EASTSOUND SEWER AND WATER DISTRICT
WASTEWATER TREATMENT PLANT UPGRADE – PHASE 2

ADDENDUM NO. 1 (6 pages total)
Issue Date: February 11, 2025

General: Recitations of each and every section of the bid documents impacted by this addendum are not given. The described changes impact all relevant portions of the bid documents whether specifically cited below or not.

CONTRACT CLARIFICATIONS:

1. **Construction Phasing Plan:**
   A construction phasing plan is provided in Section 00 31 13 – Preliminary Project Phases. The Contractor is to evaluate this schedule carefully, and identify any concerns during bid phase. Work is to be scheduled, as needed, to meet the District's planned schedule.

2. **Contractor Requirements:**
   All bidders must be licensed contractors registered in the State of Washington, and must be listed on San Juan County's approved Contractors List.

   - Here is a link to the County's current list of approved Contractors: https://www.sanjuanco.com/DocumentCenter/View/13867/Contractors-Approved-to-work-in-the-County-ROW

   - Here is a link to the County's requirements for a Contractor to become approved: https://www.sanjuanco.com/DocumentCenter/View/20270/How-to-Get-on-the-Approved-Contractors-List

3. **Construction Quality Assurance Plan:**
   A Construction Quality Assurance (CQA) Plan has been drafted and posted to the bid information website. The CQA Plan will be updated as the project progresses.

4. **Apprentice Utilization:**
   This project is subject to RCW 39.04.320, which requires 15% (min.) apprentice utilization.

5. **Site Access:**
   Access to the WWTP will only be allowed via Cessna Road unless otherwise coordinated in advance with the Port of Orcas and Emergency Services for access along Schoen Lane. Schoen Ln shall not be blocked at any time as it is the emergency services access to the helicopter pad.

6. **Airport Vertical Ceiling Surface:**
   Due to the proximity of the WWTP site to the Port of Orcas Airport, buildings and other obstructions must not clear the Transitional Surface that surrounds the airport per FAA regulations. The Transitional Surface extends over the site at a 7:1 angle. Vertical clearance

from finish grade to the Transitional Surface ranges from 34 ft clearance (approx.) on the west side of the WWTP site to 54 ft clearance (approx.) on the east side of the WWTP site. Please see the attached exhibit titled: Airport Vertical Ceiling Surface.

7. **Piping Clarifications:**
   Q: What type of pipe attachments do we need to connect existing pipes?
   A: All connections to existing pipe are to be restrained connections. Existing pipe material may not be known in some cases, and Contractor will be responsible with potholing and field verifying existing pipe locations and determining existing pipe material, prior to making connections. Pothole work is to be incidental to Contractor's Base Bid (bid item #1).

SPECIFICATIONS:

SECTION 10 73 05 FRP LAUNDER COVERS:

Acceptable manufacturers include NEFCO, Enduro, Protectolite, Fiberglass Fabricators, or approved equal.

SECTION 46 53 00 BIOLOGICAL TREATMENT SYSTEM:

2.01.C –

- Anoxic and Aeration System:
  - Overall treatment train wall height has been adjusted to 17.0-ft (matching Train #3).
  - The MLR airlift has been adjusted to reflect the design proposed on sheets C3.1 & C3.4. A single MLR airlift is anticipated with 8-inch diameter riser pipe and design capacity = 203 gpm.
- Clarifier:
  - Freeboard above static water level has been revised to 1.5 ft (matching Train #3).
  - Page 6 of 10, Paragraph 1: Revised to propose a shaft power monitor instead of an overload protection system.
  - Page 6 of 10, Paragraph 5: Revised to specify scum airlift shall discharge into the adjacent Aeration Zone #1.
- RAS Airlift System
  - Riser diameter has been revised from 3 inches to 6 inches (matching Train #3).
- MLR (Nitrate Recycle) Airlift System
  - Corrected to reflect the design proposed on sheets C3.1 & C3.4. A single MLR airlift is anticipated with piping 8 inches in diameter and must be capable of pumping 203 gpm.
- Carbon Feed
  - Revised to reference Section 46 33 44 for pump specifications.

2.01.D –

- Page 7 of 10: Delete references to Section 43 11 00 Blower Equipment.
  Note: The blower equipment was installed in phase 1 and is ready for use in phase 2.

DRAWINGS:

Sheet G0.8:

- It is noted that the design Average Daily Flow (ADF) condition is represented as the Normal Water Level (NWL) for the Splitter Box shown on the hydraulic profile (sheet G0.7)
- Clarifier MMF Surface Overflow Rate (SOR) = **288 Gal/Day/SF** (not 311 Gal/Day/SF).
- RAS Airlift Pump Pipe Size = **6-inch** (not 3-inch).
- Nitrate Recycle (MLR) Airlift Pump Pipe Size = **8-inch** (not 6-inch).

Sheet C1.7:

- Note that the sludge tank piping plan shows 8 septage polytanks. Each of the 8 septic tanks are to be connected to the proposed 3" supply piping with a 3" branch. The required valving, clean outs, and fittings needed at each of these 8 locations is to match Detail 1 and Detail 2 on sheet C1.7. This includes sixteen 3" Ball Valves, eight 3" clean outs, eight 3" unions, bends, and fittings as needed.

Sheet C3.1:

- The clarifier's access walkway for Train 1 has been rotated. The Train 1 walkway is now oriented 45 degrees SW to NE. The reason for this change is to allow sufficient clearance between Train 1 and Train 2's the mobile stairways as specified in Section 05 51 19.
- The IE of the Train 1's 8" effluent pipe has been adjusted to IE = 20.60 (not 20.00), to be field verified.
- The WAS pipe has been corrected to be in-line with the East-West centerline of the train.
- Two 90 degree elbows were added to the effluent pipe properly show vertical transition.
- Additional dimensions have been added to locate inlet/outlets and partitions within the treatment train.

Sheet C3.4

- The clarifier's access walkway has been rotated. The Train 2 walkway is now oriented 45 degrees NW to SE. The reason for this change is to allow sufficient clearance between the mobile stairways specified in Section 05 51 19.
- The WAS pipe has been corrected to be in-line with the East-West centerline of the train.
- Two 90 degree elbows were added to the effluent pipe properly show vertical transition.
- Additional dimensions have been added to locate inlet/outlets and partitions within the treatment train.

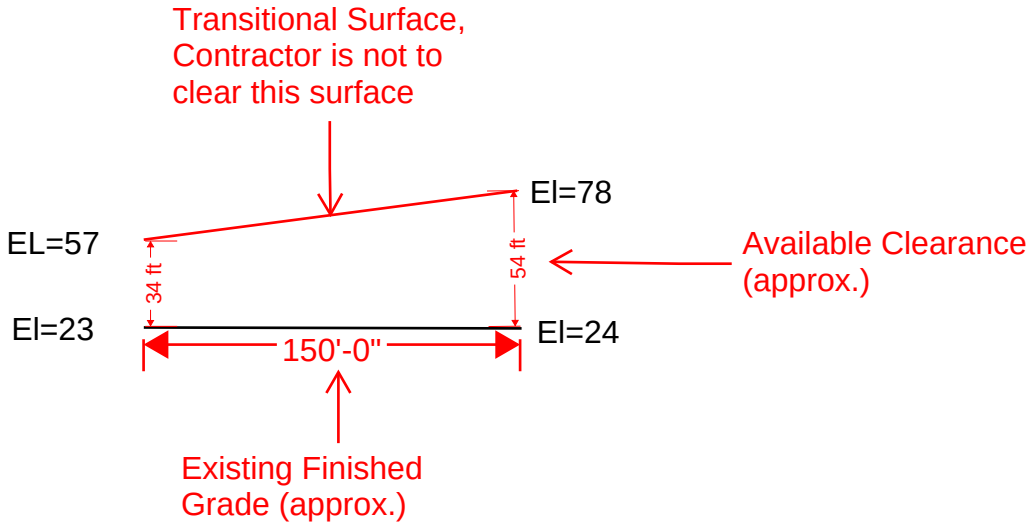
Sheet C3.5

- Adjust note to state: "CUT BACK EX. 6" (not 9") STUB AS NEEDED TO MAKE CONNECTION." Clarification: Air pipe diameter = 6".

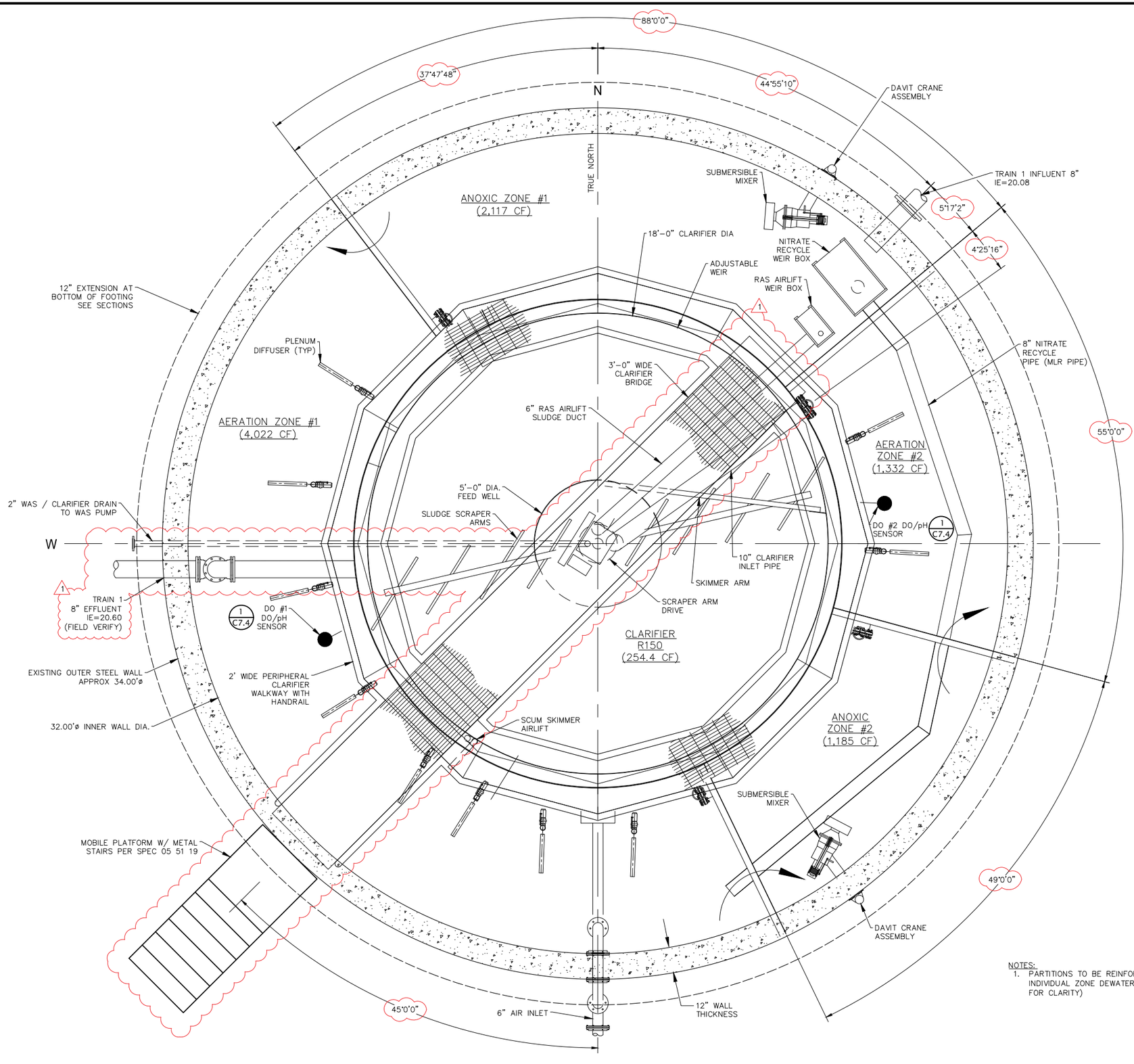
ATTACHMENTS INCLUDED ON FOLLOWING PAGES:

- Exhibit: Airport Vertical Ceiling Surface
- Sheet 3.1 – Train 1 Plan
- Sheet 3.4 – Train 2 Plan

Exhibit: Airport Vertical Ceiling Surface



NO.	REVISIONS	BY	DATE
1	EFFLUENT & CATWALK ADJ	MCS	2/11/2025



NOTES:
1. PARTITIONS TO BE REINFORCED FOR INDIVIDUAL ZONE DEWATERING. (NOT SHOWN FOR CLARITY)

N

2 0 2 4
SCALE HORIZONTAL SCALE FEET

Call 811 two business days before you dig

BID SET

WILSON ENGINEERING
WILSONENGINEERING.COM

JEFFREY CHRISTNER BENNINGTON 38886 STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER

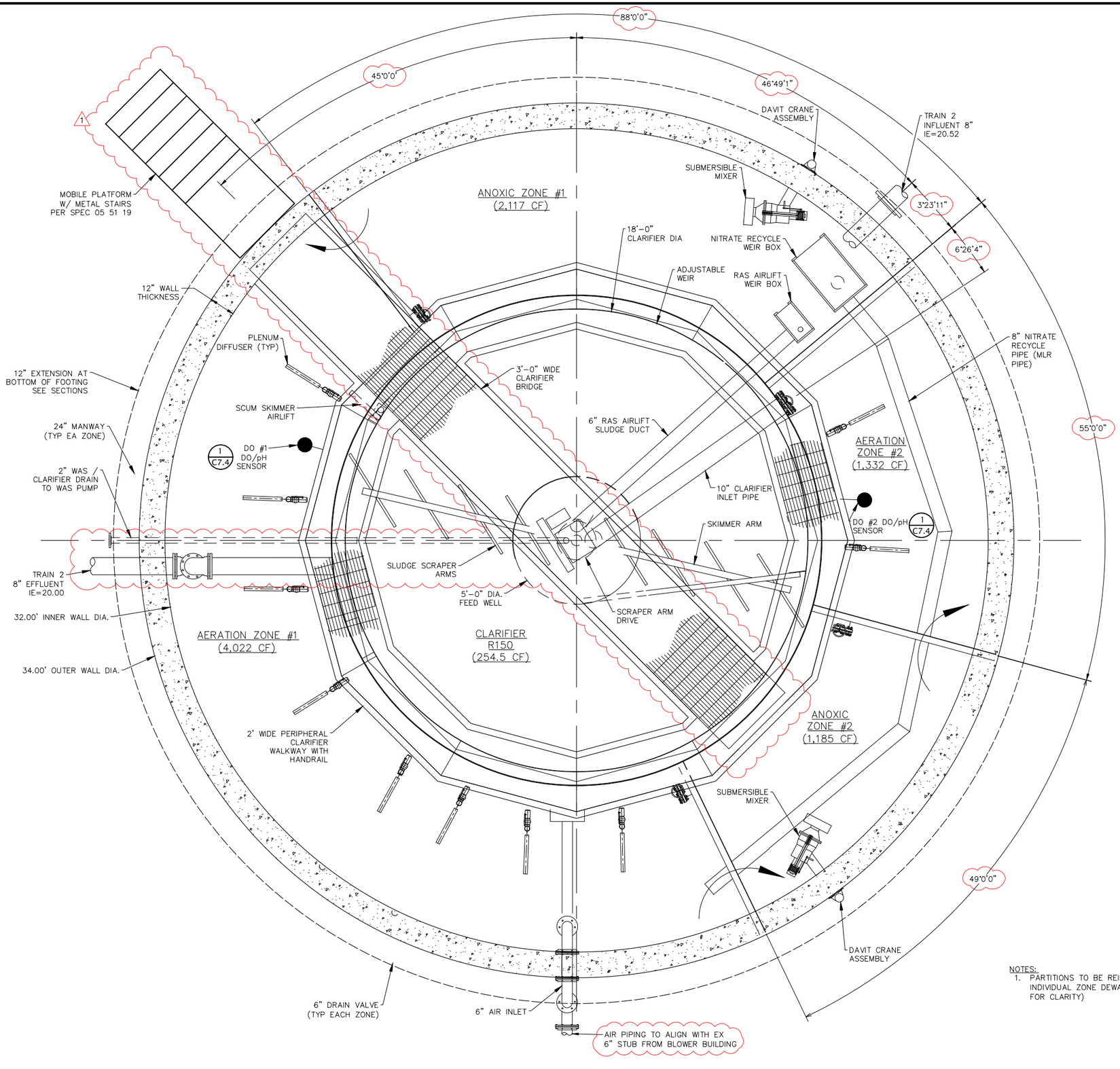
DESIGNED BY	DRAWN BY	CHECKED BY
JCC	MCS	AWL

EASTSOUND SEWER AND WATER DISTRICT
SAN JUAN COUNTY WASHINGTON
WASTEWATER TREATMENT PLANT UPGRADE – PHASE 2
TRAIN 1 PLAN

DATE	SCALE	JOB NUMBER
2-11-2025	AS SHOWN	2023-123

SHEET C3.1
PAGE 29 OF 91

NO.	REVISIONS	BY	DATE
1	EFFLUENT & CATWALK ADJ	MCS	2/11/2025



NOTES:
1. PARTITIONS TO BE REINFORCED FOR INDIVIDUAL ZONE DEWATERING. (NOT SHOWN FOR CLARITY)

N

2 0 2 4
SCALE HORIZONTAL SCALE FEET

811 Call 811 two business days before you dig

BID SET

WILSON ENGINEERING
WILSONENGINEERING.COM

JEFFREY CHRISTNER 38886 STATE OF WASHINGTON PROFESSIONAL ENGINEER

DESIGNED BY	DRAWN BY	CHECKED BY
JGC	MCS	AWL

EASTSOUND SEWER AND WATER DISTRICT
SAN JUAN COUNTY WASHINGTON
WASTEWATER TREATMENT PLANT UPGRADE – PHASE 2
TRAIN 2 PLAN

DATE	SCALE	JOB NUMBER
2-11-2025	AS SHOWN	2023-123

SHEET C3.4
PAGE 32 OF 91