

**Water Treatment Plant Rehabilitation
City Project No. WTR-00017
January 10, 2024**

DESIGNER

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OWNER

City of Fort Bragg
416 North Franklin Street
Fort Bragg, CA 95437



01/10/2024

GENERAL

Scope

- A. This Addendum forms a part of the Bidding and Contract Documents and modifies the Project Specifications and Drawings described below.
- B. This Addendum consists of 3 pages and the following attachment:
 - 1. Mandatory Pre-Bid Conference Sign-In-Sheet (1 page) attached.
 - 2. Reissued Specification Section 00 73 01 – Supplementary Conditions (18 pages) attached.
 - 3. C08, Overall Ponds Improvements Plan (Updated Sheet).
 - 4. R01, Filter Treatment Units No. 1 and No. 2 Rehab Preparation Sequencing (Updated Sheet).
 - 5. R04, Filter Treatment Units No. 1 and No. 2 Rehab and Improvements Plans and Sections 1 (Updated Sheet).
 - 6. R05, Filter Treatment Units No. 1 and No. 2 Rehab and Improvements Plans and Sections 2 (Updated Sheet).

Acknowledgment

- A. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

REVISIONS TO SPECIFICATIONS

Section 00 01 00 – Advertisement for Bids

Paragraph 1 on Page 00 01 00-1

CHANGE TO READ

" Sealed Bids for the construction of the Water Treatment Plant Rehabilitation Project will be received by City of Fort Bragg at the office of 416 North Franklin Street, Fort Bragg CA, 95437 until 3:00 PM local time on **January 23rd, 2024**, at which time the Bids will be **publicly** opened and read. The Project consists of constructing upgrades and rehabilitation of the existing water treatment plant."

Section 00 21 13 – Instructions to Bidders

Article 3, Subparagraph 3.01

DELETE

Article 3, Subparagraph 3.02

DELETE

Article 5, Subparagraph 5.04 C

CHANGE TO READ

" Bidders visiting the Site are required to: (1) arrange their own transportation to the Site; and (2) each Bidder visiting the Site is responsible for providing and using its own personal protective equipment appropriate for the Site and conditions, and in accordance with posted requirements, if any. At minimum, each visitor to the Site should have an appropriate hardhat, steel-toed boots, eye and hearing protection (other than ordinary eyewear), and a high-visibility reflective safety vest. Comply with Paragraph 5.05 of these Instructions to Bidders."

Section 01 73 29 – Demolition, Cutting and Patching

Article 1.1 A.2.

ADD

" 2. Contractor is solely responsible for performing a lead analysis on existing coatings. Not all landfills accept lead containing sand blast residue. Comply with federal and state agencies and state EPA branch for safe disposal of lead containing sand blast residue."

Article 1.2 A.3.

ADD

" 3. Submit plan for worker and public safety for fugitive lead containing dust or sand blast residue."

Article 1.4 B.

ADD

" B. Contractor shall test existing coatings for lead. In the scenario that lead is found to exceed permissible exposure limits in the existing coatings, contractor is solely responsible for

providing a safe working environment for employees and other affected by the contractor's work. Refer to OSHA requirements for more information."

Section 46 07 13 – Filter Treatment Units Retrofit

Article 2.4 C.1.b.

CHANGE TO READ

"b. 100% beads – 50/50 blend of rolled/scarified."

Article 2.4 C.1.c.

DELETE

Article 2.4 C.3.

DELETE

Article 2.4 C.4.

DELETE

Article 3.3 C.2.

CHANGE TO READ

" 2. Upon completion of installation by the Contractor and certification of proper installation of the equipment by the manufacturer's factory trained service technician, the equipment shall be functionally tested under supervision of Contractor and manufacturer's factory trained service technician for a minimum of **56 HRS (including travel time)** to ensure that all clearances, vibration, tracking, and motor operation characteristics are within acceptable limits."

End of Addendum

SECTION 00 73 01
SUPPLEMENTARY CONDITIONS
OF THE CONSTRUCTION CONTRACT

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SUPPLEMENTARY CONDITIONS

OF THE CONSTRUCTION CONTRACT

These Supplementary Conditions amend or supplement EJCDC® C-700, Standard General Conditions of the Construction Contract (2018). The General Conditions remain in full force and effect except as amended.

The terms used in these Supplementary Conditions have the meanings stated in the General Conditions. Additional terms, if any, used in these Supplementary Conditions have the meanings stated below, which are applicable to both the singular and plural thereof.

The paragraph address system used in these Supplementary Conditions is the same as the paragraph address system used in the General Conditions, with the prefix "SC" added—for example, "Paragraph SC-4.05."

ARTICLE 1—DEFINITIONS AND TERMINOLOGY

SC-1.01.A.16 Add the following to Paragraph 1.01.A.16:

When the Project is to be constructed under multiple direct Contracts awarded by the Owner, the term "Contractor" shall mean the appropriate prime contractor. Whenever a specific prime Contractor is referred to, terms such as "General Contractor", "Electrical Contractor", "Plumbing Contractor", "HVAC Contractor", or other appropriate Contract-indicating term will be used.

SC-1.01.A.40 Add the following to Paragraph 1.01.A.40:

Trucking, shipping, delivery firms, consultants, and entities performing testing or inspection retained by Contractor or any Subcontractor are considered to be Subcontractors.

SC-1.01.A.45 Add the following to Paragraph 1.01.A.45:

Entities that rent construction equipment or machinery, but are not incorporated into the Work, are considered to be Suppliers. If such rental entity furnishes both equipment and one or more personnel to operate and maintain the equipment, such entity is a Subcontractor.

SC-101.A.51 Add the following to Paragraph 1.01.A.50:

American Iron and Steel (AIS) Requirements – Compliance with the AIS Requirements for this project are described in attachments of these contract documents.

SC-101.A.52 Add the following to Paragraph 1.01.A.51:

Davis Bacon Requirements – Compliance with Davis Bacon Requirements for this project are described in attachments of these contract documents.

SC-101.A.53 Add the following to Paragraph 1.01.A.52:

Disadvantaged Business Enterprise Requirements – Compliance with the Disadvantaged Business Enterprise Requirements for this project are described in attachments of these contract documents.

SC-1.01.A.54 Add the following to Paragraph 1.01.A.52:

Abnormal Weather Conditions – Conditions of extreme or unusual weather for a given region, elevation, or season as determined by Engineer. Extreme or unusual weather that is typical for a given region, elevation, or season should not be considered Abnormal Weather Conditions.

ARTICLE 2—PRELIMINARY MATTERS

2.01 Delivery of Bonds and Evidence of Insurance

SC-2.01 Delete Paragraphs 2.01.B. and C. in their entirety and insert the following in their place:

- B. *Evidence of Contractor's Insurance:* When Contractor delivers the signed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner copies of the policies (including all endorsements, and identification of applicable self-insured retentions and deductibles) of insurance required to be provided by Contractor in this Contract. Contractor may block out (redact) any confidential premium or pricing information contained in any policy or endorsement furnished under this provision.

2.02 Copies of Documents

SC-2.02 Amend the first sentence of Paragraph 2.02.A to read as follows:

Owner shall furnish to Contractor two paper copies of the Contract Documents (including one fully signed counterpart of the Agreement), and one copy in electronic portable document format (PDF).

SC-2.02 Delete Paragraph 2.02.A in its entirety and insert the following new paragraph in its place:

- A. Owner shall furnish to Contractor two paper copies of conformed Contract Documents incorporating and integrating all Addenda and amendments, if any, negotiated prior to the Effective Date of the Contract (including one fully signed counterpart of the Agreement), and one copy in electronic portable document format (PDF). Additional paper copies of the conformed Contract Documents will be furnished upon request at the cost of reproduction.

2.06 Electronic Transmittals

SC-2.06 Delete in its entirety Paragraph 2.06.B and replace with the following new paragraph:

- B. *Electronic Document Protocol:* Comply with Specifications Section 01 31 26 – Electronic Communication Protocols.

ARTICLE 3—CONTRACT DOCUMENTS: INTENT, REQUIREMENTS, REUSE

3.01 Intent

SC-3.01 Delete Paragraph 3.01.C in its entirety.

SC-3.01 Add the following new paragraphs immediately after Paragraph 3.01.E:

- F. The Specifications and other verbal components of the Contract Documents may vary in form, format, and style. Some Specification sections are written in varying degrees of streamlined or declarative style and some Specifications sections may, in

comparison, employ a more-narrative style. Omissions of such words and phrases as "Contractor shall," "in conformity with," "as shown," or "as specified" are intentional in streamlined language in the Contract Documents. Omitted words and phrases are incorporated by inference. Similar types of provisions may appear in various parts of a Specifications section or elsewhere in the Contract Documents. Contractor shall not attempt to take advantage of any variation of form, format or style in Change Proposal(s) and Claim(s).

- G. Cross referencing of Specification sections in a Specifications section's heading "Related Sections includes, but are not necessarily limited to: "and elsewhere within each Specifications section is provided as an aid and convenience to Contractor. Contractor shall not rely on cross referencing indicated and is responsible for coordinating the entire Work and providing a complete Project whether or not cross referencing is provided in each Specifications section or whether or not cross referencing is complete.

ARTICLE 4—COMMENCEMENT AND PROGRESS OF THE WORK

4.05 Delays in Contractor's Progress

SC-4.05.C Amend Paragraph 4.05.C by adding the following subparagraphs:

5. Weather-Related Delays

- a. If "abnormal weather conditions" as set forth in Paragraph 4.05.C.2 of the General Conditions are the basis for a request for an equitable adjustment in the Contract Times, such request must be documented by data substantiating each of the following: (1) that weather conditions were abnormal for the period of time in which the delay occurred, (2) that such weather conditions could not have been reasonably anticipated, and (3) that such weather conditions had an adverse effect on the Work on the critical path at the time of the delay.
- b. The existence of abnormal weather conditions will be determined on a month-by-month basis in accordance with the following:
 - 1) Contractor shall anticipate the number of foreseeable bad weather days per month indicated in Table SC-4.05.C-1—Foreseeable Bad Weather Days.
 - 2) In each month, every bad weather day exceeding the number of foreseeable bad weather days established in Table SC-4.05.C-1—Foreseeable Bad Weather Days, will be considered as "abnormal weather conditions." The existence of abnormal weather conditions will not relieve Contractor of the obligation to demonstrate and document that delays caused by abnormal weather are specific to the planned work activities or that such activities thus delayed were on Contractor's then-current Progress Schedule's critical path for the Project.

Table SC-4.05.C-1—Foreseeable Bad Weather Days

Month	Number of Foreseeable Bad Weather Days in Month Based on Precipitation as Rain Equivalent (inches) ⁽¹⁾	Ambient Outdoor Air Temperature (degrees F)	
		Number of Foreseeable Bad Weather Days in Month Based on Low Temperature (at 11:00 a.m.)	Number of Foreseeable Bad Weather Days in Month Based on High Temperature (at 3:00 p.m.)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
Notes:			
1. Two inches of sleet equal one inch of rain. Five inches of wet, heavy snow equal one inch of rain. Fifteen inches of “dry” powder snow equals one inch of rain.			

ARTICLE 5—SITE, SUBSURFACE AND PHYSICAL CONDITIONS, HAZARDOUS ENVIRONMENTAL CONDITIONS

SC-5.04.A Add the following new paragraph immediately after Paragraph 5.04.A.4:

5. Contractor encounters human remains, recognizes the existence of burial markers, archaeological sites, historical sites, artifacts of potential archaeological or historical interest, or wetlands not shown or indicated in the Contract Documents, Contractor shall immediately cease operations that may disturb such area(s) and secure the adjacent Work; and Owner shall promptly take any action necessary to obtain governmental authorization required to resume the operations (Contractor shall continue to suspend such operations until otherwise instructed by Owner but shall continue with all other operations that do not affect those remains or features);

ARTICLE 6—BONDS AND INSURANCE

6.01 *Performance, Payment, and Other Bonds*

- SC-6.01 Add the following paragraphs immediately after Paragraph 6.01.A:
1. *Required Performance Bond Form:* The performance bond that Contractor furnishes will be in the form of EJCDC® C-610, Performance Bond 2018 edition.
 2. *Required Payment Bond Form:* The payment bond that Contractor furnishes will be in the form of EJCDC® C-615, Payment Bond 2018 edition.

6.02 *Insurance—General Provisions*

- SC-6.02 Add the following paragraph immediately after Paragraph 6.02.B:
1. Contractor may obtain worker’s compensation insurance from an insurance company that has not been rated by A.M. Best, provided that such company (a) is domiciled in the state in which the Project is located, (b) is certified or authorized as a worker’s compensation insurance provider by the appropriate state agency, and (c) has been accepted to provide worker’s compensation insurance for similar projects by the state within the last 12 months.

6.03 *Contractor’s Insurance*

- SC-6.03 Supplement Paragraph 6.03 with the following provisions after Paragraph 6.03.C:
- D. *Workers’ Compensation and Employer’s Liability:* Contractor shall purchase and maintain workers’ compensation and employer’s liability insurance, including, as applicable, United States Longshoreman and Harbor Workers’ Compensation Act, Jones Act, stop-gap employer’s liability coverage for monopolistic states, and foreign voluntary workers’ compensation (from available sources, notwithstanding the jurisdictional requirement of Paragraph 6.02.B of the General Conditions).

Workers’ Compensation and Related Policies	Policy limits of not less than:
Workers’ Compensation	
State	Statutory
Applicable Federal (e.g., Longshoreman’s)	Statutory
Foreign voluntary workers’ compensation (employer’s responsibility coverage), if applicable	Statutory
Employer’s Liability	
Policy limit	\$1,000,000.00

- E. *Commercial General Liability—Claims Covered:* Contractor shall purchase and maintain commercial general liability insurance, covering all operations by or on behalf of Contractor, on an occurrence basis, against claims for:
1. damages because of bodily injury, sickness or disease, or death of any person other than Contractor’s employees,
 2. damages insured by reasonably available personal injury liability coverage, and
 3. damages because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom.
- F. *Commercial General Liability—Form and Content:* Contractor’s commercial liability policy must be written on a 1996 (or later) Insurance Services Organization, Inc. (ISO)

commercial general liability form (occurrence form) and include the following coverages and endorsements:

1. Products and completed operations coverage.
 - a. Such insurance must be maintained for three years after final payment.
 - b. Contractor shall furnish Owner and each other additional insured (as identified in the Supplementary Conditions or elsewhere in the Contract) evidence of continuation of such insurance at final payment and three years thereafter.
 2. Blanket contractual liability coverage, including but not limited to coverage of Contractor's contractual indemnity obligations in Paragraph 7.18.
 3. Severability of interests and no insured-versus-insured or cross-liability exclusions.
 4. Underground, explosion, and collapse coverage.
 5. Personal injury coverage.
 6. Additional insured endorsements that include both ongoing operations and products and completed operations coverage through ISO Endorsements CG 20 10 10 01 and CG 20 37 10 01 (together). If Contractor demonstrates to Owner that the specified ISO endorsements are not commercially available, then Contractor may satisfy this requirement by providing equivalent endorsements.
 7. For design professional additional insureds, ISO Endorsement CG 20 32 07 04 "Additional Insured—Engineers, Architects or Surveyors Not Engaged by the Named Insured" or its equivalent.
- G. *Commercial General Liability—Excluded Content:* The commercial general liability insurance policy, including its coverages, endorsements, and incorporated provisions, must not include any of the following:
1. Any modification of the standard definition of "insured contract" (except to delete the railroad protective liability exclusion if Contractor is required to indemnify a railroad or others with respect to Work within 50 feet of railroad property).
 2. Any exclusion for water intrusion or water damage.
 3. Any provisions resulting in the erosion of insurance limits by defense costs other than those already incorporated in ISO form CG 00 01.
 4. Any exclusion of coverage relating to earth subsidence or movement.
 5. Any exclusion for the insured's vicarious liability, strict liability, or statutory liability (other than worker's compensation).
 6. Any limitation or exclusion based on the nature of Contractor's work.
 7. Any professional liability exclusion broader in effect than the most recent edition of ISO form CG 22 79.

H. *Commercial General Liability—Minimum Policy Limits*

Commercial General Liability	Policy limits of not less than:
General Aggregate	\$5,000,000.00
Products—Completed Operations Aggregate	\$5,000,000.00
Personal and Advertising Injury	\$5,000,000.00
Bodily Injury and Property Damage—Each Occurrence	\$5,000,000.00

- I. *Automobile Liability:* Contractor shall purchase and maintain automobile liability insurance for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance, or use of any motor vehicle. The automobile liability policy must be written on an occurrence basis.

Automobile Liability	Policy limits of not less than:
Combined Single Limit	
Combined Single Limit (Bodily Injury and Property Damage)	\$2,000,000.00

- J. *Umbrella or Excess Liability:* Contractor shall purchase and maintain umbrella or excess liability insurance written over the underlying employer’s liability, commercial general liability, and automobile liability insurance described in the Paragraphs above. The coverage afforded must be at least as broad as that of each and every one of the underlying policies.

Excess or Umbrella Liability	Policy limits of not less than:
Each Occurrence	\$5,000,000.00
General Aggregate	\$5,000,000.00

SC-6.04 Supplement Paragraph 6.04 of the General Conditions with the following provision:

- G. *Coverage for Completion Delays:* The builder’s risk policy will include, for the benefit of Owner, loss of revenue and soft cost coverage for losses arising from delays in completion that result from covered physical losses or damage. Such coverage will include, without limitation, fixed expenses and debt service for a minimum of 12 months with a maximum deductible of 30 days, compensation for loss of net revenues, rental costs, and attorneys’ fees and engineering or other consultants’ fees, if not otherwise covered.

ARTICLE 7—CONTRACTOR’S RESPONSIBILITIES

7.02 *Supervision and Superintendence*

SC-7.02 Add the following to Paragraph 7.02, following Paragraph 7.02.B:

- C. Unless Owner otherwise agrees in writing, the superintendent will be Contractor's representative at the Site and shall have authority to act on behalf of Contractor. All communications given to or received from the superintendent shall be binding on Contractor.

7.03 *Labor; Working Hours*

SC-7.03 Add the following new subparagraphs immediately after Paragraph 7.03.C:

1. Regular working hours will be 8:00 AM – 4:30 PM.
2. Owner's legal holidays are:

New Year's Day (January 1).

Birthday of Martin Luther King, Jr. (Third Monday in January).

Washington's Birthday (Third Monday in February).

Memorial Day (Last Monday in May).

Independence Day (July 4).

Labor Day (First Monday in September).

Columbus Day (Second Monday in October).

Veterans Day (November 11).

Thanksgiving Day (Fourth Thursday in November).

Christmas Day (December 25).

SC-7.03 Amend the first and second sentences of Paragraph 7.03.C to state "...all Work at the Site must be performed during regular working hours, Monday through Friday. Contractor will not perform Work on a Saturday, Sunday, or any legal holiday." The balance of Paragraph 7.03.C remains unchanged except for the foregoing.

SC-7.03 Delete Paragraph 7.03.C in its entirety, and insert the following:

- C. In the absence of any Laws or Regulations to the contrary, Contractor may perform the Work on holidays, during any or all hours of the day, and on any or all days of the week, at Contractor's sole discretion.

SC-7.03 Add the following new paragraph immediately after Paragraph 7.03.C:

- D. Contractor shall be responsible for the cost of overtime (premium) pay and other expense incurred by Owner for Engineer's services (including those of the Resident Project Representative, if any), Owner's representative, and construction observation services, occasioned by the performance of Work on Saturday, Sunday, any legal holiday, or as overtime on any regular work day. If Contractor is responsible but does not pay, or if the parties are unable to agree as to the amount owed, then Owner may impose a reasonable set-off against payments due under Article 15.

SC-7.04 *Services, Materials, and Equipment*

SC 7.04.D. Add the following new subparagraphs immediately after Paragraph 7.04 C:

- D. Where the Work requires equipment be furnished, due to the lack of standardization of equipment as produced by the various manufacturers, it may become necessary to make minor modifications in the structures, buildings, piping, mechanical work, electrical work, accessories, controls, or other work, to accommodate the particular equipment offered. Contractor's bid price for any equipment offered shall include the cost of making any necessary changes subject to the approval of Engineer.

SC-7.05 *"Or Equals"*

SC-7.05.A Amend the third sentence of the paragraph by striking out the following words:

Unless the specification or description contains or is followed by words reading that no like, equivalent, or "or-equal" item is permitted.

SC-7.05.A.1 Amend the last sentence of Paragraph a.3 by striking out "and:" and adding a period at the end of Paragraph a.3.

SC-7.05.A.1 Delete paragraph 7.04.A.1.a.4 in its entirety and insert the following in its place:

[Deleted]

SC-7.07 *Concerning Subcontractors, Suppliers and Others*

SC 7.07.A Amend Paragraph 7.07A by adding the following text to the end of the Paragraph:

The Contractor shall not award work valued at more than fifty percent of the Contract Price to Subcontractor(s), without prior written approval of the Owner.

SC 7.07.B Delete Paragraph 7.07B in its entirety and insert the following in its place:

[Deleted]

SC 7.07.E Amend the second paragraph of Paragraph 7.07E by striking out "Owner may also require Contractor to retain specific replacements; provided, however, that"

SC- 7.09 *Permits*

SC-7.09 Add a new paragraph immediately after Paragraph GC-7.09.A. which is to read as follows:

- A. In those instances where a certificate of occupancy must be obtained before the Work under this Contract can be occupied and placed into service by Owner, it shall be the responsibility of Contractor to arrange, coordinate, and pay any costs of obtaining said certificate."

SC-7.13 *Safety and Protection*

SC-7.13 Add the following new paragraph immediately after Paragraph 7.13.G:

- A. For all excavations in excess of five (5) feet, the Contractor shall, pursuant to Labor Code Section 6705, submit in advance of any excavation hereunder a detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from caving ground. No such excavation shall be made until said detailed plan is submitted by Contractor and accepted by Engineer.

7.13 *Safety and Protection*

SC-7.13 Add the following new paragraph immediately after Paragraph 7.13.G:

- A. For all excavations in excess of five (5) feet, the Contractor shall, pursuant to Labor Code Section 6705, submit in advance of any excavation hereunder a detailed plan

showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from caving ground. No such excavation shall be made until said detailed plan is submitted by Contractor and accepted by Engineer.

7.14 *Hazard Communication Programs*

SC-7.14 Add the following new paragraph immediately after Paragraph 7.14.A:

- B *Single Prime Contract*: Contractor shall be responsible for coordinating exchange of safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws and Regulations. Contractor shall provide a centralized location for the maintenance of the safety data sheets or other hazard communication information required to be made available by any employer on the Site. Location of the material safety data sheets or other hazard communication information shall be readily accessible to the employees of employers on the Site.

ARTICLE 8—OTHER WORK AT THE SITE

No Supplementary Conditions in this Article.

ARTICLE 9—OWNER’S RESPONSIBILITIES

9.13 *Owner’s Site Representative*

SC-9.13 Add the following new paragraph immediately after Paragraph 9.12 of the General Conditions:

9.13 *Owner’s Site Representative*

- A. Owner will furnish an “Owner’s Site Representative” (OSR) to represent Owner at the Site and assist Owner in observing the progress and quality of the Work. The Owner’s Site Representative is not Engineer’s consultant, agent, or employee.

ARTICLE 10—ENGINEER’S STATUS DURING CONSTRUCTION

10.03 *Resident Project Representative*

SC-10.03 Add the following new subparagraph immediately after Paragraph 10.03.A:

1. On this Project, by agreement with Owner, the Engineer will not furnish a Resident Project Representative to represent Engineer at the Site or assist Engineer in observing the progress and quality of the Work.

ARTICLE 12—CLAIMS

SC-12.01 Add the following new paragraph immediately after paragraph 12.01.G:

- A. If this is a “Public Works Contract” as defined in Section 22200 of the California Public Contract Code, claims shall be resolved pursuant to Section 9204 of the California Public Contract Code. Key provisions of that section are summarized as follows:
1. “Claim” means a separate demand by a contractor sent by registered mail or certified mail with return receipt requested, for one or more of the following:

- a. A time extension, including, without limitation, for relief from damages or penalties for delay assessed by a public entity under a contract for a public works project.
 - b. Payment by the public entity of money or damages arising from work done by, or on behalf of, the contractor pursuant to the contract for a public works project and payment for which is not otherwise expressly provided or to which the claimant is not otherwise entitled.
2. Payment of an amount that is disputed by the public entity.
3. Upon receipt of a claim pursuant to this section, Owner shall conduct a reasonable review of the claim and, within a period not to exceed 45 days, shall provide Contractor a written statement identifying what portion of the claim is disputed and what portion is undisputed. Upon receipt of a claim, Owner and Contractor may, by mutual agreement, extend the time period provided in this subdivision.
4. Contractor shall furnish reasonable documentation to support the claim.
5. Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after Owner issues its written statement.
6. If Contractor disputes Owner's written response, or if Owner fails to respond to a claim, Contractor may demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, Owner shall schedule a meet and confer conference within 30 days for settlement of the dispute.
7. Within 10 business days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, Owner shall provide Contractor a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after Owner issues its written statement. Any undisputed portion of the claim, as identified by the Contractor in writing, shall be submitted to nonbinding mediation with the public entity and Contractor sharing the associated costs equally. If the mediation is unsuccessful, the parts of the claim remaining in dispute shall be subject to applicable procedures outside this section.
8. Failure by Owner to respond to a claim from Contractor within the time periods described herein or to otherwise meet the time requirements of this section shall result in the claim being rejected in its entirety. A claim that is denied by reason of the public entity's failure to have responded to a claim, or its failure to otherwise meet the time requirements of this section, shall not constitute an adverse finding with regard to the merits of the claim or the responsibility or qualifications of the claimant.
9. Amounts not paid in a timely manner as required by this section shall bear interest at the maximum legal rate.

ARTICLE 13—COST OF WORK; ALLOWANCES, UNIT PRICE WORK

13.01 Cost of the Work

SC 13.01.B.5.c Delete Paragraph 13.01.B.5.c in its entirety and insert the following in its place:

C. Construction Equipment and Machinery:

1. Rentals of all construction equipment and machinery, and the parts thereof, in accordance with rental agreements approved by Owner with the advice of Engineer, and the costs of transportation, loading, unloading, assembly, dismantling, and removal thereof. All such costs shall be in accordance with the terms of said rental agreements. The rental of any such equipment, machinery, or parts shall cease when the use thereof is no longer necessary for the Work.
2. Costs for equipment and machinery owned by Contractor will be paid at a rate shown for such equipment in the Caltrans Labor Surcharge & Equipment Rental Rate Book. An hourly rate will be computed by dividing the monthly rates by 176. These computed rates will include all operating costs. Costs will include the time the equipment or machinery is in use on the changed Work and the costs of transportation, loading, unloading, assembly, dismantling, and removal when directly attributable to the changed Work. The cost of any such equipment or machinery, or parts thereof, shall cease to accrue when the use thereof is no longer necessary for the changed Work. Equipment or machinery with a value of less than \$1,000 will be considered small tools.

13.02 Allowances

SC-13.02.C Delete Paragraph 13.02.C in its entirety and insert the following in its place:

[Deleted]

ARTICLE 14—TESTS AND INSPECTIONS; CORRECTION, REMOVAL, OR ACCEPTANCE OF DEFECTIVE WORK

No Supplementary Conditions in this Article.

ARTICLE 15—PAYMENTS TO CONTRACTOR, SET OFFS; COMPLETIONS; CORRECTION PERIOD

15.01 Progress Payments

SC-15.01.B Amend the second sentence of Paragraph 15.01.B.2 by striking out the following text::

“a bill of sale, invoice, or other.”

15.03 Substantial Completion

SC 15.03.B Add the following new subparagraph to Paragraph 15.03.B:

1. If some or all of the Work has been determined not to be at a point of Substantial Completion and will require re-inspection or re-testing by Engineer, the cost of such re-inspection or re-testing, including the cost of time, travel and living

expenses, shall be paid by Contractor to Owner. If Contractor does not pay, or the parties are unable to agree as to the amount owed, then Owner may impose a reasonable set-off against payments due under Article 15.

15.02 *Contractor's Warranty of Title*

SC-15.02.A Amend Paragraph 15.02.A by striking out the following text:

“no later than 7 days after the time of payment by Owner” and insert “no later than the time of payment by Owner.”

15.06 *Final Payment*

SC-15.06.E Delete Paragraph 15.06.E in its entirety and insert the following in its place:

E. Thirty-five days after the filing of a Notice of Completion with the County Recorder and after presentation to Owner of the Application for Payment and accompanying documentation, the amount recommended by Engineer, less any sum Owner is entitled to set off against Engineer's recommendation, including but not limited to liquidated damages, will become due and will be paid by Owner to Contractor.

15.07 *Waiver of Claims*

SC-15.07.B. Amend Paragraph 15.07.B to state "The acceptance of final payment by Contractor will constitute a waiver by Contractor of all claims and rights against Owner and/or Engineer other than those pending matters that have been duly submitted or appealed under the provisions of Article 17."

ARTICLE 16—SUSPENSION OF WORK AND TERMINATION

No Supplementary Conditions in this Article.

ARTICLE 17—FINAL RESOLUTIONS OF DISPUTES

17.02 *Arbitration*

SC-17.02 Add the following new paragraph immediately after Paragraph 17.01.

SC-17.02 *Arbitration*

- A. All matters subject to final resolution under this Article will be settled by arbitration administered by the American Arbitration Association in accordance with its Construction Industry Arbitration Rules (subject to the conditions and limitations of this Paragraph SC-17.02). Any controversy or claim in the amount of \$100,000 or less will be settled in accordance with the American Arbitration Association's supplemental rules for Fixed Time and Cost Construction Arbitration. This agreement to arbitrate will be specifically enforceable under the prevailing law of any court having jurisdiction.
- B. The demand for arbitration will be filed in writing with the other party to the Contract and with the selected arbitration administrator, and a copy will be concurrently sent to Engineer for information. The demand for arbitration will be made within the specific time required in Article 17, or, if no specified time is applicable, within a reasonable time after the matter in question has arisen, and in no event will any such demand be

made after the date when institution of legal or equitable proceedings based on such matter in question would be barred by the applicable statute of limitations.

- C. The arbitration will be held in the same municipality as the Owner's principal office location, or other, as directed by the Owner.
- D. The arbitrator(s) must be licensed engineers, contractors, attorneys, or construction managers. Hearings will take place pursuant to the standard procedures of the Construction Arbitration Rules that contemplate in-person hearings. The arbitrator(s) will have no authority to award punitive or other damages not measured by the prevailing party's actual damages, except as may be required by statute or the Contract. Any award in an arbitration initiated under this clause will be limited to monetary damages and include no injunction or direction to any party other than the direction to pay a monetary amount.
- E. The Arbitrator(s) will have the authority to allocate the costs of the arbitration process among the parties, but will only have the authority to allocate attorneys' fees if a specific Law or Regulation or this Contract permits them to do so.
- F. The award of the arbitrator(s) must be accompanied by a reasoned written opinion and a concise breakdown of the award. The written opinion will cite the Contract provisions deemed applicable and relied on in making the award.
- G. The parties agree that failure or refusal of a party to pay its required share of the deposits for arbitrator compensation or administrative charges will constitute a waiver by that party to present evidence or cross-examine witness. In such event, the other party shall be required to present evidence and legal argument as the arbitrator(s) may require for the making of an award. Such waiver will not allow for a default judgment against the non-paying party in the absence of evidence presented as provided for above.
- H. No arbitration arising out of or relating to the Contract will include by consolidation, joinder, or in any other manner any other individual or entity (including Engineer, and Engineer's consultants and the officers, directors, partners, agents, employees or consultants of any of them) who is not a party to this Contract unless:
 - 1. the inclusion of such other individual or entity will allow complete relief to be afforded among those who are already parties to the arbitration;
 - 2. such other individual or entity is substantially involved in a question of law or fact which is common to those who are already parties to the arbitration, and which will arise in such proceedings;
 - 3. such other individual or entity is subject to arbitration under a contract with either Owner or Contractor, or consents to being joined in the arbitration; and
 - 4. the consolidation or joinder is in compliance with the arbitration administrator's procedural rules.
- I. The award will be final. Judgment may be entered upon it in any court having jurisdiction thereof, and it will not be subject to modification or appeal, subject to provisions of the Laws and Regulations relating to vacating or modifying an arbitral award.
- J. Except as may be required by Laws or Regulations, neither party nor an arbitrator may disclose the existence, content, or results of any arbitration hereunder without

the prior written consent of both parties, with the exception of any disclosure required by Laws and Regulations or the Contract. To the extent any disclosure is allowed pursuant to the exception, the disclosure must be strictly and narrowly limited to maintain confidentiality to the extent possible.

17.03 Attorneys' Fees

SC-17.03 Add the following new paragraph immediately after Paragraph 17.02.

SC-17.03 Attorneys' Fees

- A. For any matter subject to final resolution under this Article, the prevailing party shall be entitled to an award of its attorneys' fees incurred in the final resolution proceedings, in an equitable amount to be determined in the discretion of the court, arbitrator, arbitration panel, or other arbiter of the matter subject to final resolution, taking into account the parties' initial demand or defense positions in comparison with the final result.

ARTICLE 18—MISCELLANEOUS

SC-18.11 Add a new paragraph immediately after Paragraph 18.10:

SC-18.11 Confidential Information

- A. All Drawings, Specifications, technical data, and other information furnished to Contractor either by Owner or Engineer or developed by Contractor or others in connection with the Work are, and will remain, the property of Owner or Engineer, and shall not be copied or otherwise reproduced or used in any way except in connection with the Work, or disclosed to third parties or used in any manner detrimental to the interests of Owner or Engineer.
- B. The following information is not subject to the above confidentiality requirements:
1. information in the public domain through no action of Contractor in breach of the Contract Documents; or
 2. information lawfully possessed by Contractor before receipt from Owner or Engineer; or
 3. information required to be disclosed by Laws or Regulations, or by a court or agency of competent jurisdiction. However, in the event Contractor shall be so required to disclose such information, Contractor shall, prior to disclosure, provide reasonable notice to Owner and Engineer, who shall have the right to interpose all objections Owner may have to the disclosure of such information.

SC-18.12 Add a new paragraph immediately after Paragraph 18.11, to read as follows:

SC-18.12 Publicity

- A. Contractor shall not disclose to any third party the nature of its Work on the Project, nor engage in publicity or public media disclosures with respect to the Project without the prior written consent of Owner.

SC-19 Add new article immediately after Article 18, to read as follows:

ARTICLE 19—CALIFORNIA STATE REQUIREMENTS

SC-19.01 *Registration with the California Department of Industrial Relations*

- A. This project is a “public works” project as defined in California Labor Code Section 1720 through 1743. In accordance with California Labor Code Article 1725.5, Contractor and all subcontractors are required to be registered with the California Department of Industrial Relations (DIR) in order to bid or be listed on a bid and/or work on a public works project.

SC-19.02 *Antitrust Claim Settlement*

- A. In entering into a public works contract or a subcontract to supply goods, services, or materials pursuant to a public works contract, the Contractor or Subcontractor offers and agrees to assign to the awarding body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services, or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time the awarding body tenders final payment to the Contractor, without further acknowledgment by the parties.

SC-19.03 *Utilities*

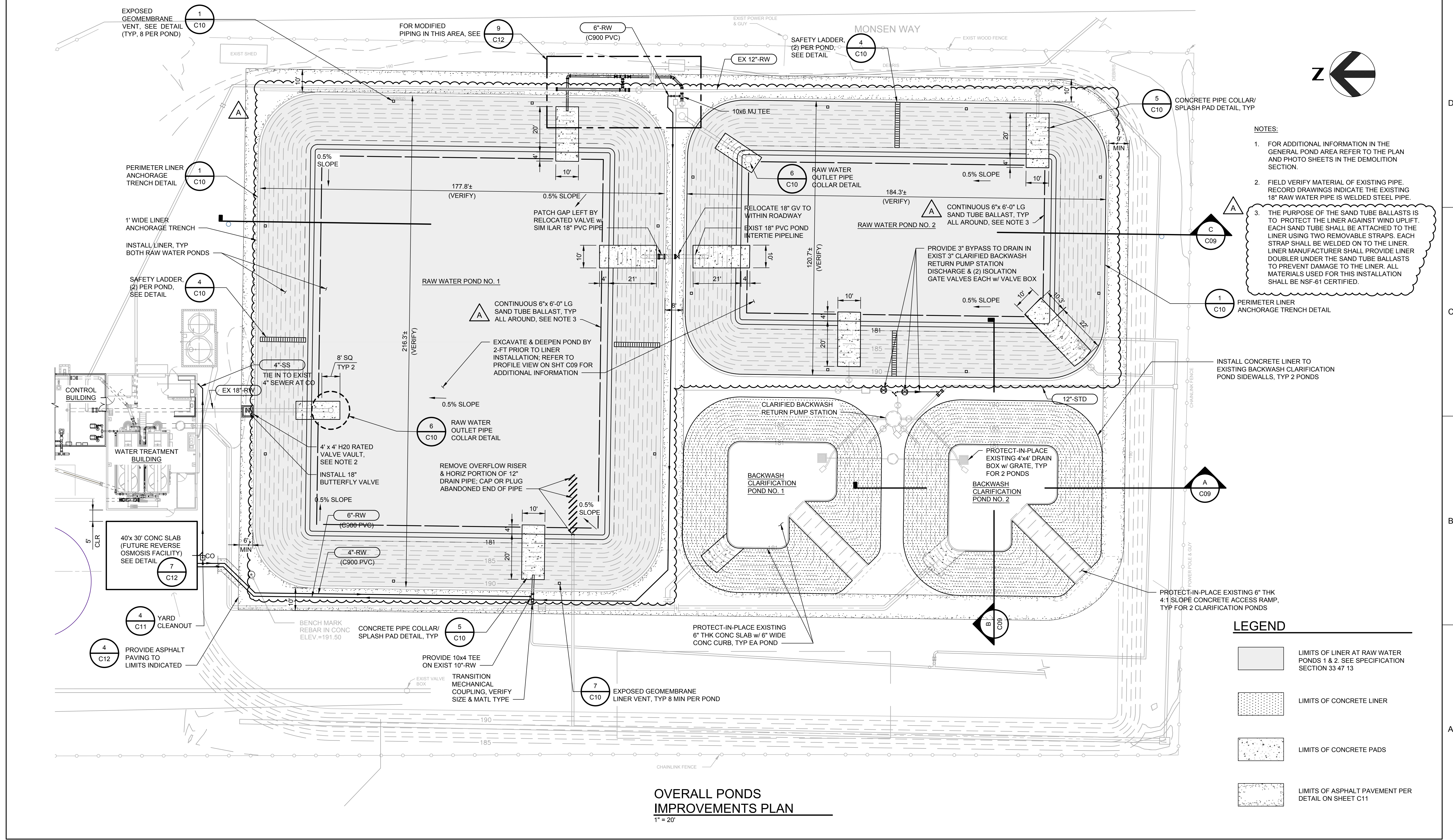
- A. Contractor shall be responsible for marking all excavations and notifying Underground Service Alert (USA) at least 48 hours before digging and follow all other provisions of California Government Code Sections 4216 through 4216.9. Contractor shall maintain an active USA ticket number for the entire duration of the excavation.
- B. Unless otherwise indicated in the Contract Documents, all utility lines, conduits, wires, or structures shall be maintained by the Contractor and shall not be disturbed, disconnected, or damaged by him during the progress of the Work, provided, that should the Contractor in the performance of the Work disturb, disconnect, or damage any of the above, all expenses arising from such disturbance or in the replacement or repair thereof shall be borne by the Contractor. However, in accordance with Section 4215 of the California Government Code, the Contractor shall be compensated for all costs of locating and repairing damage to main or trunkline utility facilities located on the work site and for costs of operating equipment on the work site necessarily idled during such work where the Contractor has exercised reasonable care in removing or relocating utility facilities which are inaccurately indicated in the Contract Documents.

SC-20 Add new article immediately after Article 19, to read as follows:

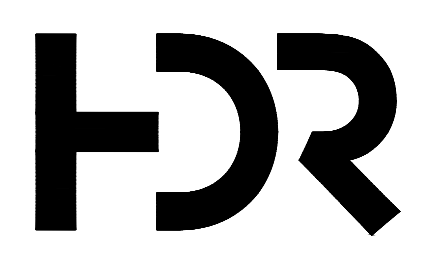
ARTICLE 20—FUNDING-FINANCING ENTITY REQUIREMENTS

SC-20.1 *Funding-Financing Entity Requirements*

- A. This project is receiving funding and/or financing from the Drinking Water State Revolving Fund (DWSRF), therefore Contractor shall comply with procedures and requirements set forth in Section 00 73 73.



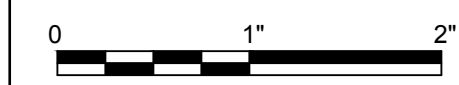
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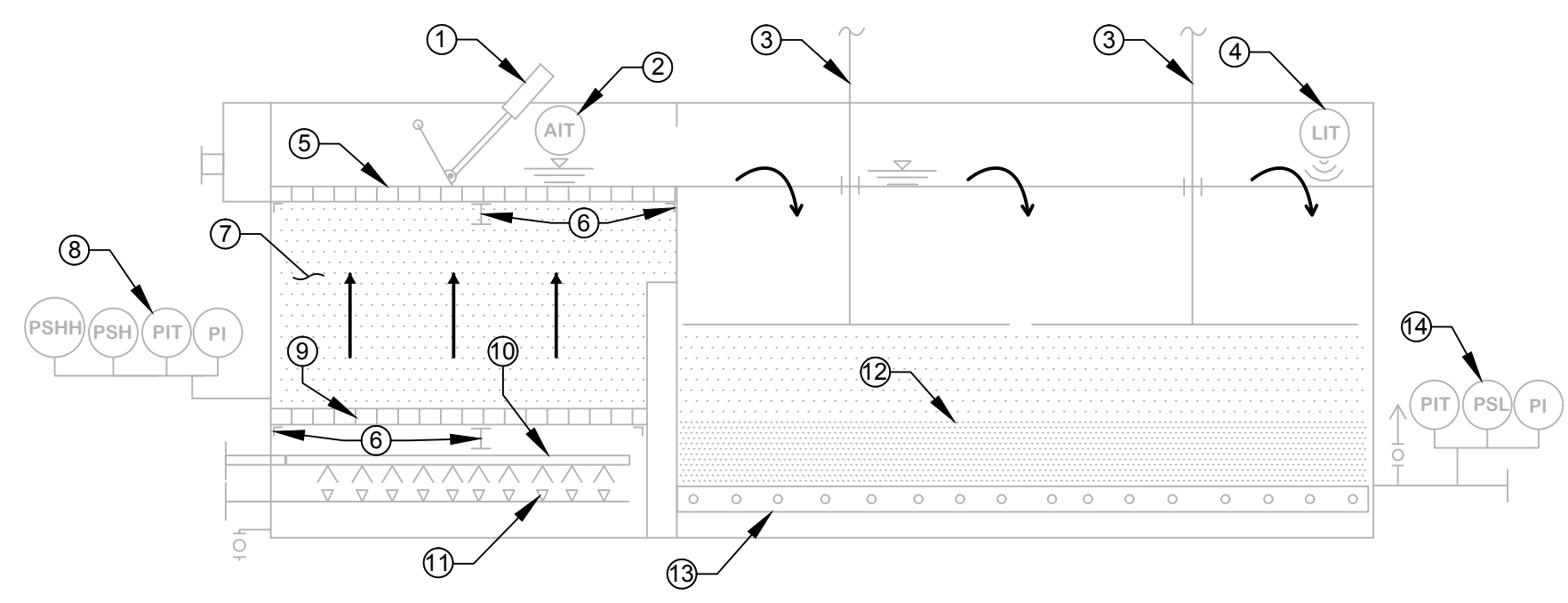


ISSUE	DATE	DESCRIPTION
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0	12/22	ISSUED FOR BID

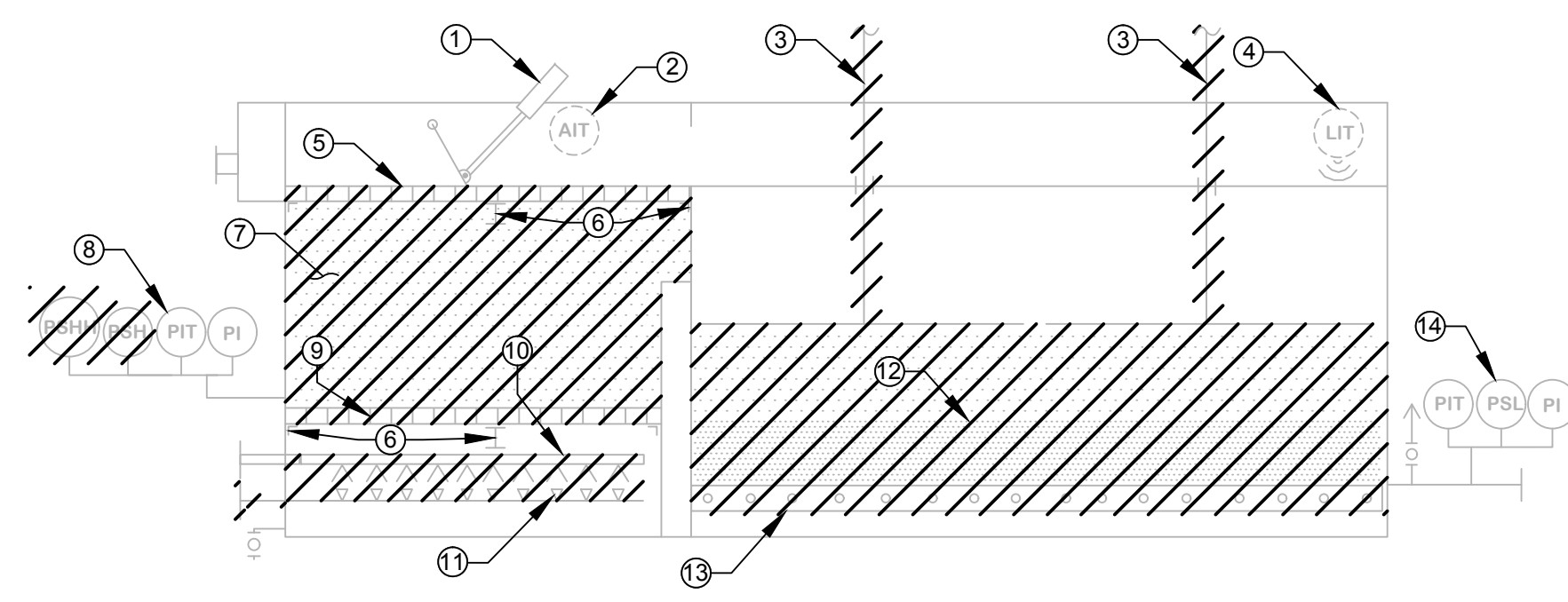


City of Fort Bragg
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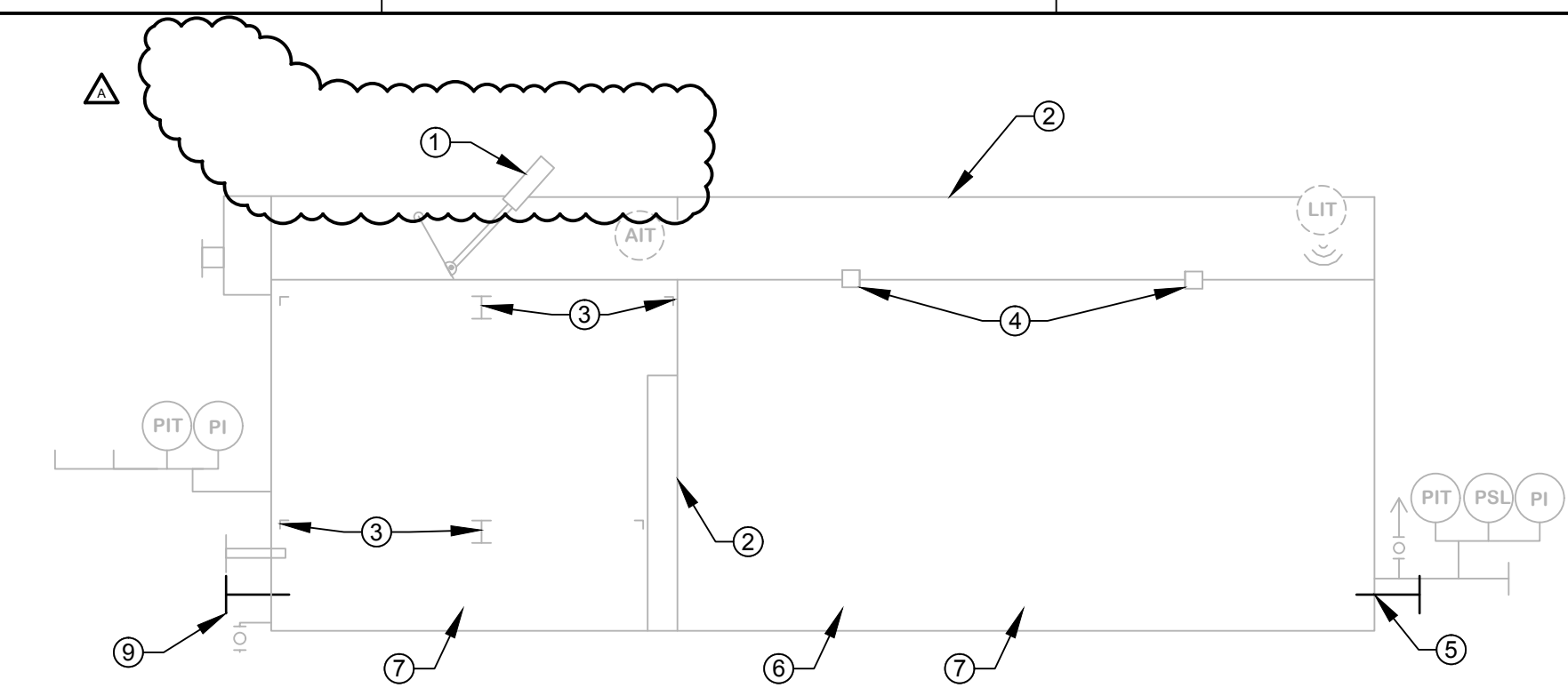




STAGE I



STAGE II



STAGE III

- KEYNOTES:**
1. HYDRAULICALLY ACTUATED WASTE GATE.
 2. TURBIDIMETER.
 3. SURFACE WASH SYSTEM.
 4. LEVEL INSTRUMENT.
 5. MEDIA RETENTION SCREEN.
 6. SCREEN STRUCTURAL SUPPORT MEMBERS.
 7. CLARIFIER ADSORPTION MEDIA.
 8. CLARIFIER PRESSURE SWITCH ASSEMBLY.
 9. LOWER MEDIA SUPPORT GRATING.
 10. INFLUENT DISTRIBUTION MANIFOLD.
 11. AIR DISTRIBUTION MANIFOLD.
 12. FILTER MEDIA.
 13. FILTER EFFLUENT AND BACKWASH MANIFOLD.
 14. FILTER HEADLOSS PRESSURE SWITCH ASSEMBLY.

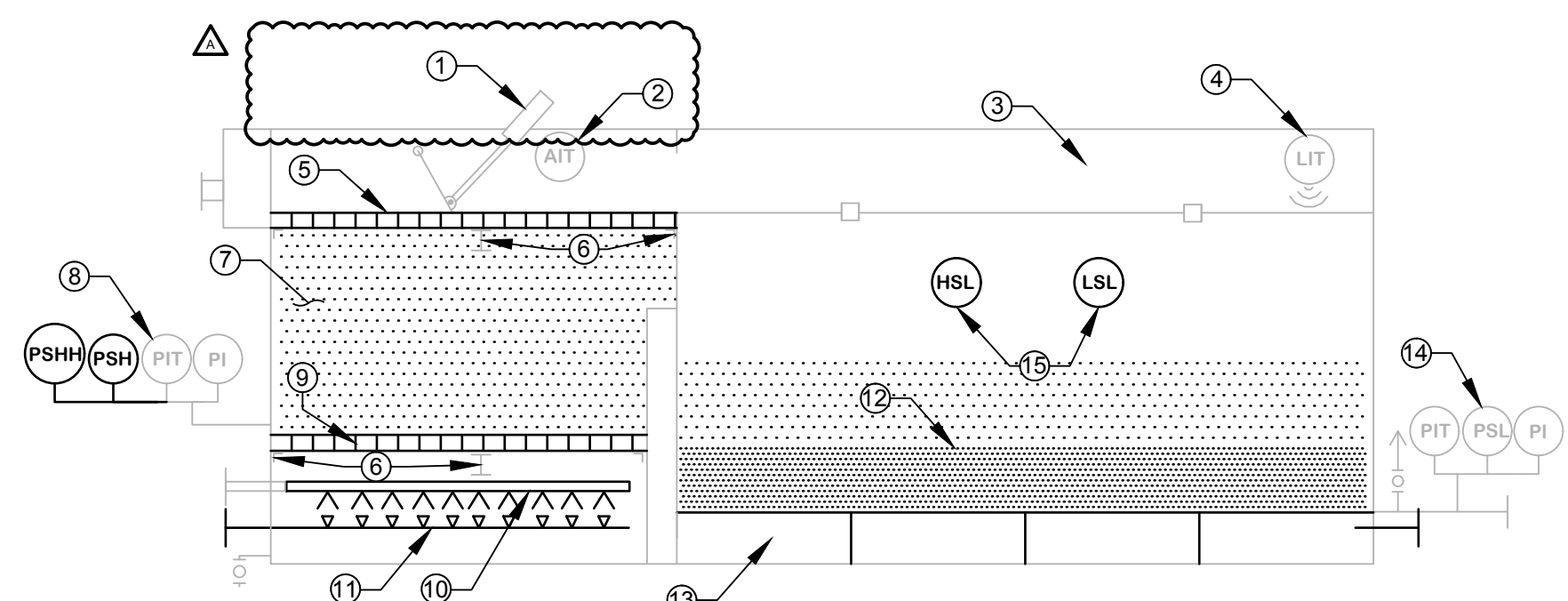
- STAGE I NOTES:**
1. DUE TO HIGH WATER DEMAND, THE TREATMENT PLANT RELIES ON BOTH FILTER TREATMENT UNITS (FTU), WITHOUT ANY STANDBY UNITS. FROM THE BEGINNING OF MARCH THROUGH THE END OF OCTOBER, THE FTUS SHALL BE REHABILITATED ONE AT A TIME DURING THE LOW DEMAND PERIOD. THE LOW DEMAND PERIOD STARTS IN THE BEGINNING OF NOVEMBER AND ENDS IN FEBRUARY.
 2. STAGE I OCCURS DURING THE HIGH DEMAND SEASON AND SHALL BE EXECUTED PRIOR TO THE BEGINNING OF THE LOW DEMAND SEASON.
 3. PROCURE ALL MATERIALS FOR REHABILITATION WORK DURING THIS STAGE.
 4. PLAN AND PREPARE FOR REHABILITATION WORK DESCRIBED IN SUBSEQUENT PHASES TO MINIMIZE DELAYS DURING THE REHABILITATION WORK. COORDINATE WITH THE FTU MANUFACTURER PRIOR TO THE DEMOLITION WORK TO IDENTIFY ITEMS TO BE SALVAGED FOR REUSE.
 5. LOCATE AN OFFSITE DISPOSAL SITE WHICH WILL ACCEPT ITEMS IDENTIFIED TO BE DEMOLISHED AND DISPOSED.
 6. TEMPORARILY RELOCATE, AS NECESSARY, EQUIPMENT AND OTHER OPERATIONAL ELEMENTS MOUNTED ON THE EXTERIOR FACE OF THE FTU AND IMPEDING ACCESS TO THE REHABILITATION WORK. SEE GENERAL NOTE 6.
 7. INSTALL BLOWERS, PIPING MODIFICATIONS, AND COMMON INSTRUMENTS AND APPURTENANCES PRIOR TO START OF REHABILITATION WORK. THESE UPGRADES WILL BE REQUIRED TO BE OPERATIONAL IN ADVANCE TO MAKE THE FTU UPGRADES FUNCTION EFFECTIVELY. PROVIDE NECESSARY TEMPORARY AND PERMANENT PROVISIONS TO MAKE THE FTUS OPERATIONAL UNTIL ALL UPGRADES ARE COMPLETED.

- KEYNOTES:**
1. PROTECT IN PLACE AND PREPARE FOR RE-COATING.
 2. TEMPORARILY REMOVE TO ACCOMMODATE WORK.
 3. DEMOLISH AND DISPOSE.
 4. TEMPORARILY REMOVE TO ACCOMMODATE WORK.
 5. DEMOLISH AND DISPOSE.
 6. PROTECT IN PLACE AND REPAIR AND PREPARE FOR RE-COATING.
 7. DISPOSE.
 8. REMOVE AND REPLACE "HIGH-HIGH" AND "HIGH" PRESSURE SWITCHES AND SALVAGE AND REUSE PRESSURE INDICATOR AND PRESSURE TRANSDUCER.
 9. DEMOLISH AND DISPOSE.
 10. DEMOLISH AND DISPOSE MANIFOLD PIPING AND FLANGE CONNECTION AND PREPARE FOR RE-COATING MANIFOLD SUPPORTS.
 11. DEMOLISH AND DISPOSE INTERNAL PORTION AND PROTECT, REPAIR AND PREPARE FOR RE-COATING EXTERNAL FLANGE CONNECTION AND MANIFOLD SUPPORTS.
 12. DISPOSE.
 13. DEMOLISH AND DISPOSE INTERNAL PORTION AND PROTECT EXTERNAL FLANGE CONNECTION.
 14. SALVAGE AND REUSE.

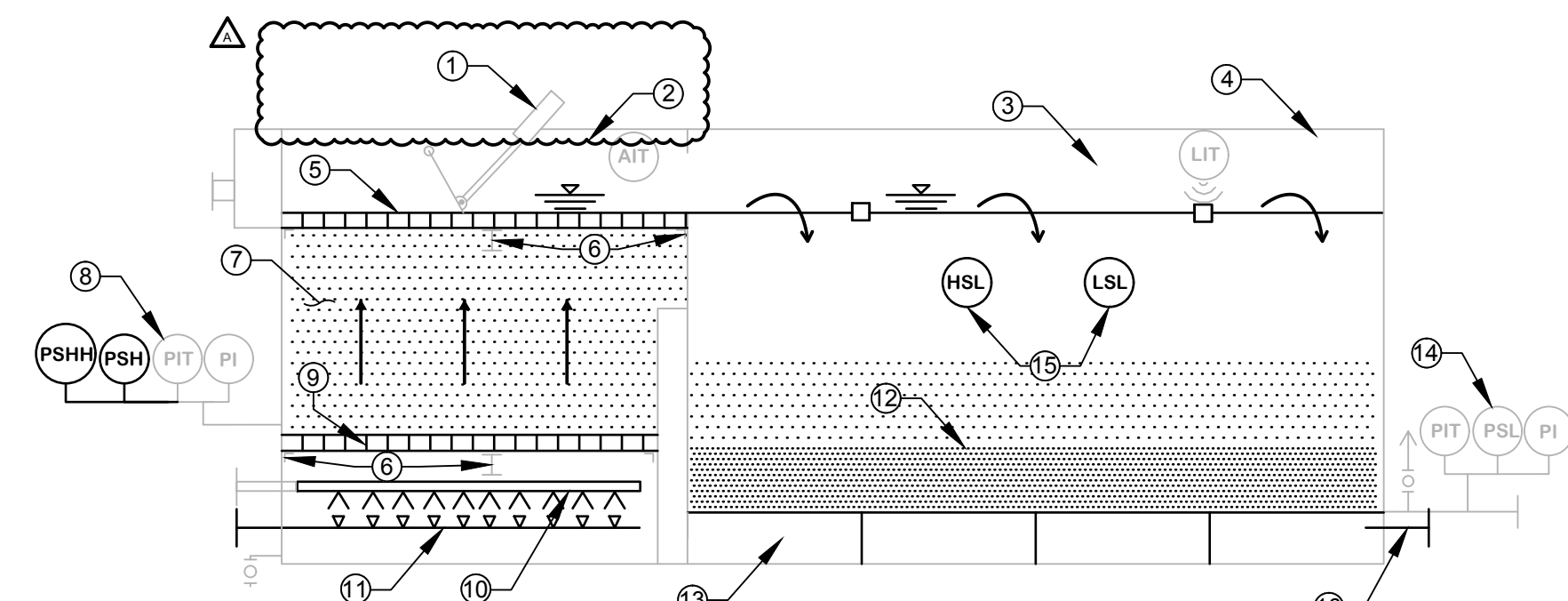
- STAGE II NOTES:**
1. STAGE II, III, AND IV SHALL BE EXECUTED DURING THE LOW DEMAND SEASON. A MINIMUM OF ONE FTU SHALL BE FULLY OPERATIONAL THROUGHOUT THE LOW DEMAND SEASON.
 2. EXECUTION OF WORK SEQUENCE SHOWN IN STAGE II, III, AND IV SHALL BE LIMITED TO ONE FTU AT ANY GIVEN TIME. ALL REHABILITATION WORK SHALL BE FULLY EXECUTED ON THE GIVEN FTU AND MADE OPERATIONAL PRIOR TO BEGINNING WORK ON THE UNREHABILITATED FTU.
 3. COORDINATE WITH OWNER FOR SHUTDOWN OF THE FTU. PROVIDE A MINIMUM OF TWO WEEKS NOTICE PRIOR TO THE SHUTDOWN.
 4. STORAGE OF DEMOLISHED ITEMS IN THE WATER TREATMENT BUILDING IS NOT ACCEPTABLE. ALL DEMOLISHED ITEMS SHALL BE IMMEDIATELY REMOVED FROM THE BUILDING WITHOUT ANY EXCEPTIONS.
 5. CONTRACTOR IS SOLELY RESPONSIBLE FOR MAKING PROVISIONS SO THAT THE WORK DOES NOT IMPACT PLANT OPERATIONS. MAINTAIN CONTINUOUS ACCESS TO ALL OPERATIONAL EQUIPMENT FOR O&M. PROVIDE TENTING AS NECESSARY TO AVOID POLLUTION OF WATER IN OPERATIONAL FTUS.

- KEYNOTES:**
1. WELD ON EYE LID ON THE WASTE GATE AND RECOAT.
 2. RECOAT INSIDE AND OUTSIDE OF THE FTU WITHOUT ANY EXCEPTIONS.
 3. REPAIR AND RECOAT STRUCTURAL MEMBERS AND REPLACE ALL EXISTING HARDWARE.
 4. WELD ON PLUGS IN EXISTING OPENINGS AND COAT.
 5. CUT IN A NEW OPENING FOR AIR DISTRIBUTION AND WELD IN A FLANGE CONNECTION AND THEN COAT.
 6. MODIFY AND/OR INSTALL TANK WALL STIFFENERS AND APPLY COATING.
 7. MODIFY AND/OR INSTALL SUPPORTS OF PIPING MANIFOLDS AND APPLY COATING.
 8. CUT IN A LARGER OPENING AND WELD IN A LARGER FLANGE CONNECTION FOR AIR DISTRIBUTION AND THEN COAT.

- STAGE III NOTES:**
1. CLEANING, SURFACE PREPARATION FOR COATING, REPAIRS, AND RE-COATING WORK SHALL BE EXECUTED DURING STAGE III.
 2. UPON COMPLETION OF THE DEMOLITION, THOROUGHLY CLEAN THE FTU AND THEN INSTALL STRUCTURAL UPGRADES INCLUDING BUT NOT LIMITED TO WELDING OF TANK STIFFENERS, WELDING OF A FLANGE CONNECTION FOR AIR DISTRIBUTION, AND MAKE REPAIRS TO ALL SALVAGED STRUCTURAL ELEMENTS PRIOR TO SURFACE PREPARATION FOR RE-COATING.
 3. AFTER THE SURFACE PREPARATION (SANDBLASTING) CONTRACTOR SHALL, WITH THE OWNER, JOINTLY INSPECT THE TANK TO IDENTIFY AREAS SUBJECT TO SEVERE CORROSION AND DETERIORATION. AREAS WITH SEVERE DETERIORATION SHALL BE REPAIRED PRIOR TO RE-COATING WORK.
 4. RE-COAT THE ENTIRE INSIDE AND OUTSIDE OF THE FTU. RECOAT ALL SALVAGED ELEMENTS INSIDE THE TANK.
 5. REPLACE ALL GASKET MATERIALS FOUND INSIDE THE TANK.
 6. DISINFECT SECTIONS OF THE FTU TO BE CONCEALED BY WORK IN STAGE IV PRIOR TO STARTING STAGE IV WORK.
 7. REFER TO THE COATING SPECIFICATION SECTION FOR MORE MORE INFORMATION.



STAGE IV



STAGE V

- KEYNOTES:**
1. PREPARE FOR OPERATION
 2. REINSTALL TURBIDIMETER
 3. PROTECT COATING
 4. REINSTALL LEVEL INSTRUMENT
 5. INSTALL REPLACEMENT MEDIA RETENTION SCREEN
 6. REPLACE ALL HARDWARE AND GASKETS
 7. INSTALL REPLACEMENT MEDIA
 8. INSTALL REPLACEMENT PRESSURE SWITCHES
 9. INSTALL REPLACEMENT MEDIA SUPPORT GRATING
 10. INSTALL REPLACEMENT INFLUENT DISTRIBUTION MANIFOLD
 11. INSTALL REPLACEMENT AIR DISTRIBUTION MANIFOLD
 12. INSTALL REPLACEMENT FILTER MEDIA
 13. INSTALL NEW MULTIBLOCK UNDERDRAIN AND RELATED CONCRETE FILL
 14. REINSTALL FILTER HEADLOSS PRESSURE SWITCH ASSEMBLY
 15. INSTALL NEW LEVEL SWITCHES

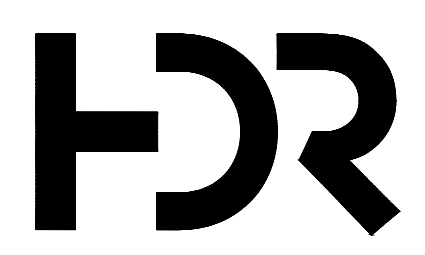
- STAGE IV NOTES:**
1. STAGE IV STARTS AFTER ALL REHABILITATION WORK FROM STAGE III IS COMPLETED. ALL WORK NOT EXECUTED IN PREVIOUS STAGES, BUT WHICH IS REQUIRED TO MAKE THE UPGRADED FTUS OPERATIONAL SHALL BE EXECUTED DURING THIS STAGE. ALL PROGRAMMING AND TESTING SHALL BE EXECUTED IN THIS STAGE.
 2. PRIOR TO MAKING THE FTU OPERATIONAL, PERFORM DISINFECTION PER AWWA STANDARDS. REPEAT DISINFECTION PROCEDURES UNTIL SATISFACTORY BACTERIOLOGICAL TEST RESULTS ARE OBTAINED.
 3. INSTALL THE FTU PROCESS CONTROL PANEL ALONGSIDE THE REHABILITATION OF THE FIRST OF TWO FTUS. CONTRACTOR IS SOLELY RESPONSIBLE FOR MAKING NECESSARY, TEMPORARY OR PERMANENT, PROVISIONS TO FACILITATE A SMOOTH TRANSITION BETWEEN THE EXISTING AND THE REBUILT FTU PROCESS CONTROL PANEL.

- KEYNOTES:**
1. HYDRAULICALLY ACTUATED WASTE GATE
 2. TURBIDIMETER
 3. RECOATED FTU TANK
 4. LEVEL INSTRUMENT
 5. MEDIA RETENTION SCREEN
 6. SCREEN STRUCTURAL SUPPORT MEMBERS
 7. CLARIFIER ADSORPTION MEDIA
 8. UPGRADED CLARIFIER PRESSURE SWITCH ASSEMBLY
 9. LOWER MEDIA SUPPORT GRATING
 10. INFLUENT DISTRIBUTION MANIFOLD
 11. AIR DISTRIBUTION MANIFOLD
 12. FILTER MEDIA
 13. MULTIBLOCK UNDERDRAIN
 14. FILTER HEADLOSS PRESSURE SWITCH ASSEMBLY
 15. LEVEL SWITCHES
 16. AIR CONNECTION

- STAGE V NOTES:**
1. BRING THE UPGRADED FTU ONLINE.

- GENERAL NOTES:**
1. THE PURPOSE OF THIS SEQUENCING PLAN IS TO PROVIDE GENERAL GUIDANCE IN PLANNING THE WORK. CONTRACTOR IS SOLELY RESPONSIBLE FOR DEVELOPING A DETAILED SEQUENCE OF WORK THAT ACCOMPLISHES THE WORK SHOWN IN THE CONTRACT DOCUMENTS WITH MINIMUM POSSIBLE INTERRUPTION TO THE EXISTING FACILITIES AND WHICH COMPLIES WITH ALL THE LIMITATIONS AND RESTRICTIONS OF PLANT OPERATIONS.
 2. INTERRUPTIONS TO POWER SUPPLY SHALL BE LIMITED TO A MAXIMUM OF 8 HOURS FOR ELECTRICAL SYSTEM MODIFICATIONS. INTERRUPTIONS SHALL BE COORDINATED WITH THE CITY 30-DAYS IN ADVANCE. THE INTERRUPTIONS SHALL BE LIMITED TO EVENINGS AFTER 4:30 PM.
 3. TEMPORARILY RELOCATE EXISTING CHEMICAL METERING EQUIPMENT AS NECESSARY TO INSTALL REPLACEMENT CHEMICAL METERING EQUIPMENT.
 4. OPERATIONAL INTERRUPTIONS WHICH REQUIRE BOTH FTU'S TO BE OFFLINE SHALL BE LIMITED TO 8 HOURS. INTERRUPTIONS SHALL BE LIMITED TO AND COORDINATED IN EVENING AFTER 4:30 PM.
 5. WATER TREATMENT BUILDING ROOFING REPLACEMENT SHALL BE EXECUTED DURING THE SUMMER TIME/HIGH DEMAND SEASON TO AVOID CONFLICT WITH FTU REHABILITATION AND UPGRADE WORK.
 6. THIS EQUIPMENT WILL NEED TO BE TEMPORARILY RELOCATED AND SUPPORTED AWAY FROM THE FTU AND ANY WIRING NEEDED TO OPERATE THE OTHER FTU WILL NEED TO BE TEMPORARILY EXTENDED AND CONNECTED TO THE RELOCATED EQUIPMENT.

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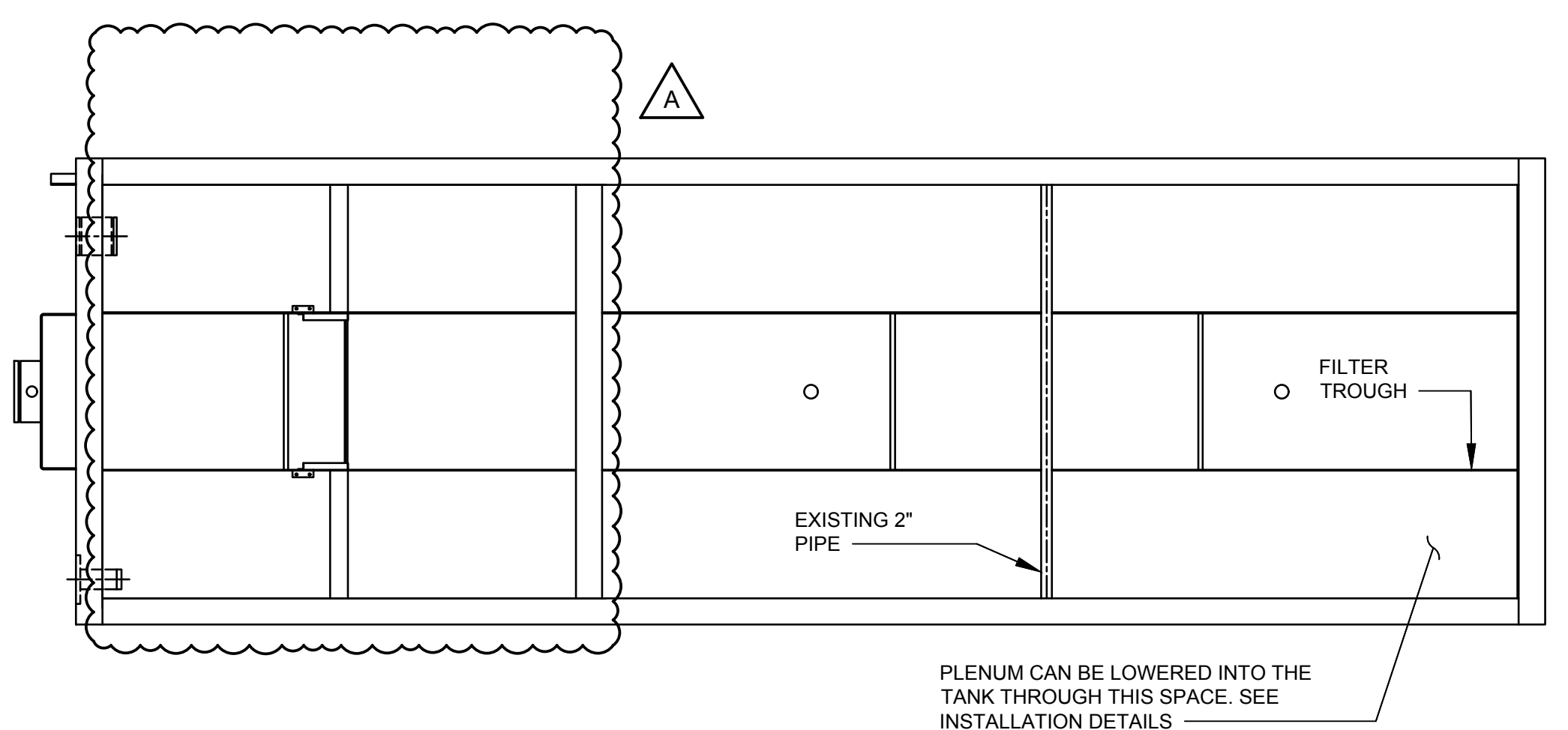
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DESIGNED	A. SINGH
CHECKED	T. KONTONICKAS
DRAWN	S. LARI
DATE	12/2022
PROJECT NUMBER	10276484



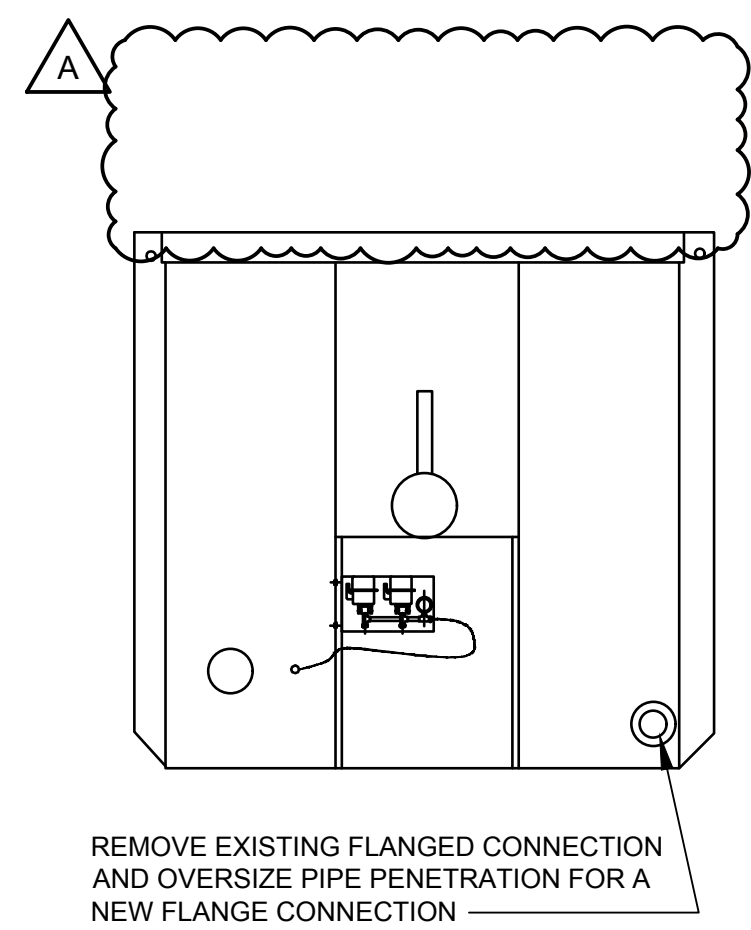
**City of Fort Bragg
Water Treatment Plant
Rehabilitation Project**

**REHABILITATION
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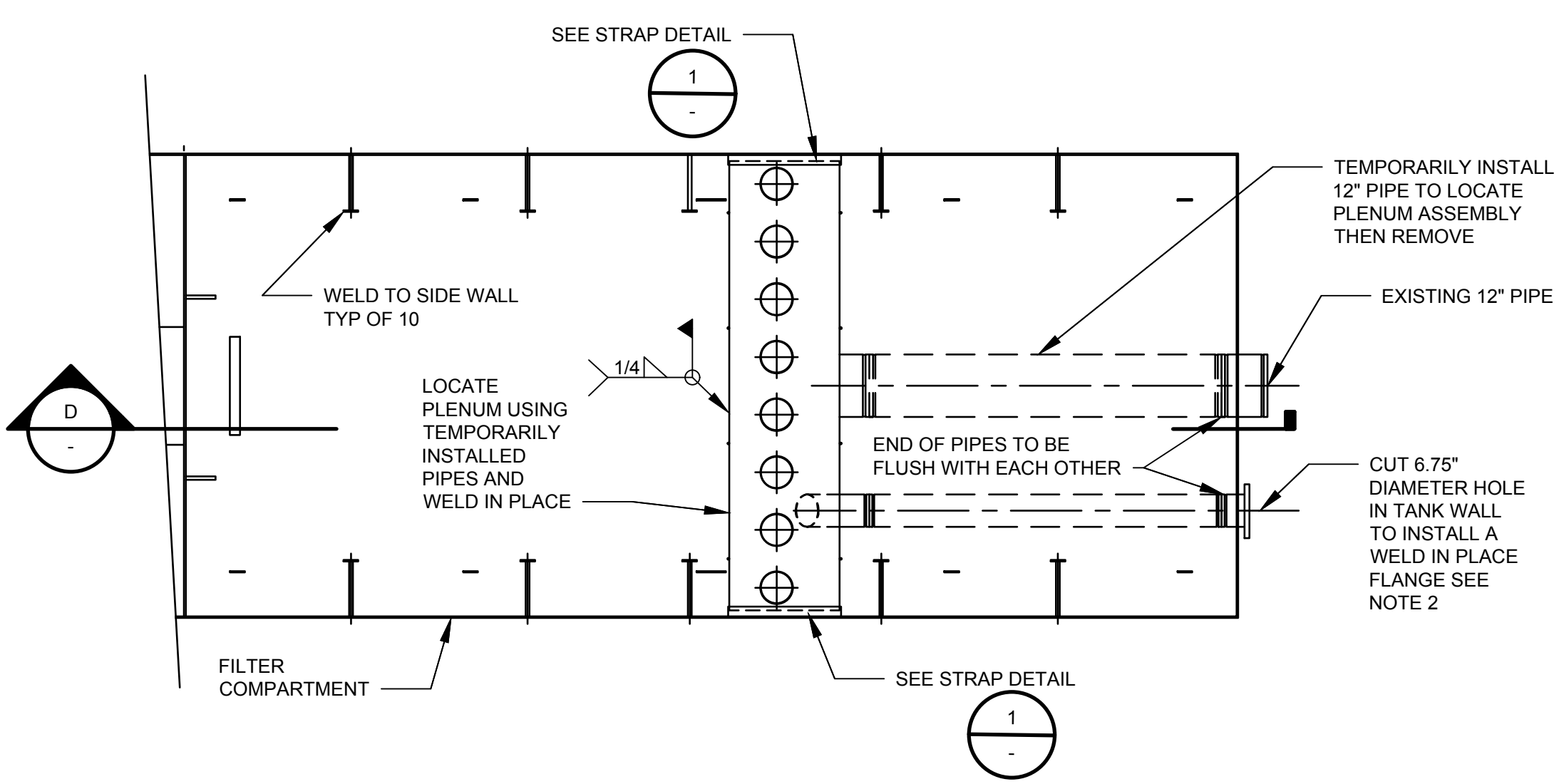
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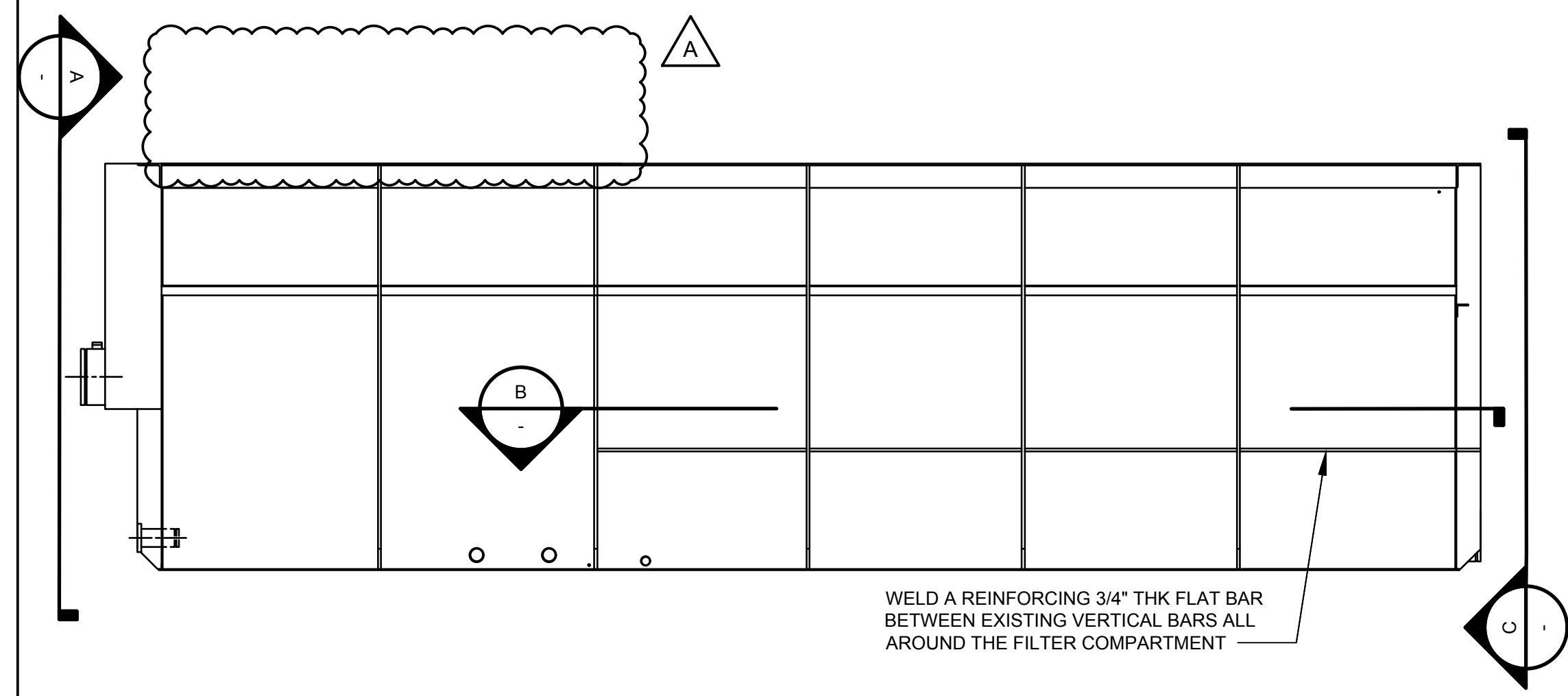


SECTION A-A
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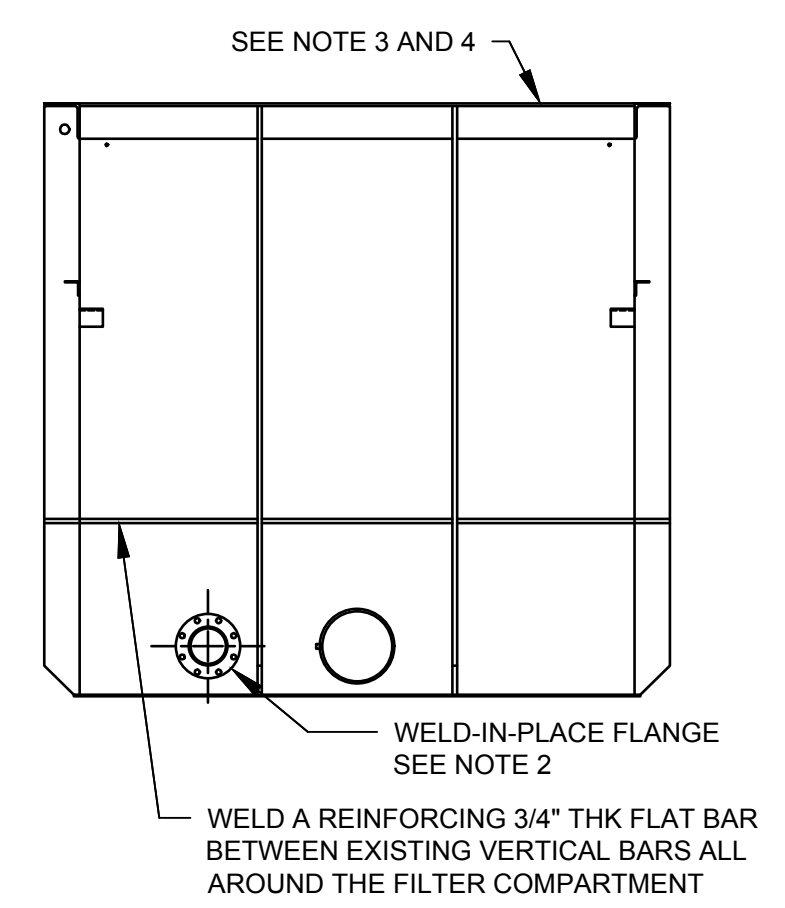


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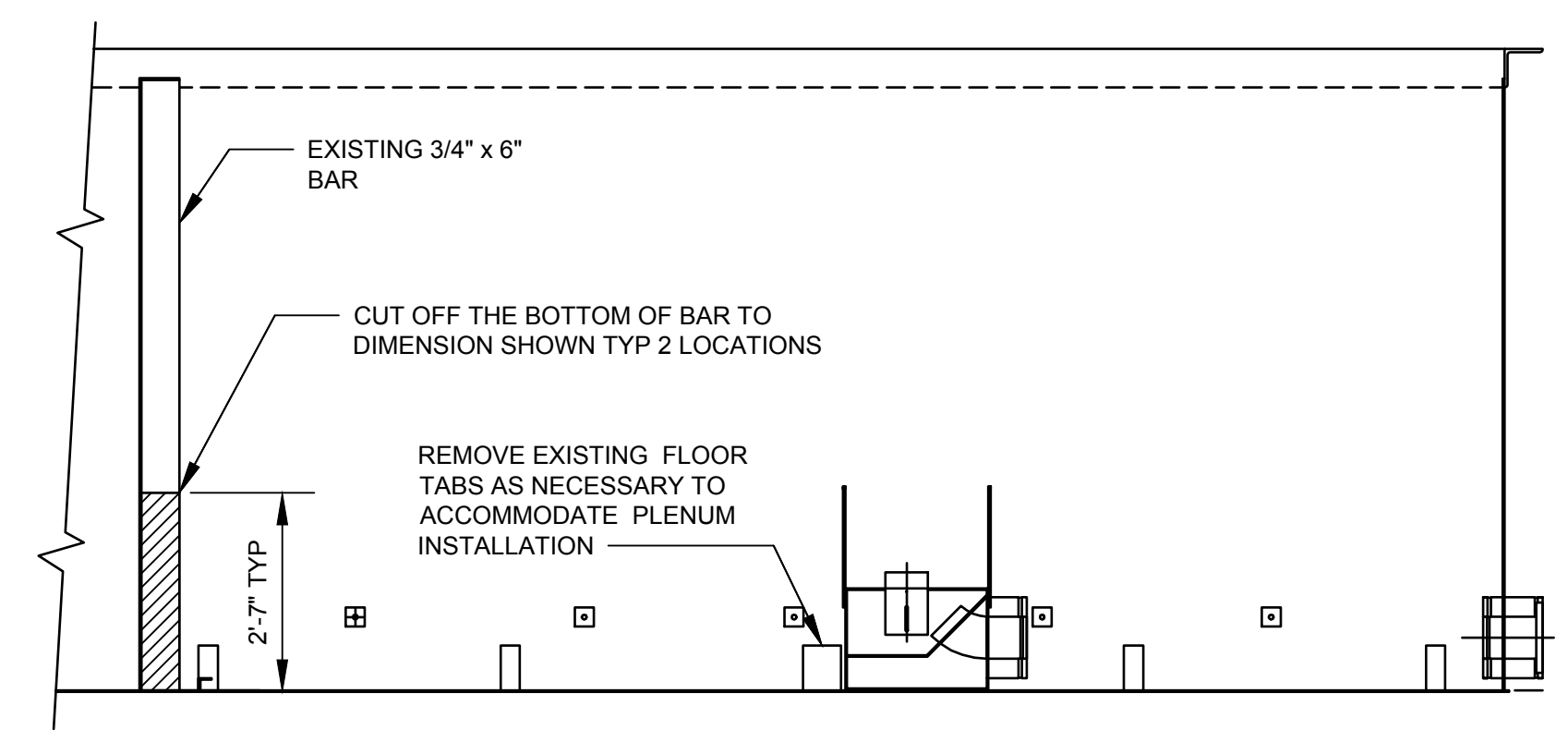
- NOTES:**
1. ALL WELDS TO BE CONTINUOUS, ALL AROUND, UNLESS OTHERWISE INDICATED.
 2. FLANGE BOLT HOLES SHALL STRADDLE THE VERTICAL AND HORIZONTAL.
 3. ALL WELD SCALE, SLAG, WELD SPLATTER AND ANTI SPLATTER COMPOUNDS SHALL BE REMOVED AND SHARP EDGES GROUNDED PER GENERAL INDUSTRY PRACTICE BEFORE SANDBLASTING AND PAINTING.
 4. ALL THREADS AND COUPLINGS SHALL BE PROTECTED DURING SANDBLAST AND PAINT.



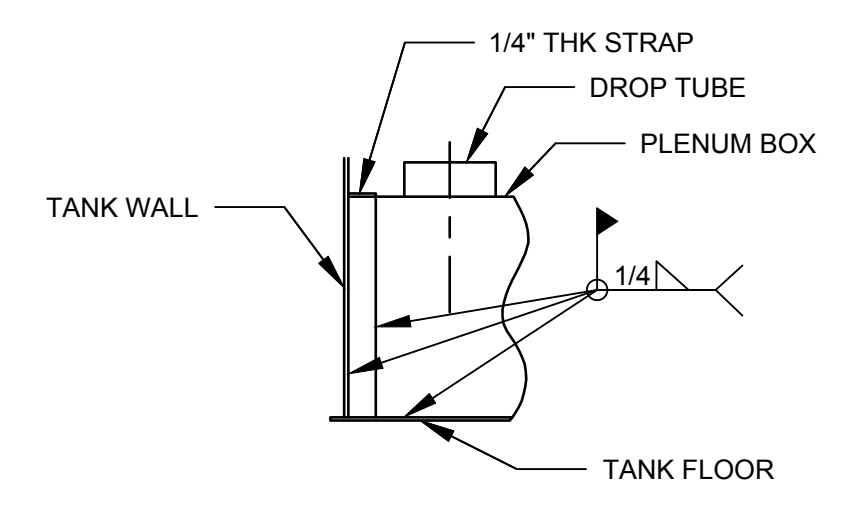
EXTERIOR TANK STRUCTURAL UPGRADES ELEVATION VIEW
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SECTION C-C
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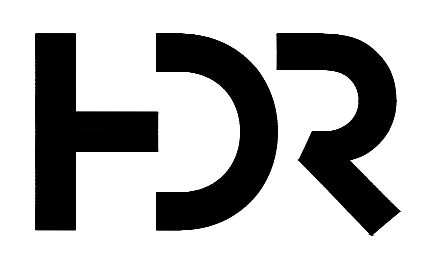
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ISSUE	DATE	DESCRIPTION
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0	12/22	ISSUED FOR BID

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DESIGNED	ARASHDEEP SINGH
DESIGNED	A. SINGH
CHECKED	T. KONTONICKAS
DRAWN	S. LARI
DATE	12/2022
PROJECT NUMBER	
10276484	



**City of Fort Bragg
Water Treatment Plant
Rehabilitation Project**

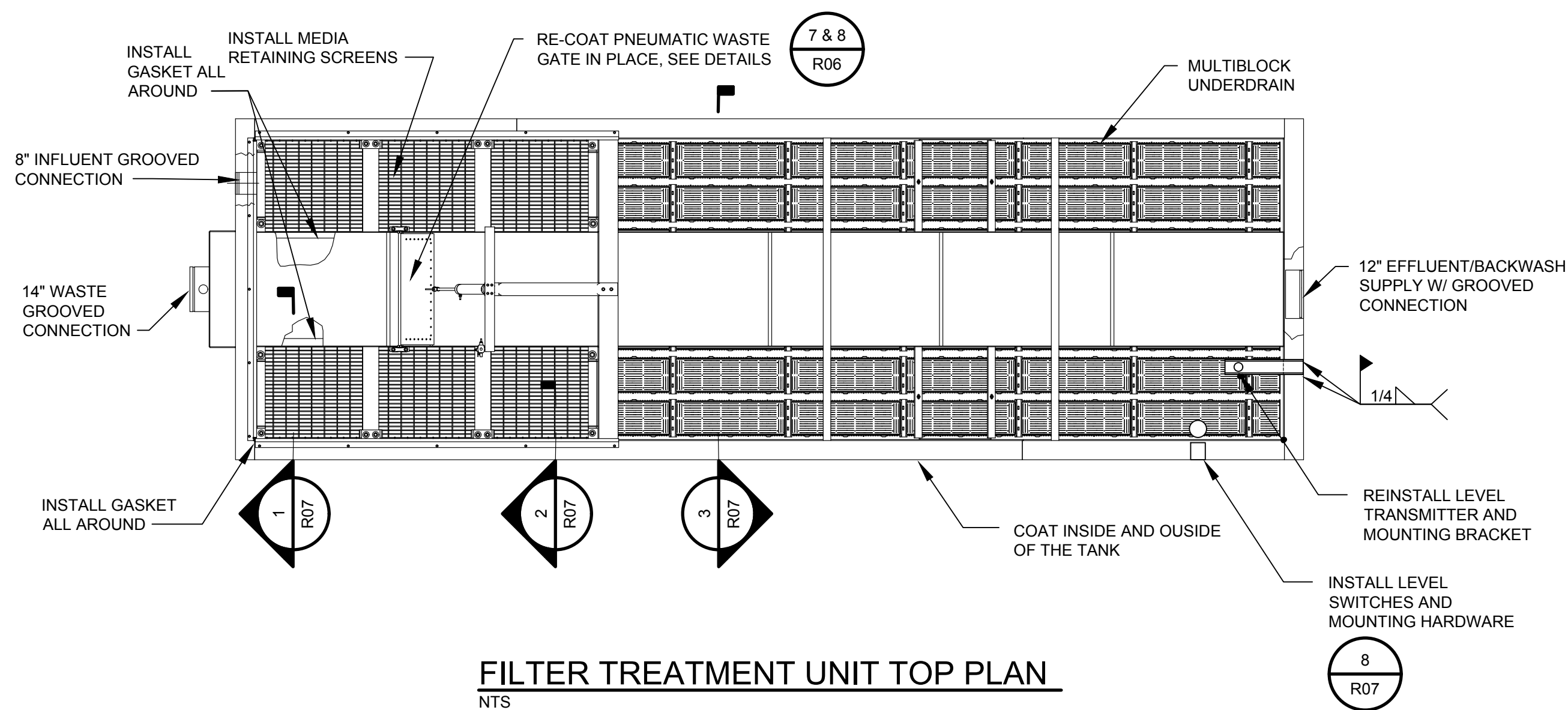
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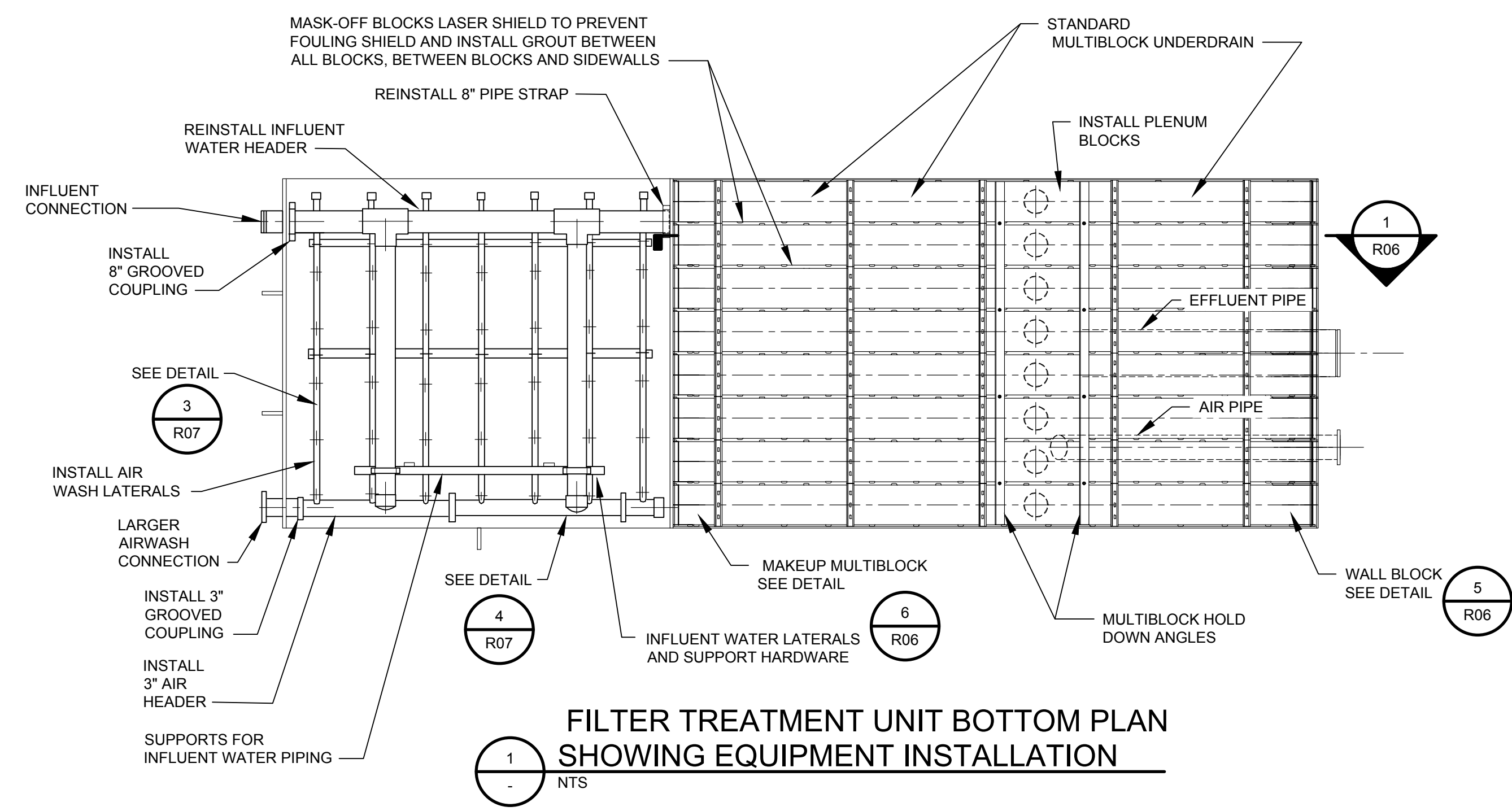
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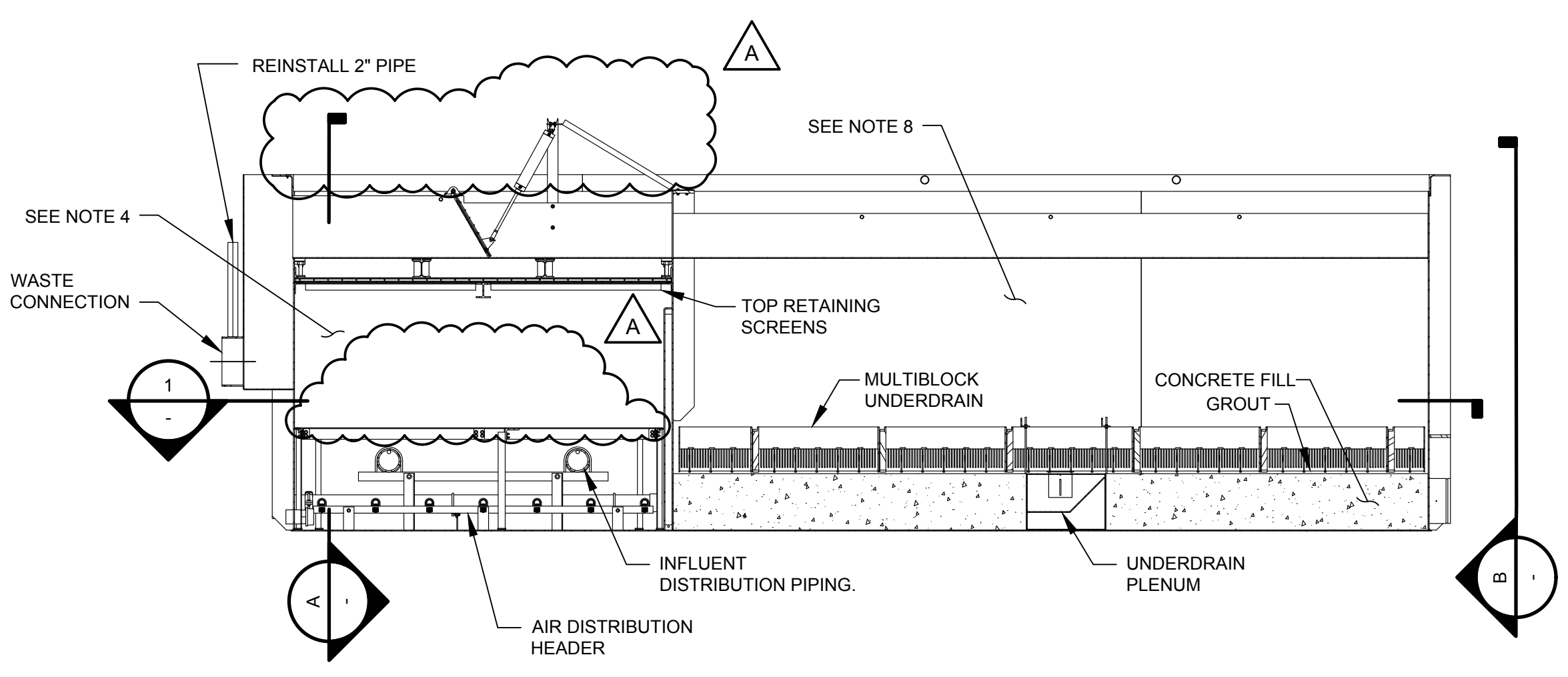
- ALL BOLTS AND NUTS SHALL BE INSTALLED WITH A FLAT WASHER AGAINST PAINTED SURFACES. ALL FASTENERS SHALL BE TIGHTENED TO PROVIDE A SNUG FIT. DO NOT OVER TIGHTEN.
- ALL ELEMENTS OF THE FILTER TREATMENT REHABILITATION TO BE ASSEMBLED AND INSTALLED IN THE FIELD.
- REMOVE ALL FOREIGN MATERIAL FROM TANK INTERIOR PRIOR TO MEDIA INSTALLATION.
- REPLACEMENT MEDIA SHOULD BE PLACED IN ADSORPTION CLARIFIER AFTER ALL AIR WASH LATERALS AND SUPPORTS HAVE BEEN ASSEMBLED AND PRIOR TO INSTALLATION OF MEDIA RETAINER COVER. THERE SHALL BE NO UNSCREENED OPENINGS IN MEDIA RETAINING COVER. FOLLOW MANUFACTURERS INSTRUCTIONS.
- INSTALL GASKET BETWEEN MEDIA RETAINER SCREENS AND UNDER EDGES OF THE SCREENS.
- ALL AIR NOZZLES MUST BE COMPLETELY LEVEL.
- APPLY ADHESIVE, 3M ADHESIVE #77, ON ONE EDGE OF GRATING PRIOR TO ATTACHING GASKET MATERIAL.
- INSTALL REPLACEMENT FILTER MEDIA AFTER ALL UPGRADE AND REHABILITATION WORK IS COMPLETED. FILTER MEDIA NOT SHOWN.



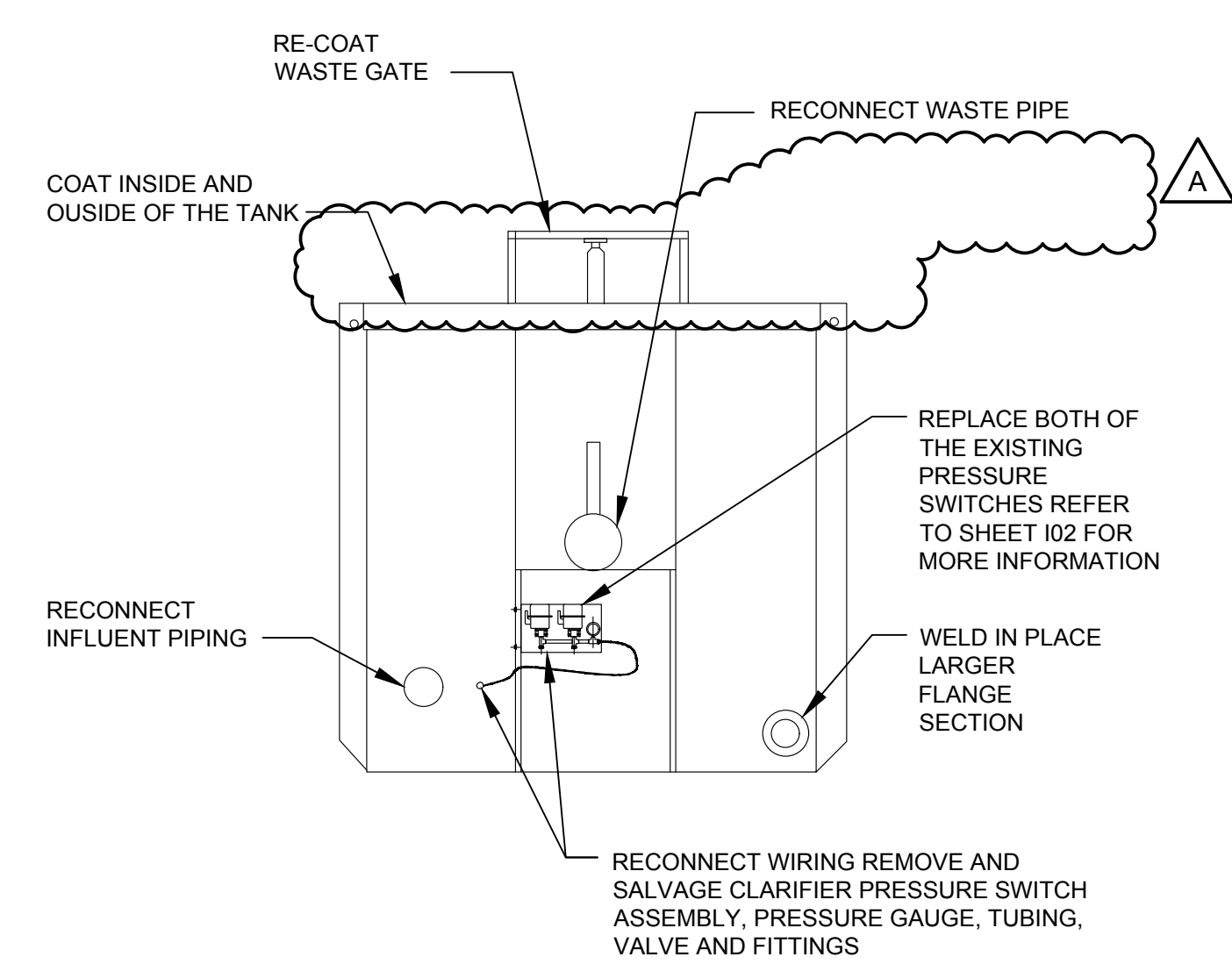
FILTER TREATMENT UNIT TOP PLAN
NTS



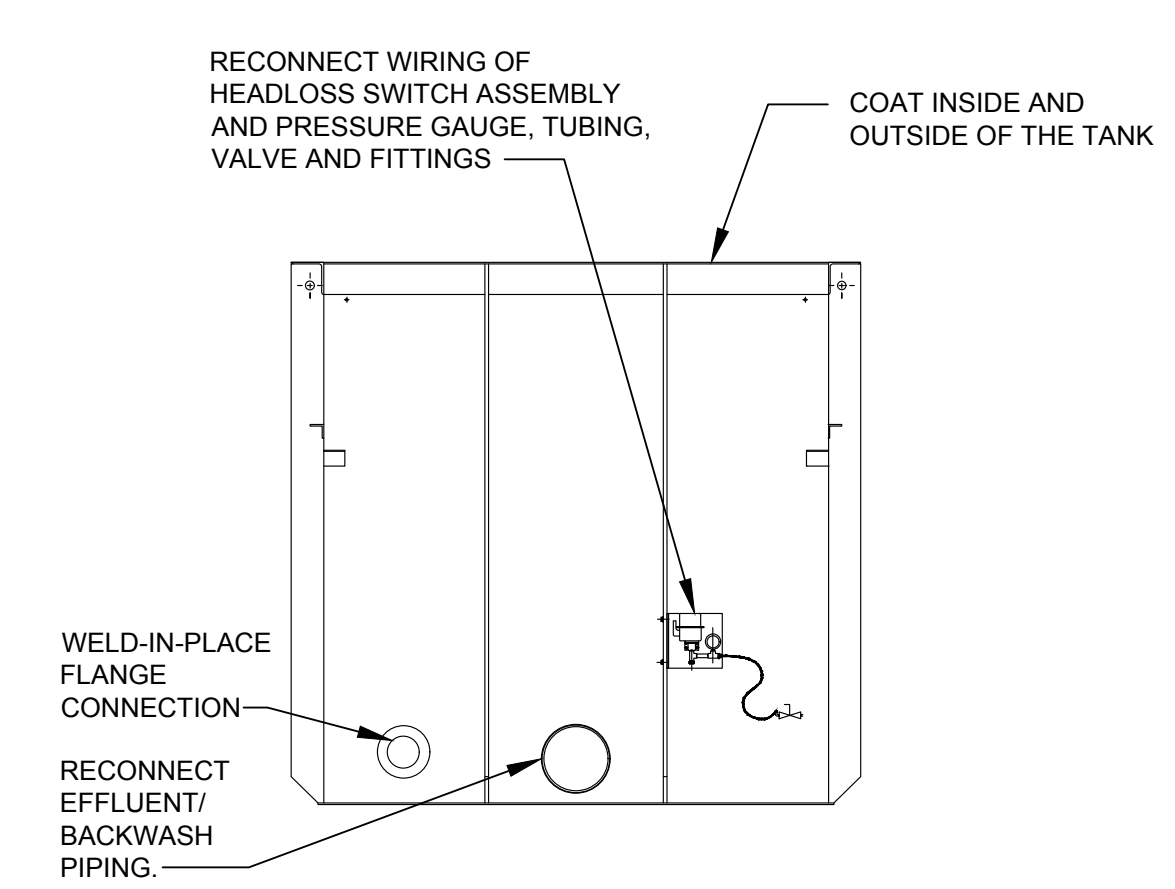
FILTER TREATMENT UNIT BOTTOM PLAN
SHOWING EQUIPMENT INSTALLATION
NTS



FILTER TREATMENT UNIT CROSS SECTION
NTS

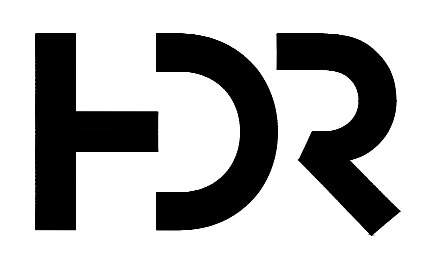


SECTION A
NTS



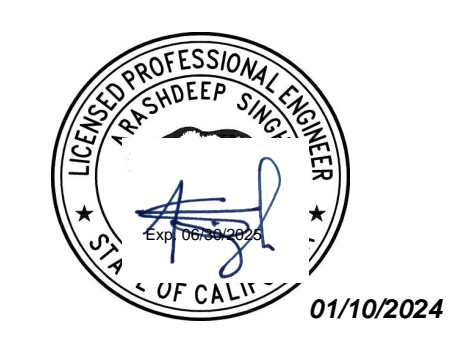
SECTION B
NTS

FILE: C:\pwworking\esri\1142043004\7R05.dwg
 DATE: 01/09/24 05:35:09pm. P:\ANNEU



ISSUE	DATE	DESCRIPTION
A	01/24	ADDENDUM NO. 1
0	12/22	ISSUED FOR BID

PROJECT MANAGER	ARASHDEEP SINGH
DESIGNED	A. SINGH
CHECKED	T. KONTONICKAS
DRAWN	S. LARI
DATE	12/2022
PROJECT NUMBER	10276484



City of Fort Bragg
Water Treatment Plant
Rehabilitation Project

REHABILITATION

FILTER TREATMENT UNITS NO. 1 AND NO. 2
REHAB AND IMPROVEMENTS PLANS AND SECTIONS 2

SCALE NONE

FILENAME 7R05.dwg

SHEET **R05**