MAINE DEPARTMENT OF

INLAND FISHERIES AND WILDLIFE

ADDENDUM NO. 5

01-SEP-23

TO THE SPECIFICATIONS, PROPOSAL, CONTRACT AND BOND

FOR THE CONSTRUCTION OF

IMPROVEMENTS AT GRAND LAKE STREAM STATE FISH HATCHERY
GRAND LAKE STREAM, MAINE

WASHINGTON COUNTY

BGS PROJECT NO.: 3289-14

BID DATE: 07 SEPTEMBER 2023

SUBJECT:	**ADDENDUM NO. 5**
PROJECT:	Improvements at Grand Lake Stream State Fish Hatchery
DATE:	Friday, September 01, 2023
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.

QUESTIONS AND ANSWERS

1. **QUESTION:** Does the new clarifier need to be put on line before the existing clarifier is demolished?
   ANSWER: DIFW understands there will be a period of time when there will be no clarifier to settle fish wastes while the hatchery remains in operation. This will require alternative raceway cleaning methods (ie. vacuuming wastes onto a truck) by DIFW staff once the clarifier goes offline. DIFW asks that the contractor limit this period of time to the extent possible while conducting necessary construction activities and communicate timing of needed closure well in advance.
   SOURCE: *Mark McPheters <mark@tbuckconstruction.net Tue 8/29/2023 09:44*

2. **QUESTION:** Does the entire foundation, walls and floor, of the existing clarifier need to be removed? That excavation was wet and deep and will be expensive to completely remove. I don't believe the effluent building is nearly as deep as the clarifier.
   ANSWER: Contractor shall completely removal all items associated with the existing clarifier.
   SOURCE: *Mark McPheters <mark@tbuckconstruction.net Monday, August 28, 2023 4:17 PM*

3. **QUESTION:** Pipe type 'DRN' is not listed in pipe schedule
   ANSWER: DRN function is PVC, schedule 40, ASTM D1785 with normal impact, socket solvent welded joints.
   SOURCE: *Mark McPheters <mark@tbuckconstruction.net Wed 8/30/2023 13:52*

SPECIFICATION UPDATES

4. **SECTION 00 22 13 INSTRUCTIONS TO FILED SUB-BIDDERS**
   REMOVED: Removed Section from Construction Manual

5. **SECTION 31 23 33 – TRENCHING, BACKFILLING AND COMPACTING FOR UTILITIES**
   a. **Part 2.1, A., 1.: Delete** "and not within 16' of pond rims."
   b. **Part 2.1, A.: Delete** all of 2.
   c. **Part 2.1, A., 3.: Delete** "within 16-feet of a pond water surface."

d. **Part 2.1, C.: Replace 1, 2 and 3 With** "Class II Poorly Graded Sand (SP) or Well Graded Sand (SW) per ASTM D2321, compacted to no less than 85% Standard Proctor Density."

6. **SECTION 40 05 52 – MISCELLANEOUS VAVLES**
   a. PART 2.5, ADD: B. "Mud valves shall be provided with 4 foot stem extension supported by a 1 foot wall mounted bracket to the nearest wall".
7. **SECTION 40 60 05 – SLUICE & SLIDE GATES AND METAL STOP LOGS**
   a. PART 1.1, REMOVE: PART A.
   b. PART 1.1, B, REMOVE: PART 3.
   c. REMOVE PARTS 2.2, 2.3, 2.4, 2.5, and 2.6 because they are described is section 40 05 52.

DRAWING UPDATES

8. **SHEET 00S-601: STRUCTURAL SCHEDULES**
   UPDATE: DELETE WHOLE SHEET

9. **SHEET 00D-602: PROCESS SCHEDULES 1**
   UPDATE: DRUMFILTER SCHEDULE, BYPASS WEIR LENGTH PER SIDE: Change "3 FT" to "4.5 ft."

10. **SHEET 02S-102: UPPER PAVILION FRAMING PLAN**
    UPDATE: Sheet was updated to add additional details for storage room ceiling. See attached drawing.

11. **SHEET 03S-102: LOWER PAVILION FRAMING PLAN**
    UPDATE: Sheet was updated to add additional details for storage room ceiling. See attached drawing.

12. **SHEET 02D-401: UPPER PAVILION ENLARGED PLAN & DETAILS**
    a. **UPDATE:** REPLACE "2-½ INCH ALUMINUM WEIR BOARD GUIDES W/ EPOXY RESIN INSULATING THE ALUMINUM FROM THE CONC. MANHOLE" WITH "PROVIDE METAL STOP LOG SYSTEM, 9 FEET TALL WITH EIGHTEEN SIX-INCH LOGS NOMINALLY 4 FEET LONG AND GUIDES ADAPTED TO CURVED WALLS"
    b. **UPDATE:** REPLACE "2 FT –0 IN" WITH "3 FT –0 IN"

13. **SHEET 01D-101: OVERALL SITE PIPING PLAN, KEYNOTE 2**
    REPLACE: "PROVIDE ¾" VALVE & CAP FOR FUTURE USE." WITH "PROVIDE ¾" INSOLATION VALVE WITH OXYGEN METER AS SCHEDULED ON SHEET 00D-603"

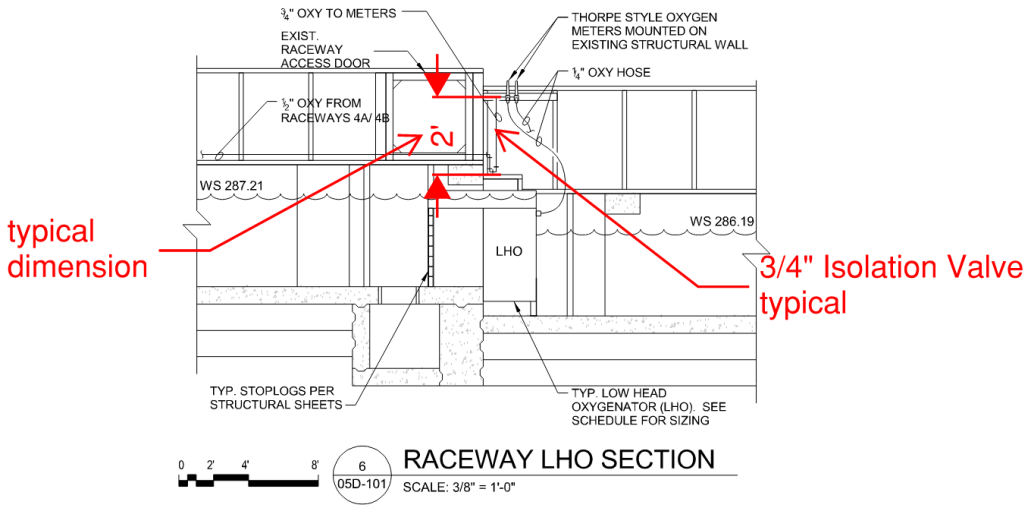
14. **SHEET 05D-101: EXISTING RACEWAY LHO PIPING PLAN AND SECTIONS**
    a. **UPDATE:** SECTION 6, REPLACE: "TYPICAL STOPLOGS PER STRUCTURAL SHEETS" with "FOUR 2 INCH X 6 INCH X 63 INCH X ¼ INCH ALUMINUM C-CHANNELS AND ONE 2 INCH X 3 INCH X 63 INCH ALUMINUM C-CHANNEL". (These are NOT metal stop log systems as described in Specification Section 40 60 05.)
    b. **UPDATE:** SECTION 5, REPLACE: "TYPICAL STOPLOGS PER STRUCTURAL SHEETS" with "FOUR 2 INCH X 6 INCH X 63 INCH x ¼ inch ALUMINUM C-CHANNELS AND ONE 2 INCH X

3 INCH X 63 INCH ALUMINUM C-CHANNEL". (These are NOT metal stop log systems as described in Specification Section 40 60 05.)

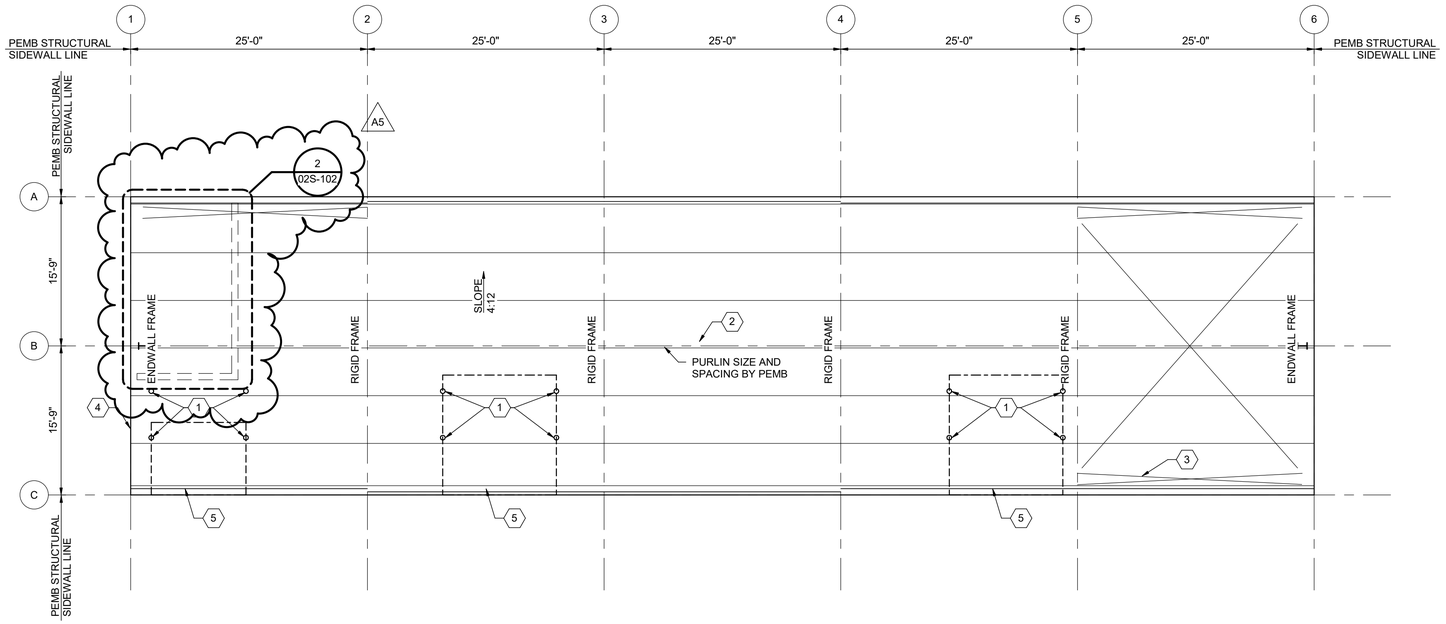
c. **UPDATE:** SECTION 4, REPLACE: "TYPICAL STOPLOGS PER STRUCTURAL SHEETS WITH FIVE 2 INCH X 6 INCH X 63 INCH x ¼ inch ALUMINUM C-CHANNELS". (These are NOT metal stop log systems as described in Specification Section 40 60 05.)

d. **ADD:** TYPICAL ¾" ISOLATION VALVE ON ¾" OXYGEN LINE, UPSTREAM OF OXYGEN METERS.

e. **ADD:** Typical 2' dimension between floor and oxygen flow meters. See image below and attached drawing.

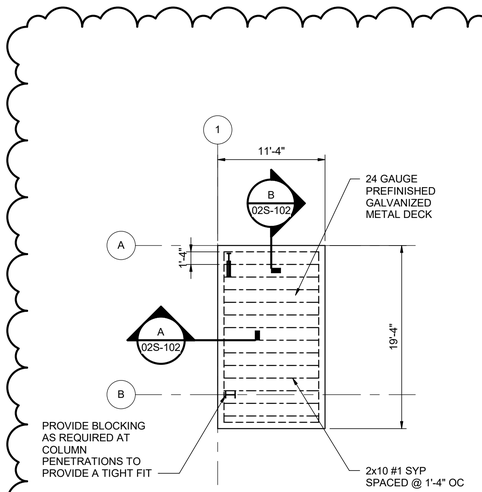


15. **SHEET 04D-404: SLUDGE STORAGE PROCESS PIPING PLAN & DETAILS, SECTION 2**
REPLACE: "24-IN ID MINIMUM HINGED & LOCK HASPED HATCH FOR CLEAR ACCESS INTO TANK" WITH "30-IN X 30-IN MINIMUM HINGED & LOCK HASPED HATCH FOR CLEAR ACCESS INTO TANK" See attached drawing.



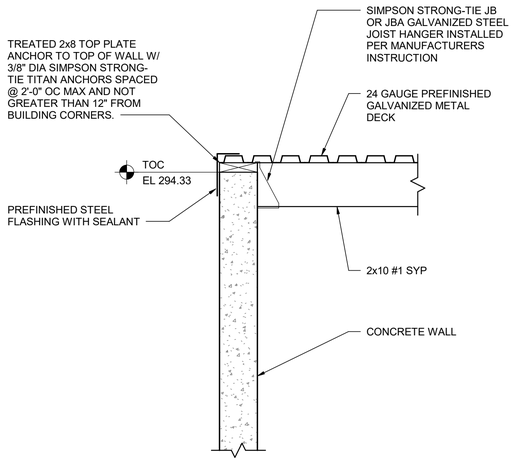
ROOF FRAMING PLAN

1/8" = 1'-0"



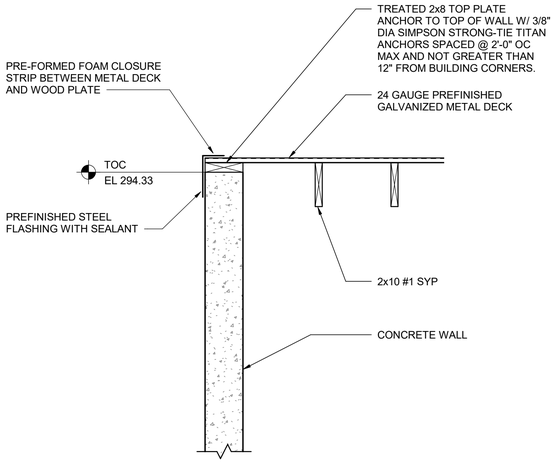
STORAGE ROOM CEILING FRAMING PLAN

2 / 02S-102 — 1/8" = 1'-0"



SECTION

A / 02S-102 — 3/4" = 1'-0"



SECTION

B / 02S-102 — 3/4" = 1'-0"

A5

PLAN NORTH

GENERAL NOTES:

1. SEE SHEET 00S-001 FOR DESIGN STANDARDS AND BUILDING CODE INFORMATION.
2. SEE SHEET 00S-001 FOR DESIGN LOADS.
3. PIER CONFIGURATIONS ARE AS INDICATED ON SHEET 02S-302. IF THESE CONFIGURATIONS ARE NOT COMPATABLE TO THE PEMB DESIGN THE GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SUCH THAT MODIFICATIONS CAN BE MADE PRIOR TO PIER REINFORCEMENT FABRICATION AND CONSTRUCTION.
4. GENERAL ASSUMPTIONS HAVE BEEN MADE BY THE STRUCTURAL ENGINEER FOR THE FOUNDATION DESIGN. THE GENERAL CONTRACTOR AND PEMB SHALL SUBMIT FRAME REACTIONS TO THE ENGINEER FOR VIERIFICATION WITH THE FOUNDATIONS SHOWN. ADJUSTMENTS MAY BE REQUIRED IN THE FIELD PRIOR TO CONSTRUCTION. ANY CHANGES REQUIRED SHALL BE MADE AT NO ADDITIONAL COST TO THE PROJECT.
5. FRAME REACTIONS AND ANCHOR BOLT SETTING PLAN SHALL BE SUBMITTED TO THE ENGINEER CONCURRENTLY WITH THE CONCRETE REINFORCEMENT SHOP DRAWINGS FOR REVIEW AND APPROVAL. ANY CHANGES REQUIRED SHALL BE MADE AT NO ADDITIONAL COST TO THE PROJECT.
6. THE PEMB SHALL DESIGN ALL ANCHOR BOLTS. ANCHOR BOLT SIZES SHALL BE FURNISHED TO THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ANCHOR BOLTS.
7. ALL RIGID FRAMES SHALL HAVE PINNED CONNECTIONS TO THE FOUNDATION.
8. COLUMN BASE PLATES SHALL BE LEVELED WITH LEVELING NUTS OR SHIMS AND GROUTED SOLID WITH 2" NON-SHRINK GROUT.
9. PEMB AND CONTRACTOR SHALL PROVIDE BRACING AS NECESSARY TO MAINTAIN FLAT AND LEVEL GIRTS DURING BUILDING ERECTION.

KEYNOTES: (#)

1. DENOTES APPROXIMATE POINT LOAD LOCATIONS FOR OVERHEAD DOOR TRACK. GENERAL CONTRACTOR SHALL COORDINATE WEIGHT AND LOCATION WITH PRE-ENGINEERED METAL BUILDING MANUFACTURER.
2. PURLIN SIZE, SPACING AND MATERIAL PROVIDED BY PEMB.
3. ANTICIPATED LOCATION OF CROSS BRACING IN ROOF AND WALLS.
4. MANDOOR FRAMING PROVIDED AND INSTALLED BY PEMB.
5. OVERHEAD DOOR FRAMING PROVIDED AND INSTALLED BY PEMB.

ISSUE	DATE	DESCRIPTION
A5	08/31/2023	ADDENDUM 5
	07/14/2023	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	10357686

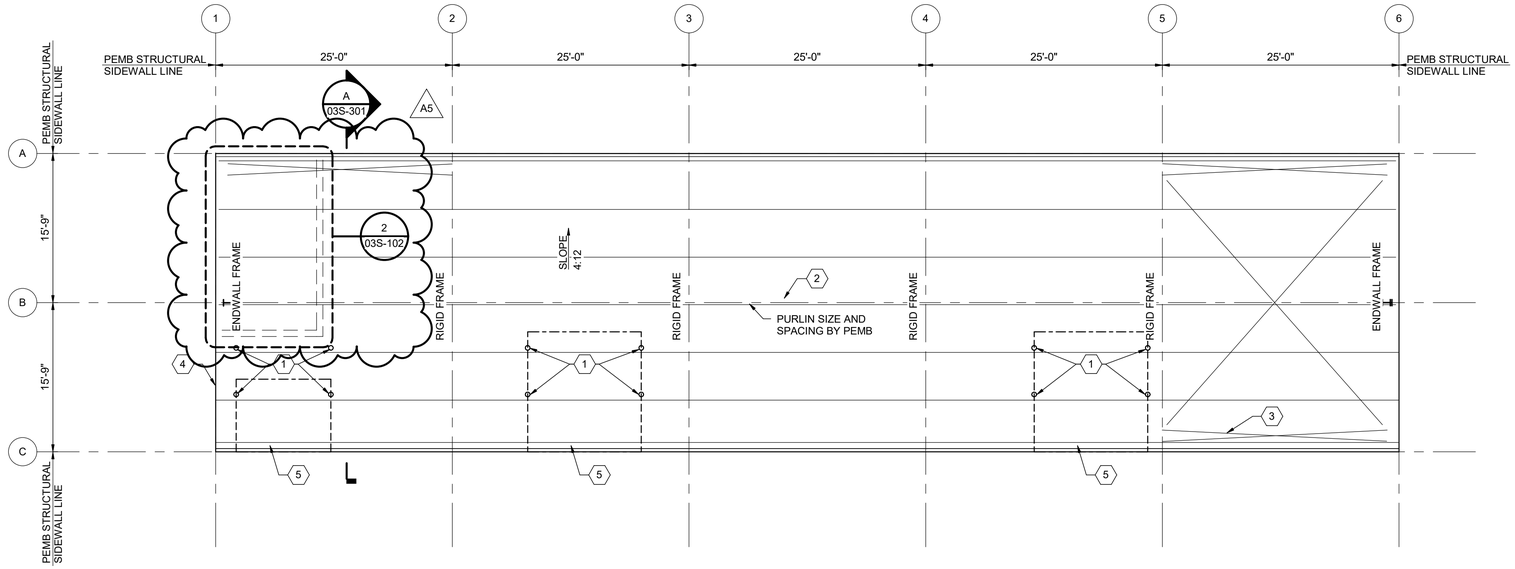
IMPROVEMENTS AT GRAND LAKE STREAM STATE FISH HATCHERY

UPPER PAVILION FRAMING PLAN

0 1" 2"

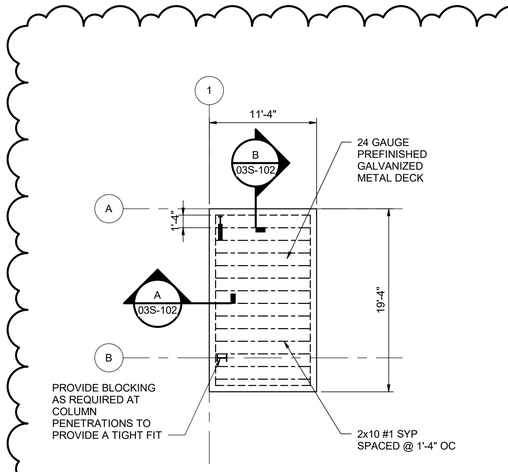
FILENAME	10353741-02-S.rvt
SCALE	As indicated

SHEET 02S-102



ROOF FRAMING PLAN

1/8" = 1'-0"



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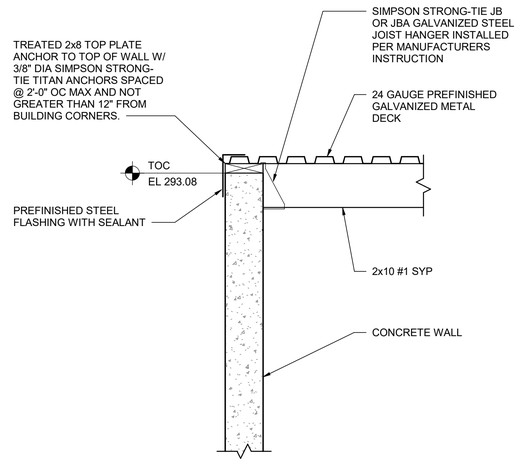

A / 03S-102 SECTION

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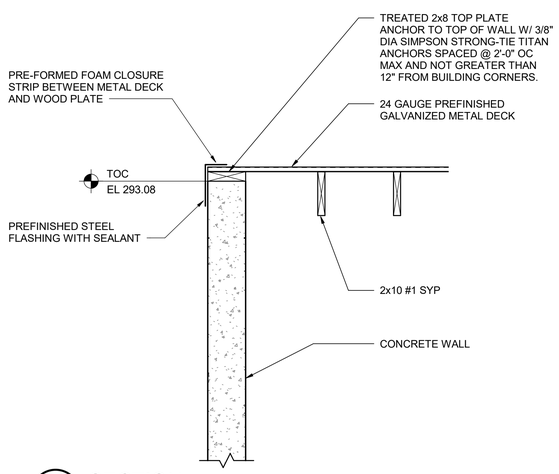

B / 03S-101 SECTION

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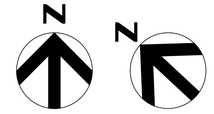
A5



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IMPROVEMENTS AT GRAND LAKE STREAM STATE FISH HATCHERY

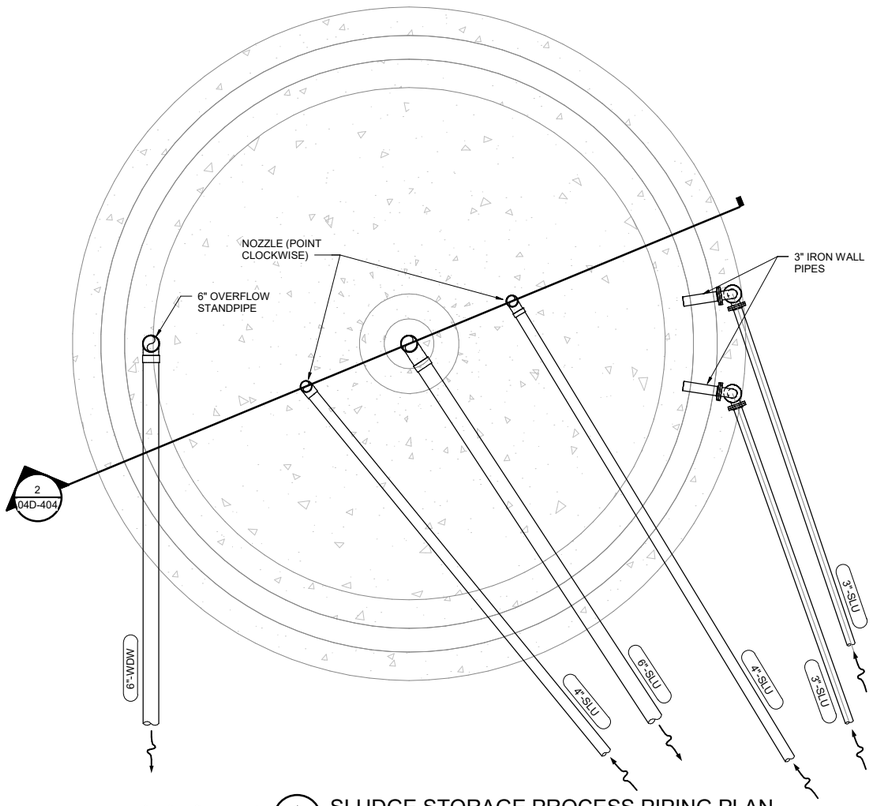
LOWER PAVILION FRAMING PLAN

0 1" 2"

FILENAME 10353741-03-S.rvt

SCALE As indicated

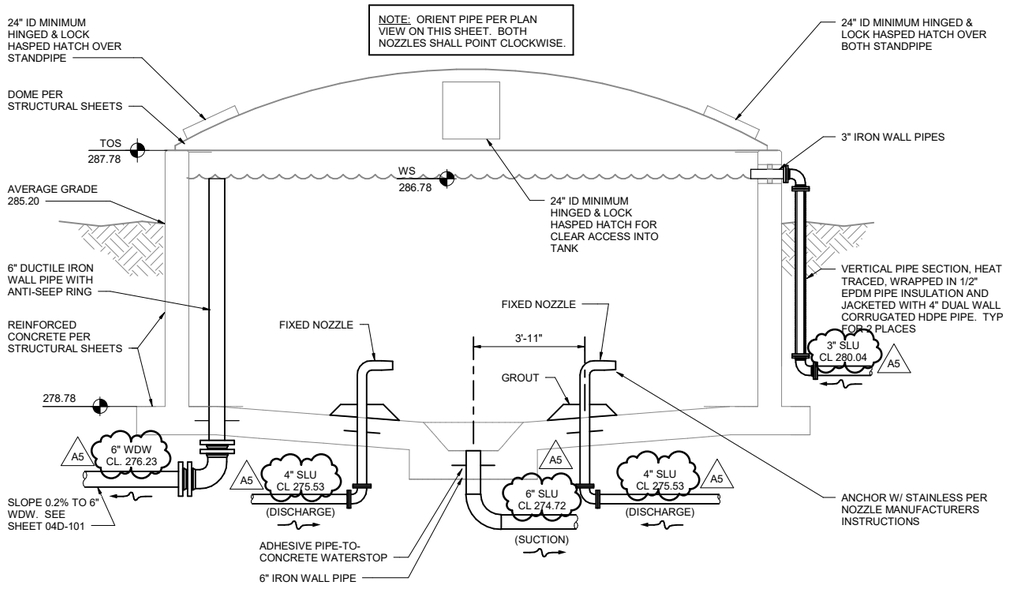
SHEET 03S-102



0 1' 2' 4'

1 04D-404 SLUDGE STORAGE PROCESS PIPING PLAN

3/8" = 1'-0"



0 1' 2' 4'

2 04D-404 SLUDGE STORAGE PROCESS PIPING SECTION

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IMPROVEMENTS AT GRAND LAKE STREAM STATE FISH HATCHERY

SLUDGE STORAGE PROCESS PIPING PLAN & DETAILS

0 1" 2"

FILENAME 10353741-04-D.rvt

SCALE 3/8" = 1'-0"

SHEET 04D-404

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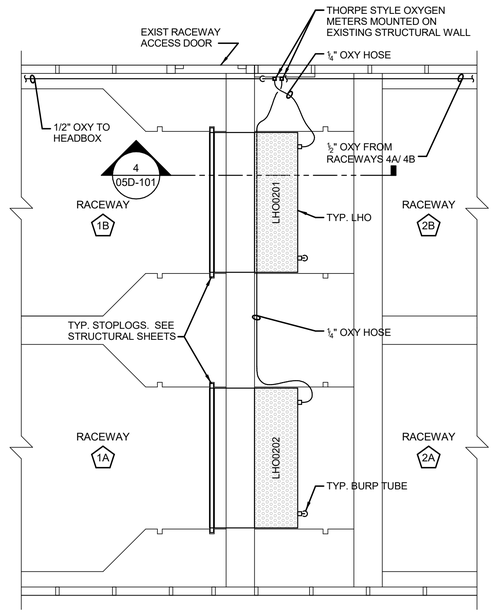
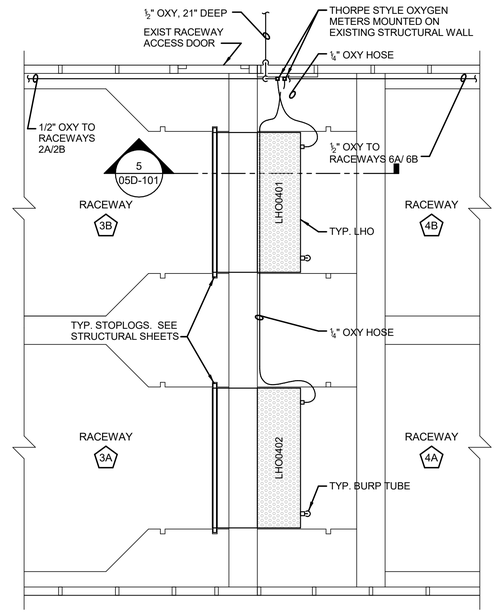


0 1' 2' 4'

1 05D-101 RACEWAYS 1A,1B, 2A & 2B LHO PLAN

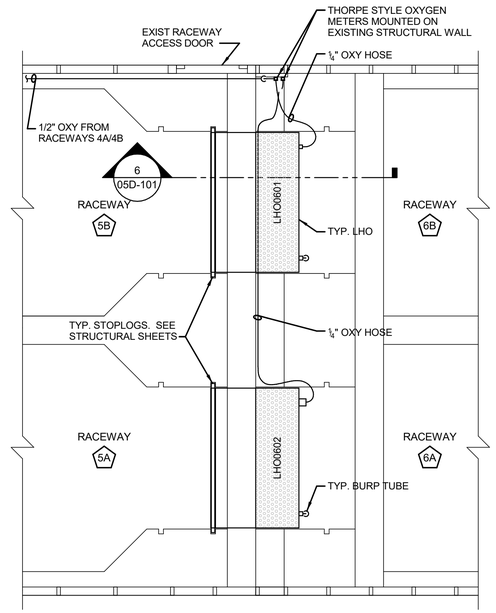
SCALE: 3/8" = 1'-0"



0 1' 2' 4'

2 05D-101 RACEWAYS 3A,3B, 4A & 4B LHO PLAN

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



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3 05D-101 RACEWAYS 5A,5B, 6A & 6B LHO PLAN

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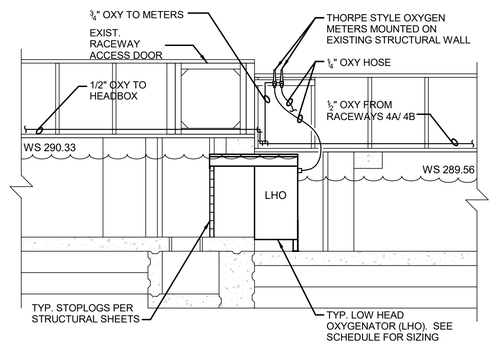

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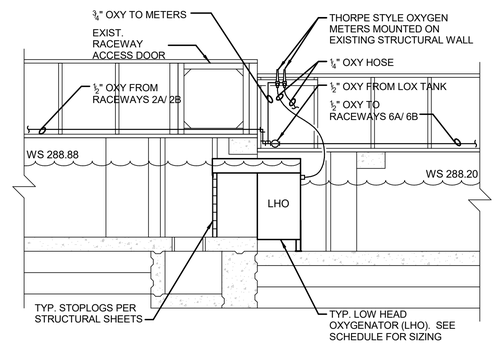
4 05D-101 RACEWAY LHO SECTION

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



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5 05D-101 RACEWAY LHO SECTION

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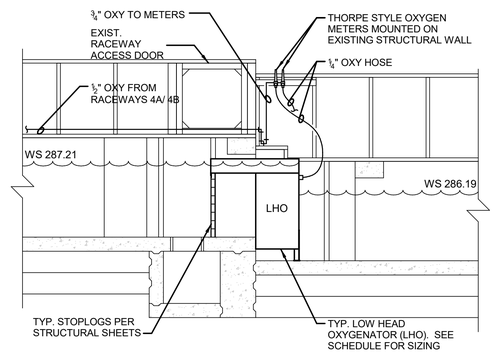

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6 05D-101 RACEWAY LHO SECTION

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IMPROVEMENTS AT GRAND LAKE STREAM STATE FISH HATCHERY

EXISTING RACEWAYS LHO PIPING PLAN AND SECTIONS

0 1" 2"

FILENAME 103537686-00-G.rvt

SCALE 3/8" = 1'-0"

SHEET A5 05D-101

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