressure pipes and fittings 3 inches or smaller in diameter shall be PVC material and shall consist of Class 12454-B rigid PVC compound in conformance with ASTM D1784. Pipe shall be ASTM D1785 Schedule 80 or ASTM D2241, SDR 21 with hydrostatic design stress of 2,000 psi. All joints for ASTM 1785 pipe, unless otherwise shown on the Drawings, shall be solvent welded in conformance with ASTM D2855. Joint solvent shall be as recommended by the pipe manufacturer. Joints for ASTM D2241 pipe shall be push-on gasketed. Joint restraint for ASTM D2241 pipe shall be provided where specified or shown on the Drawings and shall be United Series 1300 or 1350, or equal. The fittings for ASTM D1785 pipe shall be Schedule 80 and shall conform to ASTM D2467. Fittings for ASTM D2241 pipe shall be ductile cast iron and shall conform to ANSI 21.10/AWWA C110 with mechanical joint.
2. PVC pipe 4 inches to 12 inches in diameter shall meet the requirements of AWWA C900, and unless otherwise specified, shall be Class 235, and have a standard thermoplastic pipe dimension ratio (D.R.) of 18.0.
3. PVC pipe 14-inch diameter and larger shall meet the requirements of AWWA C905 and unless otherwise specified shall have a standard thermoplastic pipe dimension ratio (D.R.) of 21 or less. Pipe OD shall be compatible with ductile iron pipe.
4. All fittings and specials shall be as specified, herein, for ductile iron pipe.

2.02 PRESSURE PIPE JOINTS

A. Ductile Iron Pipe:

1. Pipe buried underground, unless otherwise specified, shall be jointed with rubber gasket (push-on) type joints and shall meet the requirements of AWWA C111 for push-on joints. The gasket shall be a single molded rubber ring fitted into a specially shaped recess in the bell forming a pressure tight seal. The spigot end of each pipe shall be marked to indicate when the pipe is "home." Fittings shall have mechanical joints with retainer glands unless otherwise specified or shown. Retainer glands shall be ductile iron. The restraining mechanism shall impart multiple wedging actions against the pipe. Restraining devices shall be of heat treated ductile iron. Twist-off nuts shall be used to ensure proper actuation of the restraining device. The mechanical joint retainer gland shall be Ebaw Iron, Inc., Series 1100 Megalug, or equal.
2. Pipe inside buildings or structures shall be joined with flanges unless otherwise specified. Flanges shall be ANSI 125 pounds drilling, unless otherwise specified. Flanged joints shall be made up with full face 1/8-inch rubber gaskets, or of thickness and type to be approved by the Engineer. Flanges shall not be installed on the pipe in the field. Flanges shall be firmly bolted with machine,

stud, or tap bolts of the proper size and number. Flange bolts shall meet the requirements of ANSI B16.1.

3. Mechanical joints, wherever specified or shown, shall conform to ANSI A21.11 (AWWA C111), except as specified herein.
4. Mechanical couplings, if required or permitted, shall be Dresser Style 38, or equal.
5. Victaulic or equal joints, if required or permitted, shall be of the shouldered type, unless otherwise specified. If a grooved joint is permitted, a thicker pipe shall be used.
6. Restrained joints, wherever shown or required, shall be mechanical joint with retainer glands, US Pipe TR Flex Joint System, US Pipe Field LOK Gasket System, or equal.
7. Flange adapters for plain end pipe (not fittings), where specified, shown on Drawings, or approved by Engineer shall be a restrained flange adapter. The restraining mechanism shall be multiple gripping wedges set against the pipe wall. Twist off nuts shall be used to ensure proper actuation of the restraining device. The restrained flange adapter shall be Series 2100 Megaflange by Ebaa Iron, Inc., or equal.

B. Polyvinyl Chloride Pipe:

1. Pipe shall have integral bell push-on type joints meeting the requirements of ASTM D3139. Gaskets shall be rubber ring type meeting the requirements of ASTM F477 (AWWA C900).
2. Fittings shall have mechanical joints meeting all requirements of ANSI A21.11 (AWWA C111).
3. Restrained Joints, where required or shown, shall meet the requirements of the UNI-Bell Plastic Pipe Association Performance Standard UNI-B-13, similar to EBAA Iron Sales, Inc., Series 2000 PV for mechanical joints and Series 1500 for push-on joints.

2.03 ACCESSORIES

A. Nuts and bolts for buried pipe shall be as follows:

1. Nuts and bolts used in wall castings shall be of stainless steel Type 316.
2. Nuts and bolts encased in grout on concrete pressure pipe shall conform to recommendations of the pipe manufacturer.
3. Nuts and bolts used on buried pressure pipe and fittings in contact with earth shall be Cor-Blue coated low alloy steel and have a minimum yield strength of 45,000 psi complying with ANSI A21.11 and AWWA C111.

4. All other nuts and bolts shall be low carbon steel in conformance with the chemical and mechanical requirements of ASTM A307, Grade B. Higher strength bolts will be acceptable.

2.04 COATINGS AND LININGS OF PRESSURE PIPE

- A. Ductile Iron Pipe:
 1. Interior Linings/Cement Lining - Unless otherwise specified, pipe interiors shall be covered with a standard thickness cement lining meeting ANSI A21.4 and AWWA C104. A seal coat of petroleum asphaltic material shall be applied in conformance with the above Specifications. Pipe used for compressed air shall not receive a concrete lining.
 2. Exterior Coating:
 - a. All cast pipe buried underground shall be coated on the outside with a standard petroleum asphaltic coating, 1 mil thick, meeting AWWA C110, unless otherwise specified. The finished coating shall be continuous, smooth, neither brittle when cold nor sticky when exposed to the sun, and shall be strongly adherent to the pipe. The coating materials, after drying 48 hours, shall impart no objectionable color, odor, or taste to water standing in contact with the coating for a minimum of 48 hours.
 - b. Where approved, the petroleum asphaltic material specified for interior lining may be used for exterior coating of pipe buried underground.
 - c. Painting - All cast pipe used within buildings and structures and which are to receive field coats of paint shall not be coated with any black bituminous paint. Such pipe, after proper cleaning, shall be painted with one coat of primer paint that will be compatible with the field coats. Painting specifications shall be followed for cleaning and painting.
- B. Polyvinyl Chloride Pipe shall require no special interior or exterior lining or coating less otherwise specified.

2.05 RESERVED

2.06 SOURCES QUALITY CONTROL

- A. Pipe Manufacturer's Certification:
 1. The pipe manufacturer's certificate shall state that the materials have been sampled and tested in accordance with the provision for and meet the requirements of the designated specification and shall be signed by an authorized agent of the seller or the manufacturer.
 2. A test results report shall accompany the manufacturer's certificate, if requested by the Engineer. The report shall compare test results to Specification

requirements. Test specimens shall be selected in conformance with the designated specification for each production run of each size, type, and class of pipe furnished and further, that in case tests are unsatisfactory, additional tests shall be made to the maximum number in the referenced ASTM Specification.

2.07 UNDERDRAIN AND TOE DRAIN PIPE AND JOINTS (Issued by Addendum, August 14, 2026)

- A. Perforated Polyvinyl Chloride Pipe (PPVC):
 - 1. Perforated polyvinyl chloride pipe shall be manufactured from polyvinyl chloride compounds conforming to ASTM D1784, Class 12454-B. **(Issued by Addendum, August 14, 2026)** Pipe and fittings shall conform to the requirements of ASTM F949, shall have a smooth interior and a corrugated profile. Pipe shall be manufactured to 46 psi stiffness when tested in accordance with ASTM D2412.
 - 2. Joints shall be bell and spigot gasketed connections. Gaskets shall meet the requirements of ASTM F477.
 - 3. Perforation dimensions shall conform to ASTM F949 Table 5.
 - 4. Pipe shall be Contech A2000 or equal.

PART 3 EXECUTION

3.01 RESERVED

3.02 PREPARATION OF TRENCH

- A. Trench excavation shall conform to requirements of Section 02200.
- B. All trenches passing through the embankment must have the side slopes laid back at a minimum of one horizontal to one vertical.
- C. Unless otherwise directed or called for on the Drawings, all sewer trenches shall be excavated below the proposed pipe invert as required to accommodate the depths of pipe bedding material as scheduled on the Drawings.

3.03 PIPE INSTALLATION

- A. All pipe fittings and specials shall be laid in accordance with the manufacturer's instructions, with AWWA C600, and as supplemented herein.
- B. Precautions shall be taken during construction to protect the pipe interiors, fittings, and valves against contamination. Pipe interiors shall be thoroughly cleaned of dirt and foreign matter before laying, by brushing, swabbing or other method approved by the Engineer, and means shall be provided to prevent entry of dirt during the progress of installation. Groundwater shall be kept out of the pipe at all times.

- C. Bedding and Backfilling:
 - 1. Bedding and backfilling shall be in conformance with Section 02200.
 - 2. At joints, enough depth and width shall be provided to permit working entirely around the pipe as needed to make the joints in the proper manner.
- D. Handling and Cutting:
 - 1. Suitable tools and appliances for cutting, handling, and laying of the pipes and special castings shall be used and care shall be taken to prevent damage to pipe coatings.
 - 2. Where new or existing pipe requires cutting in the field it shall be done in a manner to leave a smooth end at right angles to the pipe centerline. The finished cut must be approved by the Engineer.
- E. Pipe Laying:
 - 1. Pipe and appurtenances shall be installed true to line, grade, and location; with joints centered, spigots home; pipe properly supported and restrained against movement; and all valve stems plumb.
 - 2. All elbows, tees, plugs, etc., shall be properly anchored, blocked, or otherwise restrained to prevent movement of the pipe in the joints due to internal or external pressure.
 - 3. The open ends of all pipes and special castings shall be plugged or otherwise closed with a watertight plug to the approval of the Engineer before leaving the Work for the night, and at other times of interruption of the Work. All pipe ends which are to be permanently closed shall be plugged or capped and restrained against internal pressure.
- F. Pipe Jointing:
 - 1. Gaskets - Just prior to joining the pipes, the surfaces of the joint rings shall be wiped clean, and the joint rings and rubber gaskets shall be liberally lubricated with an approved type of vegetable oil soap. The spigot end, with the gasket placed in the groove, shall be entered into the bell of the pipe already laid, making sure that both pipes are properly aligned. Before the joint is fully "home," the position of the gasket in the joint shall be determined by means of a suitable feeler gauge supplied by the pipe manufacturer. If the gasket is found not to be in proper position, the pipes shall be separated and the damaged gasket replaced. The pipe is then forced "home" firmly and fully. In its final position, the joint between the pipes shall not be deflected more than 1/2 inch at any point.
- G. Anchoring Pipe:
 - 1. Disjointing hydrostatic pressure at bends, plugs, tees, and wyes shall be counteracted by thrust blocks, restrained joints, or reinforced concrete anchorage as directed on the Drawings or specified.

2. Thrust blocks shall be installed only where directed or specifically called for on the Drawings, unless otherwise specified. Installation shall be in conformance with Drawings.
 3. Approved joint restraints shall be installed in locations shown or scheduled on the Drawings.
 4. Reinforced concrete joint anchorage shall be installed in conformance with the Drawings.
- H. Supports - Where shown on the Drawings, or ordered, pipelines shall be supported in an approved manner by concrete piers, hangers, or inserts. The method selected, and the types and design of hangers and inserts shall be subject to the Engineer's approval.

3.04 PIPE PROTECTION

- A. Detectable marking tape shall be installed in the trench of each non-metallic pipe. The tape shall be installed directly above the force main at the depth recommended by the manufacturer. The tape shall extend the full length of the force main and shall be imprinted with a continuous warning message repeated at least every 36 inches. The warning message shall state that a sewer line is buried below. The tape shall consist of one layer of aluminum foil laminated between two layers of inert plastic film. The lamination bond shall be strong enough that the layers cannot be separated by hand. The tape shall be inductively located and conductively traceable using a standard pipe and cable locating device.
- B. Utility markers and locator stations shall be installed with 42 inches to 48 inches above ground.

3.05 FIELD INSPECTION

- A. All pipe sections, specials, and jointing materials shall be carefully examined for defects and no piece shall be laid that is known to be defective. Any defective piece discovered installed shall be removed and replaced with a sound one in a manner satisfactory to the Engineer at the Contractor's expense.
- B. Defective material shall be marked with lumber crayon and removed from the job site before the end of the following day.

3.06 PRESSURE AND LEAKAGE TESTS

- A. The Contractor shall furnish the pump, pipe connections, taps, gauges, auxiliary water container, bulkheads, plugs, and other necessary equipment and make pressure and leakage tests of all lines unless otherwise directed by the Engineer.
- B. Tests shall be conducted on all pipelines or valved sections thereof as directed by the Engineer. Testing of pipelines laid in embankments or bedded in concrete shall be done prior to backfilling or placing concrete cover unless otherwise permitted by the

Engineer. Tests on lines anchored or blocked by concrete shall not be conducted until the concrete has taken permanent set. A maximum of 1,000 feet of pipe may be included in a test section. All valves shall be tested for leakage.

- C. The line or section thereof to be tested shall be filled slowly with water to expel all air. Hydrostatic pressure shall be applied by pumping water from an auxiliary supply. The test pressure shall be maintained two hours minimum and additional time as required for thorough inspection to find any leaks or defects in the force main and appurtenances. The test pressure shall be 50 pounds per square-inch or 50% above the normal operating pressure, whichever is greater. Should the pipe section fail to pass the tests, the Contractor shall find and correct failures and repeat the tests until satisfactory results are obtained.
- D. Leakage tests shall be made simultaneously with or following completion of pressure tests of all lines or valved sections thereof. Leakage is defined as the quantity of water added to the pipe under test to maintain the required test pressure for a specified time.
- E. Pressure testing shall be performed in accordance with AWWA C600 and C605.

PART 4 SPECIAL PROVISIONS

4.01 PIPING SCHEDULE

- A. The following letter designations are used in the Piping Schedule:

Material Designation:

DIP	-	Ductile Iron Pipe
PVC	-	Polyvinyl Chloride
PPVC	-	Perforated Polyvinyl Chloride
CPP	-	Concrete Pressure Pipe

- B. Schedule:

Service	Size	Pressure Class Thickness Class	Material	Remarks
Drainpipe	24"	53	DIP	
Drain	6"	Sch 80	PVC	
Drain	6"		PPVC	

- C. Schedules are not guaranteed to be complete. All piping shown on the Drawings or specified shall be furnished and installed by the Contractor whether or not listed in the above schedule.

4.02 PERMANENT AND TEMPORARY BLOWOFFS/TAPS

- A. The Contractor shall provide all blowoffs and taps as necessary to properly exhaust air from test sectioned, flush and disinfect the new pressure pipe system.

4.03 PRESSURE PIPE ELEVATIONS

- A. Elevations shown on the plans shall be checked as specified in this Section.
- B. Any deviation in the pipe elevations shall be brought to the Engineer's attention to permit the Engineer to evaluate the impact upon air release mechanism placements.

END OF SECTION

SECTION 03300
CAST-IN-PLACE CONCRETE

PART 1 GENERAL

1.01 SCOPE

- A. This Section includes furnishing, placing, finishing, and curing cast-in-place concrete. Miscellaneous materials required for concrete construction are included.
- B. Anchor bolts and other cast-in items are furnished under other Sections.
- C. The Contractor, before commencing Work, shall examine all adjoining Work on which this Work is dependent for proper installation and workmanship according to the intent of this specification, and shall report to the Engineer any condition which prevents this Contractor from performing first class work.
- D. Laboratory services for quality control shall be furnished in accordance with requirements of Section 01410.
 - 1. Per Ohio Administrative Code (OAC) Rule 1501:21-3-02(D) states engineering and construction inspection and testing services for all dam construction shall be performed by an independent company that is not affiliated with, or hired by, the construction contractor. This work will be performed under Allowance A by the Materials Testing Engineer.
- E. 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. Concrete mix designs including substantiating data and test records. Concrete Mix Design, Proportioning.
 - b. Product literature for admixtures, curing compounds, and miscellaneous materials.
 - c. Material certifications.
 - d. Aggregate gradation and percentages of deleterious substances.
 - e. Batch plant certification.
 - 2. Information for the Record:
 - a. Manufacturer's application instructions for miscellaneous materials.
 - b. Quality control test reports.

- B. Copy of concrete delivery ticket shall be presented to Resident Project Representative for each batch. Delivery ticket shall indicate:
1. Name of ready-mixed company and plant designation.
 2. Truck number.
 3. Concrete class.
 4. Quantity of concrete.
 5. Date.
 6. Time when batch was loaded.
 7. Type and name of admixtures.
 8. Actual batch weights of cement, fly ash, aggregates, and water.
 9. Location of pour and time of unloading shall be added to the ticket at Site.

1.03 QUALITY ASSURANCE

- A. Batch Plant:
1. Batch plant shall be central batch plant with automatic or semi-automatic control. Concrete may be mixed using either central-mixed, shrink-mixed, or truck-mixed methods. If concrete is shrink-mixed or truck-mixed, the truck and concrete shall conform to ASTM C94.
 2. Batch plant shall be certified by the Department of Transportation, National Ready Mixed Concrete Association (NRMCA) or an independent certification using NRMCA "Check list for Certification of Ready Mixed Concrete Production Facilities" executed and certified by independent Professional Engineer registered in state of Site. Evidence of current certification shall be submitted.
- B. Pre-installation Conferences:
1. Before beginning concrete work, Contractor shall hold a meeting to review detailed requirements for preparing concrete mix designs and to determine proper procedures for concrete construction. A representative of Contractor, testing laboratory, concrete producer, concrete pumping contractor, and Engineer shall be in attendance.
 2. Contractor shall submit for Engineer review a plan showing the locations of all proposed construction and control joints, which are not shown on the construction Drawings, and a schedule that incorporates the alternating pour sequences required to allow for strength gain and control of volumetric shrinkage changes.

- C. Concrete work shall be in accordance with the current edition of the following codes, standards and specifications:
 - 1. American Concrete Institute (ACI).
 - 2. "Manual of Standard Practice", Concrete Reinforcing Steel Institute (CRSI).

1.04 DELIVERY AND HANDLING

- A. Concrete shall be delivered in accordance with ASTM C94 except the time limit for discharging concrete during hot weather shall be reduced as specified.
- B. Concrete shall be delivered in agitating trucks or in mixing trucks operating at agitating speed.

1.05 ENVIRONMENTAL CONDITIONS

- A. Unless adequate protection is provided, concrete shall not be placed during rain, sleet, or snow, or when inclement weather is imminent.
- B. Cold Weather:
 - 1. Cold weather concreting procedures per "Cold Weather Concreting," ACI 306R, shall be followed whenever any one of the following conditions occur or are expected to occur:
 - a. The air temperature is below 40 degrees F at the time of concrete placement.
 - b. The average daily air temperature is below 40 degrees F for three consecutive days immediately prior to the day of concrete placement.
 - c. An average daily air temperature below 40 degrees F is foreseen or occurs during any day of the specified concrete curing period.
 - 2. For purposes of the paragraphs above, the average daily temperature is defined as the arithmetic mean of the highest and lowest temperature during the period from midnight to midnight. All air temperatures are to be measured at the Site.
- C. Hot Weather:
 - 1. Hot weather concreting procedures per "Hot Weather Concreting," ACI 305R, shall be followed whenever any one of the following conditions occur or are expected to occur:
 - a. The air temperature is above 90 degrees F at the time of concrete placement.
 - b. Whenever conditions of concrete temperature, air temperature, wind velocity, and relative humidity, combine to cause flash set, excessively low slump, cold joints, plastic shrinkage cracking, or otherwise impair the quality of concrete.

2. When the evaporation rate of bleed water exceeds 0.1 pounds per square foot per hour, steps shall be taken to prevent plastic shrinkage cracking. Evaporation rate shall be determined by the method presented in "Hot Weather Concreting," ACI 305R.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Cement - ASTM C150 Type I, 1L or II, unless indicated otherwise. All cement shall be from the same mill. Cement shall contain less than 8% tricalcium-aluminate (C3A).
- B. Coarse Aggregate - Aggregates for normal weight concrete shall be crushed limestone conforming to ASTM C33, Class 4S. Aggregates shall satisfy all quality requirements specified therein (i.e. grading, limits on deleterious substances, etc.).
- C. Fine Aggregate - ASTM C33.
- D. Fly Ash - ASTM C618, Class C or Class F, including supplementary chemical requirements and supplementary physical requirements, except loss-on-ignition shall be less than 5%. The use of fly ash shall be in accordance with "Use of Fly Ash in Cement (ACI-232.2R)".
- E. Silica Fume - ASTM C1240.
- F. Ground Granulated Blast Furnace (GGBF) slag shall be in accordance with ASTM C989 Grade 100 or 120. Slag for Class A-1 concrete shall contain less than 8% tricalcium-aluminate (C3A).
- G. Admixtures - The use of all admixtures shall be in accordance with "Chemical Admixtures for Concrete (ACI 212.3R)", and "Guide for the Use of High Range Water Reducing Admixtures in Concrete (ACI 212.4R)".
 1. Air entraining - ASTM C260.
 2. Water-reducing - ASTM C494.
 3. Accelerator - ASTM C494, Type C or E, admixture shall be non-corrosive as verified by long-term accelerated corrosion testing by an independent laboratory.
 4. Anti-washout admixture - Master Builders "Rheomac UW450", or equal.
 5. Only those admixtures expressly stated by the manufacturer as being chloride-free shall be used.
 6. The maximum water-soluble chloride ion content, expressed as a percentage by weight of the cement, contributed from all concrete ingredients shall not exceed 0.10% for non-prestressed concrete structures. Written certification of chloride ion content shall be submitted. Testing for Chloride Ion content shall conform to ASTM C1218.

- 7. If more than one admixture is used, the admixtures shall be compatible with each other and shall be incorporated into the concrete mix in correct sequence and timing so that desired effects of all admixtures are realized and harmful effects are avoided.
- 8. Air-entraining and chemical admixtures shall be incorporated into the concrete mix in a water solution. The water included shall be considered to be a portion of the allowed mixing water.
- H. Water shall conform to ASTM C94. Mixing water, including that contributed by aggregates and admixtures, shall be clean, and free from injurious amounts of oils, acids, alkalis, organic materials, chloride ions, or other substances that are deleterious to concrete or reinforcement. Non-potable water shall not be used.

2.02 ACCESSORIES

- A. Curing Compound - Compound shall be membrane-forming, liquid applied, non-yellowing, VOC-compliant, water-based acrylic polymer resin conforming to ASTM C309, Type 1 and ASTM C1315, Type 1, Class A. The compound shall include sealing and dustproofing properties. Minimum solids content shall be 25%. Compound shall not permit a moisture loss in excess of 0.40 kilograms per square meter (0.082 pounds per square feet) in 72 hours. Sodium silicate-based products are not acceptable. Compound shall be Dayton Superior "Cure & Seal 1315 J22WB", SpecChem, LLC. "Cure & Seal WB 25", L&M Construction Chemicals, Inc. "Lumiseal WB Plus" or equal. Curing compound in potable water treatment plant construction shall be non-toxic and free of taste and odor.
- B. Bonding Adhesive for Cracks, etc. - ASTM C881 100% solids, 100% reactive two component epoxy bonding adhesives. Sika Corporation, "Sikadur 32, Hi-Mod", Dayton Superior "Sure Bond (J-58)", The Euclid Co. "Dural 452 Gel", Master Builders "MasterEmaco ADH326", or equal.
- C. Bonding Adhesive for Vertical Joints - Non-vapor barrier forming, solvent-free, moisture insensitive, epoxy modified cementitious product Sika Corporation "Sika Armatec 110 Epocem", Euclid Co. "Duralprep A.C." or equal.
- D. Bonding Grout - Identical concrete mix as approved for each concrete Class, except that an identical quantity of the fine aggregate shall be substituted for all coarse aggregate.
- E. Liquid Floor Hardener – A VOC compliant, Non-yellowing, dust proofing, liquid applied hardener with non-slip properties that dries to a clear finish. L&M Construction Chemicals "Seal Hard", W.R. Meadows "Liqui-Hard", ChemMasters "Chemisil Plus", or equal. Apply after concrete has cured, as recommended by the manufacturer.
- F. Bond Breaker - Bond breaker shall be non-staining type which will provide a positive bond prevention, such as SpecChem "SpecTilt 100", Nox-crete "Silcoseal Classic"; or equal.

- G. Premolded Expansion Joint Fillers:
 - 1. Exterior Walks and Pavements - Asphalt impregnated cellular fibers securely bonded together, in conformance with ASTM D1751. W. R. Meadows "Fibre Expansion Joint", J D Russell Company "Fiberflex", or equal.
 - 2. Other Locations - Self expanding cork type in conformance with ASTM D1752, Type III. W.R. Meadows, Inc. "Sealtight - Self-Expanding Cork Joint Filler", Masco "Self-Expanding Cork", or equal.
- H. Isolation Joints - Flexible foam expansion joint filler, W.R. Meadows "Sealtight - Ceramar", or equal.
- I. Compressible Material - Rigid extruded polystyrene from Board Foamular 150 (15psi) by Owens Corning Company or compressible fill material by Plasti-Fab or equal. Provide foam board, unless noted otherwise.
- J. Epoxy Joint Filler - Two component, 100% solids, flexible epoxy filler with minimum Shore D hardness of 50. The Euclid Chemical Company "Euco 700", Sika Corporation "Sikadur 51 SL", W.R. Meadows, Inc "Rezi-Weld Flex", or equal. Only to be used to fill interior non-moving saw cut or tooled construction or control joints and shrinkage cracks. Not suitable for constant immersion.

2.03 CONCRETE MIXES

- A. Contractor shall design and be responsible for the performance of all concrete mixes. Mixes shall have the required quality, consistency, and workability to permit concrete to be readily worked into forms and around reinforcement without segregation or excessive bleeding. Hardened concrete shall develop all characteristics required by Contract Documents
- B. Proportioning:
 - 1. Concrete mixes shall be proportioned to maximize durability and water tightness. To this end the total water content shall be reduced to the lowest practical amount that is consistent with placing and consolidation methods. Water reducing and high range water reducing admixtures shall be used as required to maintain workability. Specified water/cementitious ratio shall not be exceeded.
 - 2. Concrete proportions shall comply with ACI 211.1, ACI 301, ACI 318 and for the environmental components of the Work ACI 350.
 - a. Proposed mix designs proportioned by field test data or trial mixes shall be accompanied by a complete standard deviation analysis and calculations for the required average compression strength F'_{cr} . Test records used for determining standard deviation and average strength shall have been made within the past 12 months. These test records must represent materials, quality control procedures and conditions similar to those expected, and changes in materials and proportions

within the test records shall not have been more restricted than those for the proposed Work.

- b. Proportioning by empirical methods on basis of water/cement ratio is not permitted.
- c. Concrete mix proportions are subject to Engineer's approval.

C. Design mixes shall have following requirements:

- 1. Three normal weight concrete mixes are generally required; Class A-1 and Class B. Concrete mixes shall be as follows:

	Class A-1	Class B
28-Day Compressive Strength f'_c (psi)	4500	2500
Maximum Water/Cementitious Ratio:	0.42	.66
Minimum Cementitious Content (Lbs/CY)	600	480
Maximum Cementitious Content (Lbs/CY)	800	650
Slump (Inches)	See below	See below

For calculating water/cementitious ratio of the mix, the weight of the water shall be that of the total free water in the mix, which includes the mixing water, the water in any admixture solutions, and any water in the aggregates in excess of that needed to reach a saturated surface dry condition.

- 2. Concrete placed under water shall contain an approved anti-washout admixture and shall contain a minimum of 600 pounds of cement per cubic yard. Fly ash or GGBF slag shall not be used in the concrete mix.

D. Slump:

- 1. When superplasticizer is not included in the mix, slump shall be 2-4 inches.
- 2. When superplasticizer is included in the mix, the maximum slump measured upon delivery to the construction site shall be 3 inches. Superplasticizer shall be added at the Site after verification of slump to increase slump to the desired amount.
- 3. Tolerance of 1 inch above the maximum specified slump will be permitted for one batch in any five consecutive batches.
- 4. Concrete of lower slump than specified may be used provided it is properly placed and consolidated. Field adjustment of slump by addition of water is not permitted.

E. Air Content:

- 1. All concrete shall be air-entrained unless specified or noted otherwise on the Drawings.

2. Concrete to be air-entrained shall have an air content as schedule below, unless specified otherwise:

Nominal maximum size of coarse aggregate (inch)	ASTM C33 Aggregate Size number	Total air content percent by volume
3/8	8	7.5
1/2	7	7.0
3/4	67	6.0
1	57	6.0
1-1/2	467	5.5

3. Allowable deviation from specified air content is plus or minus 1%.
4. Air entrainment is not required for Class B concrete.

F. Coarse Aggregate Size:

- Nominal maximum size of aggregate shall not be more than one-fifth of narrowest dimension between side forms, one-third of depth of slabs, nor three-fourths of minimum clear spacing between reinforcing bars.
- Coarse aggregate shall be largest size consistent with placing methods and specified constraints. Minimum coarse aggregate shall be Size Number 57, unless smaller size is required by dimensional or reinforcement spacing constraints.

G. Cementitious Material:

- The cementitious mixture shall contain cement and either fly ash or GGBF slag, or both. The total pozzolans shall not exceed 50% of the total cementitious material by weight.
- When fly ash is used in the concrete mixture, it shall comprise between 15% to 25% of the total cementitious mixture. When slag is used in the concrete mixture, it shall comprise between 25% to 50% of the total cementitious mixture. The percentages are based on weight of the total cementitious mixture.
- Class A-1 concrete shall be tested per ASTM C157 "Standard Test Method for Length Change of Hardened Hydraulic-Cement Mortar and Concrete" to have 0.04% or less shrinkage in 28-days.
- Air content for concrete containing fly ash shall be closely monitored and the dosage of air-entraining admixture shall be modified as required. The test results shall be submitted with each proposed concrete mix design.

2.04 CONCRETE PRODUCTION

- A. Ready-mixed concrete is to be used unless otherwise specified. It shall be batched, mixed, and transported in accordance with ASTM C94.

- B. Admixtures other than air-entraining admixtures shall not be added without Engineer's written approval.
- C. Admixtures shall be charged into mixer as solutions and shall be measured by means of acceptable dispensing device. If two or more admixtures are used, they shall be added separately. Admixtures shall be used in accordance with manufacturer's instructions.
- D. During cold or hot weather conditions, special precautions, as specified in ACI 306R or ACI 305R, respectively, shall be taken during batching, mixing, and curing.

2.05 STORAGE OF MATERIALS

- A. Cement shall be stored in weather tight containers.
- B. Aggregate stockpiles shall be arranged to avoid excessive segregation and to prevent contamination with other materials or with other sizes of like aggregates. Frozen or partially frozen aggregates shall not be used.
- C. Sand stockpiles shall be allowed to drain to ensure a relatively uniform moisture content throughout the stockpile.
- D. Admixtures shall be stored in a manner to prevent contamination, evaporation, freezing, or damage. Admixtures in the form of suspensions or nonstable solutions shall be agitated to ensure thorough distribution of ingredients. Liquid admixtures shall be protected from freezing and from temperature changes which would adversely affect their characteristics.

PART 3 EXECUTION

3.01 COORDINATION

- A. Reinforcement, sleeves, inserts, anchors, and embedded items shall be accurately placed, supported, and tied prior to concrete placement. Other trades and contractors required to furnish embedded items shall be given ample notice of concrete placement. Reinforcement and embedded items shall be subject to review of Resident Project Representative prior to placing concrete.
- B. Contractor shall notify Resident Project Representative a minimum of 24 hours before placing concrete, excluding non-working days.
- C. Concrete shall be placed only between hours of 8:00 a.m. and 6:00 p.m. unless otherwise permitted. Concrete shall not be placed after 12:00 noon on last working day of week.

3.02 PREPARATION

- A. Hardened concrete and foreign materials shall be removed from inner surfaces of conveying equipment.

- B. Waterstop shall be secured in place to ensure that it cannot bend to form cavities during concreting.
- C. Formwork shall be completed and snow, ice, and water shall be removed from forms. Before placing reinforcing steel or concrete, the surfaces of the forms shall be covered with an acceptable coating material, or form liner may be used.
- D. The space to receive concrete shall be free of laitance, dirt, and other debris. Laitance shall be removed by wire brushing.
- E. Reinforcement and embedded items shall be checked for proper placement and adequate support. All reinforcement at the time concrete is placed, shall be free of mud, oil, or other materials that may adversely affect or reduce the bond. Aluminum conduits or pipes shall not be embedded in concrete unless approved by the Engineer and effectively coated to prevent aluminum-concrete reaction.
- F. Preparation of grade shall be as specified for slabs. Concrete shall not be placed on frozen ground. There shall be no standing water on the subgrade, nor any muddy or soft spots when the concrete is placed.
- G. A final detailed inspection of the foundation, construction joints, forms, waterstops, embedments, reinforcements, and other items of the placement shall be made immediately before the concrete is placed.

3.03 PLACING CONCRETE

- A. Conveying:
 - 1. Concrete shall be handled from mixer to place of final deposit as rapidly as practicable by methods which will prevent segregation or loss of ingredients and in a manner which will ensure that required quality of concrete is maintained. Conveying systems shall not impair the strength, slump, or air content of the concrete. Concrete shall be placed and consolidated prior to initial set, and in no case more than 1-1/2 hours after the cement is added to the mix.
 - 2. Chutes shall be metal (except aluminum), or wood with metal lining and shall have a slope not exceeding 1 vertical to 2 horizontal and not less than 1 vertical to 3 horizontal. Chutes more than 20-feet long and chutes not meeting slope requirements may be used provided they discharge into a hopper before distribution.
 - 3. Pumping or pneumatic conveying equipment shall be of suitable kind with adequate pumping capacity. Pneumatic placement shall be controlled to prevent segregation. Loss of slump in pumping or pneumatic conveying equipment shall not exceed 1-1/2 inch.
 - 4. Concrete shall not be permitted to drop more than 4 feet freely, or through a cage of reinforcing steel, from conveying device. Concrete shall be deposited through drop chutes, elephant-trunks, or tremies as required. Temporary openings in wall or column forms may be used to limit the free fall of concrete

to less than four feet. The openings should be spaced no more than six to eight feet apart.

5. Concrete shall not be conveyed through pipes made of aluminum or aluminum alloy.

B. Depositing:

1. Concrete shall be deposited continuously or in layers of such thickness that no concrete will be deposited which has hardened sufficiently to cause planes of weakness within the sections. No interruption in concrete placement shall exceed 30 minutes to avoid cold joints in the structural elements being placed. Concrete shall not be placed that cannot be consolidated with previously placed concrete. Follow the concrete placement recommendation of the ACI field manual 301. If a cold joint occurs the Engineer shall be notified for a remedy. **(Issued by Addendum, August 14, 2026)** Alternate placing equipment shall be immediately available for use in the event that the primary placing equipment or system breaks down.
2. Placing shall proceed at such a rate that concrete which is being integrated with fresh concrete is still plastic.
3. Concrete which has partially hardened or has been contaminated shall not be deposited.
4. Placing of concrete for supported elements, such as beams and elevated slabs, shall not begin until supporting elements, such as columns and walls, have cured for a minimum of 7 days, unless the concrete has attained 80% of the specified design compression strength or the shoring for the supporting elements has been designed to carry the weight of the supported elements and their construction load.
5. Concrete shall be placed continuously between construction, isolation, and expansion joints. Where joints are spaced greater than 25 feet apart the placing of concrete adjacent to previously placed concrete shall not begin until 48 hours after completion of previous placement, unless otherwise noted. Concrete shall be deposited as nearly as practical in its final position and shall be carried up evenly in forms to avoid segregation due to rehandling or flowing. Layers shall not exceed 24 inches. Concrete shall not be permitted to flow laterally in forms.
6. The temperature of the concrete mixture immediately before placement shall be between 50 degrees F and 90 degrees F, except as provided under cold weather and hot weather concreting.

C. Consolidating:

1. Concrete shall be consolidated by vibrating, so that concrete is thoroughly worked around reinforcement and embedded items, and into corners and angles of forms, eliminating air and stone pockets. Vibrators shall extend into underlying layers to bond two layers together. To avoid excessive pressure on

the forms, the vibrator should penetrate no more than two feet into the underlying layer.

2. Vibrators shall be the largest size and most powerful that can be used properly in the Work, as described in "Recommended Practice for Consolidation of Concrete" (ACI 309R). A minimum of one spare operable vibrator shall be available on site. Mechanical high frequency vibrators with a minimum frequency of 8,000 revolutions per minute are preferred for consolidation of concrete within the forms.
3. Vibrators shall not be used to transport or drag concrete within forms. Vibrators shall be inserted and withdrawn from the concrete slowly.
4. Vibrators shall be inserted in the fresh concrete at points approximately 18 inches apart or as recommended by the vibrator manufacturer. The vibration shall be of sufficient duration and intensity to thoroughly consolidate the concrete but shall not be continued so as to cause segregation. Vibration shall not be continued at any one point to the extent that localized areas of grout are formed.

D. Under Water Concreting:

1. Concrete shall not be placed under water unless otherwise indicated or permitted. The recommendations given for concrete placed under water in Chapter 8 of ACI 304 shall be followed subject to the requirements specified herein.
2. Concrete shall be deposited by tremie or other acceptable method such that fresh concrete enters mass of previously placed concrete from within, causing water to be displaced with minimum disturbance at the surface of the concrete.
3. Concrete shall not be disturbed after placement.

E. Defective Concrete:

1. Defective concrete is defined as concrete in place which does not conform to specified design strength, required percent air, shapes, alignments and elevations, as shown on the Drawings and/or which presents faulty surface areas. Evaluation and acceptance of concrete shall conform to ACI 318 and as determined by Engineer.
2. All defective concrete shall be removed and replaced in a manner meeting with the Engineer's approval. Should surface imperfections occur, they may be patched at the discretion of, and in a manner satisfactory to the Engineer. The Engineer reserves the right to require complete removal and replacement of such defective Work should the patching fail to satisfactorily restore the required quality and appearance of the Work. All such Work shall be performed at the Contractor's expense, without extension of time.

3. If for any reason, in the opinion of the Engineer, the testing of any section of the completed structure is necessary, a superimposed load shall be applied by the Contractor and the test conducted in accordance with the current Building Code at the Contractor's expense irrespective of the results of such tests. In cases where failure is declared, the Engineer shall have the authority to order the defective construction removed. All expense of removing such defective construction and substituting new construction, including expense of removing and replacing the Work of others, or protecting and repairing the Work of others, shall be borne by this Contractor.

3.04 JOINT INSTALLATION

A. Construction Joints:

1. Construction joints shall not be spaced further apart than 60 feet, unless noted otherwise. Where construction joint spacing exceeds 25 feet concrete placement shall be alternated so that adjacent sections are placed a minimum of 48 hours apart to allow for volumetric change of adjacent pours due to shrinkage and to help minimize cracks. Joints shall be located where they will least impair the strength, watertightness, and architectural design of the finished structure. Joint types and locations shall be subject to Engineer's approval. Construction joints shall not be located less than 5 feet from any other joint to which they are parallel.
2. Joints shall be constructed straight by means of a temporary straight edge or rustication strip placed in forms. Joints shall be perpendicular to reinforcement.
3. Reinforcement shall be continuous across construction joints unless otherwise indicated. Unless otherwise specified or shown on Drawings, longitudinal keys at least 1-1/2 inches deep by 3-1/2 inches wide shall be provided in all joints in walls, and between walls and slabs or footings.
4. Surface of concrete shall be thoroughly cleaned, and laitance shall be removed by wire brushing prior to placing adjoining concrete.
5. At all vertical joints in new concrete and in new against previously existing concrete, and wherever else called for on the Drawings, bonding adhesive paste shall be applied per the manufacturer's directions.
6. At all horizontal joints in new concrete and in new against previously existing concrete, and wherever else called for on the Drawings, bonding grout shall be applied in a 2-inch-thick layer.

B. Expansion and Isolation Joints:

1. Expansion and isolation joints shall be located and constructed as shown. Generally, joints shall be located at the perimeter of slabs-on-grades and other locations shown. These joints shall have filler material and have exposed faces sealed.

2. Reinforcement and other embedded metal items shall not extend continuously through expansion or isolation joints unless shown otherwise.
 3. Unless polystyrene foam boards are called for on Drawings, premolded type joint fillers shall be installed for expansion joints in accordance with manufacturer's instructions. Joint filler shall be accurately placed and secured. Fillers for each joint shall consist of as few pieces of material as possible. Pourable or non-sag joint sealants per Section 07900 shall be placed in top or face of joints, as applicable, per manufacturer's instructions. All joints in tanks and within buildings shall be sealed unless otherwise shown. Where called for on the Drawings, exterior joints in or around walks and pavement shall be sealed.
- C. Control Joints:
1. Unless indicated otherwise on the Drawings, control joints in slabs shall be located at a maximum spacing of 30 times the slab thickness in both directions with a maximum aspect ratio not to exceed 2 to 1. These joints shall preferably be located on column lines with joints also located between column lines if required to satisfy maximum spacing. Driveways and sidewalks shall have control joints spaced at intervals approximately equal to the slab width. Drives and walks wider than 12-feet shall have longitudinal and transverse joints at 12-foot maximum spacing. All control joints shall be continuous, not staggered or offset. Control joints shall not be located in liquid containing or conveying structures, such as tank, channels and etc.

3.05 FINISHING OF FORMED SURFACES

- A. Surface defects shall be patched. Patching procedures shall be as follows:
1. Honeycombed and other defective concrete shall be removed to sound concrete. Cut or chip edges perpendicular to surface or slightly undercut; featheredging is not permitted. Area to be patched and surrounding area within at least 6 inches shall be dampened to prevent absorption of water from patching mortar.
 2. Bonding grout consisting of 1-part cement and 1-part fine sand passing a No. 30 mesh sieve mixed to the consistency of a thick cream, shall be thoroughly brushed into surface immediately prior to applying patching mixture.
 3. Patching mixture shall be composed of same proportions as used for concrete except that coarse aggregate shall be omitted and mixture shall not consist of more than 1-part cement to 2-1/2 parts sand by damp loose volume. Mixing water shall be no more than necessary for handling and placing. Patching mixture shall be prepared in advance and allowed to prehydrate with frequent manipulation with trowel, until stiffest consistency that will permit placement is obtained.

4. Where concrete is exposed to view, color of patching mixture shall be adjusted to match surrounding concrete by substituting appropriate amount of white cement for gray cement. Proper color shall be determined by trial patches.
 5. Patching mixture shall be applied before bond coat begins to lose water sheen. Patching mixture shall be thoroughly consolidated and struck off so as to leave patch slightly higher than surrounding surface. Patch shall be left undisturbed for one hour after which time it shall be finished with metal tools. Patched area shall be moist cured for not less than 7 days.
- B. Tie holes shall be patched as follows:
1. The holes shall be plugged, unless stainless steel noncorrosive or acceptably coated ties are used, as approved by Engineer.
 2. Tie holes shall be cleaned and dampened prior to patching with a non-metallic, non-shrink grout. Patching material shall be packed solid into hole.
 3. Contractor may substitute alternate materials and procedures subject to the approval of Engineer. These materials shall be applied in accordance with manufacturer's written recommendations wherever applicable.
- C. Stains, rust, efflorescence, and surface deposits on exposed concrete shall be removed by methods acceptable to Engineer.
- D. After removal of forms, the surface of concrete shall be given one or more of the finishes specified below as scheduled in the Finishing Schedule of this specification.
1. Rough Form Finish - Fins exceeding 1/8 inch in height shall be removed. Otherwise, surfaces shall be left with texture imparted by forms.
 2. Smooth Form Finish - The form facing material with or without form-liner shall produce a smooth, hard, uniform texture in the concrete. The type of facing material or form-liner selected is dependent upon the type of smooth finish desired and shall be approved by the Engineer. Tie holes and defects shall be patched. All fins shall be completely removed.
 3. Special Architectural Finishes - This shall be produced in accordance with Section 6 of ACI 301R.
 4. Smooth Rubbed Finish - The smooth rubbed finish shall be produced on a concrete with smooth form finish as specified above.
 - a. Forms shall have been removed and patching completed as soon after placement as possible without damaging or jeopardizing structure.
 - b. Finishing shall be performed no later than the day following form removal.
 - c. Surfaces shall be thoroughly wetted and rubbed with carborundum brick or other abrasive until form marks, fins, and irregularities are

removed and uniform color and texture are produced. Cement grout shall not be used.

5. Grout Cleaned Finish - The grout cleaned finish shall be produced on a concrete with smooth form finish as specified above.
 - a. Cleaning shall not begin until all contiguous surfaces to be finished are completed and accessible. Finishing as the Work progresses is not permitted. Finishing of an area shall be completed on day it is started.
 - b. Finishing grout shall consist of 1-part cement and 1-1/2 parts fine sand with sufficient water to produce consistency of thick paint. Where concrete is exposed to view, color of grout shall be adjusted to match surrounding concrete by substituting the appropriate amount of white cement for gray cement. Proper color shall be determined by trial patches.
 - c. Wet surface sufficiently to prevent absorption of water from grout and apply grout uniformly with brushes or spray gun. Scrub surface vigorously with cork float to coat surface and fill air bubbles and holes. While grout is still plastic, remove excess grout with rubber float or burlap. After surface whitens from drying, rub vigorously with clean burlap. Finish shall be kept damp for minimum of 36 hours after final rubbing.
- E. Finishing of Related Unformed Surfaces:
 1. Tops of walls, horizontal offsets, and similar unformed surfaces occurring adjacent to formed surfaces shall be struck smooth after placement and shall be floated to texture consistent with that of adjacent formed surface. Where smooth rubbed finish or grout cleaned finish is specified, finish shall continue uniformly across unformed surfaces.

3.06 SLAB INSTALLATION

- A. Preparation - Subgrade supporting slabs shall be well drained and of adequate and uniform load bearing capacity. Subgrade shall be free of frost before concrete is placed. Subgrade shall be moist at time of placement. Ground may be dampened with water, but there shall be no standing water on subgrade, nor muddy spots.
- B. Concrete shall not be deposited more rapidly than it can be spread, straight-edged, and darby or bull-floated. These later operations shall be completed before bleed water collects on surface. Rakes shall not be used for spreading concrete to avoid segregation. Slabs shall be consolidated by internal vibrators of high frequency and low amplitude, or vibrating screeds.
- C. Placement of large slab areas shall be sequenced to reduce initial shrinkage cracks. Such slabs can be poured in a series of long strips separated by similar long strips poured at

another time. The adjacent pours shall be at least 48 hours apart. Placing sequence and number of pours are subject to the approval of Engineer.

- D. Construction joints shall not be spaced further apart than 60 feet in both directions. Where construction joint spacing exceeds 25 feet concrete placement shall be alternated, in a strip or checkered fashion, so that adjacent sections can be placed a minimum of 48 hours apart to allow for volumetric change of adjacent pours due to shrinkage and to help minimize cracks.
- E. Finishes:
 - 1. Scratched Finish - After concrete has been placed, consolidated, struck off, and leveled, but prior to final set, surface shall be roughened with rakes.
 - 2. Floated Finish - After concrete has been placed, consolidated, struck off, and leveled, surface shall not be worked further until ready for floating. Floating shall begin when bleed water sheen disappears and surface has stiffened sufficiently. Floating shall be performed with wood hand float or power float. During first floating, high spots shall be cut down and low spots shall be filled. Slab shall be refloated immediately to uniform sandy texture.
 - 3. Troweled Finish - Surface shall first be float finished, followed by power trowel, and then hand troweled. Additional trowelings shall be performed after surface has hardened sufficiently. Final troweling shall be done when ringing sound is produced as trowel is moved over surface. Finished surface shall be free of trowel marks and uniformly smooth and hard. Dusting surface with cement is not permitted.
 - 4. Broom Finish - Surface shall first be float finished and then given coarse texture by drawing broom over surface.
 - 5. Non-Slip Finish - Non-slip abrasive aggregate shall be applied in accordance with manufacturer's instructions.
- F. Finishing Tolerances:
 - 1. Floor flatness (FF) and floor levelness (FL) tolerance for slabs on grade with trowel finish shall be FF25/FL20. Minimum local tolerance over 2 bay shall be 2/3 of specified tolerance.
 - 2. Floated finish surfaces shall be constructed to tolerance of FF 20/FL17.
 - 3. FL shall not apply to slabs where slope is shown or specified.
- G. Expansion and isolation joints shall be sealed using moisture insensitive and movement tolerating joint sealants per Section 07900.

3.07 CURING

- A. Beginning immediately after placement, concrete curing shall be initiated to protect the concrete from moisture loss and premature drying. Concrete shall be continuously

cured for a minimum of 7 days. Tanks and other liquid-retaining structures shall be cured for minimum of 10 days. Elevated slabs, joists, and beams shall be cured for at least 14 days and as many additional days as necessary for tests to verify that the concrete has attained 90% of its specified design strength up to a maximum of 21 days. For the entire duration of the curing period, the concrete shall be protected from detrimental weather conditions as specified elsewhere in this Section.

- B. Curing procedures for each type of concrete section shall be submitted and shall be in accordance with ACI 308, "Standard Practice for Curing Concrete," subject to the additional requirements specified herein.
- C. Concrete surfaces not in contact with forms shall be cured by one of following procedures:
 - 1. Ponding, fog spraying, or continuous sprinkling with water. Care shall be taken to avoid thermal shock from use of cold curing water or excessive evaporation rates. Alternate drying and re-wetting of slabs during curing shall be avoided to avoid hairline cracks at the surface.
 - 2. Application of burlap or absorptive mats kept continuously wet.
 - a. Burlap shall be clean and thoroughly rinsed in water before it is used.
 - b. Burlap and absorptive mats shall be soaked as frequently as required to maintain continuously wet surface.
 - c. Burlap and absorptive mats shall remain in place unwetted for minimum of 3 days after end of curing period to permit concrete to dry slowly.
 - 3. Application of waterproof sheet material conforming to ASTM C171.
 - a. Sheet material shall be placed over the wet surface of fresh concrete as soon as possible without marring surface. Material shall be placed flat without wrinkles.
 - b. Sheet material shall cover all exposed surfaces and shall extend beyond edges of slab a distance of at least twice the thickness of the slab.
 - c. Sheet material shall be lapped a minimum of 6 inches. Windrows of earth or wood shall be placed along edges and laps to seal joints and secure material from displacement by wind.
 - 4. Application of approved curing compound.
 - a. Curing compound shall be used only after receiving approval by the Engineer.
 - b. Curing compound shall not be used on walls to receive smooth rubbed or grout cleaned finishes, prior to the completion of the application of these finishes. Curing compound maybe applied, at contractor discretion, over these finishes to complete the curing processes.

- c. Curing compound shall not be used on surfaces to receive paint, liquid hardener, coatings, sealers, floor hardeners, tile, adhesives, or other materials requiring bond, unless positive measures are taken to remove it completely from the areas to receive bonded application.
 - d. Curing compound shall be placed in accordance with manufacturer's instructions after finishing, and immediately after water sheen has disappeared from concrete surface.
 - e. Exposed steel, keyways, or concrete to be surfaced shall be protected from curing compounds, unless the manufacturer of the surfacing material submits written documentation approving the use of their material on concrete on which the specific curing compound was applied.
 - f. Curing compounds shall not be used on surfaces to receive concrete toppings. Refer to Section 03510.
- D. Moisture loss from surfaces placed against wooden forms or metal forms exposed to heating by sun shall be minimized by maintaining forms continuously wet.
- 1. Forms shall be continuously sprinkled or covered with wet burlap.
 - 2. If forms are loosened but not removed, water shall be made to run down inside of form by use of soaker hoses.
 - 3. If forms are removed prior to completion of curing period, concrete shall be cured by one of the methods specified for concrete surfaces not in contact with forms.

3.08 COLD WEATHER CONCRETING

- A. Cold weather concreting procedures concerning production, transportation, placement, protection, curing, and temperature monitoring shall be submitted to Engineer for review prior to onset of cold weather.

B. Concrete Production:

1. Minimum concrete temperatures during mixing shall be as follows:

Air Temp	Least dimension less than 12 inch	Least dimension 12 inch or greater
30 to 45 degrees F	60 degrees F	55 degrees F
0 to 30 degrees F	65 degrees F	60 degrees F
Below 0 degrees F	70 degrees F	65 degrees F

2. The mixing temperatures shall not be more than 15 degrees F above the values given above. When necessary, in order to produce concrete of the specified temperature, the mix water, the aggregates, or both, shall be heated prior to batching. Heating shall be done in a manner which is not detrimental to the mix

and does not prevent the entrainment of the required amount of air. The methods used shall heat the materials uniformly. Aggregates shall not be heated directly by gas or oil flame, or on sheet metal over fire. Neither aggregates nor water shall be heated to over 150 degrees F. If either are heated to over 100 degrees F, they shall be mixed together prior to the addition of the cement so that cement does not come into contact with materials which are in excess of 100 degrees F.

- C. Preparation - All snow, ice, and frost shall be removed from the surfaces, including reinforcement, against which the concrete is to be placed. Concrete shall not be placed around any embedment which is at 32 degrees F or less and is sufficiently massive, as to cause the adjacent concrete to freeze.
- D. Placing - Minimum concrete temperatures at the time of placement shall be 55 degrees F for sections with smallest dimensions less than 12 inches, and 50 degrees F for larger sections. Maximum concrete temperature shall not exceed 20 degrees F above the minimum required temperatures at the time of placement.
- E. Protection:
 - 1. Protection shall be provided and shall be adequate to prevent the surface temperature of the concrete from falling below 50 degrees F for the duration of the specified curing period. During this period, the concrete surface shall not be exposed to heated air that is more than 20 degrees F above this minimum value. At the end of the protection period, concrete shall be allowed to cool gradually. Maximum decrease in surface temperature shall be 5 degrees F in a one-hour period and 40 degrees F in a 24-hour period.
 - 2. At the time of placement, Contractor shall keep a record of the date, time, outside air temperature, temperature of concrete, and weather conditions (calm, windy, clear, cloudy, etc.). After placement, the Contractor shall keep a record of the date, time, outside air temperature, inside enclosure air temperatures, concrete surface temperatures and weather conditions for the duration of the specified curing period. These conditions shall be recorded at regular intervals, but not less than twice per each 24-hour period, with no period exceeding 16 hours without recorded conditions. The concrete surface temperatures shall be recorded at several locations on the placed section including interior, edge and corner locations and their corresponding enclosure air temperatures at these locations where applicable. These records shall be submitted to the Engineer or resident field representative weekly. The Contractor shall place a sufficient number of thermometers on the concrete surfaces throughout the Work to allow monitoring of concrete surface temperatures representative of all the Work. The Contractor shall place a minimum of two thermometers, each capable of recording the high and low temperature.
 - 3. Materials and equipment required for protection shall be available at Site before cold weather concreting commences.

- 4. Heated Enclosure:
 - a. Enclosure shall be strong enough to be wind-resistant and weather-tight and ample space shall be provided between concrete and enclosure to permit free circulation of the warmed air.
 - b. Maximum air temperature within enclosure shall be 70 degrees F.
 - c. Heaters shall be indirect fired type and shall be vented outside of enclosure. Combustion products shall not be permitted to come in contact with protected concrete.
 - d. Heaters and ducts shall be arranged so as not to cause areas of overheating or drying of concrete surface.
- 5. Insulation:
 - a. Slabs not less than 12 inches thick placed on ground, elevated slabs, and walls may be protected by insulated forms and insulation blankets. Insulation shall be wind resistant and weather tight.
 - b. Insulation type and thickness shall be selected with due regard for concrete temperature, air temperature, and length of protection period in accordance with "Cold Weather Concreting" (ACI 306R). Special care shall be taken at corners and edges of structure. Insulation type, thickness, and "R" value shall be as indicated in cold weather concreting procedures.
 - c. When minimum concrete temperature is not maintained, insulation shall be removed and immediately replaced by a heated enclosure. A sufficient number of surface thermometers shall be furnished and installed as directed by Resident Project Representative.
- F. Curing - If water curing is used, it shall be terminated at least 24 hours before concrete is exposed to freezing temperatures. Curing period shall be completed by non-water curing methods.

3.09 HOT WEATHER CONCRETING

- A. Hot weather concreting procedures including production, transportation, placement, protection, and curing shall be submitted for Engineer's review prior to onset of hot weather.
- B. Concrete Production and Delivery - The temperature of the concrete at time of placement shall be maintained within specified temperature by any combination of the following:
 - 1. Type III cement is prohibited.
 - 2. The temperature of the aggregates shall be kept low by shading the aggregate piles or sprinkling the aggregate with water.

3. Concrete ingredients shall be cooled before mixing or flake ice shall be substituted for all or part of mixing water as required to reduce concrete temperature. Mixing shall continue until ice is completely melted.
4. Delivery of concrete shall be scheduled so that concrete is deposited as soon as practicable. Concrete shall be completely discharged within 1 hour after introduction of mixing water to cement.
5. Water reducing or retarding admixtures with shrinkage compensating cement shall be used in such quantities as recommended by the manufacturer.
- C. Preparation - Steel forms, reinforcement, and embedments shall be cooled to below 90 degrees F by means of spraying with water or other approved methods immediately prior to concrete placement.
- D. Placing - Concrete shall be placed at lowest practicable temperature. Temperature of concrete as placed shall not cause difficulty from loss of slump, flash set, or cold joints and shall be between 75 degrees F and 90 degrees F and in no case shall exceed 90 degrees F.
- E. Protection:
 1. During hot weather conditions prior to the application of curing materials, the concrete being placed and finished shall be protected from damage due to rapid evaporation. Such protection shall be adequate to prevent premature crusting of surface or an increase in drying shrinkage and cracking. Such protection shall be provided by raising the humidity of the surrounding air by fog spraying, the use of wind breaks or sun shades, additionally reducing of the temperature of the concrete, scheduling placement during the cooler times of day or night, reducing time between placement of concrete and start of curing, or any combination thereof.
 2. Forms shall be covered and kept moist.
- F. Curing:
 1. Curing shall be performed by water methods only unless approved otherwise.
 2. When the use of waterproof sheet material is approved for hot weather concreting, the material shall be pigmented white.
 3. Forms shall be loosened as soon as practicable and water curing shall be used as specified.

3.10 TESTING

- A. Concrete materials and operations shall be tested as the Work progresses.
- B. Duties of testing laboratory shall be as follows:
 1. Review, check, and test proposed materials for compliance with Specifications before the start of the Work.

2. Sample aggregates from concrete production stockpiles, at least once a month, during the placement of concrete and test for compliance with the specifications. The moisture content of each sample shall be measured and recorded.
 3. Review and test proposed mixture design when required by Engineer.
 4. Randomly sample concrete during construction in accordance with ASTM C172 and perform scheduled tests.
- C. Test Schedule:
1. Strength:
 - a. One strength test shall be made for each 50 cubic yards, or fraction thereof, of each class of concrete placed on any one day. Frequency of testing shall not provide less than 5 strength tests for each class of concrete.
 - b. Concrete strength test shall consist of five (5) specimens from each sample molded and cured in accordance with the section of ASTM C31, "Curing Specimens for Checking the Adequacy of Mixture Proportions for Strength or as the Basis for Acceptance or Quality Control".
 - c. Specimens shall be tested in accordance with ASTM C39. Two (2) specimens shall be tested at 28 days for acceptance, one (1) shall be tested at 7 days and one (1) shall be tested at 14 days for information, and one (1) shall be kept as a spare. The strength test result shall be the average strength of the two 28-day specimens. If any of the cylinder specimens shows evidence of improper molding, handling, or testing, it shall be discarded and the spare shall be used. Should both 28-day test specimens have defects, the entire test shall be discarded.
 2. Cold Weather Concreting and Form Removal:
 - a. When cold weather concreting procedures apply or when form removal provisions of Section 03100 apply, field cured specimens shall be made to determine when protection procedures may be terminated or when forms may be removed. These field cured specimens shall be in addition to strength tests and shall be made at same time as strength specimens.
 - b. Specimens shall be molded and cured in accordance with the section of ASTM C31, "Curing for Determining Form Removal Time or When a Structure May be Put into Service". Contractor shall determine number of specimens required, but number of specimens shall not be less than three.
 - c. Specimens shall be tested in accordance with ASTM C39. Age-at-test of specimens shall be selected by Contractor.

3. Slump shall be measured for first batch of each concrete class delivered in morning and afternoon, for each strength test, and whenever consistency of concrete appears to vary. Slump shall be measured in accordance with ASTM C143. In the event that a batch fails to comply with specified requirements, the slump shall be measured on each successive batch until three batches meet the specified requirements.
4. Air content shall be determined for first batch of each concrete class delivered in morning and afternoon, for each strength test, and as required by field representative. Air content shall be measured in accordance with ASTM C231, ASTM C173, or ASTM C138. When concrete is placed by pumping, air content and slump shall be measured before pump and also at pump discharge. In the event that a batch fails to comply with specified requirements, the air content shall be measured on each successive batch until three batches meet the specified requirements.
5. Temperature of concrete sample shall be measured for each strength test.
6. If the measured slump or air content falls outside the specified limits, make additional tests immediately. Test all succeeding trucks for both slump and air until three in succession pass the slump and air tests.

3.11 EVALUATION OF STRENGTH

- A. Contractor shall perform concrete mix work and produce concrete structures in full compliance with Specifications.
- B. Concrete strength will be considered satisfactory if the average of three consecutive strength test results equals or exceeds the specified strength, and no individual strength test result falls below specified strength by more than 500 psi.

3.12 CONCRETE SCHEDULE

- A. Unless indicated otherwise on the Drawings or specified, concrete shall be furnished as follows:

Class A-1: For all structures not defined under Class B concrete.

Class B: Mudmats and concrete grout.

3.13 CONCRETE FINISHING SCHEDULE

- A. Concrete shall be finished as follows unless indicated otherwise:

1. Spillway:

Slabs: Float finish.

Visible formed surfaces: Grout-cleaned finish.

Not visible formed surfaces:

Smooth form finish.

PART 4 SPECIAL PROVISIONS

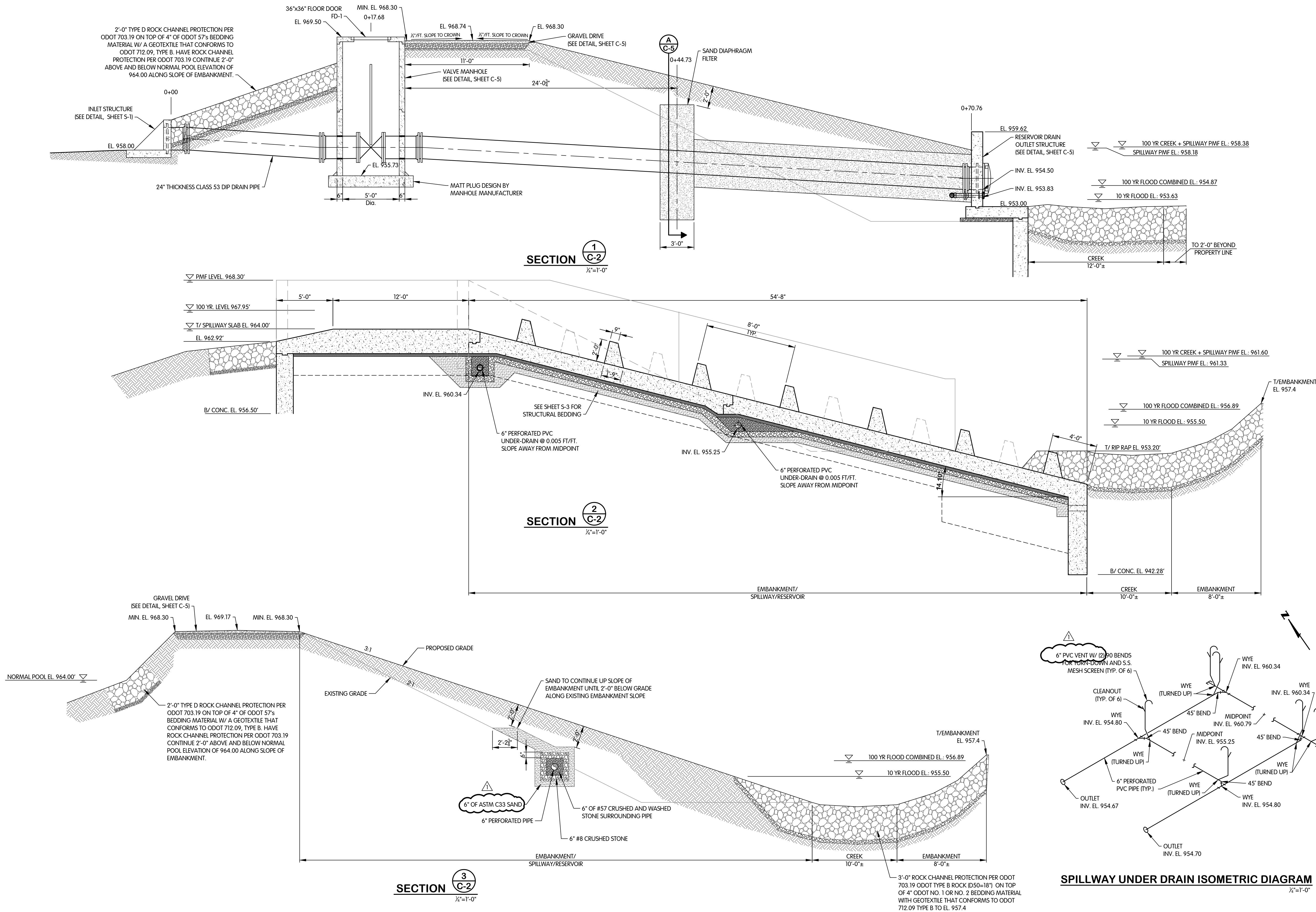
4.01 CONCRETE GROUT

1. Concrete grout shall be used to fill voids between the Spillway, Outlet and Drainage structure gradewalls and excavate rock.
2. Concrete grout shall be Class B concrete with the coarse aggregate replaced with fine aggregate.
3. Concrete grout shall be made flowable so that the mix can easily flow into and grout solid tight spaces.
4. Rod the grout as required to pack into tight spaces.

END OF SECTION

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CIN-7532001C06-C-3 RESERVOIR DRAIN & SPILLWAY STRUCTURE SEC. & EMB DETAILS
8/14/2026 9:40 AM - BDRILL
8/14/2026 9:43 AM



RESERVOIR DRAIN AND SPILLWAY STRUCTURE
SECTIONS AND EMBANKMENT DETAILS
VILLAGE OF BLANCHESTER RESERVOIR
3 IMPROVEMENTS

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY	CHK
1	8/14/24	ADDENDUM 2		

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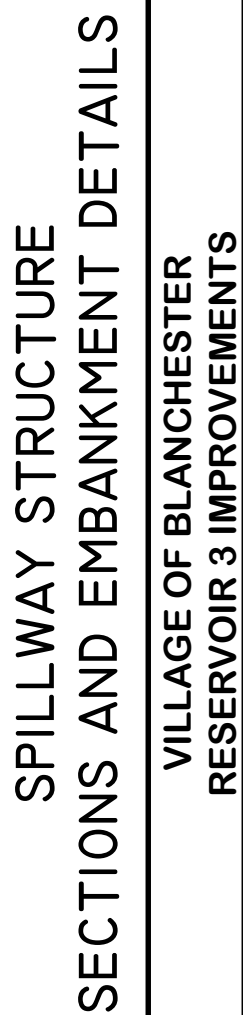
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PLOTTED TO NOTED SCALE

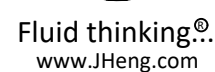
DESIGNED	DRAWN	CHECKED
KMA	LKB	JDM

STATUS: SUBMITTED TO STATE
DATE: JUNE 2023

SHEET NO.
C-3
9 OF 14



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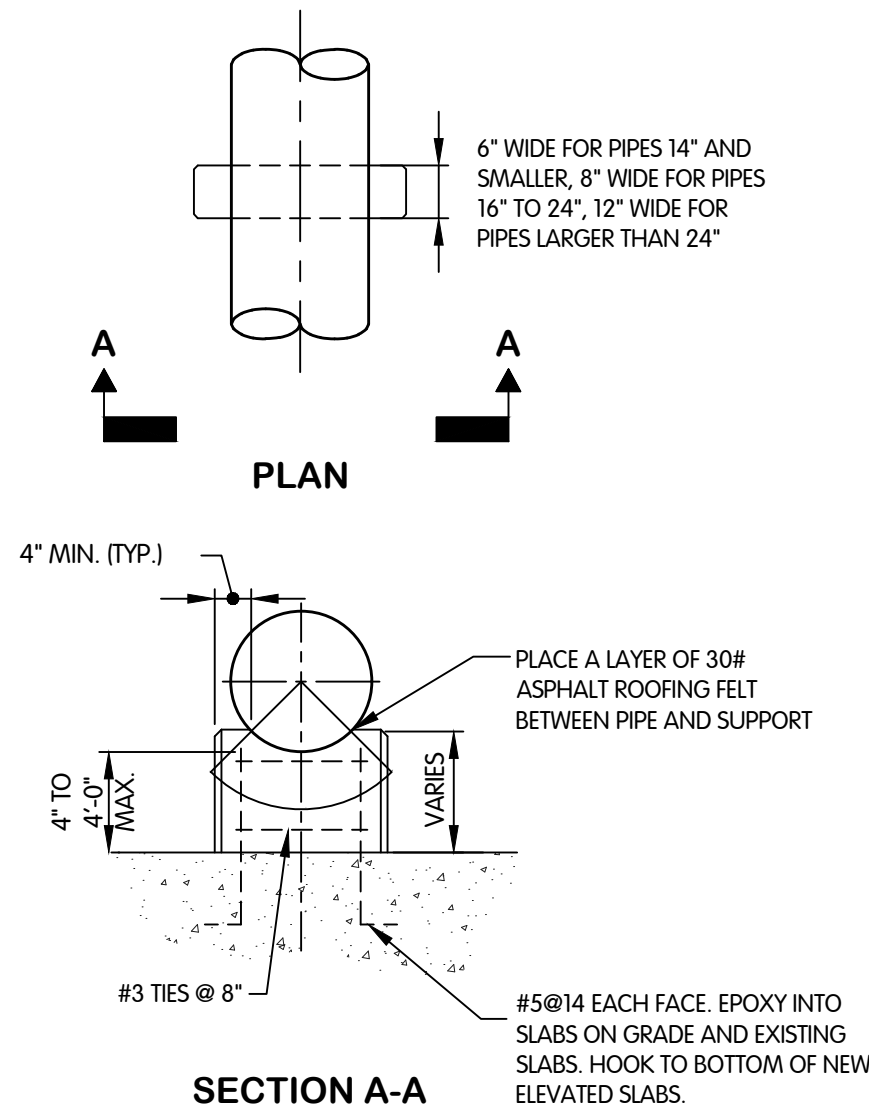
SHEET NO.

10 OF 14



CIN-753200IC06-C-4 SPILLWAY STRUCTURE SECTIONS & EMBANKMENT DETAILS
8/14/2026 11:14 AM - BDRILL
8/14/2026 11:14 AM

CIN-7532001C04-C-5 MISCELLANEOUS DETAILS
8/14/2026 8:09 AM - BDRILL
8/14/2026 9:43 AM

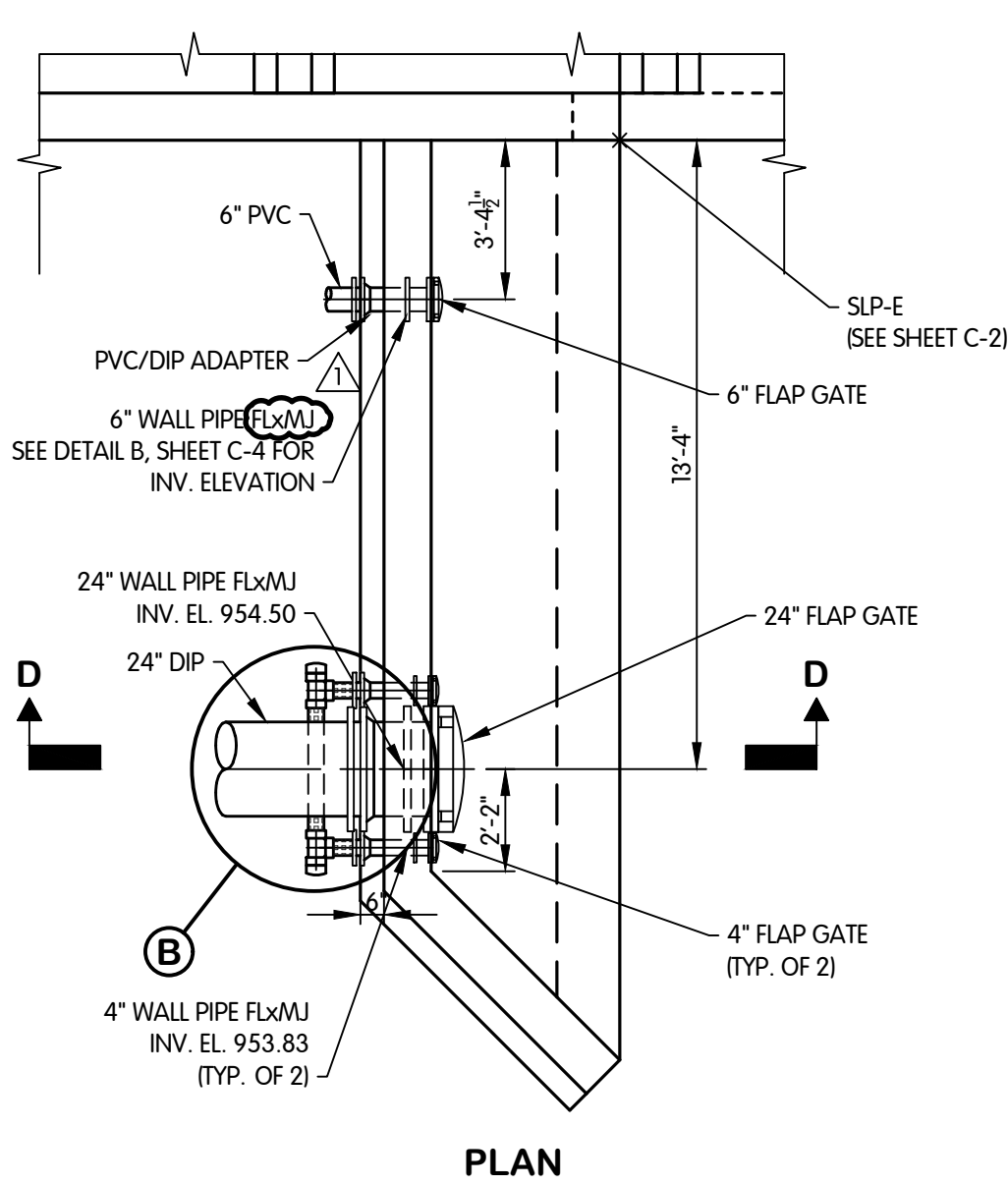


- NOTE:
CONCRETE SUPPORTS SHALL BE SPACED NOT MORE THAN 12'-0" ON CENTER. SUPPORT PIPING NEAR EACH SIDE OF VALVES, RATE CONTROLLERS, AND COUPLINGS.
- FOR EXISTING ELEVATED SLABS, LOCATE EXISTING BARS WITH REBAR FINDER. LOCATE SUPPORTS SO DOWELS MISS EXISTING BARS.

TYPE 1

CONCRETE SADDLE SUPPORT

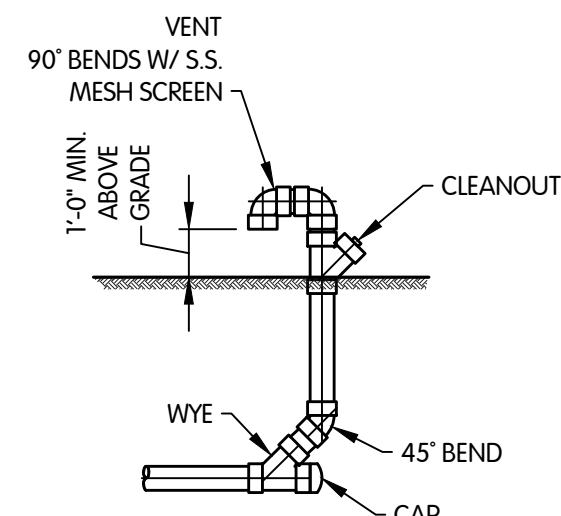
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SECTION D-D

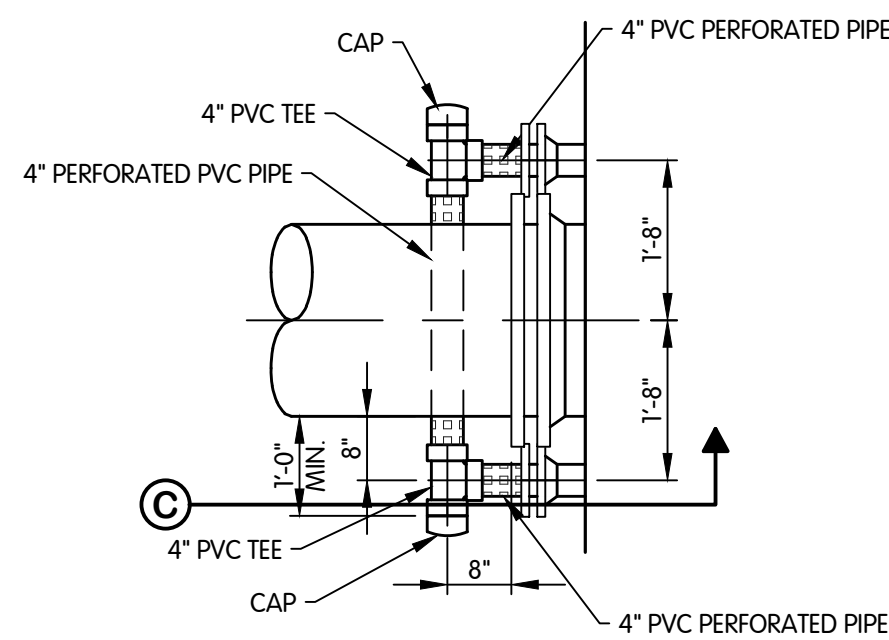
RESERVOIR DRAIN OUTLET STRUCTURE DETAIL

1/2"=1'-0"



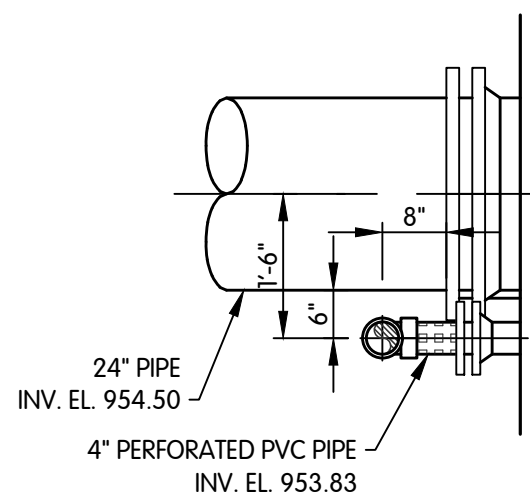
TYPICAL VENT W/ CLEANOUT DETAIL

NTS



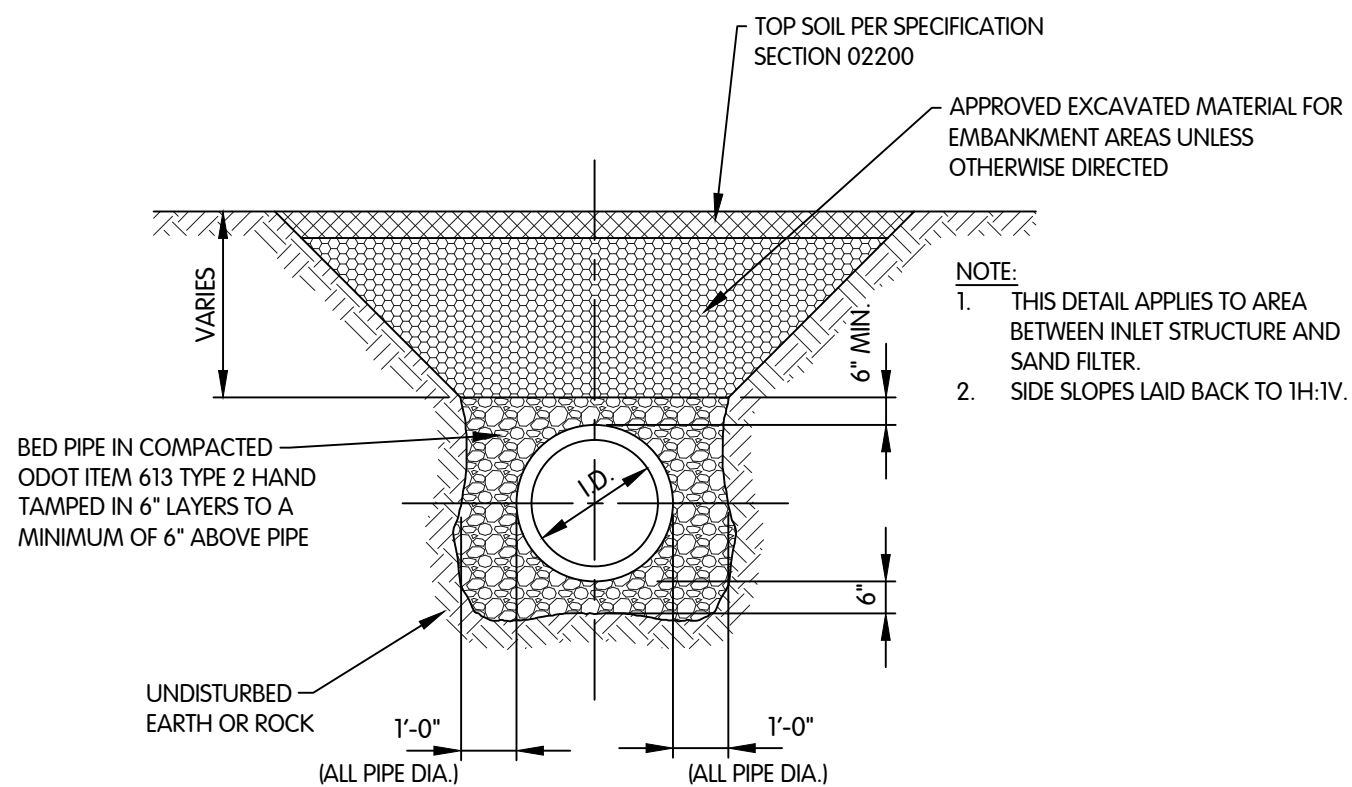
DETAIL B

1/2"=1'-0"



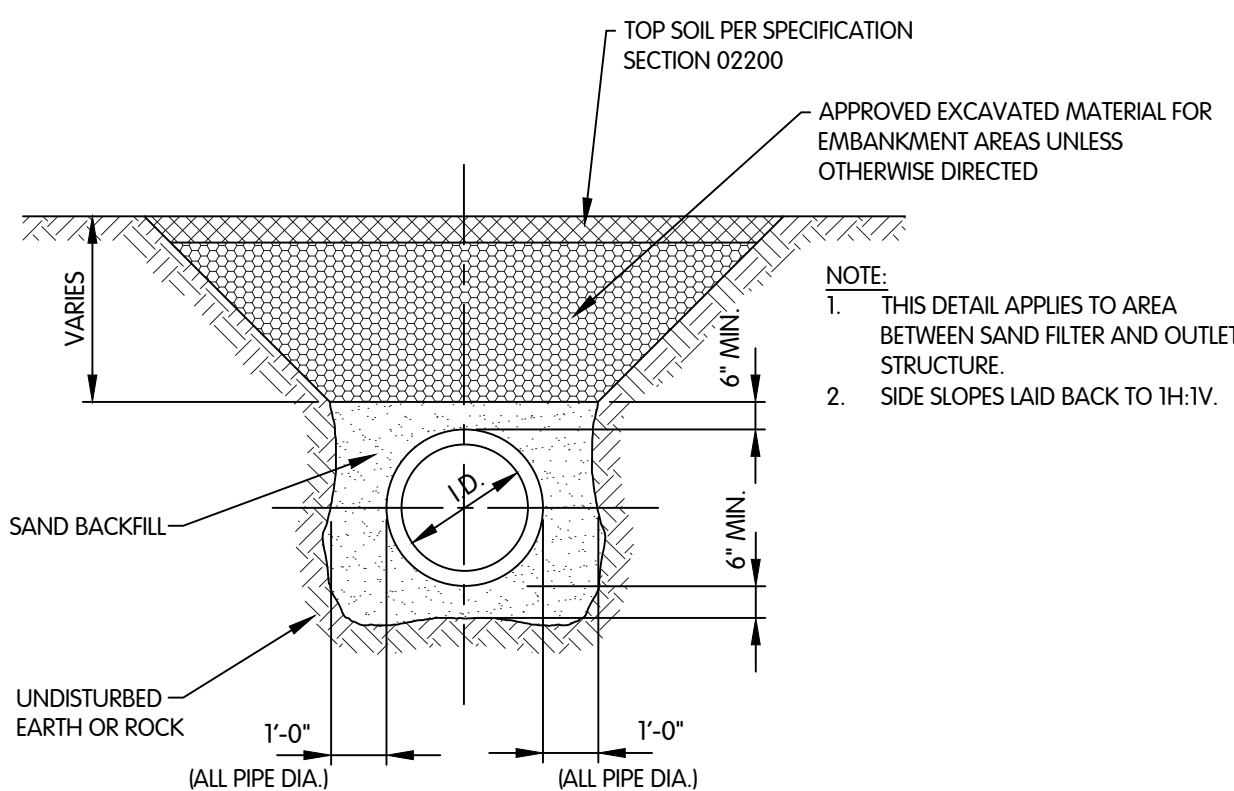
DETAIL C

1/2"=1'-0"



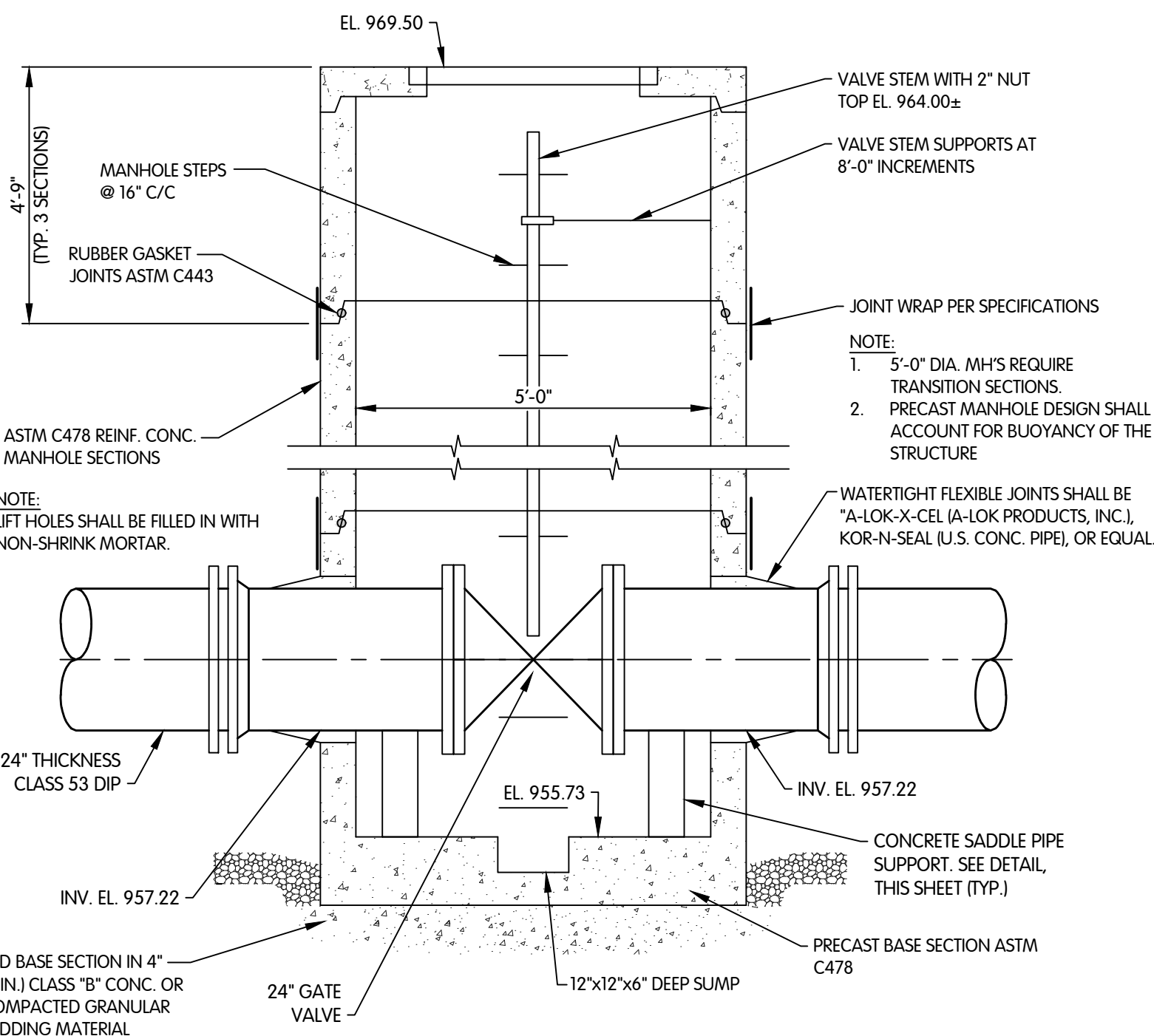
TRENCH DETAIL FOR RESERVOIR DRAIN - STA. 0+00 TO 0+43.23

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TRENCH DETAIL FOR RESERVOIR DRAIN - STA. 0+46.23 TO 0+70.76

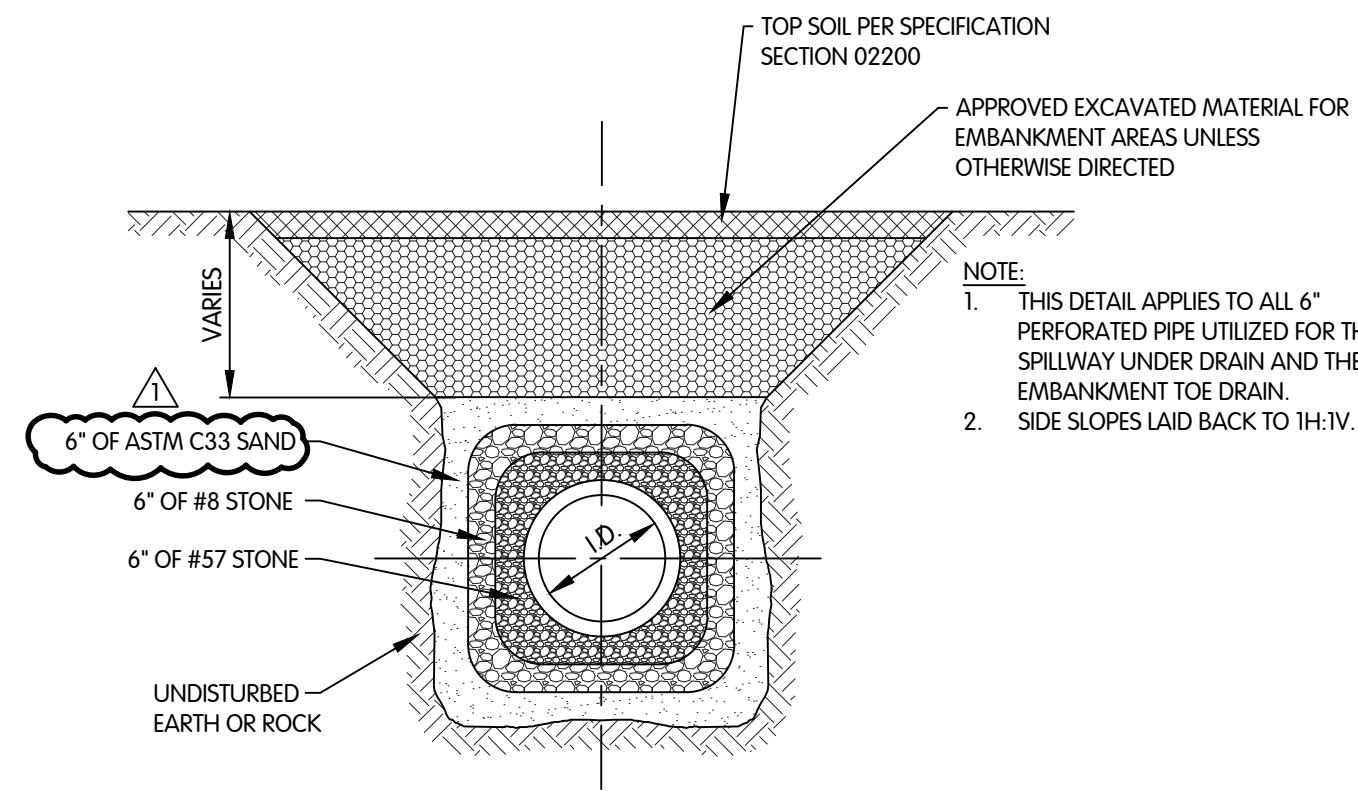
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VALVE MANHOLE DETAIL

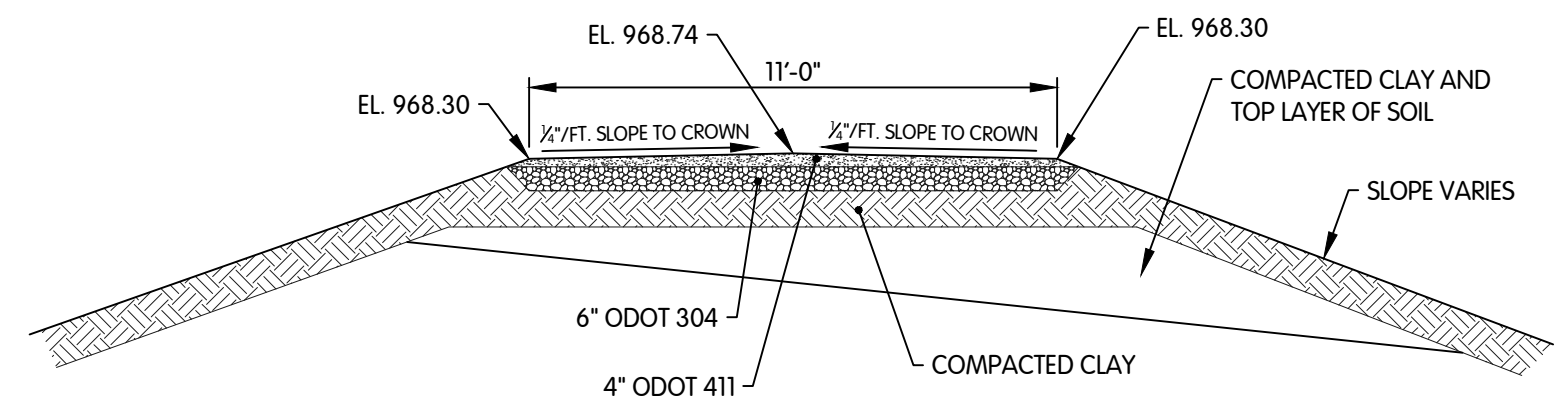
1/2"=1'-0"

MANHOLE SCHEDULE						
MH NO.	COORDINATES		TYPE	ELEVATIONS		REMARKS
	NORTHING	EASTING		CASTING	INVERT	
MH-1	472380.51	1549894.36		969.50	957.25	COORDINATES TO BE CENTER OF MH



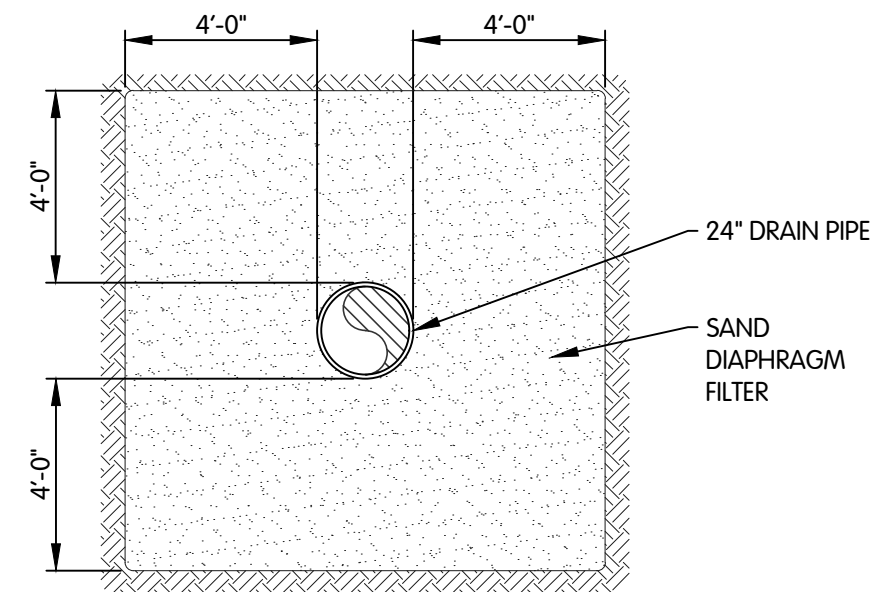
TRENCH DETAIL FOR 6" PERFORATED PIPE

NTS



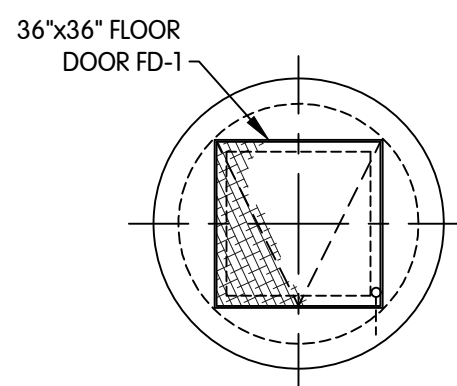
TYPICAL GRAVEL DRIVE DETAIL

NTS

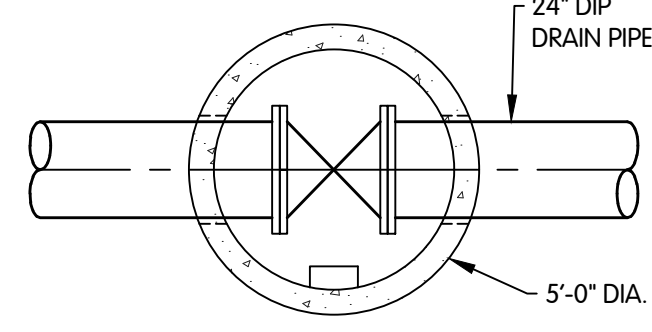


DETAIL A

1/2"=1'-0"



TOP PLAN



SECTIONAL PLAN

VALVE MANHOLE PLAN

1/2"=1'-0"



MISCELLANEOUS DETAILS
VILLAGE OF BLANCHESTER
RESERVOIR 3 IMPROVEMENTS

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY	PK
1	8/14/26	ADDENDUM 2		

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SCALE AS NOTED

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DESIGNED KMA DRAWN LKB CHECKED JDM

STATUS: SUBMITTED TO STATE

DATE: JUNE 2023

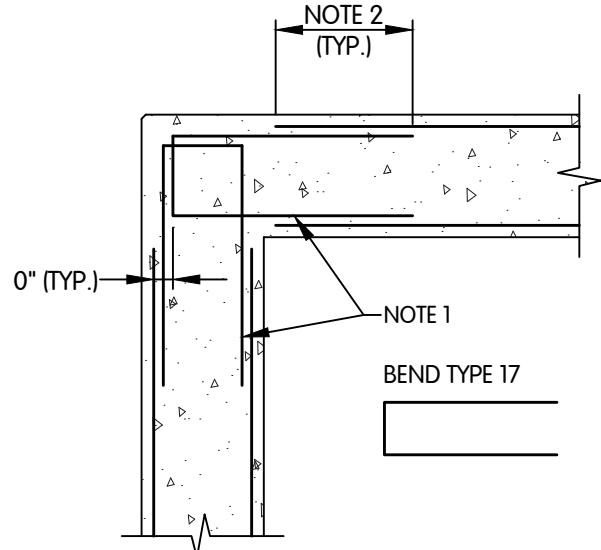
SHEET NO.

C-5

11 OF 14

LAP SPlice LENGTH (IN.) UNLESS SHOWN OTHERWISE				
BAR SIZE	CLEAR COVER 2" OR MORE		CLEAR COVER LESS THAN 2"	
	TOP REINFORCEMENT	BOTTOM AND VERTICAL REINFORCEMENT	TOP REINFORCEMENT	BOTTOM AND VERTICAL REINFORCEMENT
#3	18	16	18	16
#4	24	19	24	19
#5	30	23	30	23
#6	36	28	40	31
#7	42	33	54	42
#8	51	39	71	55

NOTE:
TOP REINFORCEMENT IS DEFINED AS HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF FRESH CONCRETE CAST BENEATH THE BAR. HORIZONTAL BARS IN WALLS SHALL BE CONSIDERED AS TOP REINFORCEMENT.

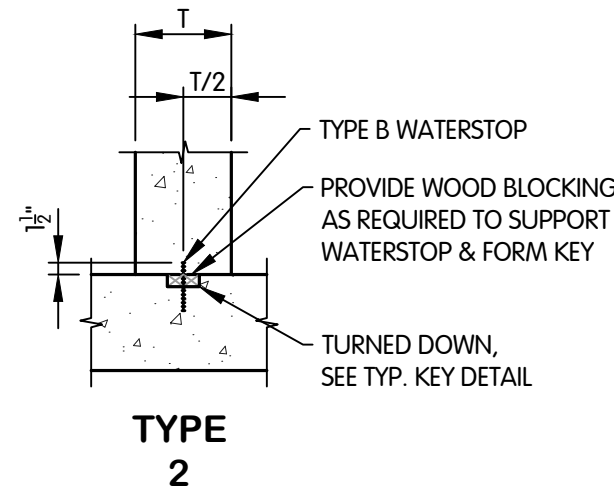


LIQUID-RETAINING STRUCTURES

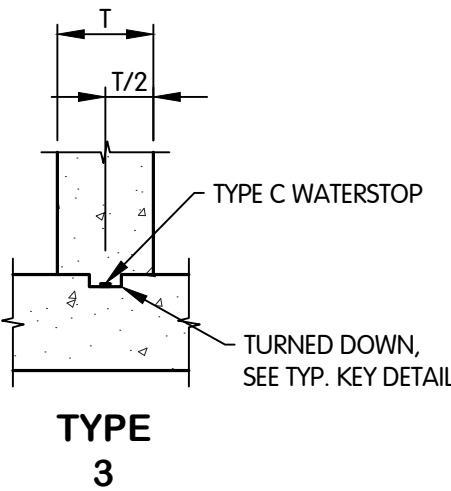
- WALL CORNER REINFORCEMENT NOTES:**
1. SAME SIZE AND SPACING AS HORIZONTAL REINFORCEMENT, UNLESS SHOWN OTHERWISE.
 2. LAP SPlice LENGTH FOR TOP BARS, UNLESS SHOWN OTHERWISE.
 3. ALTERNATE DETAIL REQUIRES ENGINEER APPROVAL.

TYPICAL CONCRETE WALL CORNER AND INTERSECTION HORIZONTAL REINFORCEMENT DETAILS

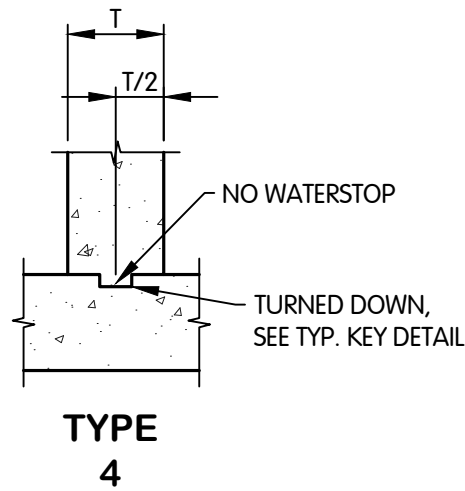
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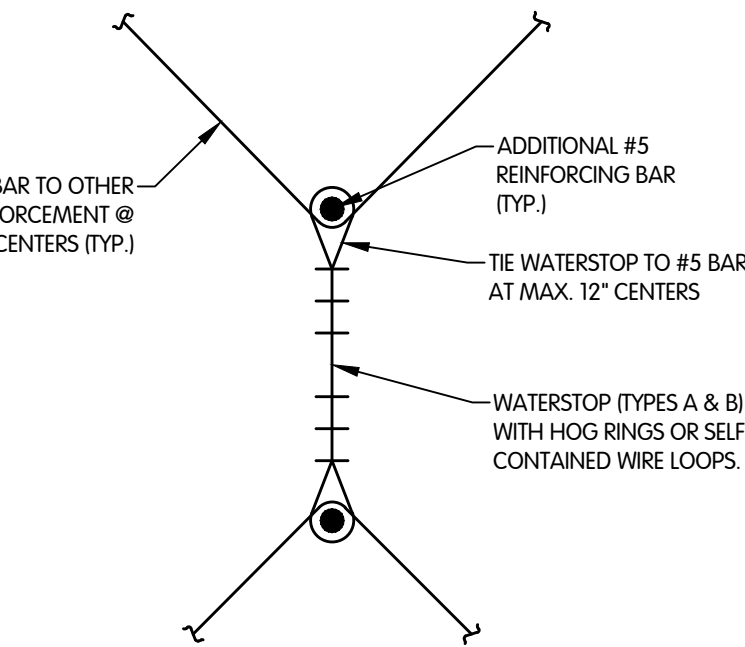
TYPE 2



TYPE 3

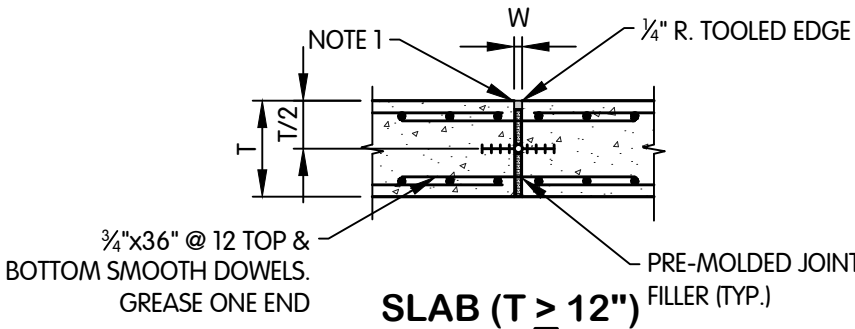


TYPE 4



TYPICAL WATERSTOP DETAIL

NTS

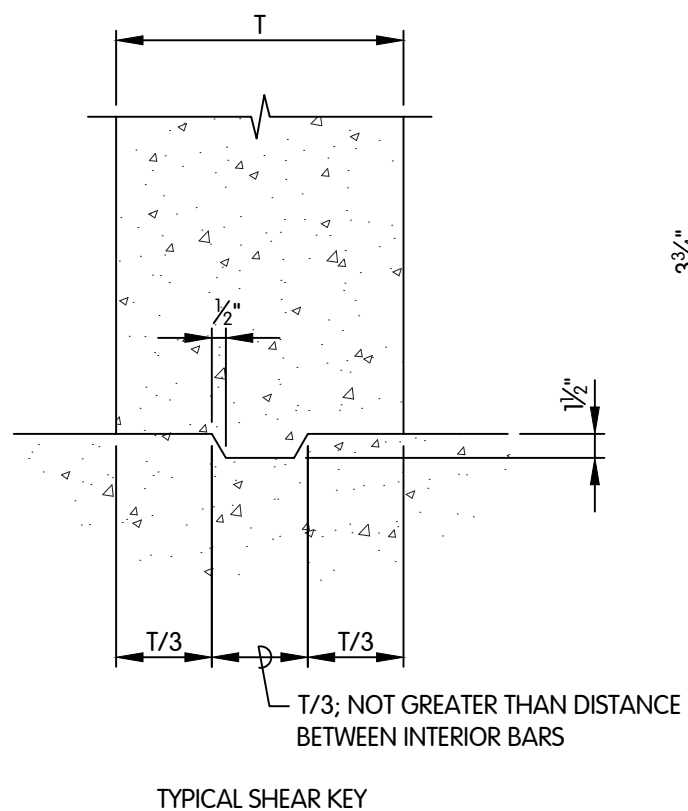


- EXPANSION JOINT NOTES:**
1. SEALANT ON TOP OF SLABS-ON-GRADE (SEE TYPICAL SEALANT DETAIL).
 2. JOINT WIDTH "W" AS SHOWN ON DRAWINGS.
 3. TYPE A WATERSTOP IS 9" PVC WITH CENTER BULB. SEE WATERSTOP DETAIL AND SPECIFICATIONS.
 4. SEE STRUCTURAL DRAWINGS FOR REINFORCING. STOP ALL REBAR 2" FROM FACE OF JOINT.

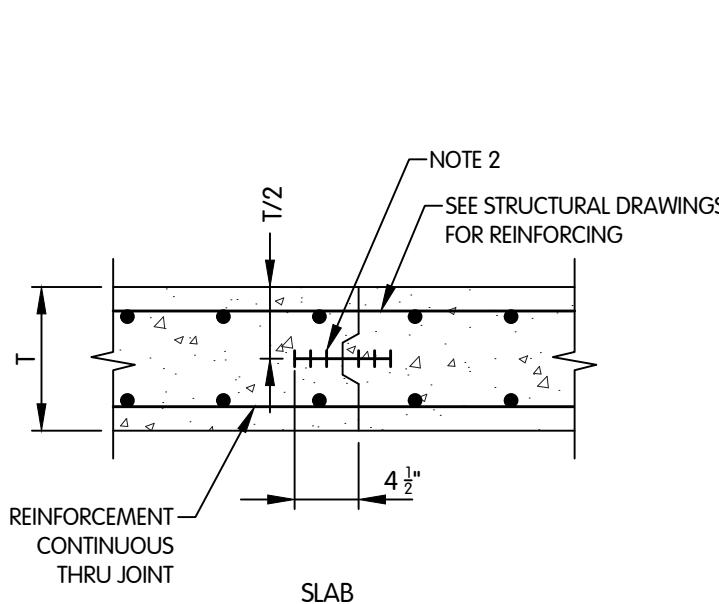
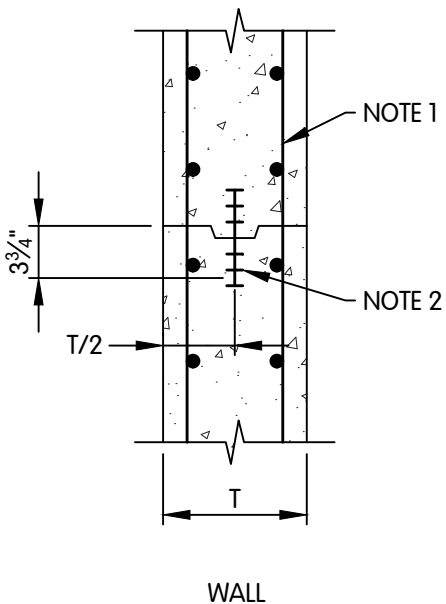
TYPICAL CONCRETE EXPANSION JOINT DETAILS

(MAXIMUM SPACING OF EXPANSION JOINTS 200 FEET U.N.O.)

NTS



TYPICAL SHEAR KEY



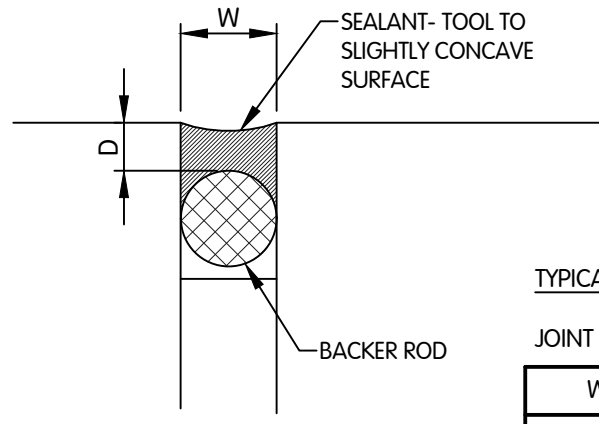
- CONSTRUCTION JOINT NOTES:**
1. CONTINUE REINFORCEMENT THROUGH JOINT.
 2. TYPE B (6" PVC) WATERSTOP WHERE SHOWN OR SPECIFIED. SEE WATERSTOP DETAIL AND SPECIFICATIONS.
 3. PLACE 2" DEEP BED OF BONDING GROUT IN HORIZONTAL JOINTS. BONDING ADHESIVE ON VERTICAL JOINTS FOR NEW AND NEW TO EXISTING CONSTRUCTION.
 4. BONDING GROUT IS ONLY REQUIRED AT THE BOTTOM OF THE WALLS SHOWN BY SECTION 4 AND 6 ON SHEET S-3.

TYPICAL CONSTRUCTION JOINT DETAILS (CSJ)

NTS

TYPICAL CONCRETE COVER	
CONCRETE CAST AGAINST EXPOSED EARTH	3"
SURFACE EXPOSED TO EARTH OR WEATHER	2"
SURFACE EXPOSED TO OR OVER WATER, SEWAGE, OR OTHER LIQUIDS	2"
SLABS, WALLS, JOISTS:	2"
BEAMS, COLUMNS	2 1/2"
PRIMARY REINFORCEMENT: STIRRUPS AND TIES:	2"
OTHER SURFACES	1"
SLABS, WALLS, JOISTS:	1"
BEAMS, COLUMNS	2"
PRIMARY REINFORCEMENT: STIRRUPS AND TIES:	1 1/2"

STRUCTURAL DESIGN DATA	
BUILDING CODE	2017 OHIO BUILDING CODE
OCCUPANCY CATEGORY	= IV
USE GROUP	= F-2
CONSTRUCTION TYPE	= 2-B
WIND	BASIC WIND SPEED = 120 MPH WIND EXPOSURE = C
SEISMIC	SEISMIC IMPORTANCE FACTOR = IE = 1.50 SITE CLASS = D SEISMIC DESIGN CATEGORY = C DESIGN SPECTRAL RESPONSE ACCELERATIONS = S _{DS} = 0.147 S _{D1} = 0.115 ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE
SOILS	DESIGN BEARING CAPACITY = 2500 PSF
CONCRETE	DESIGN STRENGTH AT 28 DAY = 4500 PSI
FLOOD	PROBABLE MAXIMUM FLOOD, PMF = 968.30



STANDARD

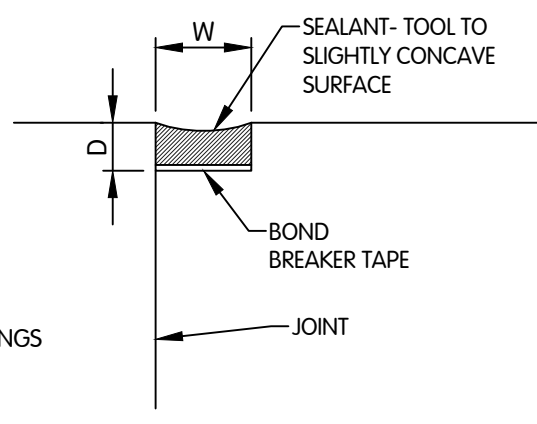
TYPICAL SEALANT NOTES:

JOINT WIDTH (W) AS SHOWN ON DRAWINGS	
W ≤ 1/2"	D = 1/2"
W = 3/4"	D = 3/4"
W ≥ 1"	D = 1/2"

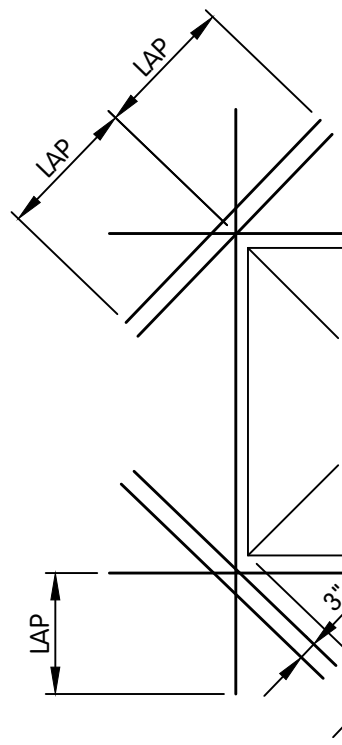
1. BLUNT SHARP EDGES OF CONCRETE JOINTS WITH GRINDER BEFORE SEALING.

TYPICAL SEALANT DETAILS

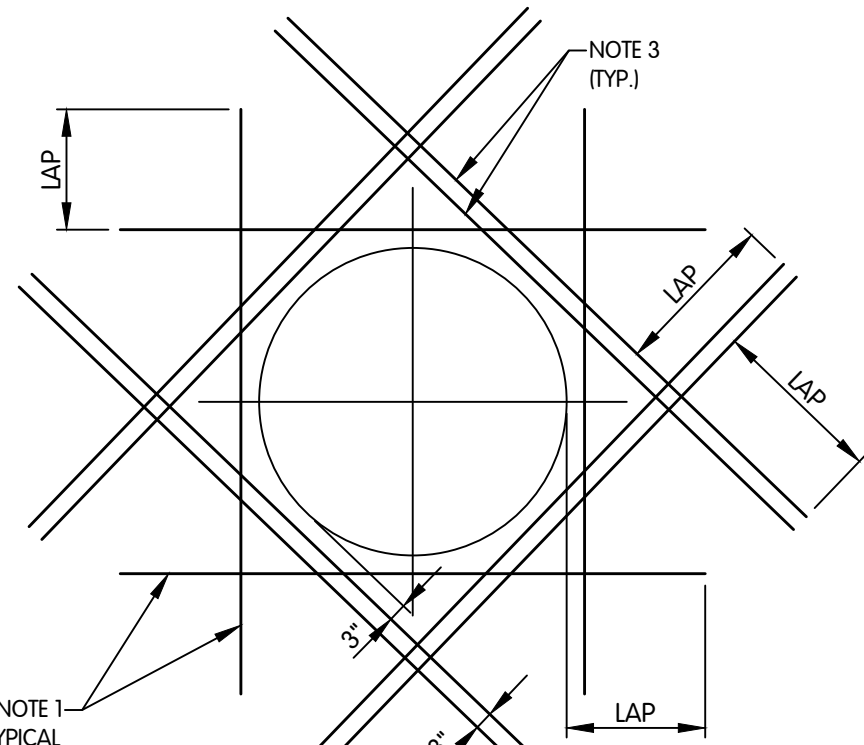
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SHALLOW



RECTANGULAR

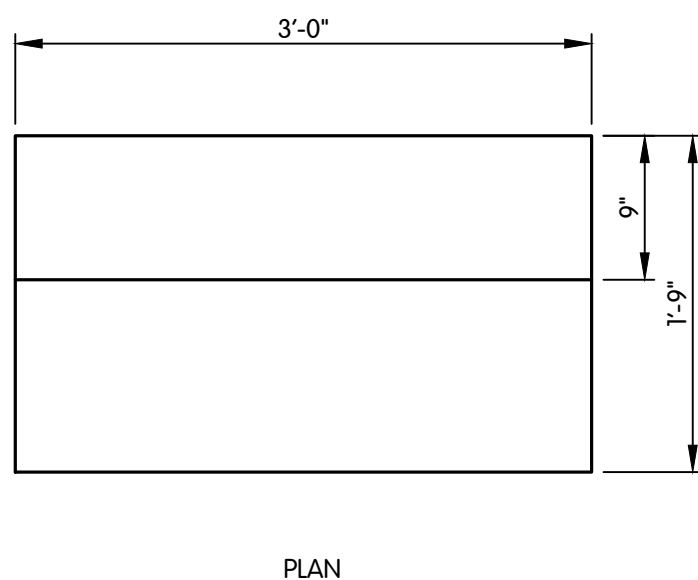


CIRCULAR

- REINFORCEMENT AT OPENING NOTES:**
1. ADDITIONAL REINFORCEMENT EQUAL IN AREA TO REINFORCEMENT CUT BY OPENING.
 2. PROVIDE LAP LENGTH FOR TOP BARS.
 3. PROVIDE TWO DIAGONAL BARS AT EACH FACE AND AT EACH CORNER OR QUADRANT. BARS SHALL BE #5 FOR SECTIONS 18" OR LESS IN THICKNESS AND #6 FOR SECTIONS THICKER THAN 18".
 4. DIAGONAL BARS NOT REQUIRED FOR OPENINGS WITH LARGEST DIMENSION LESS THAN 12".
 5. ONLY DIAGONAL BARS ARE REQUIRED AT DOOR, WINDOW, OR HATCHED OPENING.

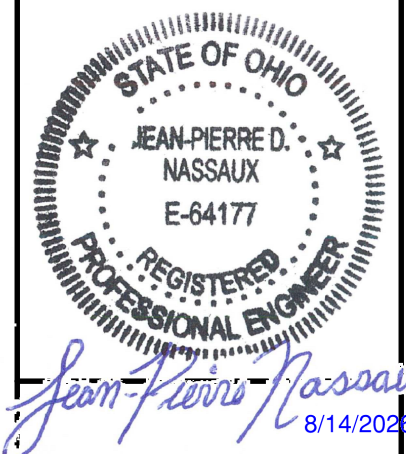
TYPICAL ADDITIONAL REINFORCEMENT FOR OPENINGS BETWEEN 8" AND 48"

NTS



DISSIPATER BLOCK DETAIL

1"=1'-0"



STRUCTURAL DETAILS VILLAGE OF BLANCHESTER RESERVOIR 3 IMPROVEMENTS

JDN BY
8/14/2026 8:51 AM
8/14/2026 9:43 AM
NO. 1
DATE
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DESIGNED JDN DRAWN LKB CHECKED JDM

STATUS SUBMITTED TO STATE

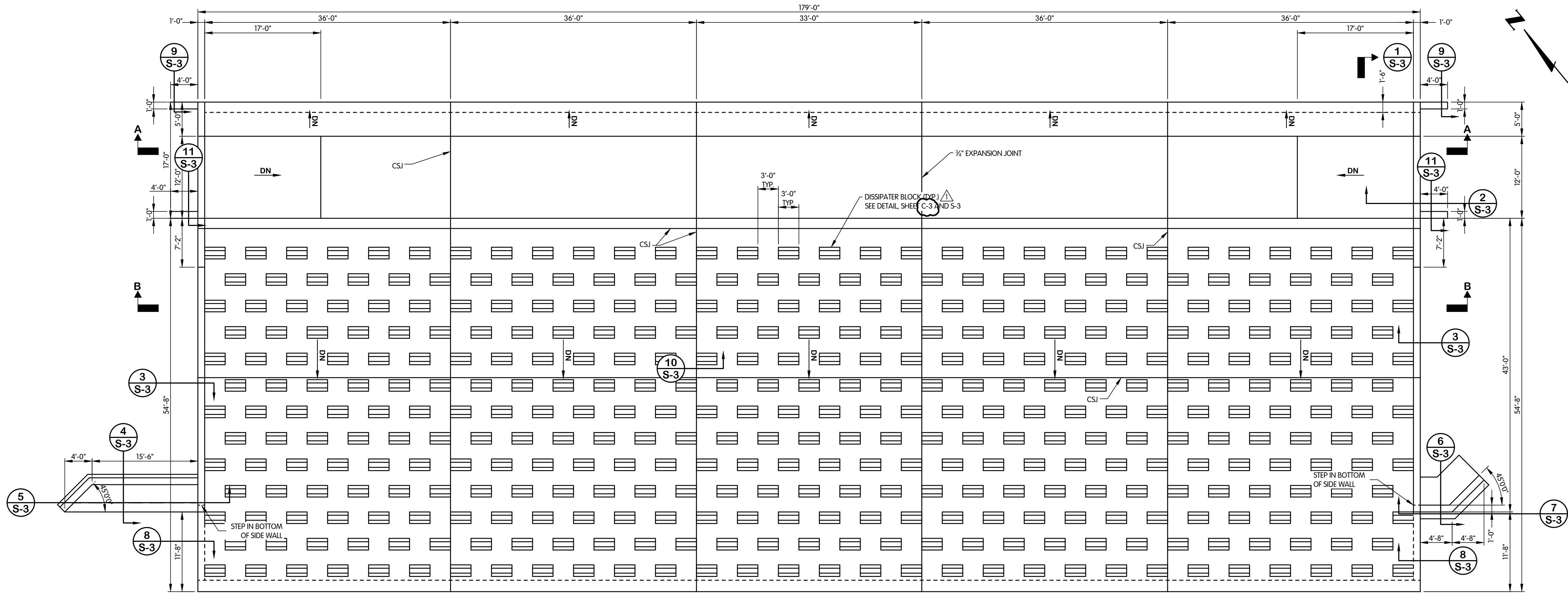
DATE JUNE 2023

SHEET NO.

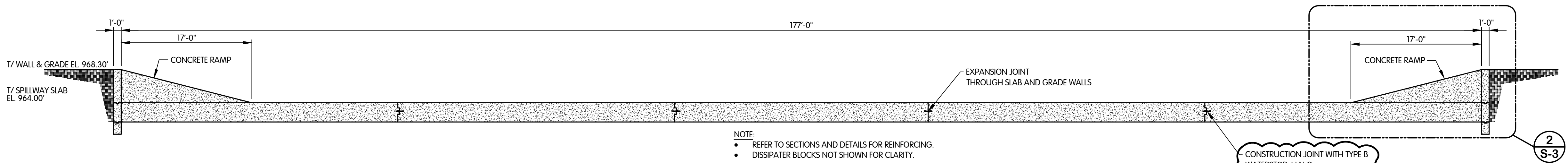
S-1

12 OF 14

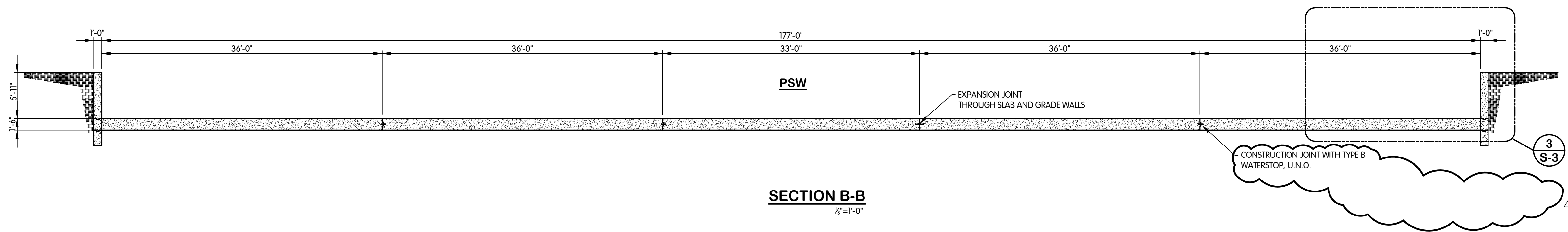
CIN-7532001S01-S-2 SPILLWAY STRUCTURAL PLAN AND SECTIONS
8/14/2026 8:51 AM - BDRILL
8/14/2026 9:44 AM



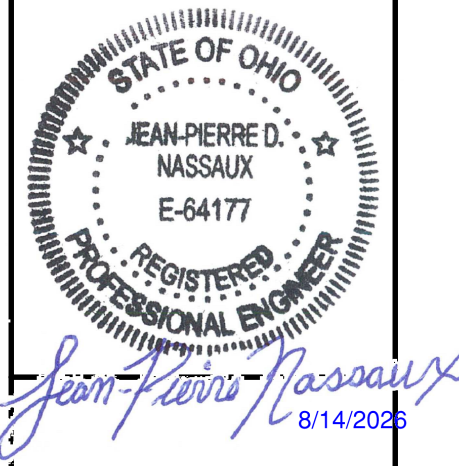
SPILLWAY PLAN
1/8\"/>



SECTION A-A
1/8\"/>



SECTION B-B
1/8\"/>



**SPILLWAY
STRUCTURAL PLAN AND SECTIONS**
VILLAGE OF BLANCHESTER
RESERVOIR 3 IMPROVEMENTS

JPN BY
REVISIONS AFTER ISSUED FOR BID
8/14/2026 8/14/2026 8/14/2026
NO. DATE DATE

Jones & Henry
Engineers, Ltd.



JOB NO. 854-7532.001

SCALE AS NOTED

THIS LINE SCALES IF WHEN
PLOTTED TO NOTED SCALE

DESIGNED JDN DRAWN LKB CHECKED JDM

STATUS SUBMITTED TO STATE

DATE JUNE 2023

SHEET NO.

S-2

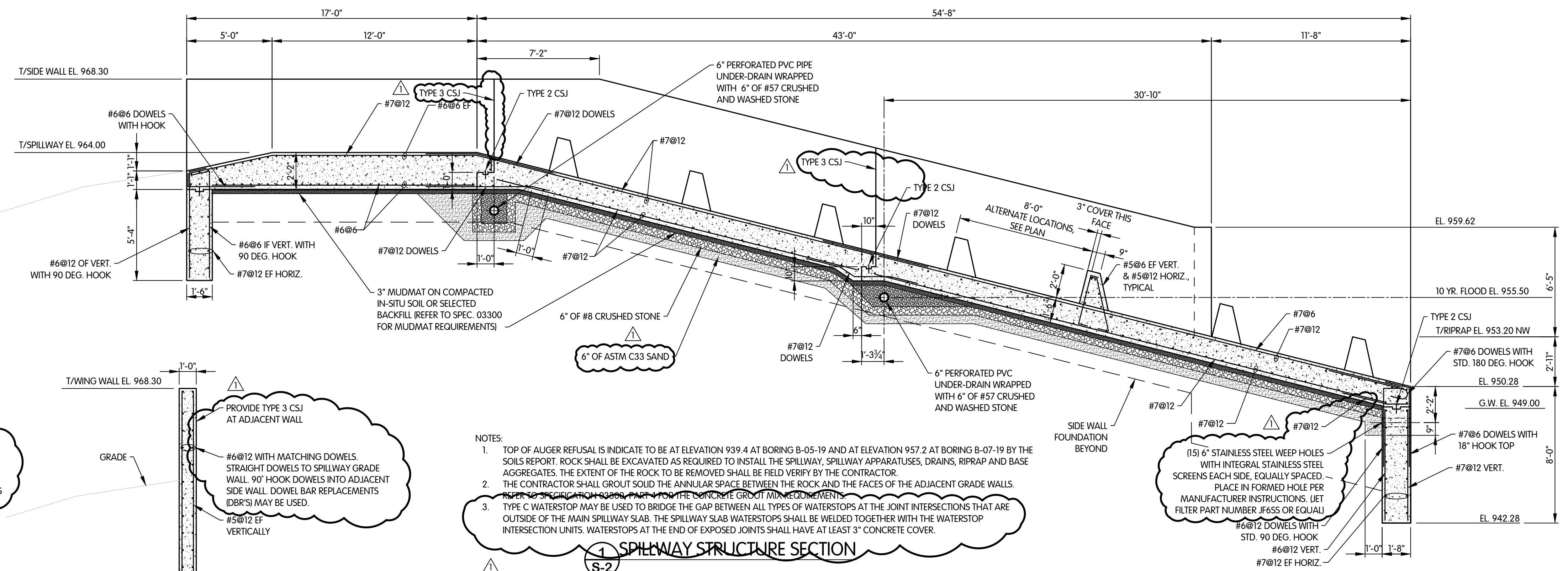
13 OF 14

SPILLWAY
STRUCTURAL SECTIONS AND DETAILS
VILLAGE OF BLANCHESTER
RESERVOIR 3 IMPROVEMENTS

REVISIONS AFTER ISSUED FOR BID
DATE
NO.

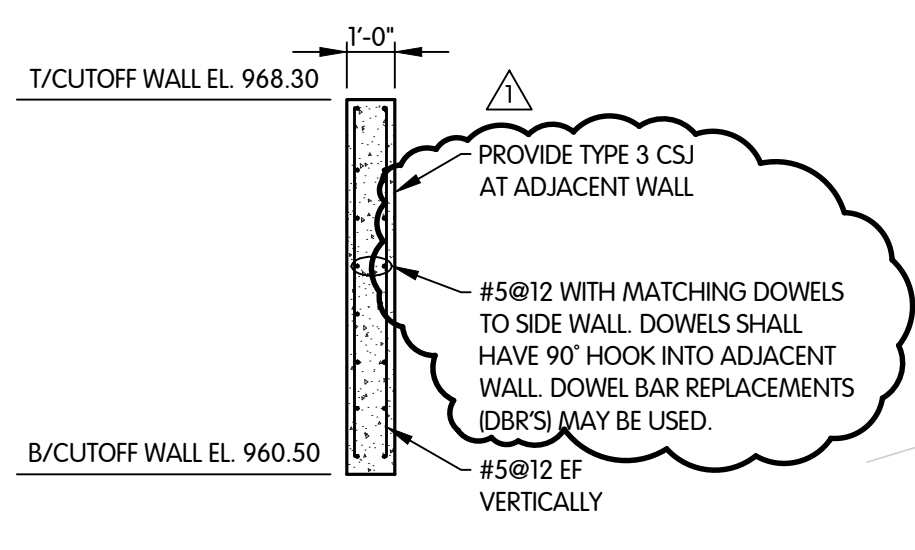
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JOB NO. 854-7532.001
SCALE 1/4"=1'-0"
THIS LINE SCALES IT WHEN PLOTTED TO NOTED SCALE
DESIGNED JDN DRAWN LKB CHECKED JDM
STATUS SUBMITTED TO STATE
DATE JUNE 2023
SHEET NO.

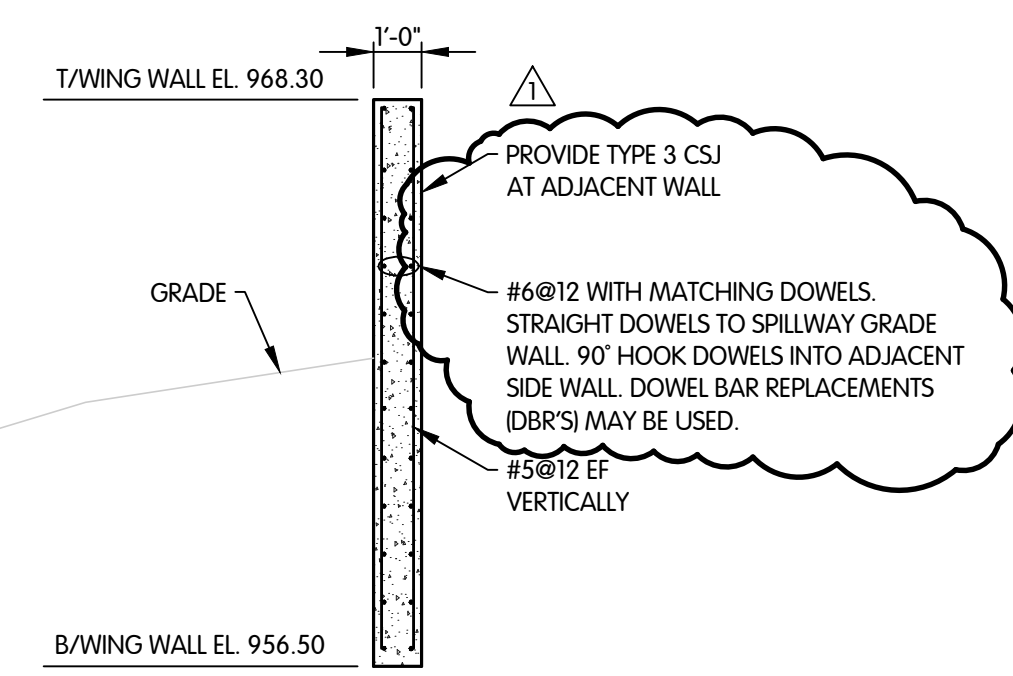


- NOTES:
- TOP OF AUGER REFUSAL IS INDICATE TO BE AT ELEVATION 939.4 AT BORING B-05-19 AND AT ELEVATION 957.2 AT BORING B-07-19 BY THE SOILS REPORT. ROCK SHALL BE EXCAVATED AS REQUIRED TO INSTALL THE SPILLWAY, SPILLWAY APPARATUS, DRAINS, RIPRAP AND BASE AGGREGATES. THE EXTENT OF THE ROCK TO BE REMOVED SHALL BE FIELD VERIFY BY THE CONTRACTOR.
 - THE CONTRACTOR SHALL GROUT SOLID THE ANNULAR SPACE BETWEEN THE ROCK AND THE FACES OF THE ADJACENT GRADE WALLS.
 - TYPE C WATERSTOP MAY BE USED TO BRIDGE THE GAP BETWEEN ALL TYPES OF WATERSTOPS AT THE JOINT INTERSECTIONS THAT ARE OUTSIDE OF THE MAIN SPILLWAY SLAB. THE SPILLWAY SLAB WATERSTOPS SHALL BE WELDED TOGETHER WITH THE WATERSTOP INTERSECTION UNITS. WATERSTOPS AT THE END OF EXPOSED JOINTS SHALL HAVE AT LEAST 3" CONCRETE COVER.

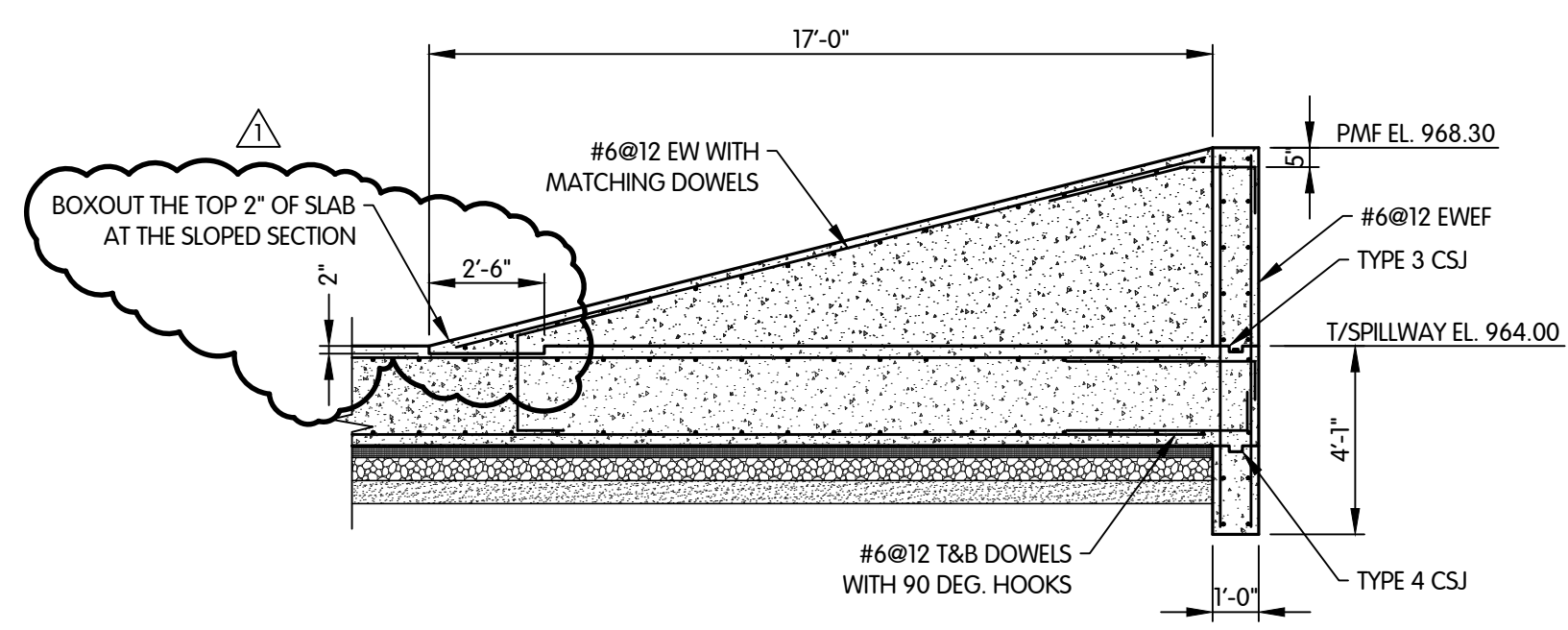
1 S-2 SPILLWAY STRUCTURE SECTION



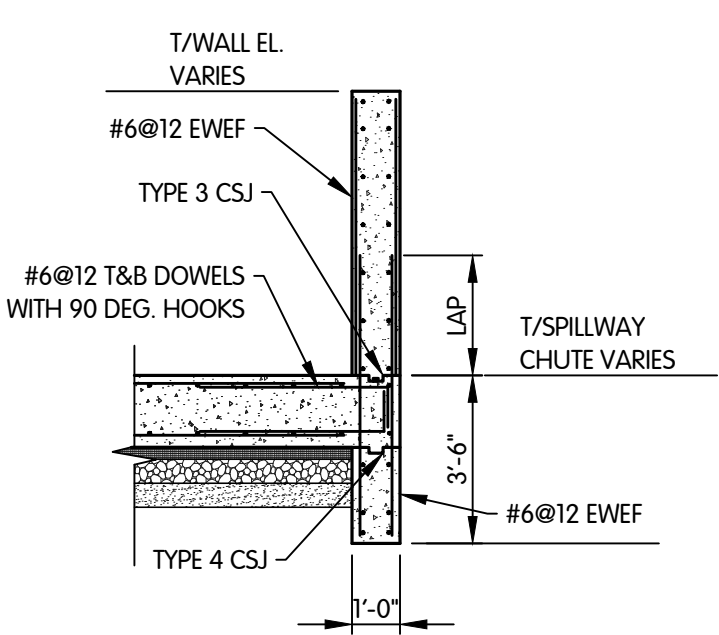
11 S-2 CUTOFF WALL DETAIL



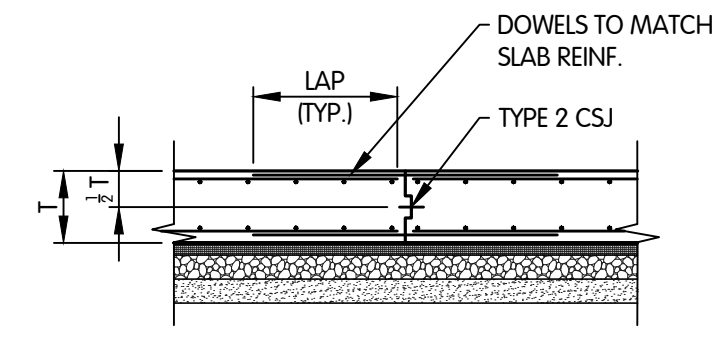
9 S-2 WING WALL DETAIL



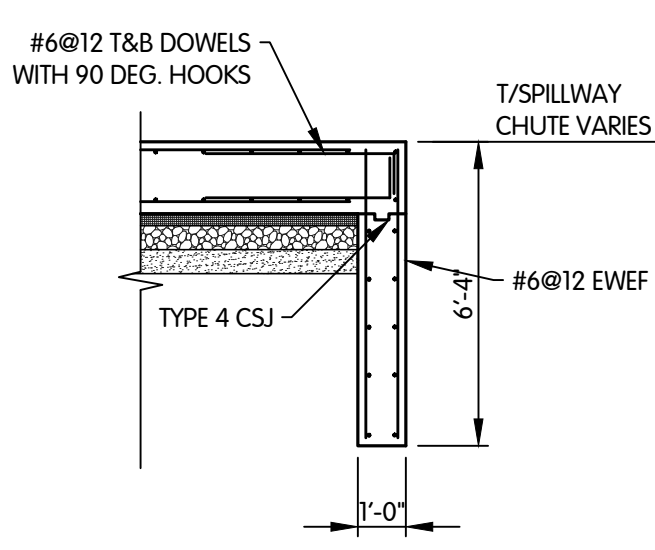
2 S-2 SIDE WALL SECTION AT TOP OF SPILLWAY



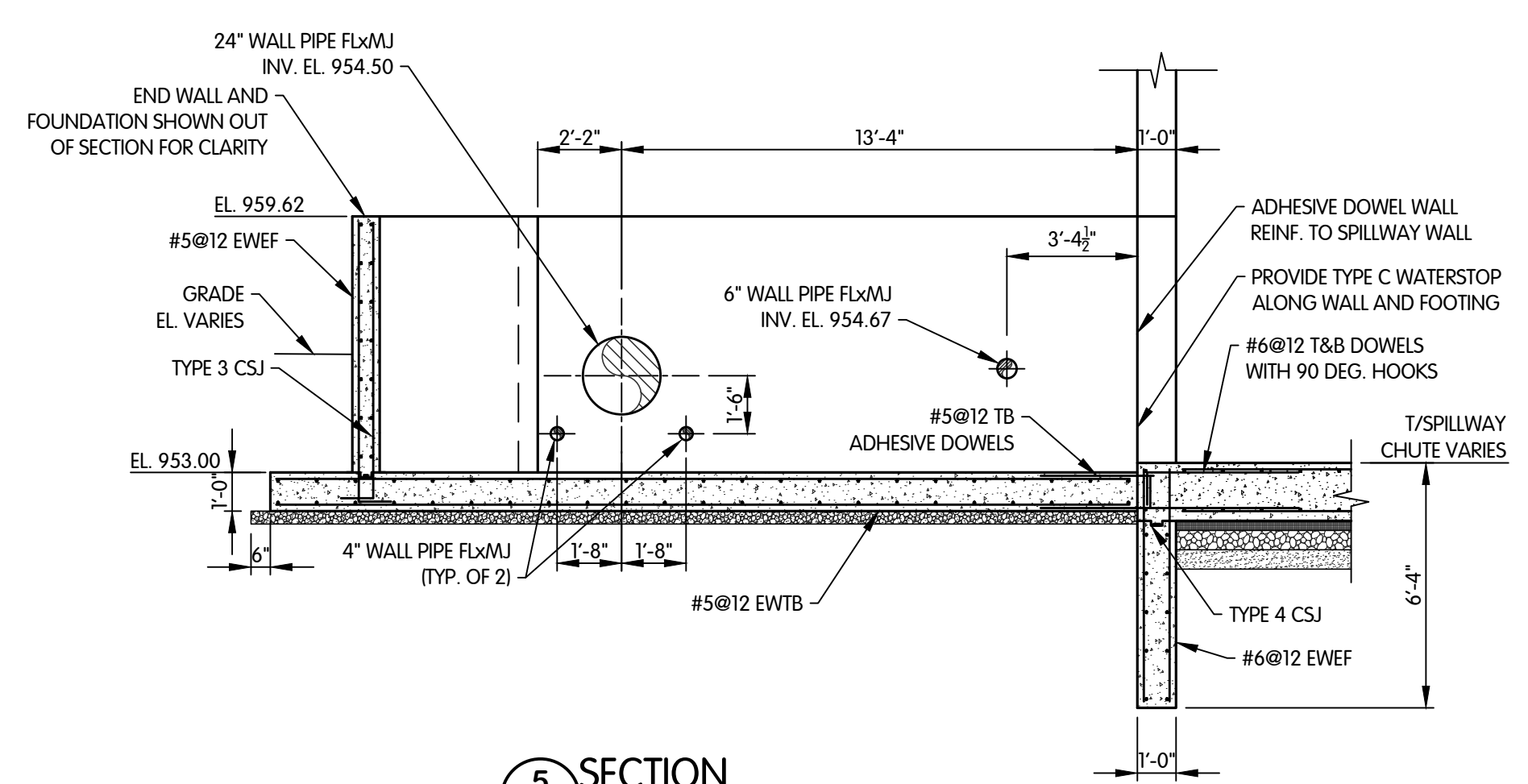
3 S-2 SECTION



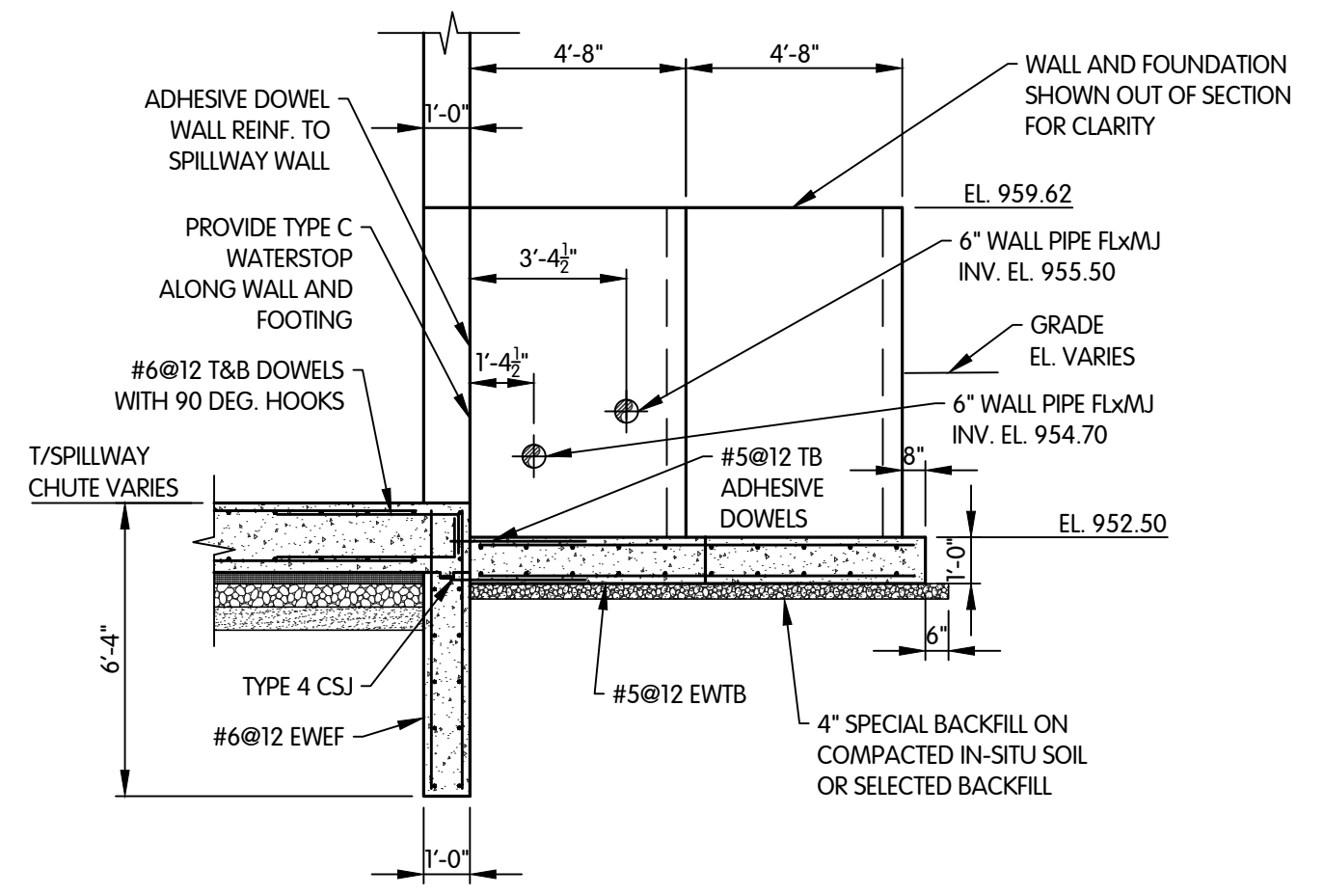
10 S-2 SPILLWAY SLAB VERTICAL CONSTRUCTION JOINT



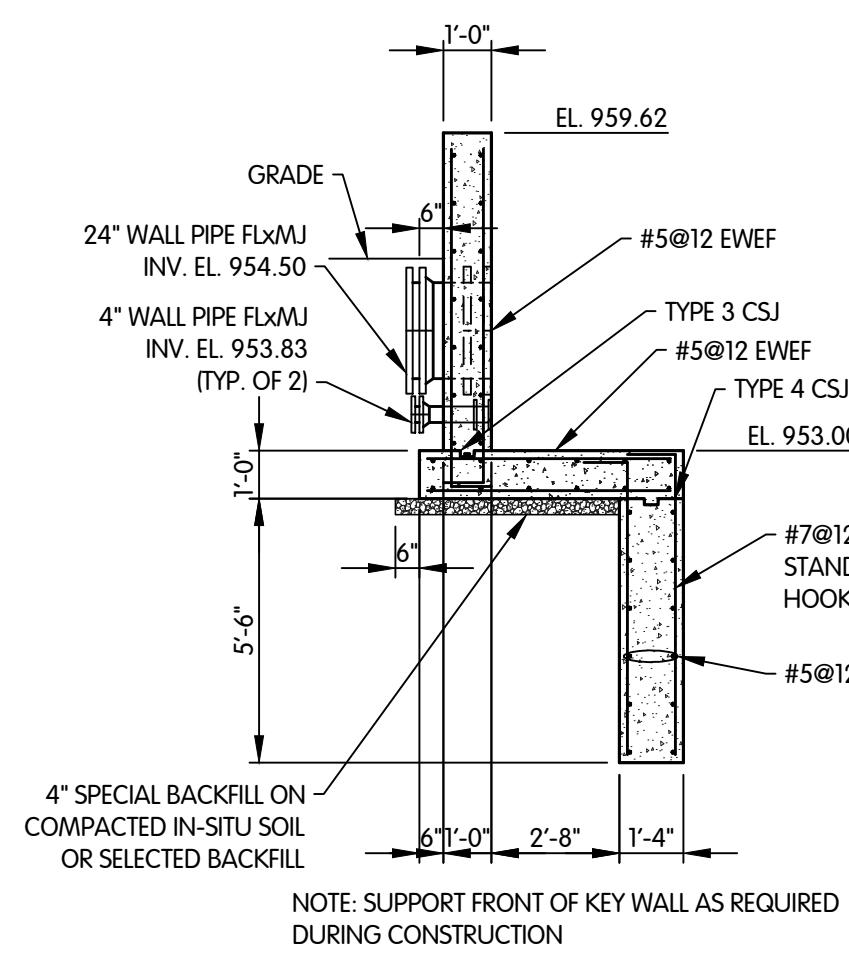
8 S-2 SECTION



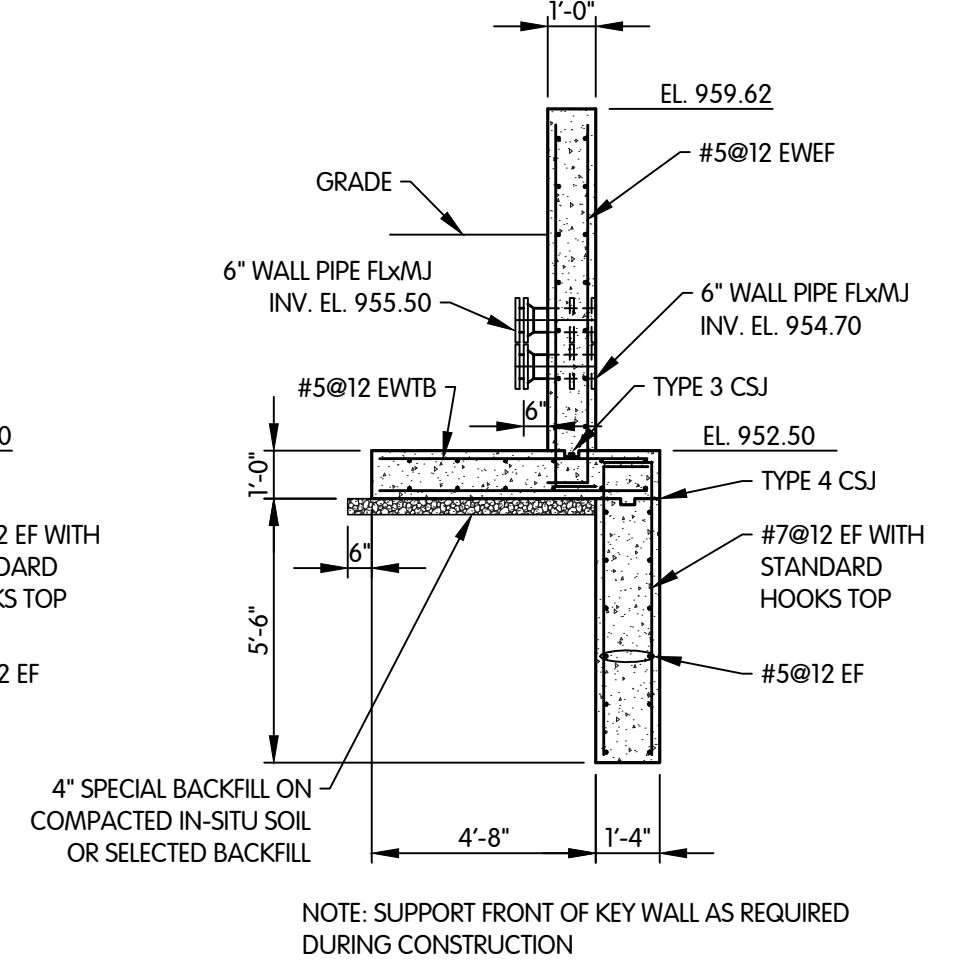
5 S-2 SECTION



7 S-2 SECTION



4 S-2 OUTLET AND DRAINAGE HEADWALL SECTION



6 S-2 DRAINAGE STRUCTURE SECTION