

ADDENDUM NO. 3

TO THE BID DOCUMENTS

Furnish Replacement Rotary Screw Blowers for the Waste Water Treatment Plant

CITY OF HOMER, ALASKA

Addendum Issue Date: September 29, 2021

Bid Submittal Date: October 5, 2021

Previous Addenda Issued: 2

Issued By: Janette Keiser, PE
Public Works Director
City of Homer

Notice to Bidders:

Bidders must **acknowledge receipt of this addendum** by including the Addenda Acknowledgement Form with the bid.

Bidders are required to acknowledge each addenda separately on the Addenda Acknowledgement Form. Any bids received without acknowledgment of addenda may be rejected prior to evaluation.

The Bid Documents for the above project are amended as follows:

Address questions from prospective bidders. All other terms and conditions remain unchanged

Question #1: Can we get a copy of the plans for the blower room so that we can better figure out how to meet the dimensional requirements?

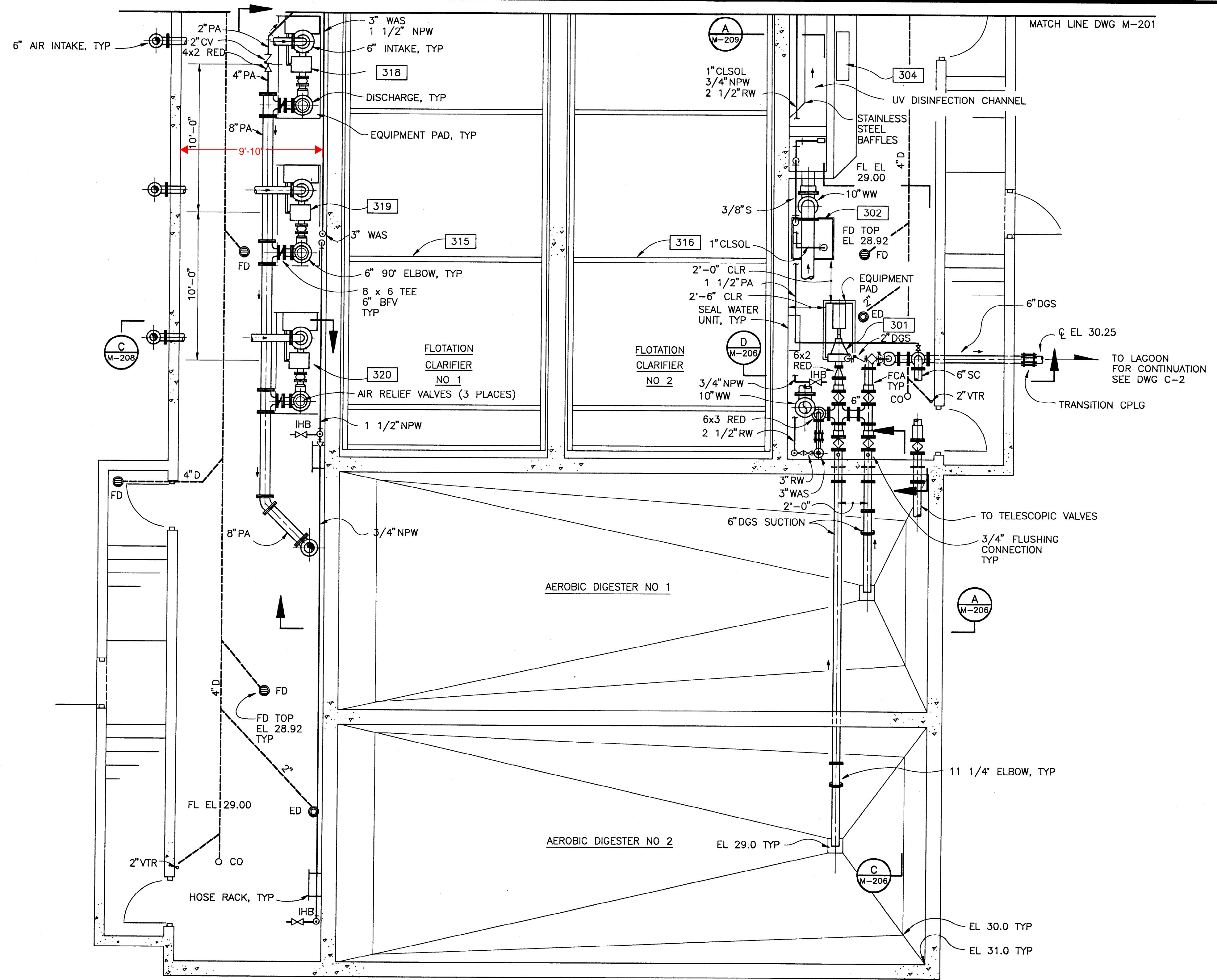
Answer #1: A copy of the blower room plans is attached to this addendum. The blowers are installed in a hallway that is less than 10 feet in width as depicted in the attached drawings. In addition to housing the blowers, the hallway also serves to provide access to other critical equipment. The dimensional requirement is driven by the need to be able to access and/or move critical equipment through the hallway.

Question #2: The required air flow during the project development was 1,235 ICFM and the bid spec requires 1,235 SCFM. This makes a difference, especially in hot weather, where a cubic foot of air contains less oxygen than at lower temperatures. For example, at 100°F and 80% RH, 1,235 SCFM converts to 1,391 ICFM. This would push us up to the next blower screw size. Can you confirm this so we can provide the correct machine?

Answer #2: The required air flow is 1,235 SCFM as specified in the bid package.

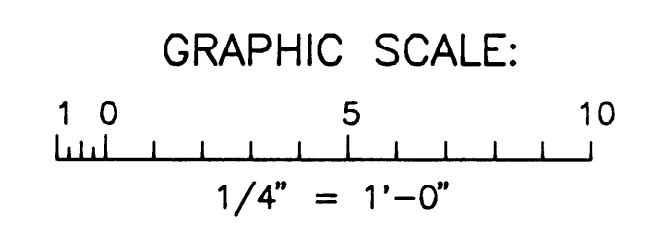
Question #3: The specification calls for an inlet valve. Being a positive displacement machine, there's no advantage in having a valve on the inlet, especially if the piping is not manifolded. In fact, there is a concern with isolating the inlet if the blower is turned on and the valve is closed. The vacuum created in the inlet piping would potentially collapse the inlet silencer on the package. Would you consider only using the isolation valve on the discharge piping?

Answer #3: No changes to the isolation valve specification will be made prior to the bid.



- EQUIPMENT NUMBERS**
- 301 DIGESTED SLUDGE PUMP
 - 302 EFFLUENT SAMPLER
 - 304 UV DISINFECTION MODULE NO 2
 - 315 SLUDGE COLLECTOR DRIVE NO 1
 - 316 SLUDGE COLLECTOR DRIVE NO 2
 - 318 DIGESTER BLOWER NO 1
 - 319 DIGESTER BLOWER NO 2
 - 320 DIGESTER BLOWER NO 3

- NOTES:**
1. TRAP PRIMER REQUIRED FOR EACH FLOOR DRAIN AND EQUIPMENT DRAIN.
 2. SEE FLOOR DRAIN DETAILS, DWG M-51.
 3. SEE DWGS M-218, M-219 AND M-220 FOR HVAC PLANS, SECTIONS AND DETAILS.
 4. ALL NON-PROCESS TANKAGE FLOORS SHALL BE UNIFORMLY SLOPED FROM GIVEN FLOOR ELEVATIONS AT WALLS TO FLOOR DRAIN TOP ELEVATIONS.



LOWER LEVEL PLAN - SOUTH
SCALE: 1/4" = 1'-0"

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DRAWING CONFORMED TO CONSTRUCTION RECORDS
Date 5/19/92 By R.W. Beck and Associates

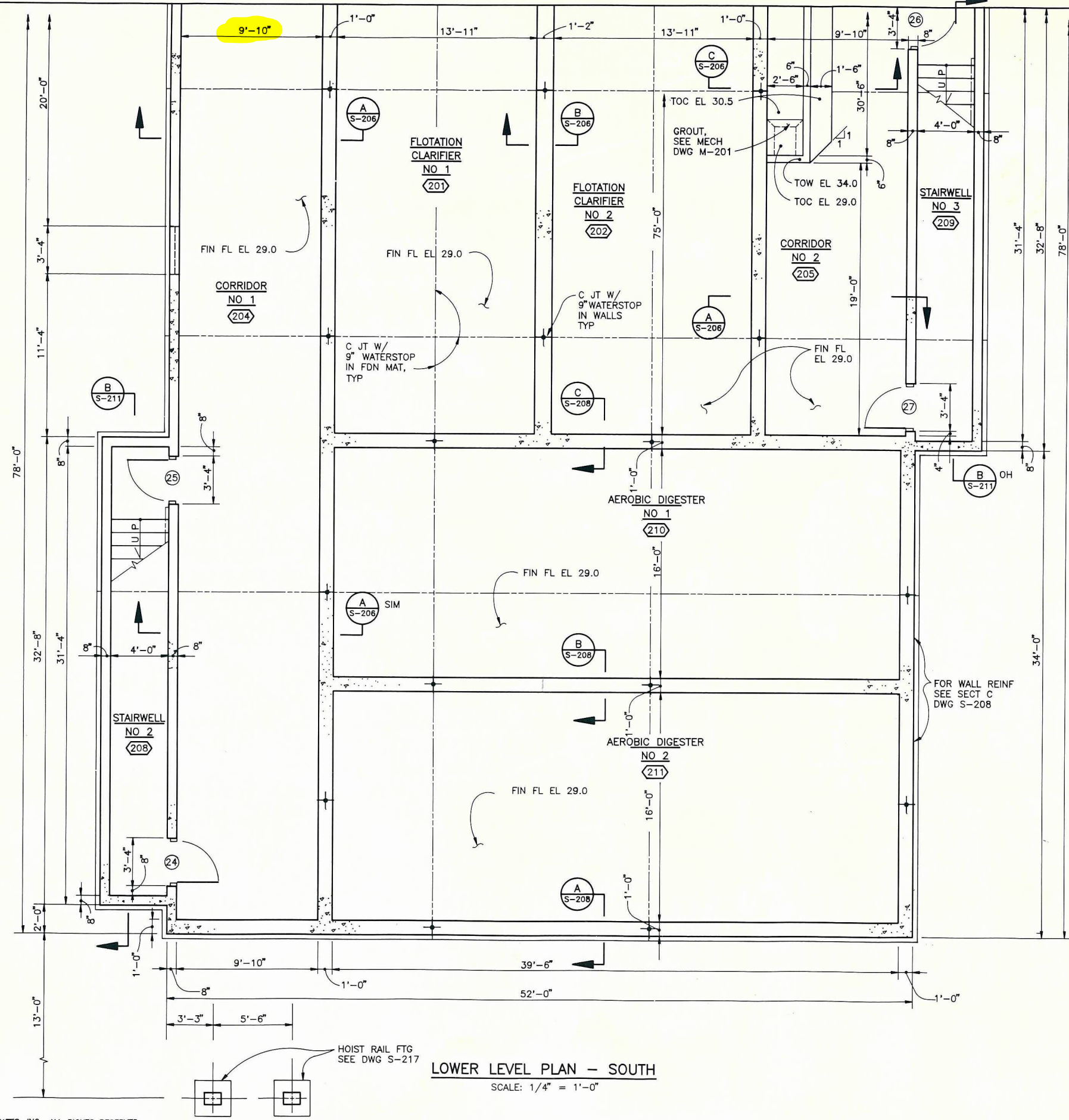
REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION
2	5-13-92				DRAWING CONFORMED TO CONSTRUCTION RECORDS
1	6-15-89				ISSUED FOR CONSTRUCTION
0	3-2-89				ISSUED FOR BIDS

DESIGNED	CIVIL REVIEW	MECHANICAL REVIEW
DRAWN	STRUCTURAL REVIEW	ELECTRICAL REVIEW
CHECKED	DATE	APPROVED

R. W. BECK AND ASSOCIATES, INC
ENGINEERS AND CONSULTANTS

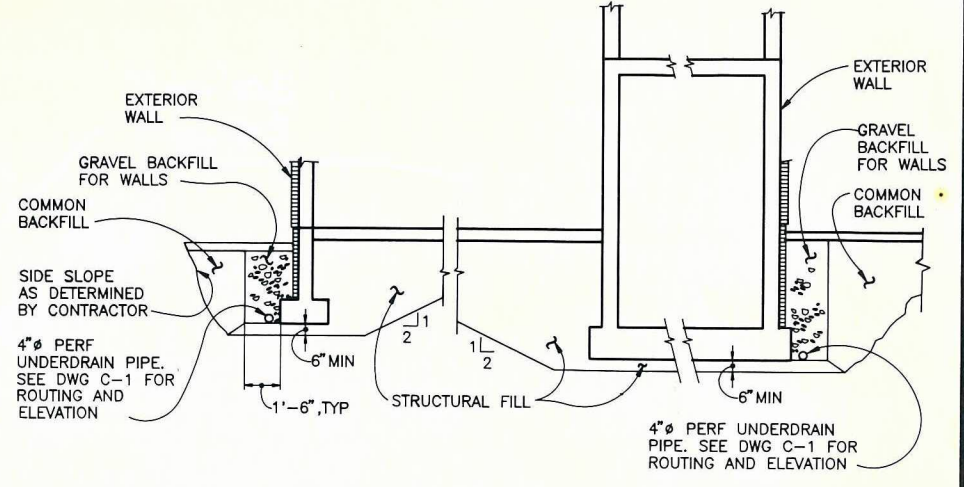
CITY OF HOMER, ALASKA - WASTEWATER TREATMENT FACILITIES
MAIN TREATMENT FACILITY
TREATMENT BUILDING 01175
LOWER LEVEL PLAN - SOUTH

WORK ORDER NUMBER
UU-1957-ST2-AY
DRAWING NUMBER
824-M-202.2



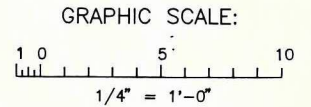
LOWER LEVEL PLAN - SOUTH
SCALE: 1/4" = 1'-0"

MATCH LINE DWG S-201



EXCAVATION AND BACKFILL DETAIL
SCALE: 1/4" = 1'-0"

NOTES:
1. SEE NOTES DWG S-201.



THIS DRAWING REDUCED
APPROXIMATELY HALF SIZE

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REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION
0	3-2-89				ISSUED FOR BIDS
DRAWING REVISION RECORD					

DESIGNED <i>EM</i>	CIVIL REVIEW <i>DJC</i>	MECHANICAL REVIEW <i>LWS</i>
DRAWN <i>SCS</i>	STRUCTURAL REVIEW <i>EM</i>	ELECTRICAL REVIEW <i>GTG</i>
CHECKED <i>LU</i>	DATE 3-2-89	APPROVED <i>L.W.</i>

R. W. BECK AND ASSOCIATES, INC
ENGINEERS AND CONSULTANTS

CITY OF HOMER, ALASKA - WASTEWATER TREATMENT FACILITIES
MAIN TREATMENT FACILITY
TREATMENT BUILDING
LOWER LEVEL PLAN - SOUTH

WORK ORDER NUMBER
UU-1957-ST2-AY
DRAWING NUMBER
824-S-202.0