MAINE DEPARTMENT OF

INLAND FISHERIES AND WILDLIFE

ADDENDUM NO. 5

14-AUG-24

TO THE SPECIFICATIONS, PROPOSAL, CONTRACT AND BOND

FOR THE CONSTRUCTION OF

PHASE III FACILITY CONVERSION AT NEW GLOUCESTER STATE FISH HATCHERY

NEW GLOUCESTER, MAINE

CUMBERLAND COUNTY

BGS PROJECT NO.: 3289-312

SUBJECT:	**ADDENDUM NO. 5**
PROJECT:	Phase III Facility Conversion at New Gloucester State Fish Hatchery
TO:	Richard Parker - DIFW
FROM:	Andrew Gurski – HDR

This Addendum is issued to known individuals, firms or corporations holding Bidding Documents and Contract Documents for above listed project.

This Addendum is hereby made a portion of Bidding Documents and Contract Documents.

PART 1 - QUESTIONS AND ANSWERS

1. **QUESTION:** Spec section 43 22 71 paragraph 2.4 Floor Sink. I do not see where this is indicated on the drawngs.
   ANSWER: Refer to Sheet 04D-401.
   SOURCE: *Joe LaRose jlarose@gannestonconstruction.com Wed 7/17/2024 14:50*

2. **QUESTION:** There is a specification 09 77 61 Fiberglass Reinforced Plastic (FRP) Panels. I do not see where this applies on this project.
   ANSWER: There are no FRP panels on this project. Spec Section 09 77 61 can be removed.
   SOURCE: *Joe LaRose jlarose@gannestonconstruction.com Thu 6/27/2024 05:25*

3. **QUESTION:** Is using 26 ga metal siding and an R10 vinyl back insulation blanket for the insulation a qualified alternative to using insulated metal panel siding at the Effluent Treatment & Storage buildings?
   ANSWER: The Effluent Treatment Building is required to have walls with an insulation value of R-13.3ci. Metal siding with an exterior grade insulation system that meets the required R-value may be considered a qualified alternative.
   The storage building does not require insulation.
   SOURCE: *Joe LaRose jlarose@gannestonconstruction.com Thu 6/27/2024 05:25*

4. **QUESTION:** Addendum 3 clarifies that the Effluent Treatment & Storage Buildings are to receive the insulated metal panels specified in Section 07 42 14. The drawing in Part 3 calls for insulated metal wall panels over rigid insulation. Is the intent to provide strapping with rigid insulation on the CMU walls and then apply insulated metal panels over that? What would be the thickness of the rigid insulation? Please provide detail of intent.
   ANSWER: Yes. The intent is to use the rigid insulation to provide a continuous level of insulation. The thickness of the rigid insulation depends on the r-value of the insulated metal panels. Per IECC-2015, the walls of the Effluent Treatment Building are required to have a minimum r-value of 13.3ci. The mounting system for the metal panels is intended to be placed over the rigid insulation, and fastened back into the CMU wall through the rigid insulation.
   SOURCE: *Joe LaRose jlarose@gannestonconstruction.com Thu 8/1/2024 09:21*

5. **QUESTION:** What is required for the soffit panel and exterior trim at these locations?

ANSWER: The soffit panel and trim shall be a continuation of the wall panels used and shall be installed per the wall panel manufacturer standard installation details.
SOURCE: *Joe LaRose jlarose@gannestonconstruction.com Thu 8/1/2024 09:21*

6. **QUESTION:** The Effluent Treatment Building shows insulated metal wall panels over wood truss framing. The standing seam roofing specification does not specify an insulated panel. The Storage Building just says standing seam metal roof. Is this building roof getting insulated as well. Please clarify the intent of the standing seam metal roof/insulation system at both buildings.
   ANSWER: The storage building does not require insulation. The Effluent Treatment Building shall have blanket insulation of a thickness to achieve an r-value of R-49 located below the plywood sheathing and fit tightly between the wood truss framing. The standing seam metal roofing shall be applied over the sheathing and underlayment.
   SOURCE: *Joe LaRose jlarose@gannestonconstruction.com Thu 8/1/2024 09:21*

7. **QUESTION:** Are there any clearer details for the chain link bird netting installation? The drawing refer to spec section 32 31 13 CHAIN LINK FENCES AND GATES but this section does not specify this product/install requirements/etc.
   ANSWER: Refer to plans and specifications. Bird netting is a standard PVC coated chain link fence.
   SOURCE: *Joe LaRose jlarose@gannestonconstruction.com Fri 8/2/2024 04:44*

8. **QUESTION:** I don't see any masonry reinforcing bar sizes specified.
   ANSWER: Rebar for CMU walls shall be #5 bars spaced @ 48" OC per Detail 4/00S-104.
   SOURCE: *Joe LaRose jlarose@gannestonconstruction.com Fri 8/2/2024 06:17*

9. **QUESTION:** Do you know the anticipated duration to issue a contract to allow us to start the work on site?
   ANSWER: After bids have been received there will be a 4 week period to execute contract documents.
   SOURCE: *Joe LaRose jlarose@gannestonconstruction.com Fri 8/9/2024 04:27*

10. **QUESTION:** The signage specification states certain signs where indicated on the drawing: Ex: Concealed Spaces, etc. but I don't see any indicated.
    ANSWER: No new signs are anticipated to be installed.
    SOURCE: *Joe LaRose jlarose@gannestonconstruction.com Fri 8/9/202 04:27*

11. **QUESTION:** Is Stergis Window & Door an acceptable Aluminum Window manufacturer?
    ANSWER: There are no objections to Stergis Window & Door as an acceptable manufacturer, as long as the products comply with the requirements listed in specifications section 08 51 13.
    SOURCE: *Joe LaRose jlarose@gannestonconstruction.com Fri 8/9/2024 04:42*

12. **QUESTION:** Please clarify the acquisition & disposal of testing water specified to be coordinated with Hatchery Manager. Is the testing water supplied by the owner?
    ANSWER: Water used for testing of new hatchery components can be obtained from on-site wells or from the filling station at the reservoir. Water used for testing can then be drained into the West Raceway or Brook providing no chemicals or additives are added during the testing process.

SOURCE: *Joe LaRose jlarose@gannestonconstruction.com Fri 8/9/2024 05:31*

13. **QUESTION:** Is the contractor required to provide and separately meter for temporary power & lighting for the project?
    ANSWER: Temporary equipment and connections shall be provided by contractor when applicable. Owner shall pay all necessary electrical charges.
    SOURCE: *Joe LaRose jlarose@gannestonconstruction.com Fri 8/9/2024 10:09*

PART 2 – PROJECT MANUAL UPDATES

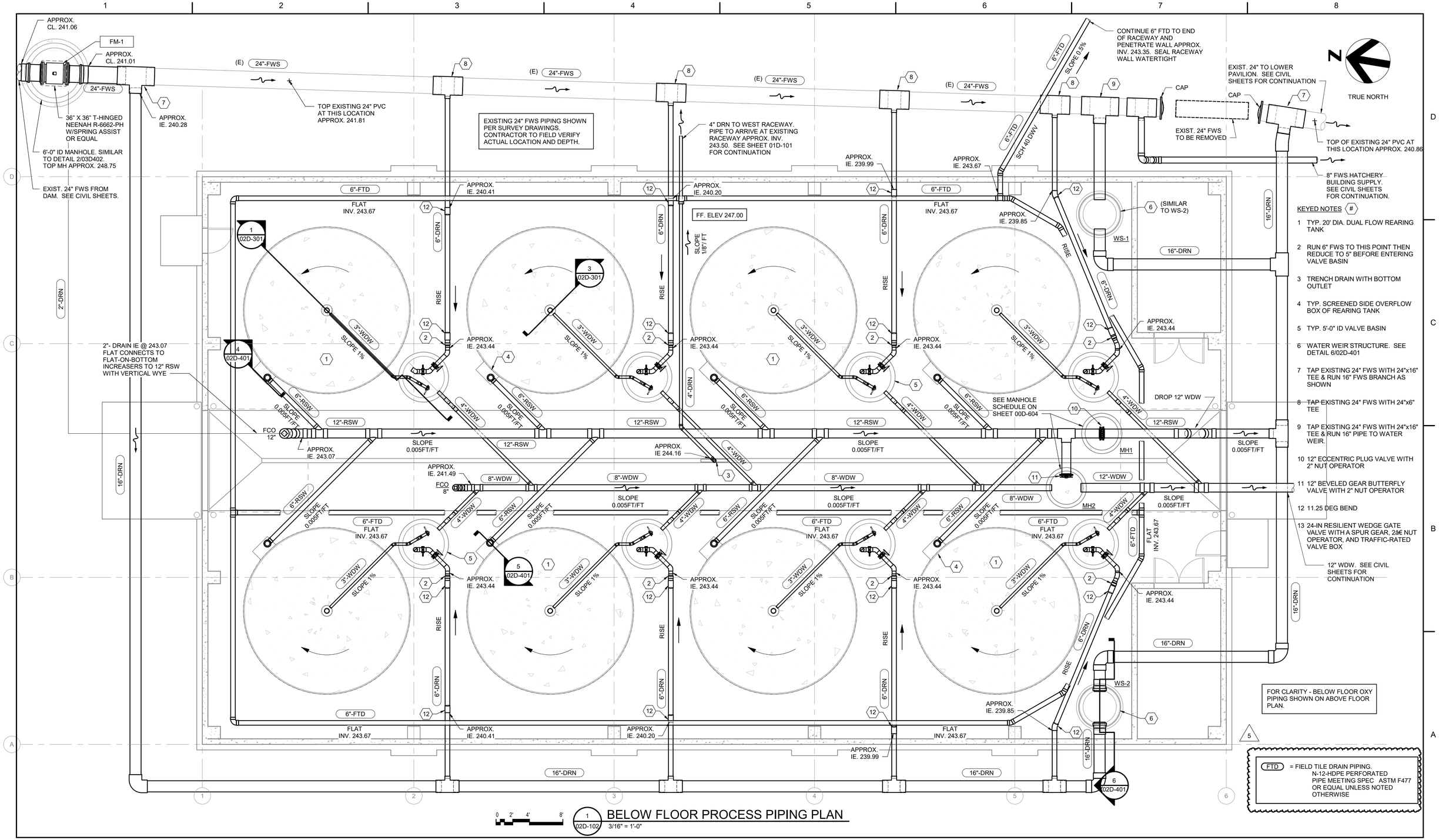
14. **DIVISION 33**
    a. **SECTION 33 05 16**
        i. **Part 2.2 ADD** "Part G. Except where Drawings specifically describe other, seal all pipe penetrations 4 inch diameter and larger in manhole with replaceable rubber boot seals with stainless steel clamps and stainless steel mechanically expanding bands such as Press-Seal PSX Direct Drive or Kor-N-Seal. Seals for 2" pipe shall be equal to A-Lok X-Cel 9091 Series."
15. **DIVISION 46**
    a. **SECTION 46 43 22**
        i. **Part 2.2, A: ADD** "Part 7. Influent pipe shall be coated and lined steel/stainless steel, schedule 80 PVC, or fiberglass reinforced plastic."
16. **DIVISION 40**
    a. **SECTION 40 05 52**
        i. **Part 2.7, B: ADD** "Part 1. Vertical pressure relief valve shall open at 9 IN of unseating head differential"

PART 3 -DRAWING UPDATES

17. **SHEET 00S-102**
    a. **Detail 6:**
        i. **CHANGE:** "6 INCH UNO" TO "1 FOOT UNO"
        ii. **CHANGE:** For the Dimension located immediately above the aforementioned dimension, "1 FOOT" TO "6 INCH"
18. **SHEET 00D-603**
    a. **CHANGE:** PIPE LEGEND - For PWW (Pumped Waste Water), "6" TO "6 or 7" for Exposed pipe, Buried pipe, and Underslab pipe
19. **SHEET 00M-601**
    a. **REMOVE:** Schedule of Exhaust Fans Note 3 – "Thermal overloads in motor or factory mounted disconnect"
    b. **REMOVE:** Schedule of Exhaust Fans Note 2 - "Factory"
20. **SHEET 02D-102 (ATTACHED)**
    a. **REPLACE SHEET:** Added 6"-FTD (FIELD TILE DRAIN)
21. **SHEET 02D-301 (ATTACHED)**
    a. **CHANGE: DETAIL 3**
22. **SHEET 03D-102 (ATTACHED)**
    a. **REPLACE SHEET:** Added 6"-FTD (FIELD TILE DRAIN)

23. **SHEET 03D-301 (ATTACHED)**
    a. **CHANGE: DETAIL 3**
24. **SHEET 04S-304**
    a. **ADD:** GENERAL NOTE "ADD 3, EQUALLY SPACED, 6 INCH HORIZONTAL PRESSURE RELIEF VALVES INTO OUTER MOST WALL OF CLARIFIER"
25. **SHEET 04S-306**
    a. **REMOVE:** Detail B Callout - "THICKEN TANK BASE SLAB PIPE ELBOW LOCATION, SEE DETAIL"
    b. **REMOVE:** Detail 1 and Detail 2
    c. **ADD:** Sludge Storage Tank Plan Notes - "ADD 3, EQUALLY SPACED, 6 INCH HORIZONTAL PRESSURE RELIEF VALVES INTO OUTER MOST WALL OF CLARIFIER"

END OF ADDENDUM 5



KEYED NOTES (#)

1. TYP. 20' DIA. DUAL FLOW REARING TANK
2. RUN 6" FWS TO THIS POINT THEN REDUCE TO 5" BEFORE ENTERING VALVE BASIN
3. TRENCH DRAIN WITH BOTTOM OUTLET
4. TYP. SCREENED SIDE OVERFLOW BOX OF REARING TANK
5. TYP. 5'-0" ID VALVE BASIN
6. WATER WEIR STRUCTURE. SEE DETAIL 6/02D-401
7. TAP EXISTING 24" FWS WITH 24"x16" TEE & RUN 16" FWS BRANCH AS SHOWN
8. TAP EXISTING 24" FWS WITH 24"x6" TEE
9. TAP EXISTING 24" FWS WITH 24"x16" TEE & RUN 16" PIPE TO WATER WEIR.
10. 12" ECCENTRIC PLUG VALVE WITH 2" NUT OPERATOR
11. 12" BEVELED GEAR BUTTERFLY VALVE WITH 2" NUT OPERATOR
12. 11.25 DEG BEND
13. 24-IN RESILIENT WEDGE GATE VALVE WITH A SPUR GEAR, 2â€ NUT OPERATOR, AND TRAFFIC-RATED VALVE BOX

12" WDW. SEE CIVIL SHEETS FOR CONTINUATION

0 2' 4' 8'

1 / 02D-102 BELOW FLOOR PROCESS PIPING PLAN

3/16" = 1'-0"

ISSUE	DATE	DESCRIPTION
5	08/14/2024	ADD. 5
	05/03/2024	ISSUED FOR BID

PROJECT MANAGER	ANDREW GURSKI
CIVIL	J. GAGNON
STRUCTURAL	B. BRADLEY
ARCHITECTURAL	M. BASKIN
PROCESS	J. CHANDLER
MECHANICAL	J. CHANDLER
ELECTRICAL	A. KANER
PROJECT NUMBER	10353741

NEW GLOUCESTER STATE FISH HATCHERY

Phase III Facility Conversion

UPPER PAVILION BELOW FLOOR PROCESS PIPING PLAN

0 1" 2"

FILENAME 10353741-02-D.rvt

SCALE 3/16" = 1'-0"

SHEET 02D-102

5

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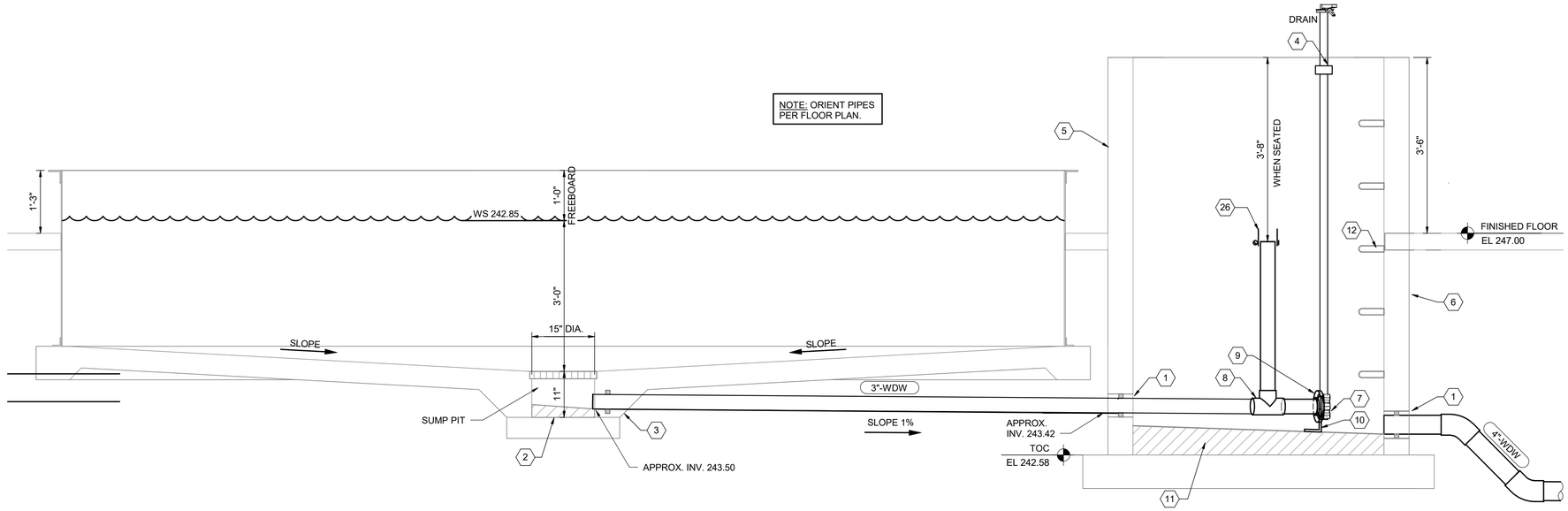


0 6" 1' 2'

1 02D-102 TANK DRAIN PIPING SECTION

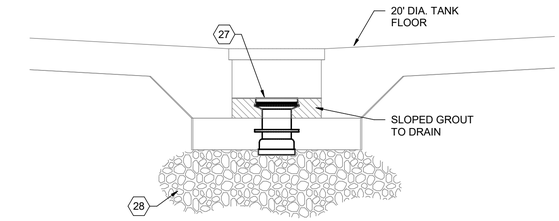
3/4" = 1'-0"

0 6" 1' 2'

2 02D-101 TANK SUPPLY PIPING SECTION

3/4" = 1'-0"

5



0 6" 1' 2'

3 02D-301 PAVILION HYDROSTATIC PRESSURE RELIEF SECTION

1" = 1'-0"

KEYED NOTES

1 LINKAGE TYPE SEAL

2 SLOPE GROUT TO DRAIN

3 FIELD APPLIED NON-SWELLING WATERSTOP

4 GALV. OR SS VALVE & NECK SUPPORT 2" CLEAR BELOW MANHOLE RIM FOR EACH VALVE

5 VALVE BASIN

6 TOPLESS MANHOLE WITH STEPS & CLEAN, SMOOTH OVER SURFACE

7 BUTTERFLY VALVE WITH STEM & NECK EXTENSION

8 SCH 40 PVC TEE SHOWN WITHOUT UPSTREAM 30 DEGREE BEND FOR CLARITY. INCLUDE BEND & ORIENTATE PER PLANS ON SHEET 02D-401.

9 PVC ONE-PIECE SOCKET FLANGE

10 SUPPORT FLANGE OR PIPE TO GROUT W/ SS HARDWARE

11 GROUT SLOPED ALL AROUND TO DRAIN

12 MANHOLE STEPS

13 CERAMIC OXYGEN DIFFUSER

14 9" LENGTH OF 2" SCH 40 PVC

15 EXPANSION PLUG

16 TANK ADAPTER: SCH 80 PVC BULKHEAD WITH AT LEAST 8.75" O.D. BODY (FPT TOWARD TANK) & 6"x5" REDUCING BUSHINGS BOTH SIDES

17 WEATHERPROOF GEAR OR LEVER WITH AT LEAST 13 POSITIONS WITHOUT WING NUTS & WITHOUT SET SCREWS

18 BRACKET MOUNTED THORPE STYLE OXYGEN METER (0-7 SLPM) WITH TOP 1" B.T.O.C., SHOWN ON OPPOSITE SIDE FOR CLARITY, LOCATE PER PLAN

19 HOSE TO OXY DIFFUSER

20 TYP. PIPE PENETRATION THRU FLOOR

21 CONNECT ISOLATION BALL VALVE TO METER WITH ADAPTERS AND HOSE OR COPPER PIPE

22 1" OXY MAIN APPROX. 21" BELOW FLOOR

23 BUTTERFLY VALVE (FISH TANK SUPPLY VALVE)

24 CURBSTOP VALVE WITH SEMI-PERMANENT SQUARE OPERATOR FROM WINTERIZATION/DRAIN

25 5" PVC SADDLE TAP W/ 1" SIGHT GLASS.

26 ELASTOMERIC COUPLING

27 4" FLOOR MOUNTED HYDROSTATIC PRESSURE RELIEF VALVE EQUAL TO PENN-TROY A2550RSN/4

28 MINIMUM 2'-6"x2'-6"x2'-6" CLEAN CRUSHED STONE WRAPPED IN GEOTEXTILE FABRIC CENTERED ON PRESSURE RELIEF VALVE PIPE

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NEW GLOUCESTER STATE FISH HATCHERY

Phase III Facility Conversion

UPPER PAVILION TANK SECTIONS

0 1" 2"

FILENAME 10353741-02-D.rvt

SCALE As indicated

SHEET 02D-301

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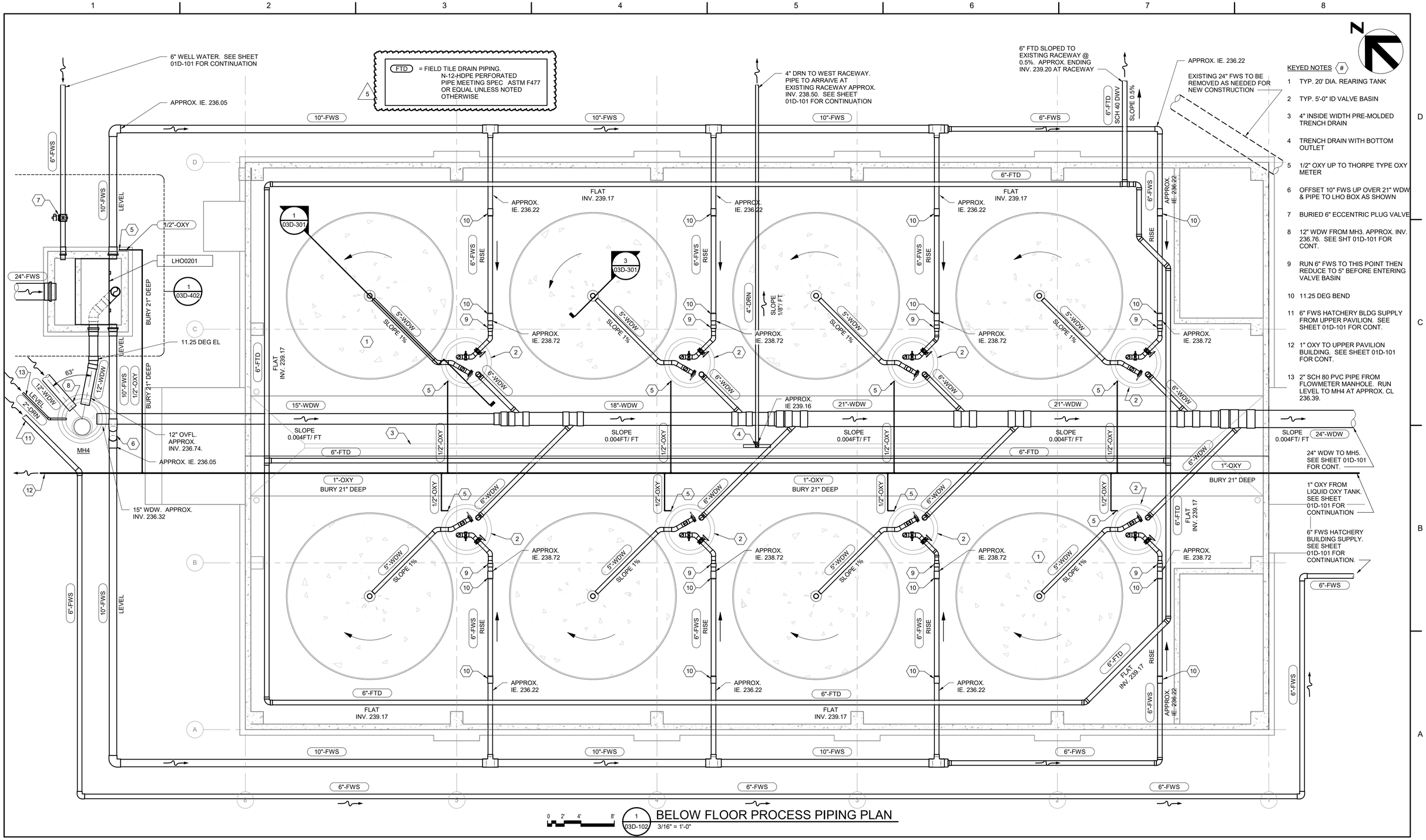

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NEW GLOUCESTER STATE FISH HATCHERY

Phase III Facility Conversion

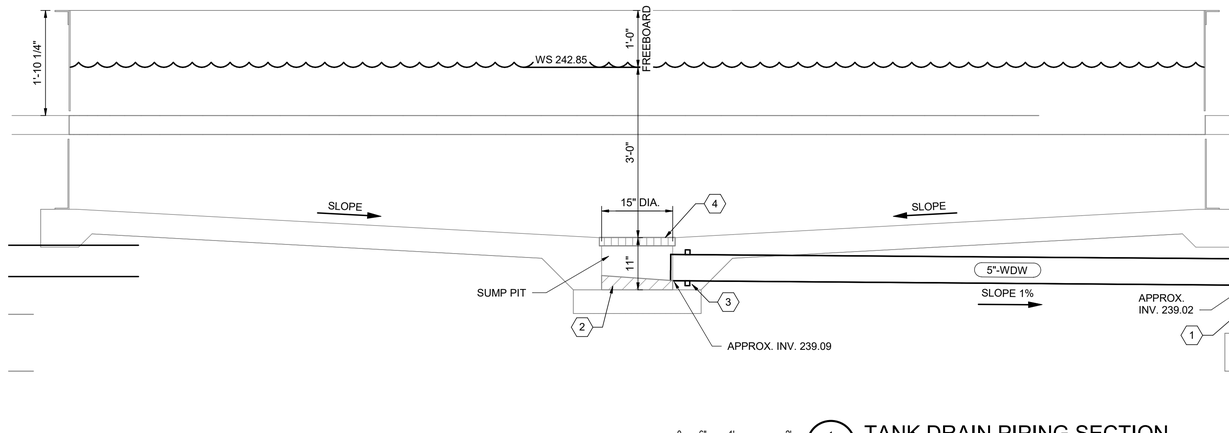
LOWER PAVILION
BELOW FLOOR PROCESS PIPING PLAN

0 1" 2"

FILENAME	10353741-03-D.rvt
SCALE	3/16" = 1'-0"

SHEET 03D-102

5



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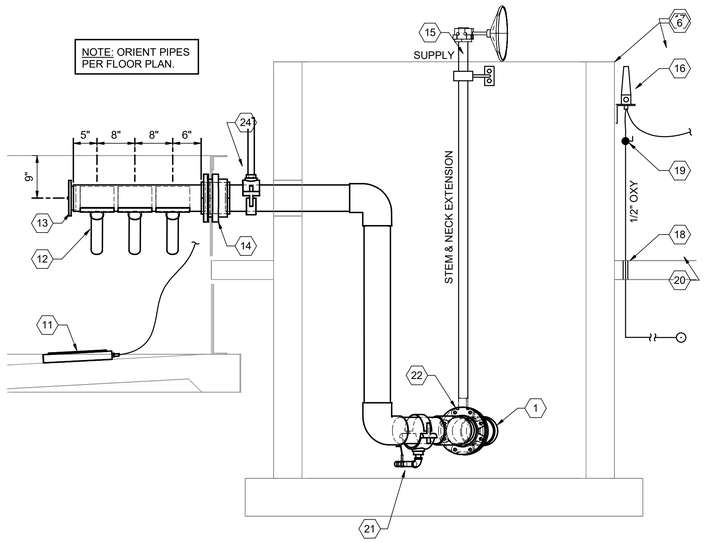

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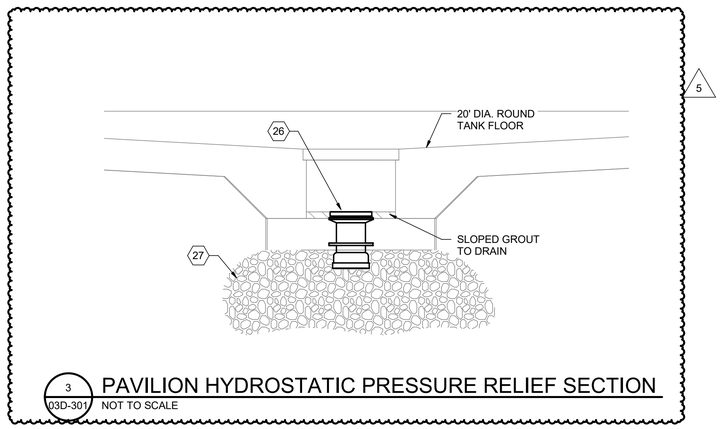

3 / 03D-301 PAVILION HYDROSTATIC PRESSURE RELIEF SECTION

NOT TO SCALE

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2 SLOPE GROUT TO DRAIN

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4 FISH SCREEN PER STRUCTURAL SHEETS

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LOWER PAVILION TANK SECTIONS

0 1" 2"

FILENAME 10353741-03-D.rvt

SCALE As indicated

SHEET **03D-301**

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