

Madison Metropolitan Sewerage District



Request for Bids 2025 Digester Cleaning Project

Madison, Wisconsin

February 2025

**ADVERTISEMENT FOR BIDS
MADISON METROPOLITAN SEWERAGE DISTRICT
2025 DIGESTER CLEANING PROJECT**

The Madison Metropolitan Sewerage District (The District) will receive sealed proposals for the 2025 Digester Cleaning Project. Bids will be received at the office of the District, 1610 Moorland Road, Madison, Wisconsin 53713 until 1:00 p.m., CST, Wednesday, February 26, 2025, at which time and place all proposals will be publicly opened and read aloud.

Project Location

Digesters 8, 9 and Acid Digester 2 are located at the Nine Springs WWTF, 1610 Moorland Road, Madison, Wisconsin.

Project Description and Scope of Work

The 2025 Digester Cleaning Project will include removal and legal disposal of anaerobically digested sludge from two anaerobic digesters and one acid digester at the District's Nine Springs Wastewater Treatment Facility. The total volume of sludge to be removed, processed, and disposed of is approximately 110,000 gallons (120 tons on a dry weight basis) from each of the two digesters and approximately 185,000 gallons (13 tons on a dry weight basis) from the acid digester. Once emptied, the interior of all tanks will be cleaned of all residual material and inorganic waste to the extent practicable. Nine Springs Wastewater Treatment Facility is located at 1610 Moorland Road, Madison, Wisconsin. See attached excerpts from construction drawings for reference.

Conduct of Work and Use of Site

Contractor must conduct work in manner that will not hinder District personnel's access. Adequate equipment must be provided by the Contractor to ensure a minimum negative impact on the surrounding property during the work. The Contractor is responsible for determining the suitability of access points to the site. These access routes and any proposed storage areas must be approved by MMSD before beginning work.

The Contractor shall conform to all local, state, and federal regulations including those set forth by OSHA, RCRA and the EPA and any other applicable authorities.

Typical District working hours are 7 am to 3:30 pm, Monday through Friday. Work outside of these hours may be permitted with advance written approval by the District.

Any damage done by the Contractor to any property shall be repaired to a condition equal to or better than what existed prior to the damage. Any damage repairs shall be considered as incidental to the Contract.

Upon acceptance of the work and inspection, the Contractor shall restore the project area affected by the operations to a condition at least equal to that existing prior to the work. Clean up includes, but is not limited to removing rubbish, debris, dirt, equipment and excess material from the site. The Contractor shall clean adjacent surfaces soiled by and during the course of work.

Project Sequence and Schedule

Notice to Proceed is anticipated to be issued by April 29, 2025. Final completion shall be within one hundred eighty eight (180) calendar days from the Notice to Proceed or October 31, 2025 whichever comes first. After starting work on site Contractor shall have 130 days to complete. Contractor shall give written notice (email or letter) to the District at least twenty (20) calendar days in advance of anticipated start of work.

Quality Assurance

District representatives and the District's inspector shall have access to the site and the work at reasonable times for their observation, inspection, and testing. Contractor shall provide proper and safe conditions for such access and advise them of Contractor's site safety procedures and programs so that they may comply therewith as applicable. The interpretation of this shall mean, but not be limited to mean, that the Contractor shall provide the District's inspector with access and proper safety equipment at appropriate times to perform inspection and testing.

Safety

The contractor agrees to perform all work under this contract in accordance with local, state, and federal safety regulations. The Contractor is specifically notified that wastewater treatment plants, pumping stations and sewer systems contain confined space work areas which may be susceptible to accumulation of hazardous gases or depletion of oxygen levels.

Handling of hazardous materials, machinery operations, worker protection, and control of airborne dust and fumes shall comply with all applicable facility, local, state, and federal health and safety regulations.

Contractor's Insurance

The Contractor shall not commence work under this Contract until all insurance required hereunder has been obtained and such insurance certification has been reviewed and approved by the Owner. The Contractor shall not allow any Subcontractor to commence work on their Subcontract until certification for all similar insurance required for that portion of the Work has been reviewed by the Owner. Review of the insurance certification by the Owner shall not relieve or decrease the liability of the Contractor hereunder. The insurance certification shall name as Additional Insureds the Madison Metropolitan Sewerage District.

The Contractor shall obtain, pay for, and maintain during the life of this Contract such Worker's Compensation and Employer's Liability, Comprehensive General Liability, Business Automobile Liability, and Umbrella Liability Insurance to protect the Contractor performing work covered by this Contract from claims for damages for bodily injury, including accidental death, as well as for claims for property damage which may arise from operations under this Contract whether such operations be by the Contractor or any Subcontractor, or by anyone directly or indirectly employed by either of them, on the forms, and with limits not less than set forth below:

a) General Liability

- Comprehensive general liability coverage shall include, but not be limited to, Products and Completed Operations, Independent Contractors, Contractual Liability, Broad Form Property Damage, Personal Injury, Premises and Operations, and Explosion, Collapse and Underground.

- General aggregate limit shall be at least \$2,000,000. Policy shall be endorsed such that this full limit is reserved specifically for the named Madison Metropolitan Sewerage District project.
- Products-Completed Operations Aggregate limit shall be at least \$2,000,000.
- Each Occurrence limit shall be at least \$1,000,000.

b) Automobile Liability

- Auto liability policy shall cover all autos, whether owned, non-owned, or hired.
- Bodily injury and property damage limits shall be at least \$1,000,000 each, or
- Combined single limit shall be at least \$1,000,000.

c) Excess Liability Umbrella Form

- Umbrella limits shall be at least \$2,000,000 aggregate/\$2,000,000 each occurrence.

d) Worker's Compensation and Employer's Liability

- Worker's Compensation limits shall be in accordance with all applicable state and federal statutes.
- Employer's Liability limits shall be at least \$100,000 each accident, \$500,000 disease policy limit, and \$100,000 disease-each employee.

Equal Employment Opportunity Requirements

In connection with the performance of Work under this Contract, Contractor agrees not to discriminate against any employee or applicant for employment because of age, race, religion, color, handicap, sex, physical condition, national origin or developmental disability as defined in Wisconsin Statutes. This provision shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. Contractor further agrees to take affirmative action to ensure equal employment opportunities for persons with disabilities. Contractor agrees to post in conspicuous places, available for employees and applicants for employment, notices setting forth the provisions of the nondiscrimination clause.

Proposal Requirements

All proposals must be made on the forms provided herein and shall be addressed to the Madison Metropolitan Sewerage District; Ms. Rita Neff, Regulatory Performance and Process Engineer; 1610 Moorland Road, Madison, Wisconsin 53713 (or emailed to rpf@madsewer.org); and shall be marked "Sealed Proposal, 2025 Digester Cleaning Project."

All prospective prime bidders must submit qualifications for review and approval by the District. Prequalification applications will be distributed with the Contract Documents or upon request of the District. Bidders who have already submitted prequalification documentation to the District within last calendar year of the bid date need not resubmit but must notify the District in writing by the due date (using the form provided) of their desire to prequalify for this specific work. Prequalification applications must be completed and emailed to prequalifications@madsewer.org no later than 4:00 p.m., Wednesday, February 19, 2025. Bidders will be notified only of disqualification no later than 4:00 p.m., Friday, February 21, 2025. If a Bidder has not filed the prequalification application, their bid shall not be opened. For the cleaning contractor to be qualified, they must have at least 3 years of active experience in this type of work.

For bidding purposes, proposals are requested in terms of a lump sum bid based on an estimated volume of sludge, an approximate solids concentration of 26.2% for Digesters 8 & 9, and an approximate solids concentration of 1.7% for Acid Digester 2. At the conclusion of the project, payment will be made on the actual dry tons processed at the unit bid price.

Proposals shall include all labor, materials, equipment, tools, power, utilities, transportation, and all other services or items necessary to perform and complete in a workmanlike manner, the Digester Cleaning Project. Contractor is responsible for obtaining all necessary permits at the Contractor's expense.

This project is exempt from State of Wisconsin sales and use taxes in accordance with Wisconsin Administrative Rule Tax 11.11 pursuant to Section 77.54(26) of the Wisconsin Statutes.

The bidders are required to carefully review all the Contract Documents and to inform themselves of the conditions under which the work is to be performed. The Bidder, if awarded the Contract, shall not be allowed any extra compensation by reason of their failure to have fully informed themselves prior to the bidding of any matter or thing which such Bidder might have fully informed them.

If the Bidder is in doubt as to the true meaning of any part of the Contract Documents, the Bidder may submit to the District a written request for an interpretation thereof. Any interpretation of the Contract Documents will be made only by an addendum duly issued.

A bidder may withdraw their proposal, providing such a written request is in the hands of the District by the time set for opening proposals. When such a proposal is reached, it will be returned unopened to the Bidder. No proposal shall be withdrawn after the opening of proposals for a period of thirty (30) calendar days after the scheduled time of receiving proposals without the consent of the District.

Terms

The District reserves the right to reject any or all proposals or to waive any irregularities in any proposal or to accept any proposal which will be in the best interests of the District.

Within thirty (30) calendar days after the opening of proposals, the Owner will accept one of the Proposals or will act as stated herein. The acceptance of the Proposal will be by written Notice of Award, mailed or delivered to the office designated in the Proposal.

Before award of any Contract can be approved, MMSD shall be satisfied that the Bidder involved maintains a permanent place of business, has adequate plant and equipment to do the work properly and expeditiously, has a suitable financial status to meet obligations incident to the work, has appropriate technical experience, and has a satisfactory performance record. The award, if made, will be made to the lowest, qualified, responsive, responsible bidder.

Within ten (10) calendar days after receiving the Notice of Award, the successful Bidder shall sign the Contract hereto attached, and submit to the District acceptable certificates of insurance required under the Contract Documents. Within fifteen (15) calendar days after receiving the signed Contract from the successful Bidder, the Owner's authorized agent will sign the Contract. Three executed counterparts of the Contract and certificates of insurance will be required.

The Contractor shall not begin work until written Notice to Proceed has been issued by MMSD. The Contractor shall abide by any special instructions which may be stated in the Notice to Proceed.

Payment will be made to the Contractor within 45 days of written request for payment after completion of the work per tank. Contract letting is subject to the provisions of Section 66.0901, Wisconsin Statutes.

Submittals

The Contractor shall submit the following for review and approval to the MMSD Engineer.

- a. Submit prior to the bid:
 1. Pre-Qualification form.
- b. Submit with the bid:
 1. Proof of Insurance.
- c. Submit prior to performing any work under this contract:
 1. See technical specifications below.

Technical Specifications

Part 1 General:

1.01 Description of Work

- A. This specification section includes requirements to remove and legally dispose of approximately 110,000 gallons (120 dry tons) of sludge from anaerobic digester 8 and 110,000 gallons (120 dry tons) of digested sludge from anaerobic digester 9 and approximately 185,000 gallons (13 dry tons) from Acid Digester 2. Any debris or other non-biodegradable fractions contained in the tanks shall also be removed for disposal.
- B. One digester will be available to clean at a time. Once digester 8 is completed, digester 9 will take approximately 20 calendar days to be made available for cleaning.
- C. Acid Digester 2 can be made available at any time. For example, it would be possible to clean Digester 8, then move immediately to Acid Digester 2 and clean it during the 20 day period before Digester 9 could be available.
- D. Once tanks have been emptied of their contents, interior surfaces and interior tank appurtenances shall be cleaned of all residual material and inorganic waste to the extent practicable.
- E. Contractor shall provide all labor, material, fuel, and equipment necessary to remove material from tanks, process material for disposal, clean interiors, and legally dispose.
- F. Contractor shall provide hauling of dewatered biosolids to a legal disposal location. Contractor may use their discretion for disposal location provided all necessary permits are obtained, and methods comply with all local, state, and federal regulations.

1.02 Referenced Documents

N/A

1.03 Qualifications of Contractors

- A. Contractors performing this type of work must provide written documentation that their personnel have adequate experience and training in the cleaning of anaerobic digesters, sludge storage tanks, or similar confined spaces.

1.04 Submittals

- A. Operating Plan
Submit a proposed schedule of work, showing how the work will be completed by the required date. Plan shall outline the proposed methods and procedures required to complete work.
- B. Documentation of Quantity Hauled
Provide District with load tickets for each truckload of dewatered biosolids that leaves the plant. Tickets shall include date hauled, destination of hauled material, and an accurate and reliable measurement of weight transported on a wet ton basis. Method to measure wet weight hauled shall be approved by the District prior to the start of work.
District staff will collect sludge samples from each truckload to determine solids content of dewatered material. Load tickets and solids analyses will serve as the basis for determining dry tons hauled.

1.05 Quality Assurance

- A. District staff shall serve as the Inspector. The Inspector will observe removal and dewatering operations, cleaning operations, and final cleaning to ensure adherence to the specifications.
- B. Contractor shall give District's representative inspector timely notice of readiness of work for all inspections, tests, or approvals and shall cooperate with inspection and testing personnel to facilitate required inspections or tests.
- C. District representatives and the District's Inspector shall have access to the site and the work at reasonable times for their observation, inspection, and testing. Contractor shall provide proper and safe conditions for such access and advise them of Contractor's site safety procedures and programs so that they may comply therewith as applicable. The interpretation of this shall mean, but not be limited to mean, that the Contractor shall provide the District's Inspector with access and proper safety equipment to access the digesters at appropriate times to perform inspection and testing.

1.06 Delivery, Storage and Handling

- A. N/A

1.07 Use of Site

- A. Access Points: The Contractor is responsible for determining the suitability of access points to the digesters. The Contractor shall submit access routes and proposed storage areas. These access routes and any proposed storage areas must be approved by MMSD before beginning work.

- B. The Contractor shall conform to all local, state, and federal regulations including those set forth by OSHA, RCRA and the EPA and any other applicable authorities.
- C. Typical District working hours are 7 am to 3:30 pm, Monday through Friday. Contractor shall give written notice (letter or email) to MMSD. Contractor must receive approval from MMSD at least 24 hours in advance if they would like extended working hours.
- D. Any damage done by the Contractor to any property shall be repaired to a condition equal to or better than what existed prior to the damage. Any damage repairs shall be considered as incidental to the Contract.

1.08 Safety

- A. The contractor agrees to perform all work under this contract in accordance with local, state, and federal safety regulations. This includes, but is not limited to: (1) Continual evaluation of the atmosphere to determine the presence of toxic or flammable vapors or lack of oxygen prior to entering confined spaces; and (2) Conformance with confined space procedures and requirements.
- B. Disposal of contaminants, debris, and contaminated water shall comply with all applicable facility, local, state, and federal regulations. The discharge of all waste products to the plant drainage system shall be at the discretion of the District Engineer.
- C. Handling of hazardous materials, machinery operations, worker protection, and control of airborne dust and fumes shall comply with all applicable facility, local, state, and federal health and safety regulations.

1.09 Clean-Up

- A. Contractor shall immediately notify the District of any spills which may violate permit conditions or regulations. Spills shall be cleared away by Contractor in a timely and safe manner consistent with the protection of public, staff, and environmental health and safety.
- B. Upon acceptance of the work and inspection, the Contractor shall restore the project area affected by the operations to a condition at least equal to that existing prior to the work. Clean up includes, but is not limited to removing rubbish, debris, dirt, equipment and excess material from the site. The Contractor shall clean adjacent surfaces soiled by and during the course of work.
- C. Vehicles shall be properly maintained and cleaned to prevent waste material from being deposited on public roadways.

Part 2 Products:

2.01 N/A

Part 3 Execution:

3.01 Sludge Removal and Cleaning

- A. Contractor shall provide ventilation and means required to enter the digesters using existing roof access points. The atmosphere in the digesters while in service and prior to ventilation consists primarily of methane and carbon dioxide gas. The Contractor shall provide all safety equipment necessary to access the digesters and shall operate all ventilation equipment

necessary to adequately protect the Contractor's personnel. The Contractor shall provide all gas testing equipment, confined space entry equipment, communications, and trained personnel required to meet all OSHA and State of Wisconsin regulations.

- B. Contractor shall remove wastewater residues and solids from interior tank walls, ceilings, appurtenances (mixers, pipes, ladders), and floors. Digester contents will include anaerobic digested sludge, inorganic solids (sand, grit, gravel, struvite particles) and organic debris (hair, rags, stringy materials, plastics). Contractor shall provide means and methods suitable for removal of tank contents, including pumps, hoses, connection to water sources, power, and lighting. Contractor is responsible for conducting a site visit to determine appropriate means and methods.

- C. The Contractor shall be responsible for removal, dewatering, and for the final disposition of the materials from the digesters in accordance with all local, state, and federal regulations. Disposal of residual solids in the plant will not be allowed. Contractor shall provide temporary means of dewatering residual solids from tank cleaning operations. Centrate or filtrate generated during dewatering may be disposed of to a plant drain, at a location, timing, and rate as approved by the Owner. The Owner reserves the right to disallow disposal of any waste stream that may negatively impact or impair plant operations.

- D. Before any tank contents are removed from the treatment plant site, documentation shall be submitted demonstrating that the Contractor will comply with all regulations. Landfill manifests shall be provided as verification of disposal at a licensed landfill. The Contractor shall coordinate all hauling activities with the landfill.

- E. Existing structures requiring cleaning include the following:

Structure name	Diameter (ft.)	Sidewall height above footing (ft.)	Center cone depth below footing (ft.)	Approx. Volume of residuals (gallons)	Grade height above footing (ft.)
Digester 8 & 9	80	32.25	9.67	110,000	16.5
Acid Digester 2	38	52	3	185,000	15.5

3.02 Acceptance and Payment

- A. Deliverables
 - 1. Measurement for payment will be made with each load leaving plant grounds. Contractor shall provide documentation of weight hauled on a wet ton basis, in addition to a sample of dewatered material. The District's state certified lab will conduct a solids analysis for determination of dry tons hauled.

2. The District estimates 110,000 gallons of liquid material in Digester 8 and 110,000 gallons in Digester 9 will be processed at a dry weight basis 120 tons each. Acid Digester 2 is estimated at 185,000 gallons at a dry weight basis of 13 tons. These values are used for bidding purposes only. Actual quantities removed, processed, and disposed may vary. Payment will be based on the Contractor's dollar per ton unit bid amount and actual quantity of sludge processed.

**BID FOR
2025 DIGESTER CLEANING PROJECT
MADISON METROPOLITAN SEWERAGE DISTRICT**

NOTE: Use black ink or typewriter for completing this bid form

PROJECT: 2025 DIGESTER CLEANING PROJECT

THIS BID IS SUBMITTED TO: Madison Metropolitan Sewerage District
1610 Moorland Road
Madison, Wisconsin 53713

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with Owner in the form included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.
2. Bidder accepts all of the terms and conditions of the Advertisement for Bids and the Request for Proposals. This Bid will remain subject to acceptance for the period of time specified in the Request for Proposals after the day of Bid opening. Bidder will sign and submit the Agreement with other documents required by the Bidding Requirements within 10 days after the date of Owner's Notice of Award.
3. In submitting this Bid, Bidder represents, as more fully set forth in the Agreement, that:

(a) Bidder has examined copies of all the Bidding Documents and of the following Addenda, receipt of all which is hereby acknowledged:

<u>Addenda Number</u>	<u>Date</u>
_____	_____
_____	_____
_____	_____

- (b) Bidder has familiarized itself with the nature and extent of the Contract Documents, Work, site, locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance or furnishing of the Work.
 - (c) Bidder has given Engineer written notice of all conflicts, errors or discrepancies that it has discovered in the Contract Documents and the written resolution thereof by Engineer is acceptable to Bidder.
4. Bidder will complete the Work for the following prices:

DIGESTER 8, 9, & Acid Digester 2 BID:

Item and Description

1. To remove liquid anaerobically digested sewage sludge from anaerobic digester (Digester 8) for

120 dry weight tons at \$_____/dry ton Extended amount \$_____.

2. Clean interior of anaerobic digester (Digester 8), including removal and legal disposal off site of debris in the digester, surface clean interior of the digester, and all other associated work for

Clean interior at \$_____/ digester Extended amount \$_____.

3. To remove liquid anaerobically digested sewage sludge from anaerobic digester (Digester 9) for

120 dry weight tons at \$_____/dry ton Extended amount \$_____.

4. Clean interior of anaerobic digester (Digester 9), including removal and legal disposal off site of debris in the digester, surface clean interior of the digester, and all other associated work for

Clean interior at \$_____/ digester Extended amount \$_____.

5. To remove liquid anaerobically digested sewage sludge from Acid Digester 2 for

13 dry weight tons at \$_____/dry ton Extended amount \$_____.

6. Clean interior of Acid Digester 2, including removal and legal disposal off site of debris in the digester, surface clean interior of the digester, and all other associated work for

Clean interior at \$_____/ digester Extended amount \$_____.

PROJECT TOTAL \$ _____

(Contractor's Seal)

Signature: _____

Printed Name of Signer: _____

Title: _____

5. Bidder agrees that the Work will be substantially completed as specified in Request for Proposal.

6. The following documents are attached to and made a condition of this Bid:

(a) Disclosure of Ownership form

7. Communications concerning this Bid shall be addressed to:

Name: _____

Company Name: _____

Address: _____

Telephone No.: _____

SUBMITTED ON _____, 20____

**CONTRACT FOR
MADISON METROPOLITAN SEWERAGE DISTRICT
2025 DIGESTER CLEANING PROJECT**

THIS CONTRACT, made this _____ day of _____, 20____
between _____

hereinafter called the CONTRACTOR, and the Madison Metropolitan Sewerage District,
hereinafter called the OWNER or the District.

WITNESSETH: That the Contractor and the Owner for the consideration stated herein agree as
follows:

ARTICLE I, SCOPE OF WORK:

The Contractor shall provide and furnish all labor, materials, equipment, tools, power, utilities, transportation, and all other items and services necessary to perform and complete in a workman like manner the **2025 DIGESTER CLEANING PROJECT**, for the Madison Metropolitan Sewerage District, all in accordance with the Contract Documents herein mentioned, including any and all Addenda prepared by the Madison Metropolitan Sewerage District, which Contract Documents are made a part of this Contract; and the Contractor shall do all other things required of the Contractor by said Contract Documents.

ARTICLE II, CONTRACT PRICE:

The Owner shall pay to the Contractor for the performance of this Contract in U.S. dollars, the amount of _____ Dollars and _____ Cents, (_____), the said amount being computed from the Contractor's prices stated in the Proposal. Payments are to be made to the Contractor in accordance with and subject to the provisions embodied in the Contract Documents.

ARTICLE III, CONTRACT DOCUMENTS:

This Contract consists of the following Contract Documents, all of which are as fully a part of this Contract as if herein set out verbatim, or if not attached, as if hereto attached.

1. Addenda No. ___ to ___ inclusive
2. Advertisement
3. Request for Proposal
4. Contractor's Proposal
5. This Instrument

In the event that any provision in any of the above component parts of this Contract conflicts with any provision in any other of the component parts, the provision in the component part first enumerated above shall govern over any other component part which follows it numerically, except as may be otherwise specifically stated.

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed in three (3) original counterparts this day and year first above written.

(Contractor's Seal)

(Contractor)

Attest _____

By _____

Title _____

Title _____

(Owner's Seal)

Madison Metropolitan Sewerage District

(Owner)

Attest _____

By _____

Title _____

Title _____

Madison Metropolitan Sewerage District



PRE-QUALIFICATION APPLICATION

THE CONTENTS OF THIS QUESTIONNAIRE SHALL BE CONFIDENTIAL FOR THE EXCLUSIVE USE OF THE CONTRACTING AGENCY AND SHALL NOT BE MADE PUBLIC EXCEPT BY WRITTEN PERMISSION OF THE PROSPECTIVE BIDDER.

INFORMATION / INSTRUCTIONS

- 1) To be submitted by all prime bidders. All others to submit as required by the bidding documents.
- 2) Must be received by The District prior to deadline stated in bidding documents. Additional information, if necessary, may be requested by the District.
- 3) Fill out and send questionnaire (IN PDF FORMAT) to: Prequalifications@madsewer.org
- 4) Bidder's Statement of Request for Pre-Qualification (**Green Sheet**) must be filled out for every project.
- 5) Statement of Qualifications (**Blue Sheets**) are valid for the current calendar year only.
(EXAMPLE: project bid in June, statement of qualifications valid until 12/31)
- 6) Submission of the Blue Sheets section of the application does not grant automatic approval for all projects advertised by the District in the current calendar year. Qualifications are still reviewed project to project by project engineer.

PREQUALIFICATION STATEMENT

There is submitted herewith for your consideration, pursuant to Section 66.0901(2), Wisconsin Statutes, a statement of qualifications of the undersigned to furnish the necessary labor, materials, and skills required to enter upon and complete contracts for Madison Metropolitan Sewerage District.

BIDDER'S STATEMENT OF REQUEST FOR PRE-QUALIFICATION

IDENTIFICATION

1. Firm's Name: _____

Mailing Address: _____

Telephone: _____

E-Mail: _____

Number of years in business under present name: _____

Is the business a: Corporation (includes LLC and S) Partnership Individual Owner

If a Corporation: Year incorporated: _____ State incorporated: _____

Contact information regarding questions related to this form:

Name: _____

Telephone Number: _____

Email Address: _____

2. The above-named Bidder requests to be pre-qualified for construction of the following project/contract:

Which do you wish to qualify as (select all that apply): Prime Contractor Subcontractor

Please specify trade(s) : _____

Bidder **HAS NOT** submitted a Statement of Qualifications within the current calendar year. Documentation is required. Proceed to following page, complete forms and attach documentation.

Bidder **HAS** submitted a Statement of Qualifications within the current calendar year. A new Statement of Qualifications is not required. Bidder acknowledges his/her intent to be pre-qualified for the above-named project(s) by signing and dating this form below and by returning this form to the District prior to the deadline stated in the bidding documents.

Firm Name

Signature

Title

Date

BIDDER'S STATEMENT OF QUALIFICATIONS

EXPERIENCE

I - PERSONNEL

What is the experience of the principal individuals, including officers, superintendents and/or foremen/women, of your organization? Provide information similar to the table below:

Name	Present Position/Title	Years of Experience	Description of Duties
(1)	(3)	(3)	(4)

Average number of employees during the last 12 months:

Office: _____ Skilled: _____ Unskilled: _____

II - PROJECTS COMPLETED

Provide a list of work performed on any projects pertinent to the type of work for which pre-qualification is desired. Provide information similar to the table below. Under "Capacity", state whether the work was as a Prime Contractor, Subcontractor, etc.

Year Finished	Project Name	Type of Work	Capacity	Contract Amount (\$)	Reference Name	Reference City, State	Reference Phone #	Reference Email
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

III - CURRENT CONTRACTS

Attach information related to current contracts. Highlight contracts that are for work similar to the type of work for which pre-qualification is desired. Provide information similar to the table below:

Project Name	Owner	% Complete	Contract Amount (\$)	Completion Date	Type of Work	Reference Name	Reference City, State	Reference Phone #	Reference Email
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

IV - EQUIPMENT

Provide a list of major pieces of equipment owned and available when needed for proposed work. Provide information similar to the table below:

No. of Each	Description	Model/Size	Capacity	Year
(1)	(2)	(3)	(4)	(5)

CONTRACTUAL RESPONSIBILITY

Answering "yes" to any of the following questions may not directly disqualify a company from becoming approved to bid by the District. However, *failure to answer truthfully* will likely result in disqualification.

If response is "Yes", please attach a description of particulars (date, parties involved, type of work, amount of contract, cause, resolution).

1) Has your firm or any officer or partner of your firm ever been debarred, suspended, disapproved, or not pre-qualified by the State of Wisconsin or any government entity in the past ten (10) years?

Yes No

2) Has your firm or any officer or partner of your firm had any type of business, contracting, or trade license, certification, or registration revoked or suspended in the past ten (10) years?

Yes No

3) Does your firm or any officer or partner of your firm have an open or ongoing investigation or been cited in a violation of federal, state, or local government safety or environmental laws? This includes, but is not limited to, any OSHA, EPA, or WDNR violations.

Yes No

If Yes, include in description the OSHA reportable incidents and citations.

4) Has your firm or any officer or partner of your firm ever declared bankruptcy while performing work on a contract or work awarded to it in the past ten (10) years?

Yes No

5) Has your firm ever defaulted on or failed to complete any contract or work awarded to it in the past ten (10) years?

Yes No

6) Has your firm or any officer or partner of your firm asked to be relieved from a bid submitted by it to a public awarding authority in the past ten (10) years?

Yes No

7) Has your firm or any officer or partner of your firm ever been charged with or convicted of a violation of any Davis Bacon federal wage rates?

Yes No

8) Has your firm; any of its owners; a subsidiary or corporate parent; or any officer, director, or partner thereof, been convicted of violating Section 133.03 Wisconsin Statutes (Unlawful Contracts: Conspiracies) in the last ten (10) years?

Yes No

COMMITMENT TO SAFETY

A safe work environment is always the top priority of the District, and this priority extends to all contractors and subcontractors on work of any capacity. **Please attach a description of your company's commitment to safety** (including but not limited to safety programs, safety personnel, and leadership commitment)

BONDING RESPONSIBILITY

Current Bonding Company

Bonding Company Name: _____

Mailing Address: _____

Telephone: _____ E-Mail: _____

Firm's current performance and payment bond limit for a single job: _____

Firm's current performance and payment bond limit for aggregate jobs: _____

CONTRACTOR'S FINANCIAL STATEMENT

- 1) Attach a bank letter, no later than the previous calendar year, indicating credit available.
- 2) Attach a dated, recent financial statement, no later than the previous calendar year, showing breakdown of your firm's assets, liabilities, and net worth.

AFFIDAVIT

I certify that all above statements and attachments hereto are true and correct and are made on behalf of

Firm Name

Officer/Owner Name

Signature

Title

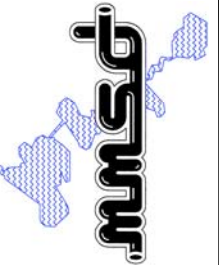
Sworn and Subscribed to before me this ____ day of _____, 20__.

Notary Public.

My commission expires _____.

ELEVENTH ADDITION TO THE NINE SPRINGS WASTEWATER TREATMENT PLANT

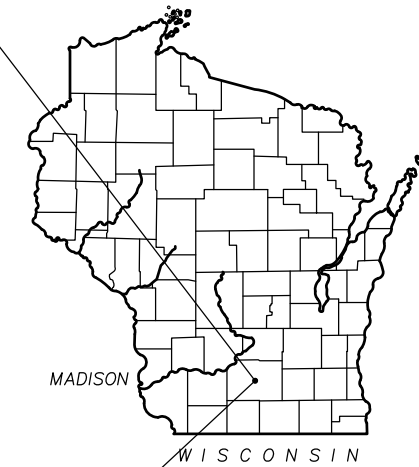
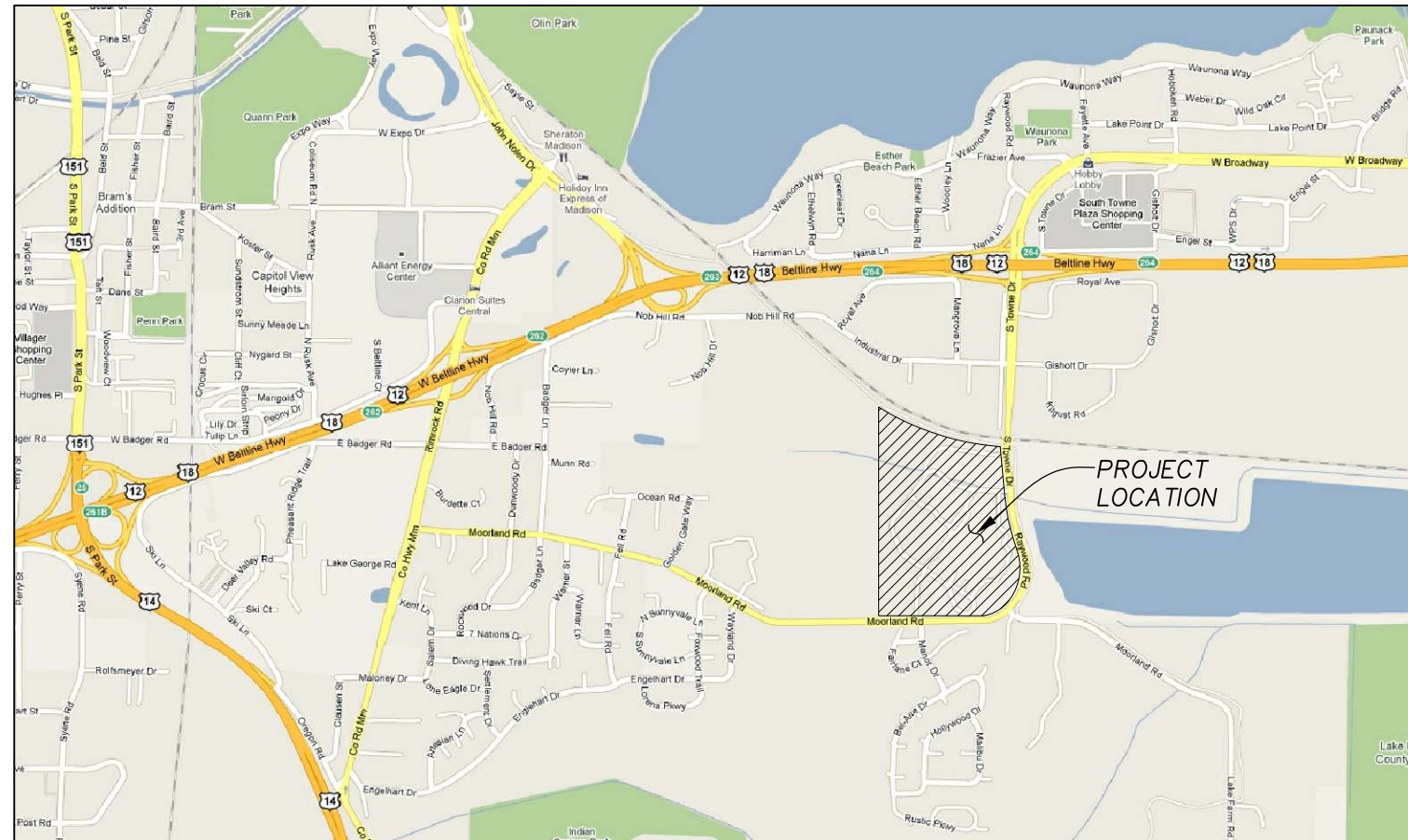
FOR THE
MADISON METROPOLITAN SEWERAGE DISTRICT
MADISON, WISCONSIN



Applied Technologies Engineers - Architects	BY	APVD
REVISIONS AND RECORD OF ISSUE		
NO.	DATE	

MADISON METROPOLITAN SEWERAGE DISTRICT
ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
MADISON, WISCONSIN
PROJECT REFERENCE
GENERAL
TITLE SHEET

VERIFY SCALES LENGTH OF BAR IS 1" ON ORIGINAL DRAWING	1:2 PLOT SCALE, ADJUST SCALE(S) ACCORDINGLY
DESIGNED BY: W.A.E.	
DRAWN BY: P.C.G.	
CHECKED BY: P.A.T.	
APPROVED BY: W.A.E.	
PROJECT NO. 4635	
DATE OCT 2011	
DRAWING NO. 10-G-1	



 **LOCATION MAP**

DRAWING NUMBER DESIGNATION

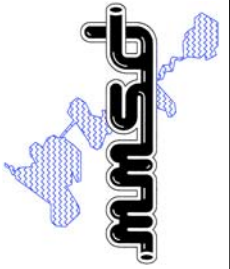
20-G-1 ← INDICATES FACILITY NUMBER
SEE LOCATION PLAN, DWG 20-G-1
← INDICATES DRAWING NUMBER
← INDICATES DISCIPLINE:

- A ARCHITECTURAL
- C CIVIL
- E ELECTRICAL
- G GENERAL
- H HVAC
- I & C I & C
- M MECHANICAL
- P PLUMBING
- R REMOVAL
- S STRUCTURAL

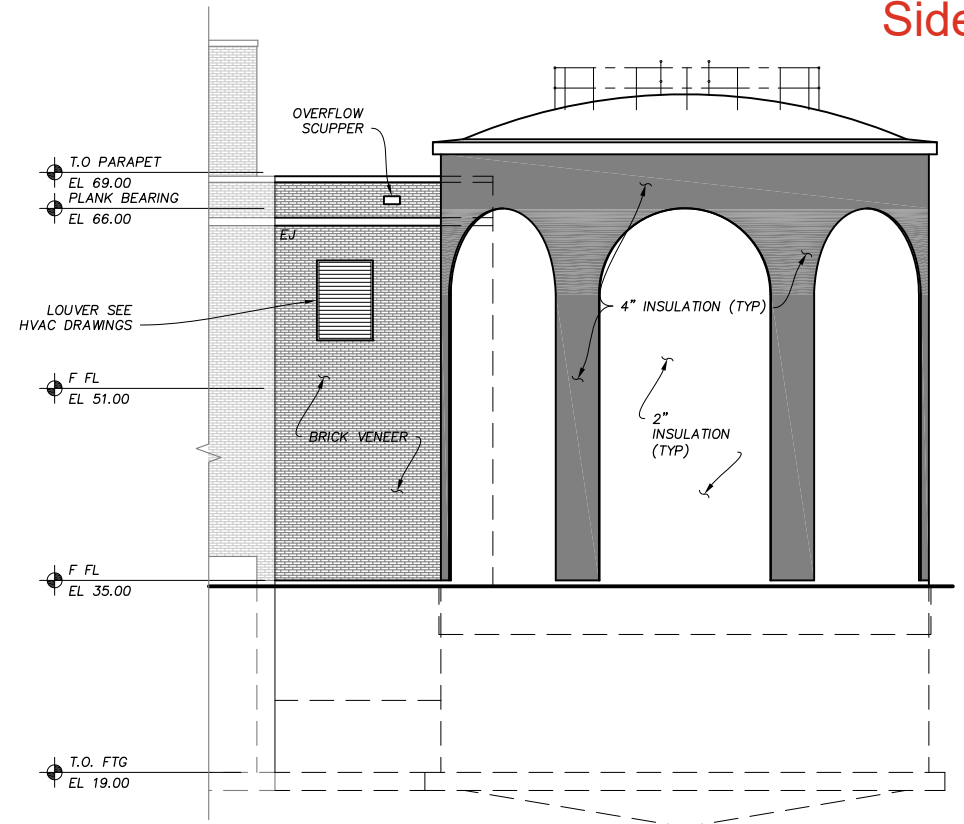
40-SM-2 ← DUAL LETTERS INDICATE COMBINED DISCIPLINES

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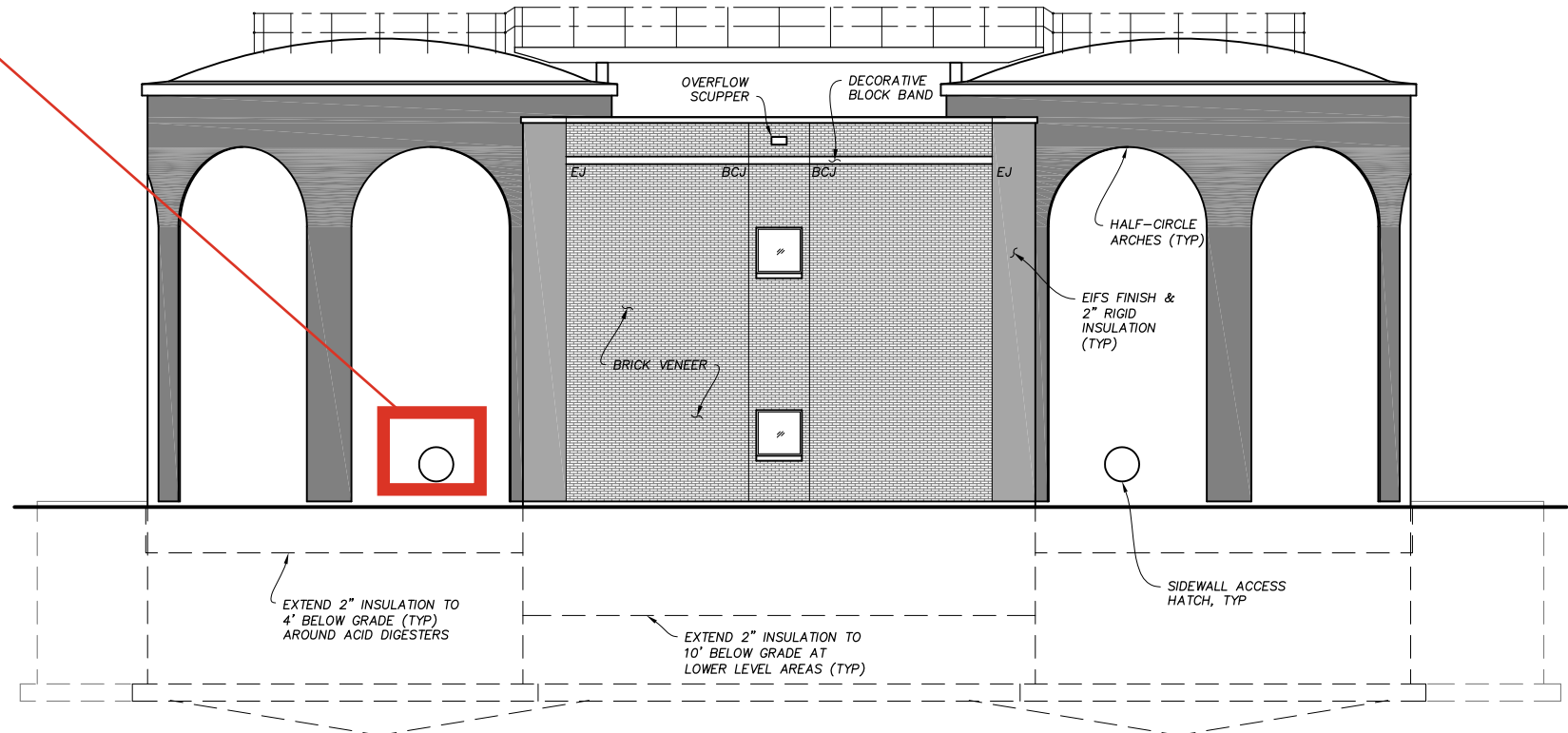
DIGGERS HOTLINE
Toll Free (800) 242-8511
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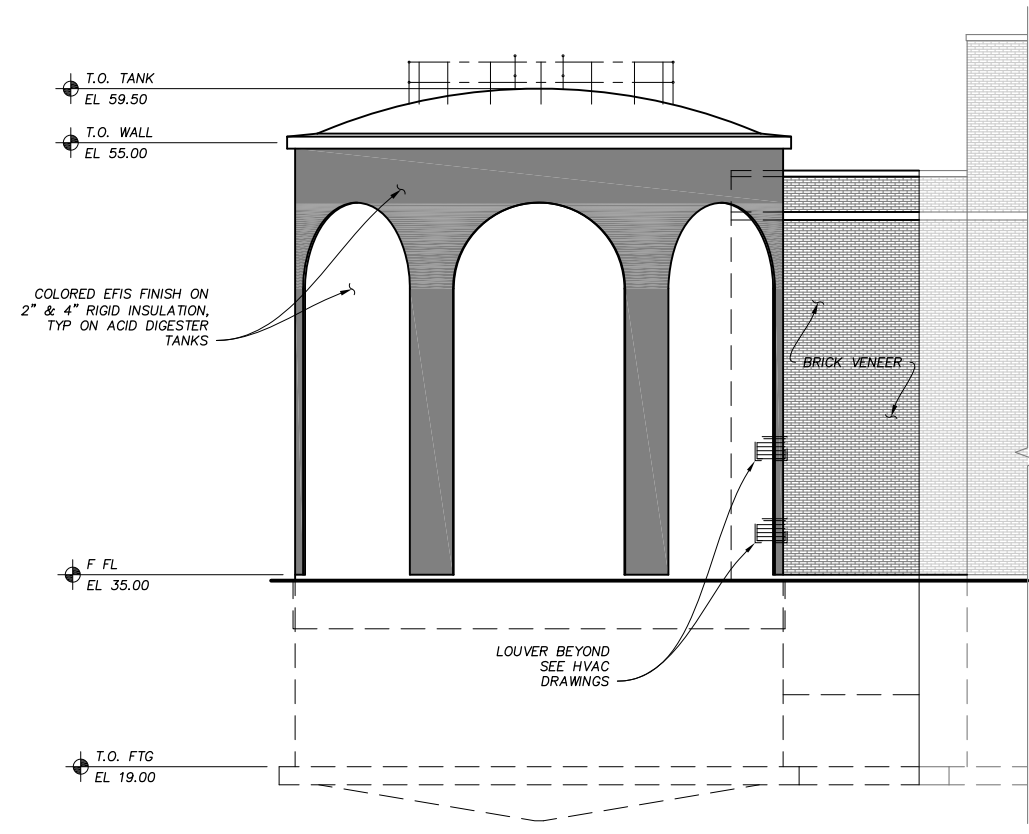
Sidewall access hatch



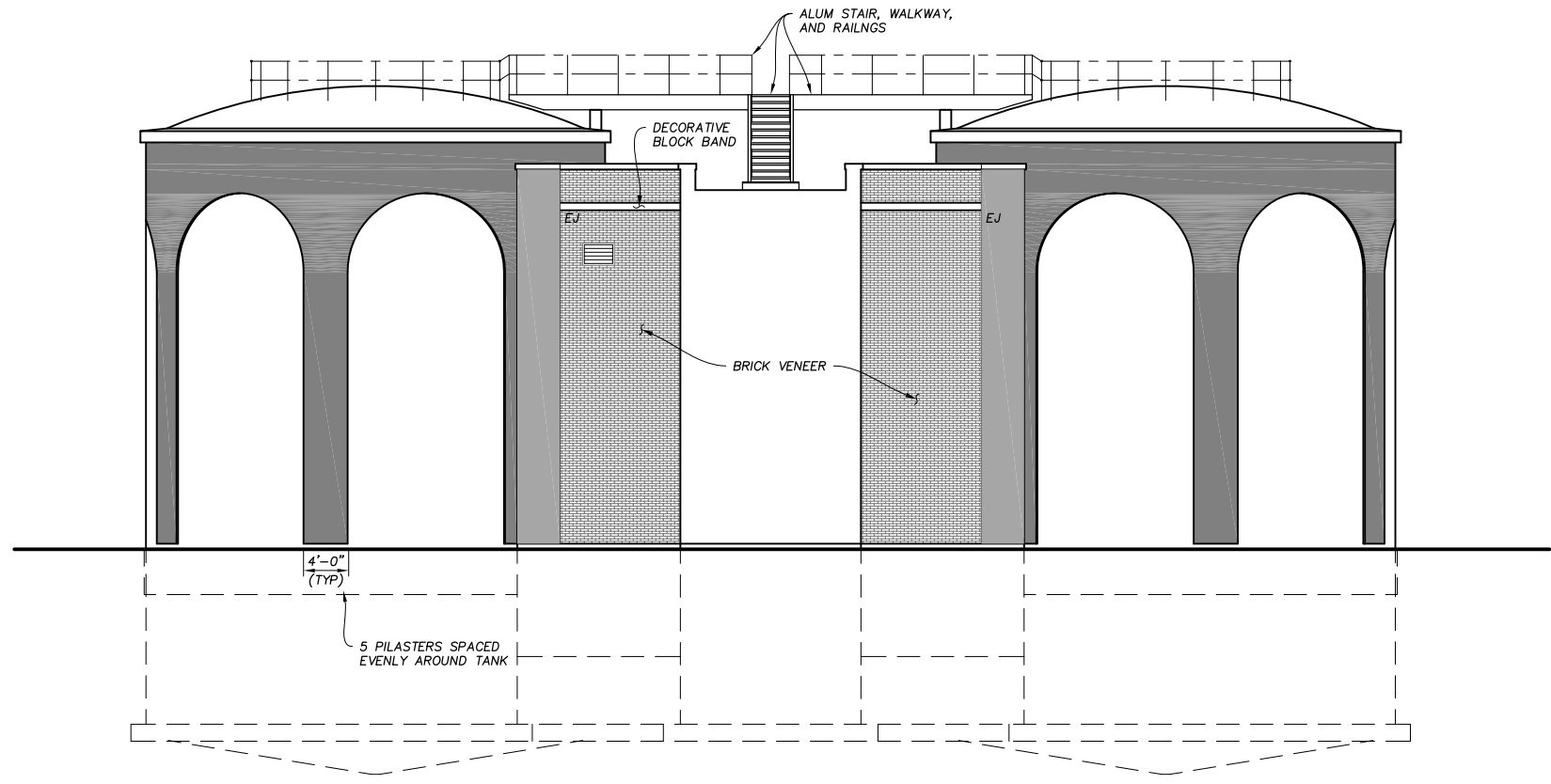
SOUTH ELEVATION ①
1/8" = 1'-0"



EAST ELEVATION ②
1/8" = 1'-0"



NORTH ELEVATION ③
1/8" = 1'-0"



WEST ELEVATION ④
1/8" = 1'-0"

GENERAL NOTES:

1. BCJ - BRICK CONTROL JOINT, SEE (04011), TYP
2. EJ - EXPANSION JOINT, SEE (04013), TYP

<p>Applied Technologies Engineers - Architects</p>	APVD	
	BY	
	REVISIONS AND RECORD OF ISSUE	
	DATE	
NO.		

MADISON METROPOLITAN SEWERAGE DISTRICT
ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
MADISON, WISCONSIN
**ACID DIGESTER FACILITY
ARCHITECTURAL
ELEVATIONS**

VERIFY SCALES LENGTH OF BAR IS 1" ON ORIGINAL DRAWING
1:2 PLOT SCALE, ADJUST SCALE(S) ACCORDINGLY
DESIGNED BY: M.A.H.
DRAWN BY: J.C.S./P.C.G.
CHECKED BY: W.A.E.
APPROVED BY: P.A.T.
PROJECT NO. 4635
DATE OCT 2011
DRAWING NO. 80-A-1

PLOTSCALE: 1/8" = 1'-0"
 A:\Projects\80-A-1\Drawings\Final Design\80-A-1 ELEVATIONS.dwg
 Plotted On: 10/14/2011 7:33 AM by JEFF HARNER
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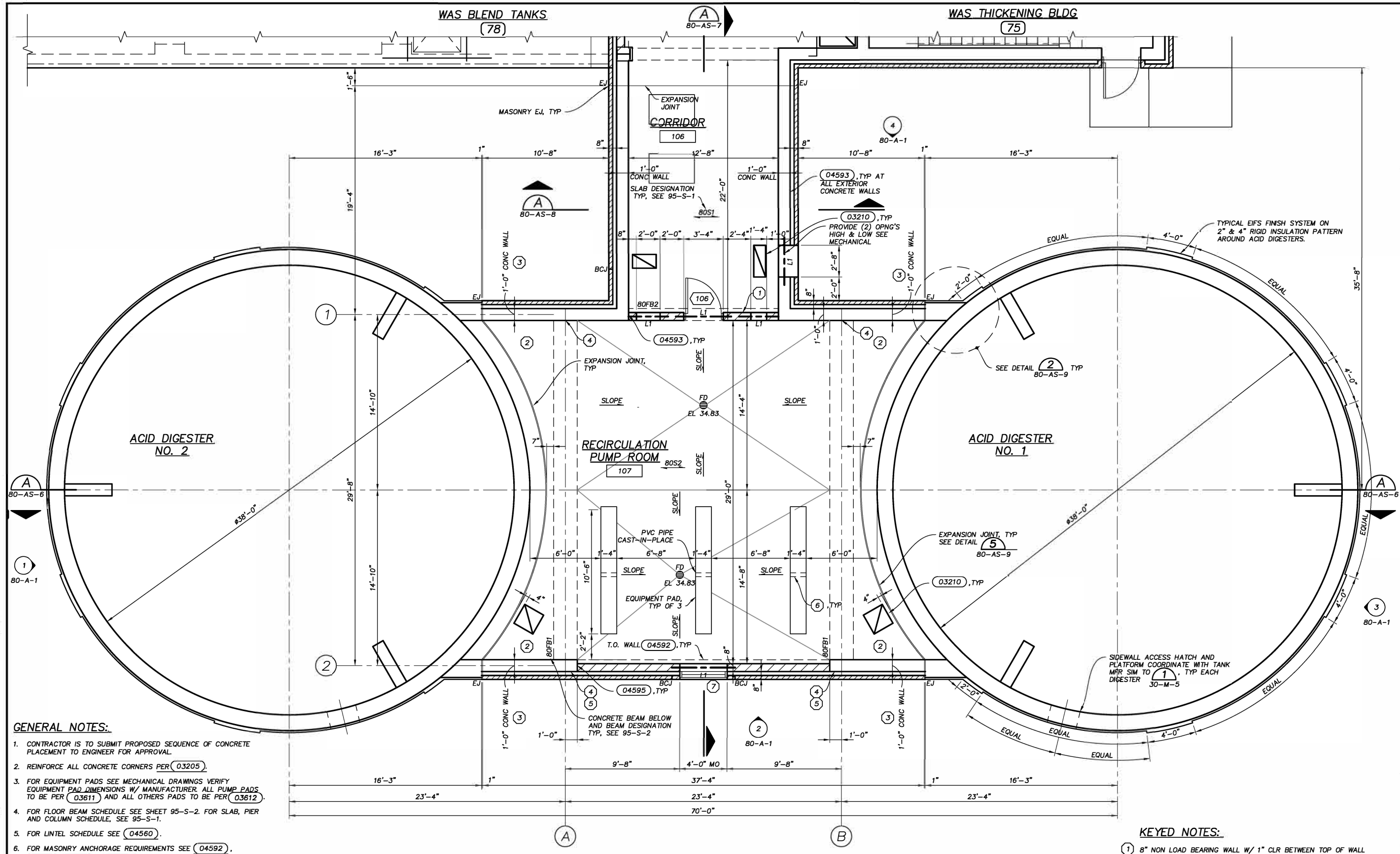


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MADISON METROPOLITAN SEWERAGE DISTRICT
ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
MADISON, WISCONSIN

NO.	DATE	REVISIONS AND RECORD OF ISSUE	BY	APVD
<p>VERIFY SCALES LENGTH OF BAR IS 1" ON ORIGINAL DRAWING</p> <p>1:2 PLOT SCALE, ADJUST SCALE(S) ACCORDINGLY</p> <p>DESIGNED BY: M.A.H./J.T.</p> <p>DRAWN BY: J.TH./P.C.G.</p> <p>CHECKED BY: W.A.E.</p> <p>APPROVED BY: P.A.T.</p> <p>PROJECT NO. 4635</p> <p>DATE OCT 2011</p> <p>DRAWING NO. 80-AS-2</p>				

**ACID DIGESTER FACILITY
ARCHITECTURAL/STRUCTURAL
PLAN**



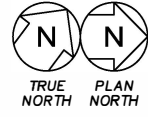
GENERAL NOTES:

- CONTRACTOR IS TO SUBMIT PROPOSED SEQUENCE OF CONCRETE PLACEMENT TO ENGINEER FOR APPROVAL.
- REINFORCE ALL CONCRETE CORNERS PER (03205).
- FOR EQUIPMENT PADS SEE MECHANICAL DRAWINGS VERIFY EQUIPMENT PAD DIMENSIONS W/ MANUFACTURER. ALL PUMP PADS TO BE PER (03611) AND ALL OTHERS PADS TO BE PER (03612).
- FOR FLOOR BEAM SCHEDULE SEE SHEET 95-S-2. FOR SLAB, PIER AND COLUMN SCHEDULE, SEE 95-S-1.
- FOR LINTEL SCHEDULE SEE (04560).
- FOR MASONRY ANCHORAGE REQUIREMENTS SEE (04592). (04593) (04594) & (04595) USE AS APPLICABLE. ALL CMU WALLS ARE TO BE ANCHORED TO INTERSECTING CONCRETE WALLS W/ DOVETAIL ANCHORS.
- JOINT REINFORCING REQUIRED FOR ALL CMU WALL PER SPEC.
- FOR BEAM CAMBER REQUIREMENTS SEE BEAM SCHEDULE.
- FLOOR REINFORCING HAS BEEN DESIGNED TO ACCOMMODATE THINNER SLABS DUE TO FLOOR SLOPE AND DRAINS. THEREFORE SLAB THICKNESS IS ALLOWED TO VARY.
- ALL HVAC OPENINGS IN FLOOR SHALL HAVE A 4"Wx4"H CONCRETE CURB ALL AROUND OPENING. IF OPENING IS ADJACENT TO A BUILDING WALL, THE CURB SHOULD TERMINATE AT FACE OF WALL. SEE STANDARD DETAIL (03260).

KEYED NOTES:

- 8" NON LOAD BEARING WALL W/ 1" CLR BETWEEN TOP OF WALL & BOTTOM OF CONCRETE. SEAL JOINT TO MEET FIRE WALL REQUIREMENTS. NO ANCHOR REQUIRED AT TOP OF WALL.
- REINFORCE SLAB W/ #5 @ 12" OC, EW, T&B CONTINUOUS W/ BOS2 REINFORCEMENT.
- REINFORCE WALL W/ #6 @ 12" OC, EW, EF W/ 2" CLR SIM TO (B) 80-AS-9
- FOR COLUMN-IN-WALL REINFORCING, SEE DETAIL (7) 80-AS-9
- HORIZONTAL WALL REINFORCING TO HAVE STD 90° HOOKS @ THIS END.
- PROVIDE 3" DIA PVC PIPE THROUGH PAD FOR FLOOR DRAINAGE.
- FOR LINTEL SEE (10) 75-AS-11

FIRST FLOOR PLAN
1/4" = 1'-0"



PLOTSCALE: 1/4" = 1'-0"
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MADISON METROPOLITAN SEWERAGE DISTRICT
ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
MADISON, WISCONSIN

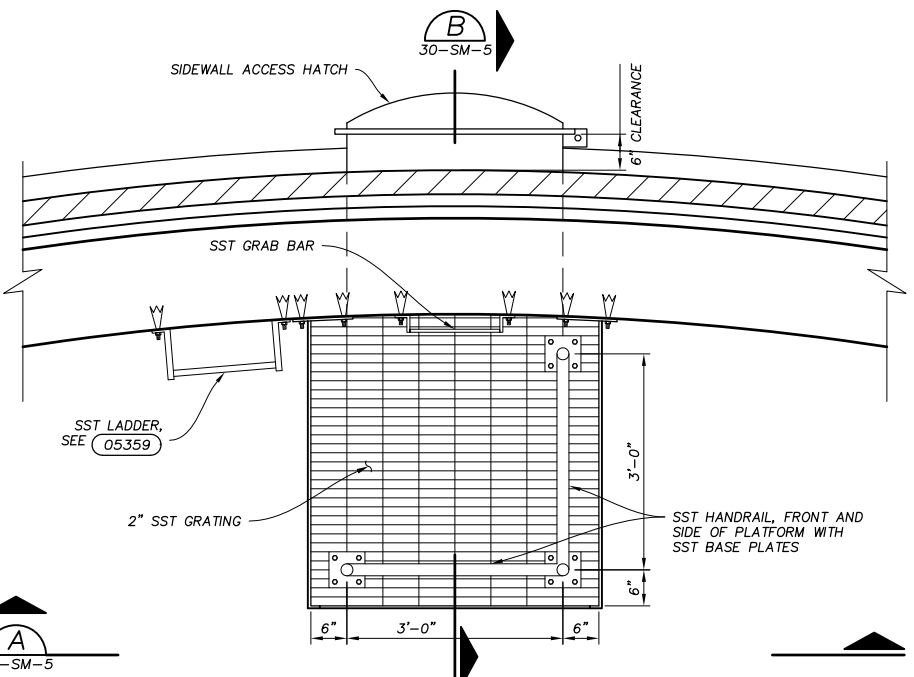
DIGESTER NO. 8
STRUCTURAL/MECHANICAL
SECTIONS & DETAIL

NO.	DATE	REVISIONS AND RECORD OF ISSUE	BY	APVD

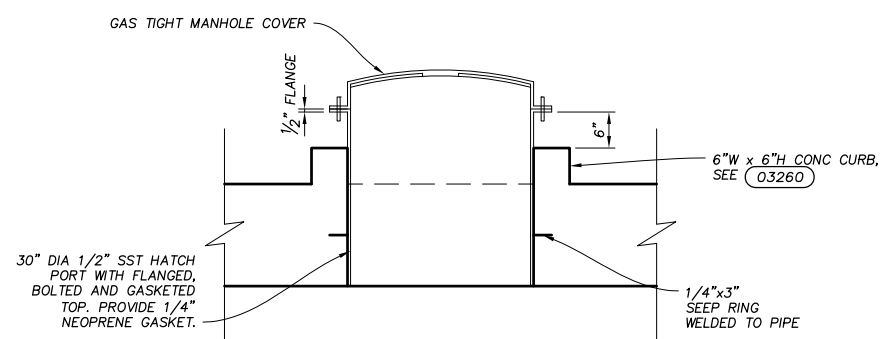
VERIFY SCALES
LENGTH OF BAR IS 1"
ON ORIGINAL DRAWING

1:2
PLOT SCALE, ADJUST
SCALE(S) ACCORDINGLY

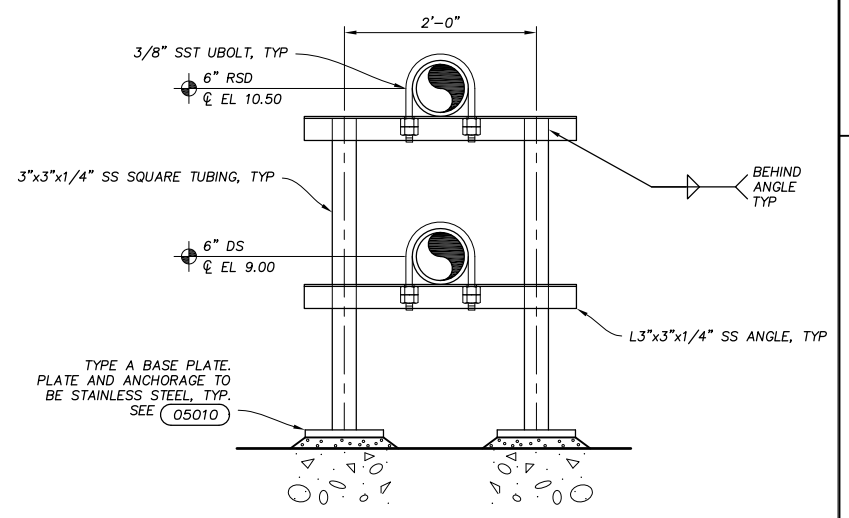
DESIGNED BY: J.T./K.R.H.
DRAWN BY: P.C.G.
CHECKED BY: W.A.E.
APPROVED BY: P.A.T.
PROJECT NO.
4635
DATE
OCT 2011
DRAWING NO.
30-SM-5



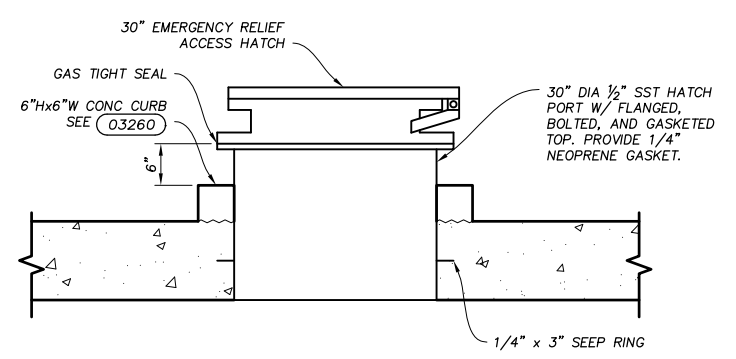
PLATFORM PLAN
DETAIL 1
3/4" = 1'-0" 30-SM-1



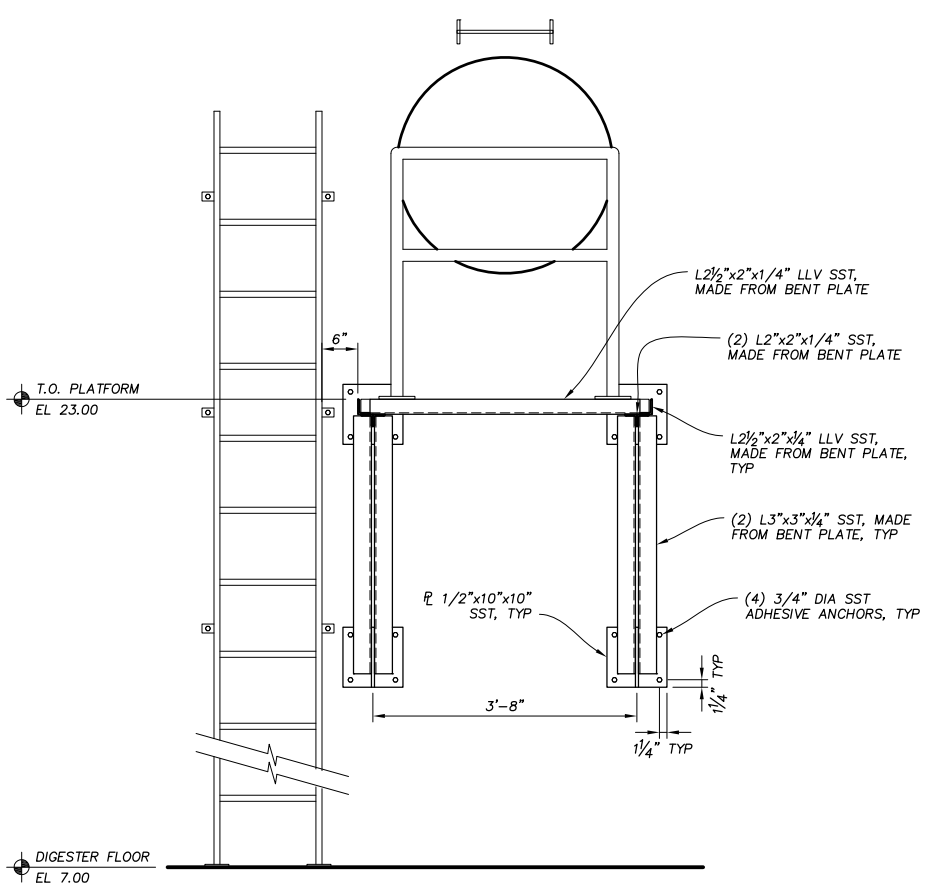
DIGESTER MANHOLE
DETAIL 2
3/4" = 1'-0" 30-SM-1



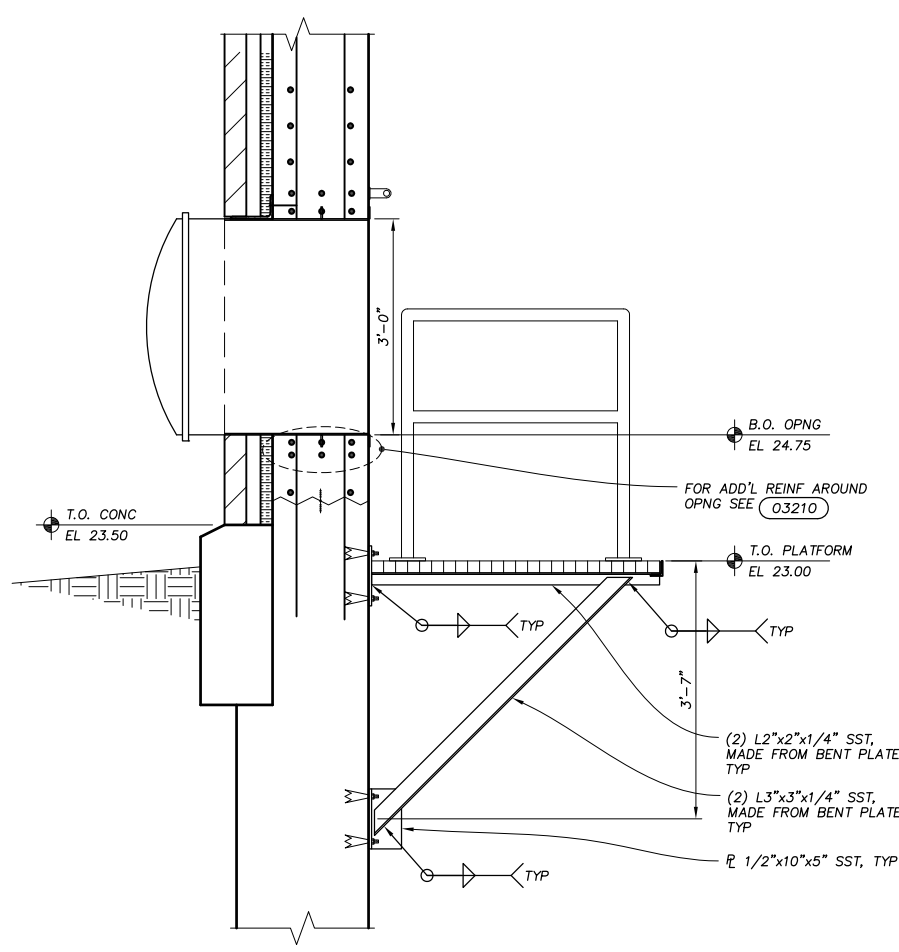
STACKED PIPE SUPPORT
DETAIL 3
N.T.S. 30-SM-1



EMERGENCY RELIEF ACCESS HATCH
DETAIL 4
N.T.S. 30-SM-2



PLATFORM ELEVATION
SECTION A
3/4" = 1'-0" 30-SM-5



PLATFORM SECTION
SECTION B
3/4" = 1'-0" 30-SM-5

PLOTSCALE: 1 L1SCALE: 1
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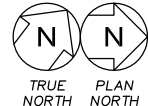
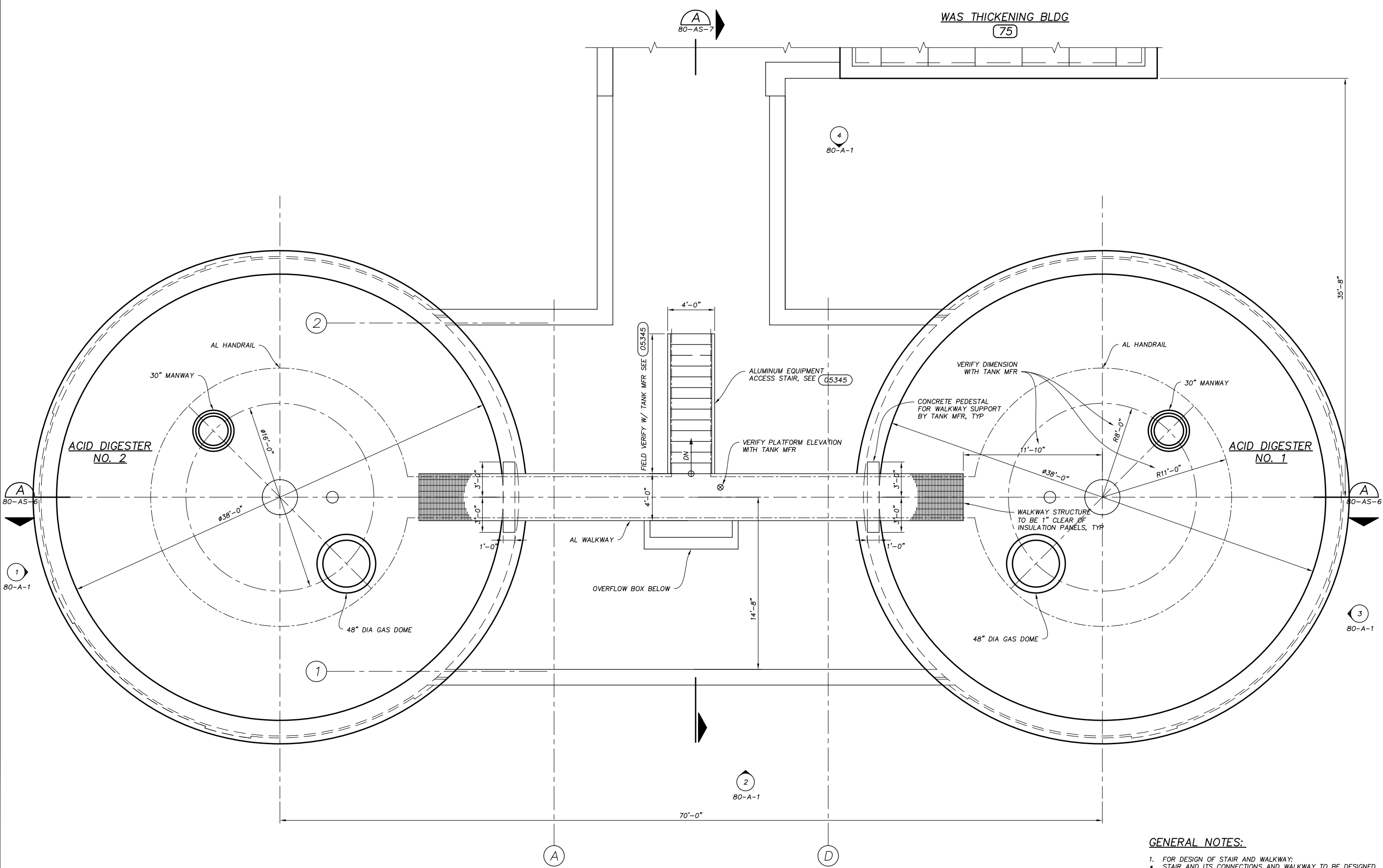


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MADISON METROPOLITAN SEWERAGE DISTRICT
ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
MADISON, WISCONSIN

NO.	DATE	REVISIONS AND RECORD OF ISSUE	BY	APVD

ACID DIGESTER FACILITY
ARCHITECTURAL/STRUCTURAL
PLAN



DIGESTER COVER PLAN
1/4" = 1'-0"

GENERAL NOTES:

- FOR DESIGN OF STAIR AND WALKWAY:
 • STAIR AND ITS CONNECTIONS AND WALKWAY TO BE DESIGNED BY METAL FABRICATOR.
 • SEE SPECIFICATIONS FOR STAIR DESIGN REQUIREMENTS. WALKWAY TO BE DESIGNED FOR A MINIMUM LIVE LOAD OF 60 PSF. DEFLECTION OF FRAMING NOT TO EXCEED L/180.
 • SHOP DRAWINGS ARE TO BE SUBMITTED FOR ENGINEER'S REVIEW PRIOR TO COMMENCING FABRICATION AS REQUIRED BY THE SPECIFICATIONS.
 • VERIFY ALL DIMENSIONS.
- CONCRETE WALKWAY PEDESTAL TO BE DESIGNED BY TANK MANUFACTURER. DESIGN FOR:
 4,000 POUND DEAD LOAD
 10,000 POUND LIVE LOAD

PLOT SCALE: 1/4" = 1'-0"
 A:\Projects\91610\91610.dwg
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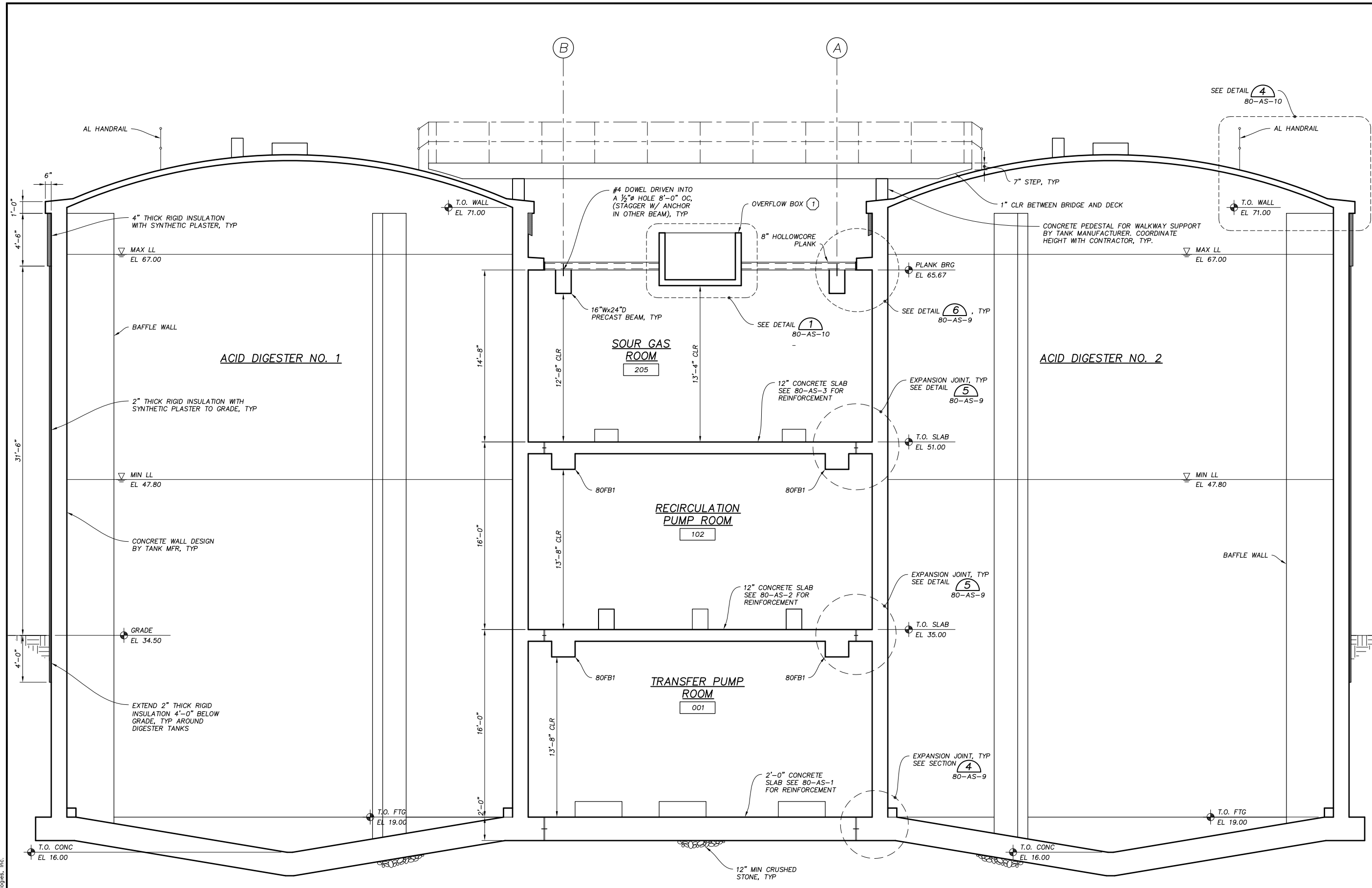
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MADISON METROPOLITAN SEWERAGE DISTRICT
ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
MADISON, WISCONSIN

ACID DIGESTER FACILITY
ARCHITECTURAL/STRUCTURAL
SECTION

DESIGNED BY:	M.A.H./J.T.
DRAWN BY:	J.T.H./P.C.G.
CHECKED BY:	W.A.E.
APPROVED BY:	P.A.T.
PROJECT NO.	4635
DATE	OCT 2011
DRAWING NO.	80-AS-6



SECTION A
1/4" = 1'-0"
80-A-1
80-AS-1, 80-AS-2,
80-AS-3, 80-AS-4, 80-AS-5

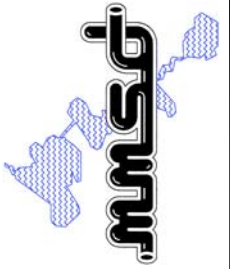
KEYED NOTES:

- 1 OVERFLOW BOX IS TO BE CAST-IN-PLACE, SEE DETAILS 1 & 2
80-AS-10 80-AS-10

GENERAL NOTES:

- 1. SEE MFR DRAWINGS FOR DETAILS ON ACID DIGESTER TANKS.
- 2. FOR BEAM SIZE AND REINFORCEMENT, SEE SCHEDULE ON 95-S-1.

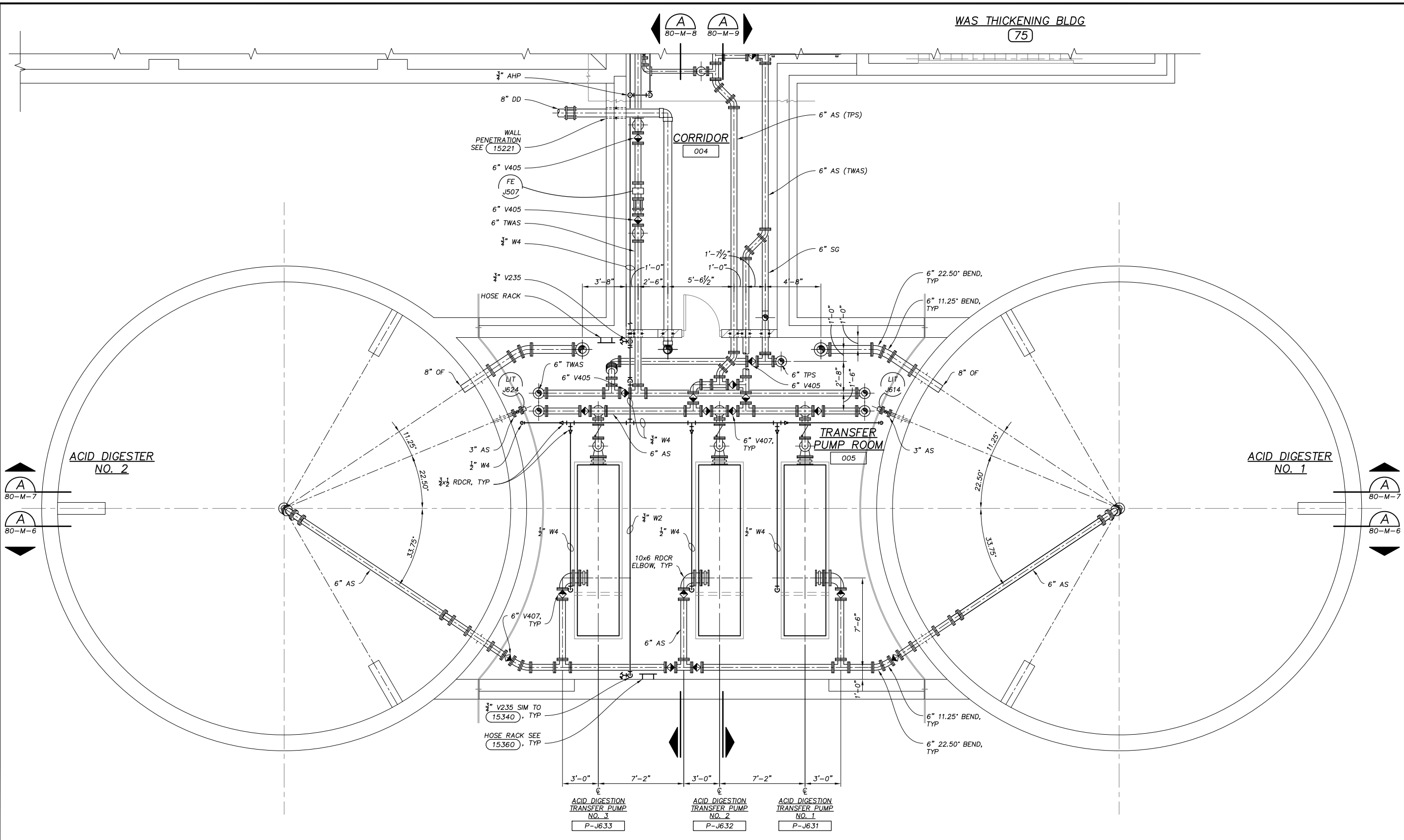
PLOTSCALE: 1/4" = 1'-0"
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MADISON METROPOLITAN SEWERAGE DISTRICT
ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
MADISON, WISCONSIN
**ACID DIGESTER FACILITY
MECHANICAL PLAN**

DESIGNED BY:	P.A.T.
DRAWN BY:	J.C.S.
CHECKED BY:	W.A.E.
APPROVED BY:	P.A.T.
PROJECT NO.	4635
DATE	OCT 2011
DRAWING NO.	80-M-1



LOWER PLAN
1/4" = 1'-0"
TRUE NORTH PLAN NORTH

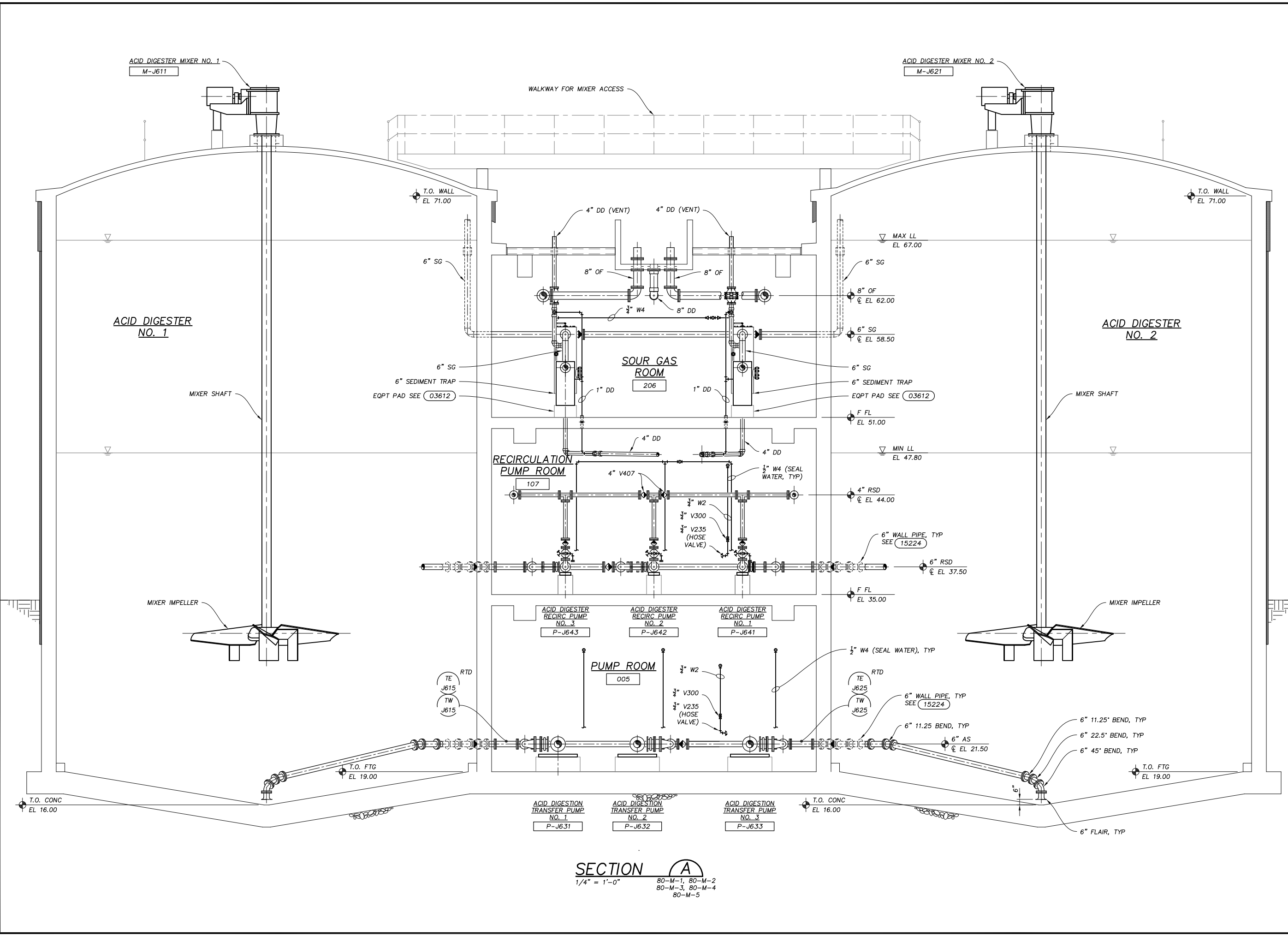
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ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
MADISON, WISCONSIN

DESIGNED BY: P.A.T.	APVD
DRAWN BY: J.T.H.	BY
CHECKED BY: W.A.E.	REVISIONS AND RECORD OF ISSUE
APPROVED BY: P.A.T.	DATE
PROJECT NO. 4635	NO.
DATE OCT 2011	
DRAWING NO. 80-M-6	



PLS/SCALE: 1
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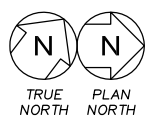
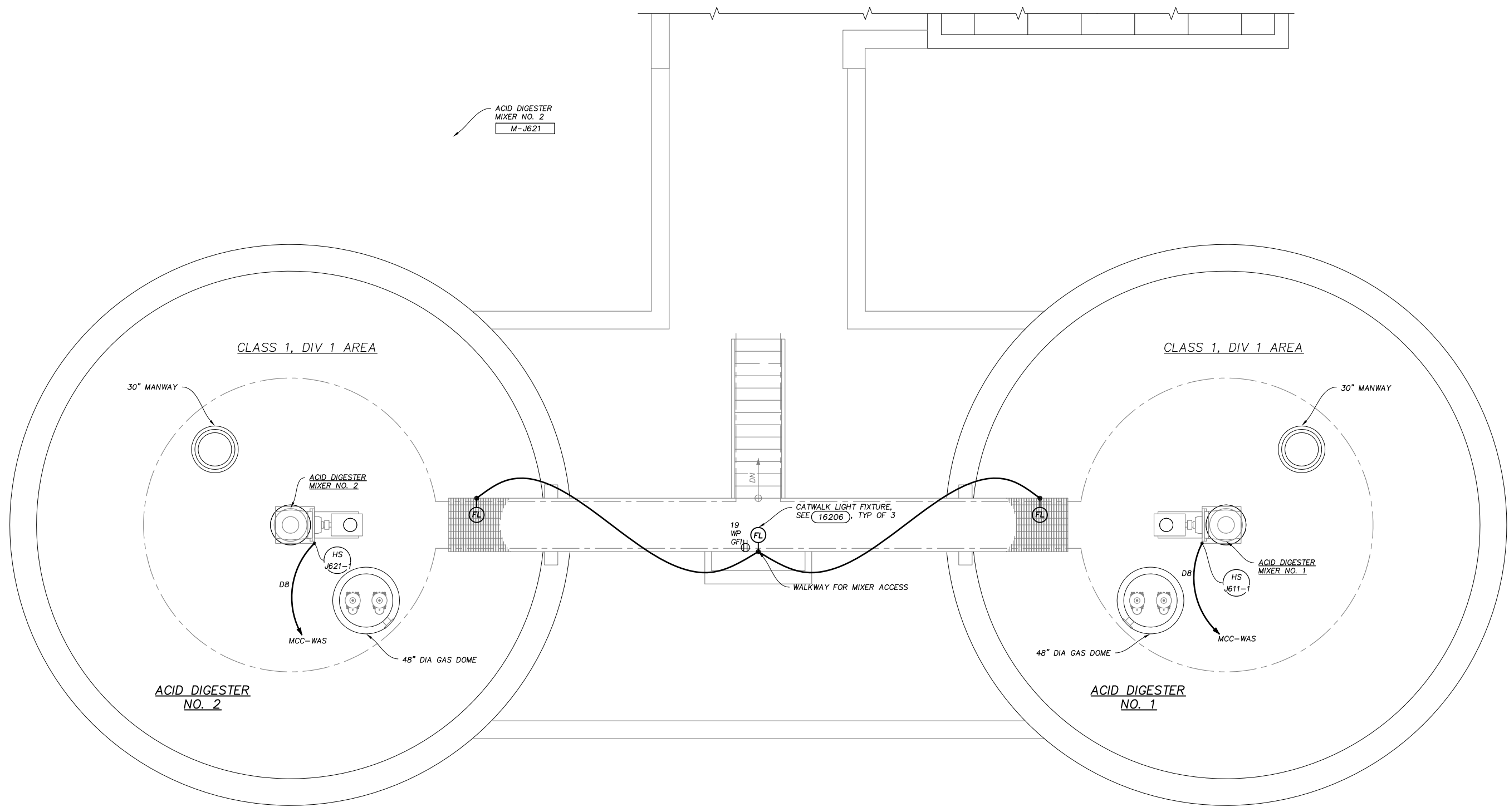
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MADISON METROPOLITAN SEWERAGE DISTRICT
ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
MADISON, WISCONSIN
**ACID DIGESTER FACILITY
ELECTRICAL
PLAN**

VERIFY SCALES
LENGTH OF BAR IS 1"
ON ORIGINAL DRAWING
1:2
PLOT SCALE, ADJUST
SCALE(S) ACCORDINGLY

DESIGNED BY:	G.A.G.
DRAWN BY:	P.C.G.
CHECKED BY:	W.A.E.
APPROVED BY:	P.A.T.
PROJECT NO.	4635
DATE	OCT 2011
DRAWING NO.	80-E-5



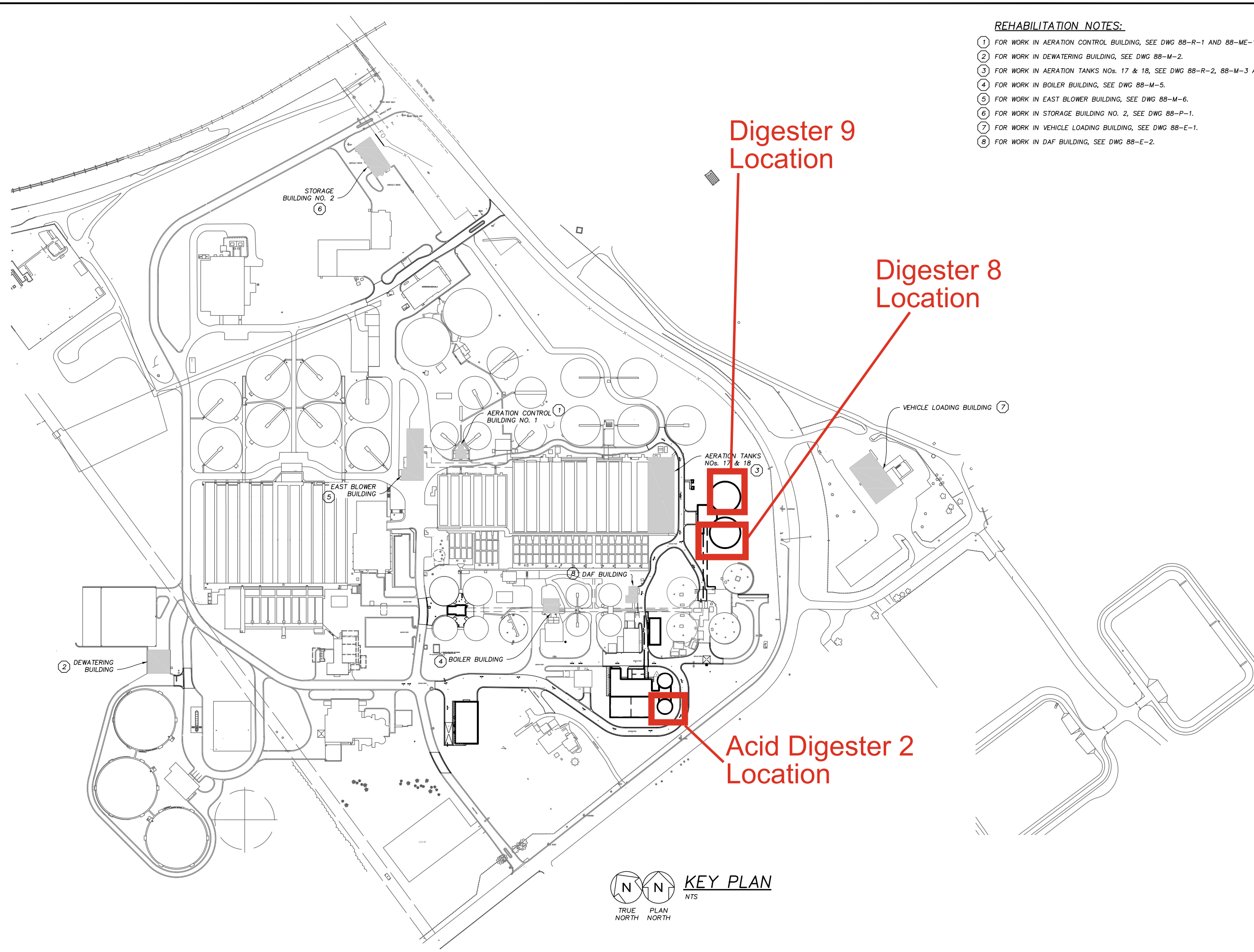
LIGHTING, RECEPTACLE & POWER/SYSTEMS PLAN – COVER

1/4" = 1'-0"

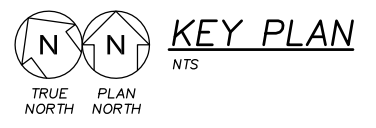
- NOTES:**
- ALL LIGHTING AND OUTLETS SHALL BE WIRED WITH #12AWG WIRE (MIN) IN 3/4" CONDUIT.
 - STRUCTURES SHOWN SHALL INCLUDE A LIGHTNING PROTECTION SYSTEM (COMPONENTS NOT SHOWN), REFER TO 16670.

PLS/SCALE: 1
 A:\Projects\PHICS\Drawings\Final Design\80-E-5 PLAN.dwg
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PSLUSCALE: 1
 A:\Projects\88-G-1\Final Design\88-G-1 KEY PLAN.dwg
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 Plotted On: 10/14/2011 7:26 AM by JEFF HARNER



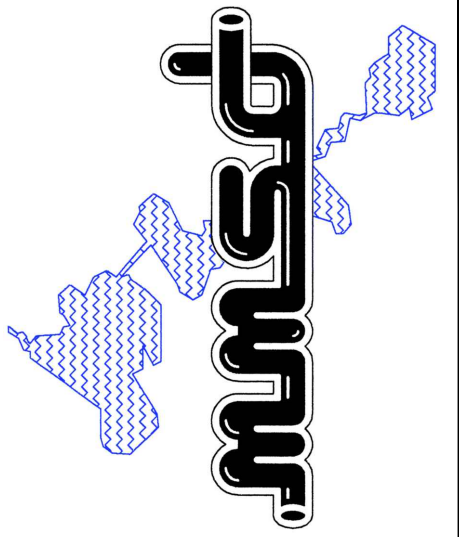
- REHABILITATION NOTES:**
- ① FOR WORK IN AERATION CONTROL BUILDING, SEE DWG 88-R-1 AND 88-ME-1.
 - ② FOR WORK IN DEWATERING BUILDING, SEE DWG 88-M-2.
 - ③ FOR WORK IN AERATION TANKS Nos. 17 & 18, SEE DWG 88-R-2, 88-M-3 AND 88-M-4.
 - ④ FOR WORK IN BOILER BUILDING, SEE DWG 88-M-5.
 - ⑤ FOR WORK IN EAST BLOWER BUILDING, SEE DWG 88-M-6.
 - ⑥ FOR WORK IN STORAGE BUILDING NO. 2, SEE DWG 88-P-1.
 - ⑦ FOR WORK IN VEHICLE LOADING BUILDING, SEE DWG 88-E-1.
 - ⑧ FOR WORK IN DAF BUILDING, SEE DWG 88-E-2.



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		REVISIONS AND RECORD OF ISSUE	
NO.	DATE		

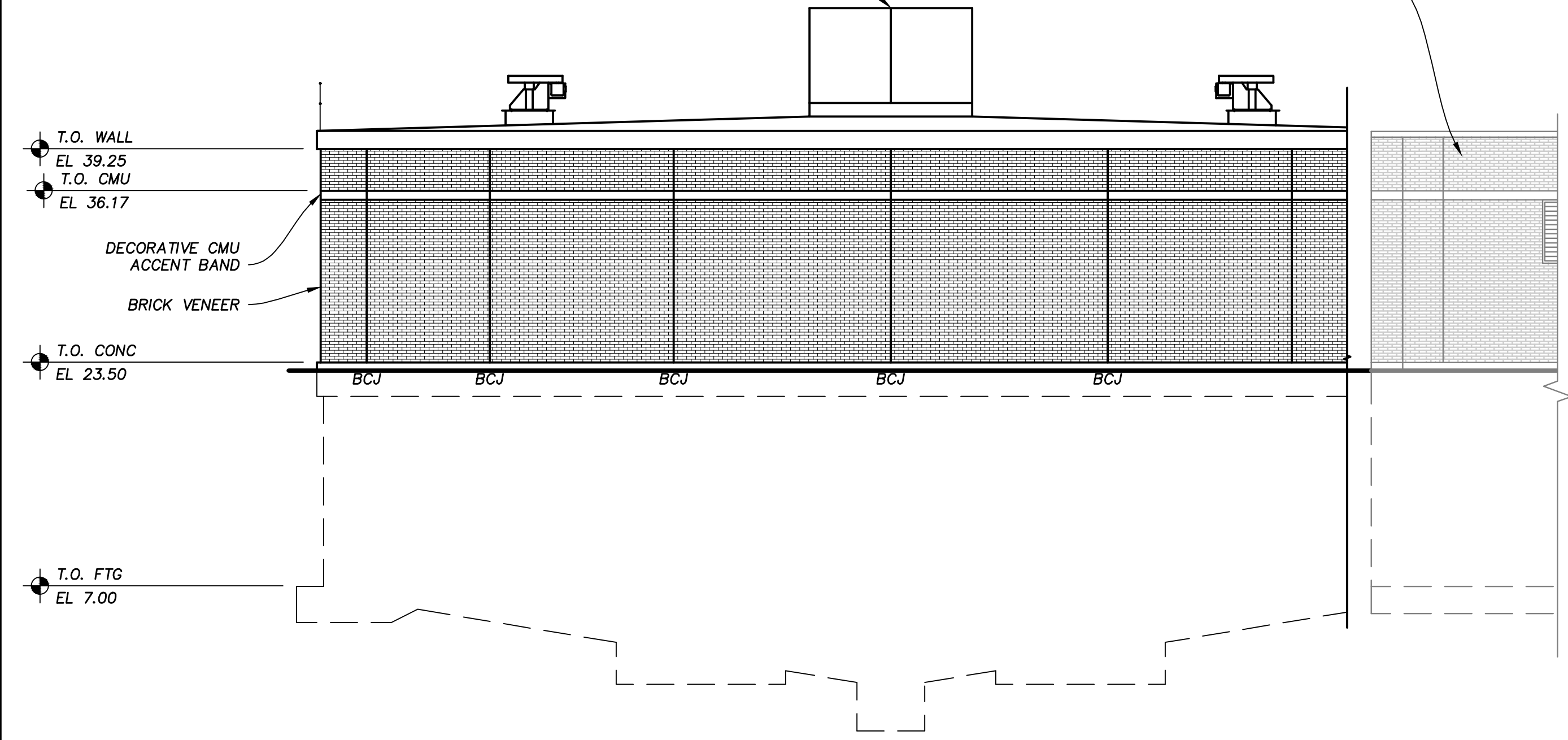
MADISON METROPOLITAN SEWERAGE DISTRICT
 ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
 MADISON, WISCONSIN
 MISCELLANEOUS SITE MODIFICATIONS
 GENERAL
 KEY PLAN

VERIFY SCALES LENGTH OF BAR IS 1" ON ORIGINAL DRAWING
1:2 PLOT SCALE, ADJUST SCALE(S) ACCORDINGLY
DESIGNED BY: W.A.E.
DRAWN BY: P.C.G.
CHECKED BY: W.A.E.
APPROVED BY: P.A.T.
PROJECT NO. 4635
DATE OCT 2011
DRAWING NO. 88-G-1

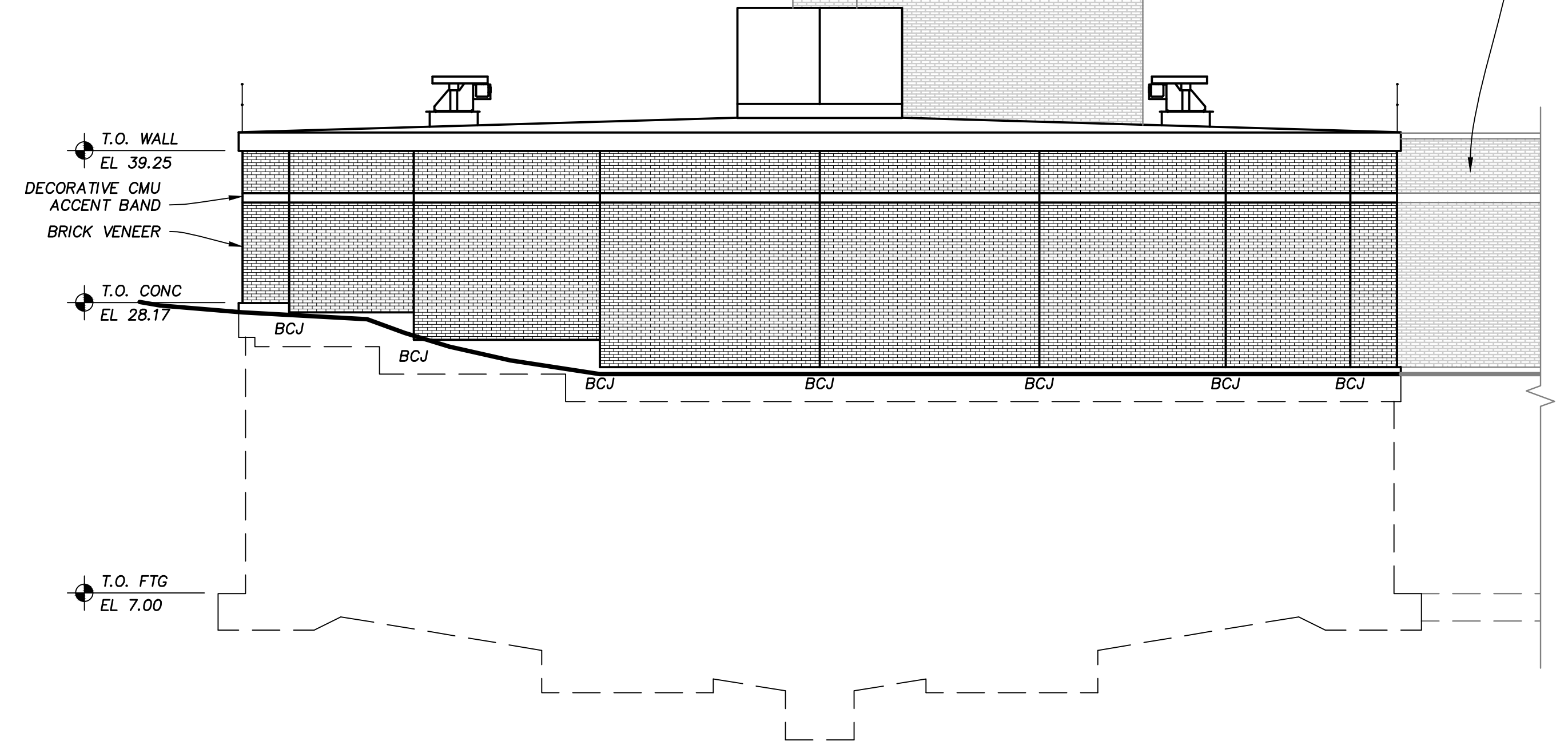


SLUDGE CONTROL BUILDING NO. 3
SEE GROUP 35

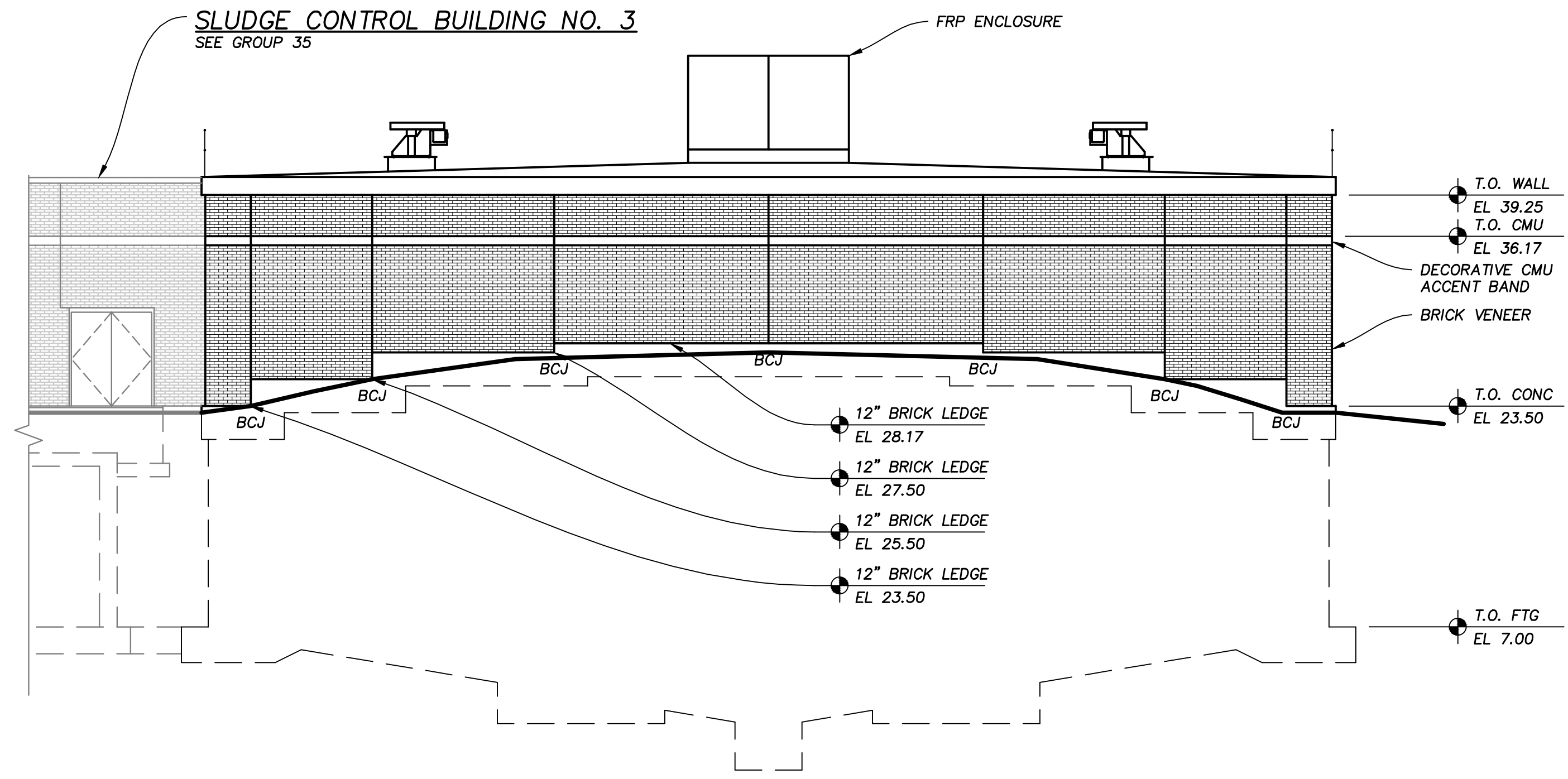
SLUDGE CONTROL BUILDING NO. 3
SEE GROUP 35



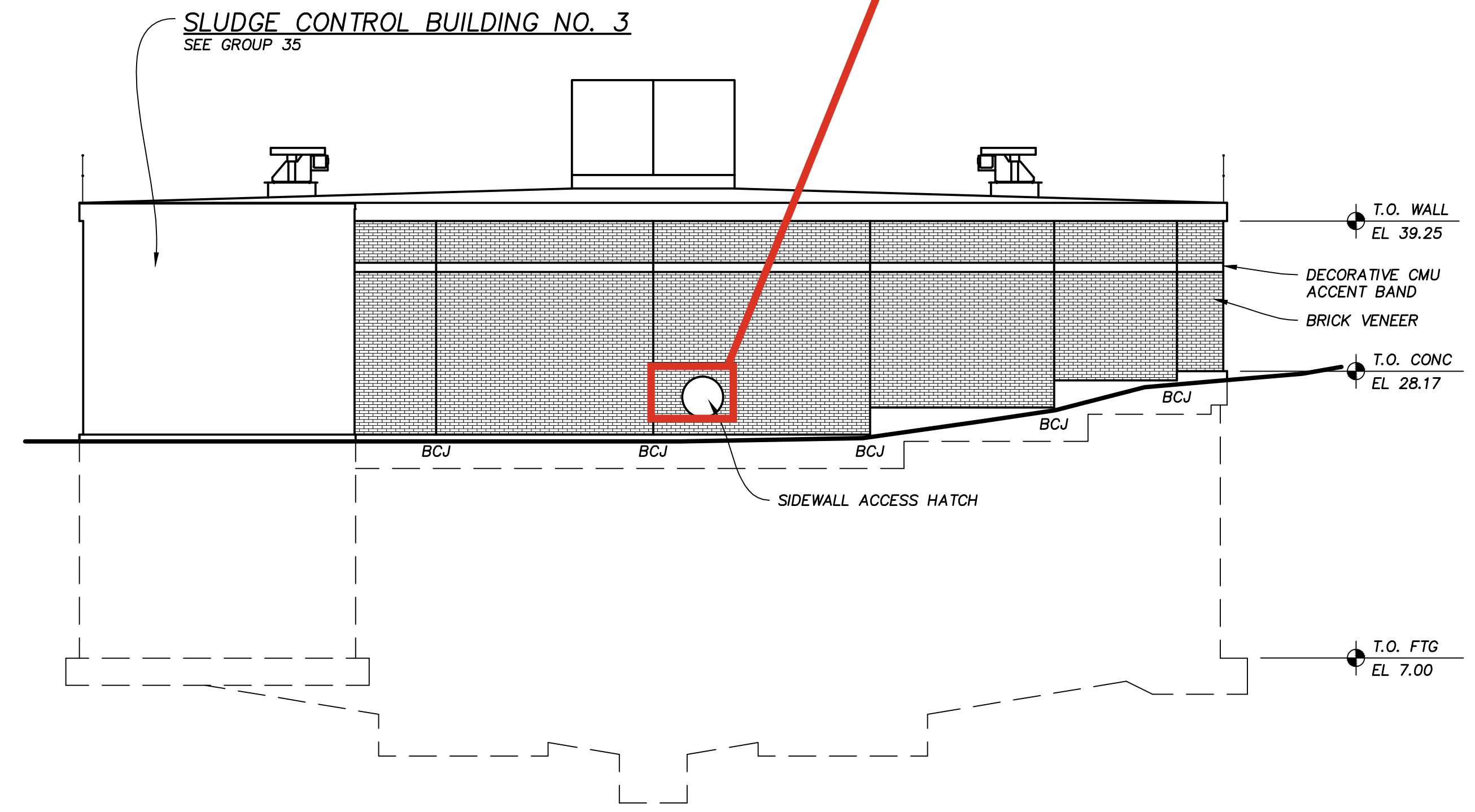
NORTH ELEVATION ①
1/8" = 1'-0"



EAST ELEVATION ②
1/8" = 1'-0"



SOUTH ELEVATION ③
1/8" = 1'-0"



WEST ELEVATION ④
1/8" = 1'-0"

- GENERAL NOTES:**
- BCJ - BRICK CONTROL JOINT, SEE 04011
 - BRICK CONTROL JOINTS SHALL BE SPACED EQUALLY AT 22.5' AROUND ENTIRE DIGESTER.

Applied Technologies Engineers - Architects	REVISIONS AND RECORD OF ISSUE	BY	APVD
	RECORD DRAWINGS		
NO.	DATE	DEC 2014	W.A.E.
			D.L.D.

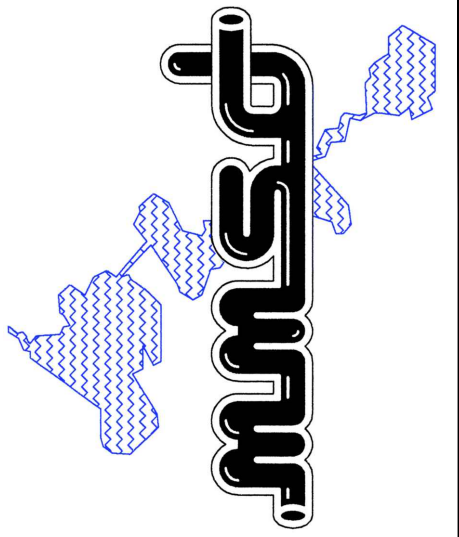
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MADISON METROPOLITAN SEWERAGE DISTRICT
ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
MADISON, WISCONSIN

DIGESTER NO. 8
ARCHITECTURAL
ELEVATIONS

VERIFY SCALES LENGTH OF BAR IS 1" ON ORIGINAL DRAWING
1:1 PLOT SCALE, ADJUST SCALE(S) ACCORDINGLY
DESIGNED BY: M.A.H.
DRAWN BY: J.C.S./P.C.G.
CHECKED BY: P.A.T.
APPROVED BY: W.A.E.
PROJECT NO. 4635
DATE OCT 2011
DRAWING NO. 30-A-1

PLOTSCALE: 1
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 Last Modified: 23 June 2014
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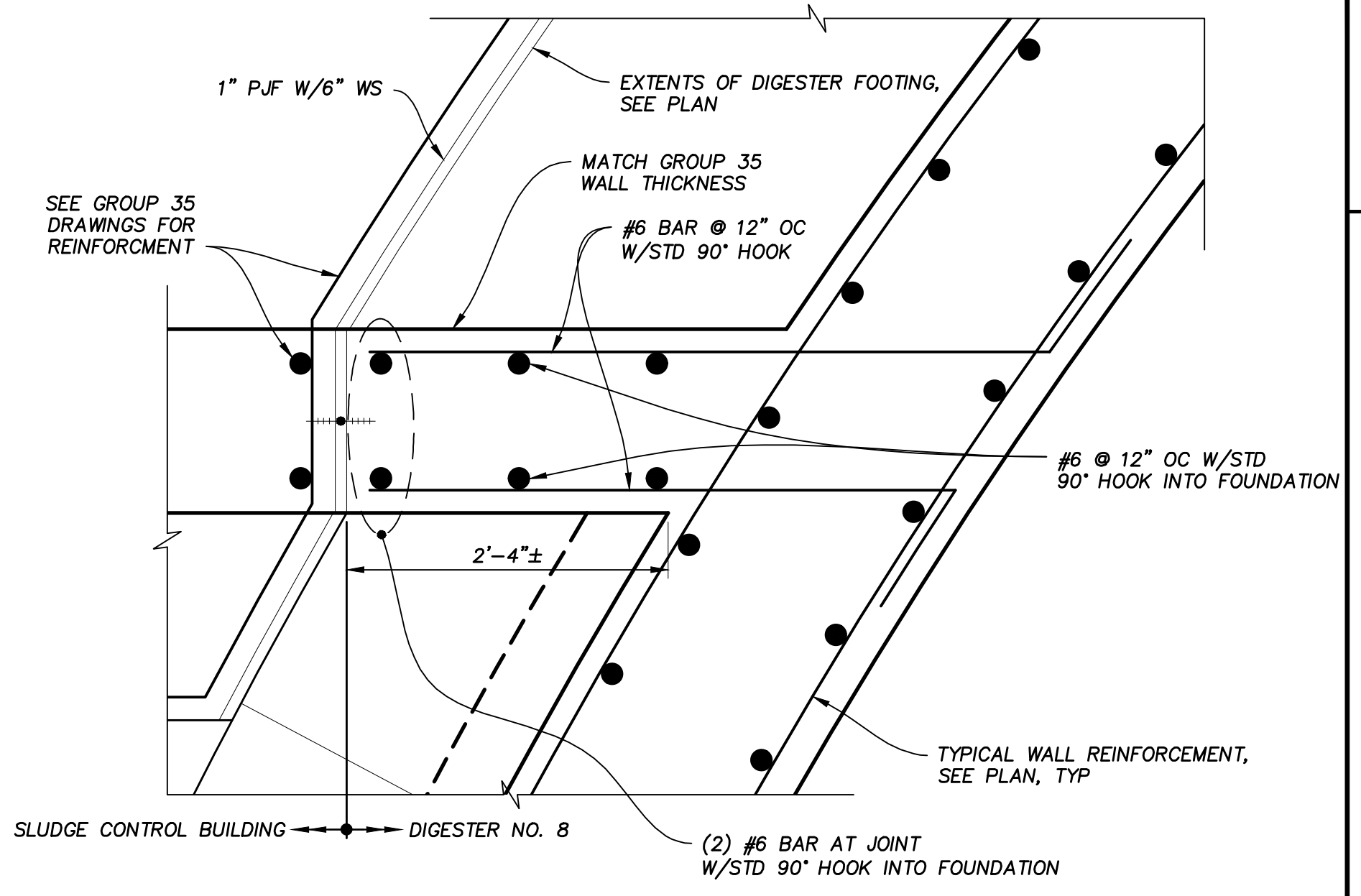
APVD	BY	REVISIONS AND RECORD OF ISSUE	DATE	NO.
		RECORD DRAWINGS	DEC 2014	1
THESE DRAWINGS HAVE BEEN PREPARED FROM BID DRAWINGS AND CONSTRUCTION FIELD NOTES. WHILE REASONABLE CARE HAS BEEN EXERCISED IN THE PREPARATION OF THESE DRAWINGS, APPLIED TECHNOLOGIES, INC. DOES NOT ASSURE THAT THE DRAWINGS ARE COMPLETELY ACCURATE AND REFER TO APPROVED SHOP DRAWINGS AND OPERATIONS AND MAINTENANCE MANUALS.				
Applied Technologies Engineers - Architects				W.A.E.

MADISON METROPOLITAN SEWERAGE DISTRICT
ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
MADISON, WISCONSIN

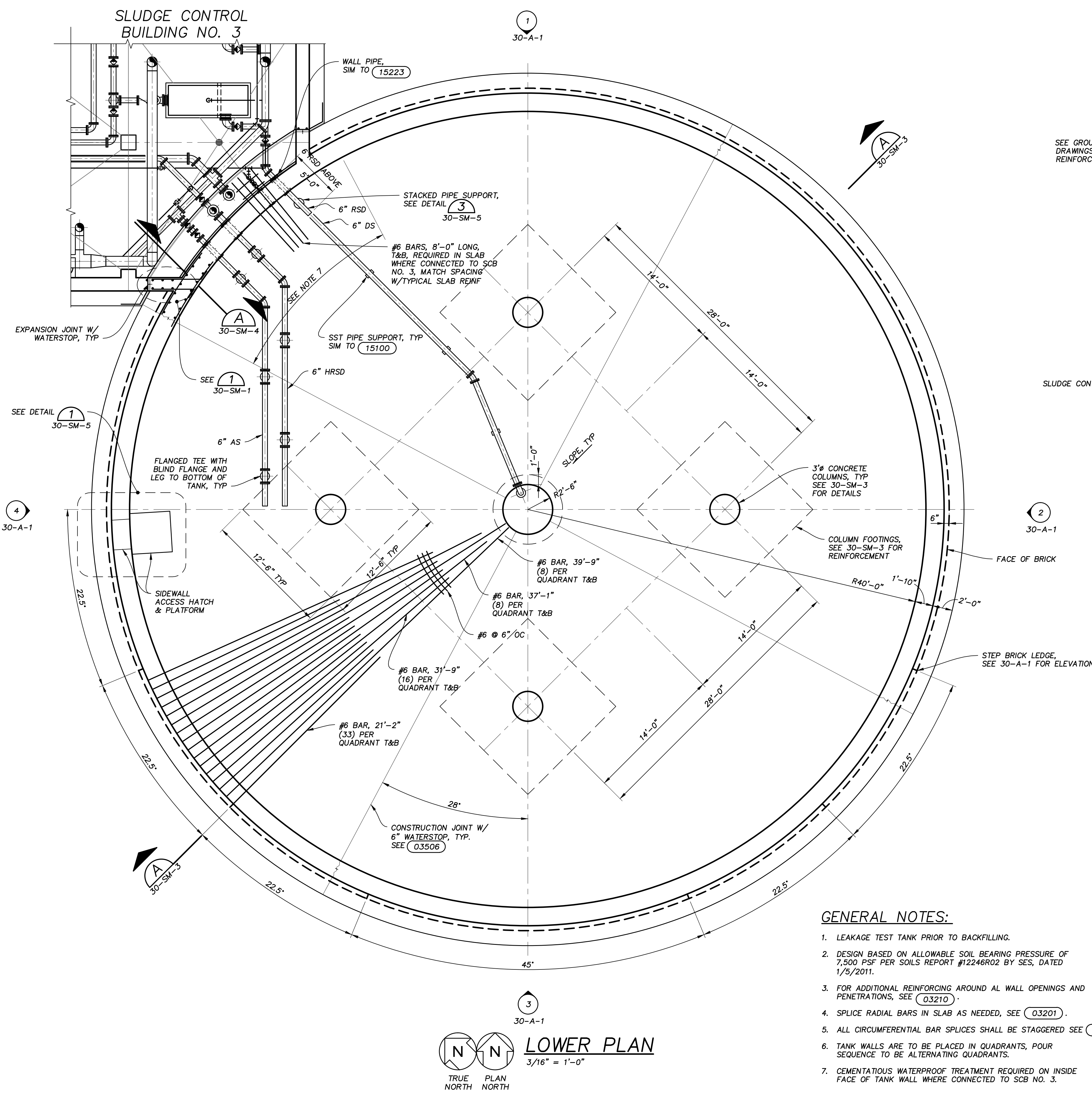
DIGESTER NO. 8
STRUCTURAL/MECHANICAL
PLAN

DESIGNED BY:	J.T./K.R.H.
DRAWN BY:	J.C.S./P.C.G.
CHECKED BY:	P.A.T.
APPROVED BY:	W.A.E.
PROJECT NO.	4635
DATE	OCT 2011
DRAWING NO.	30-SM-1

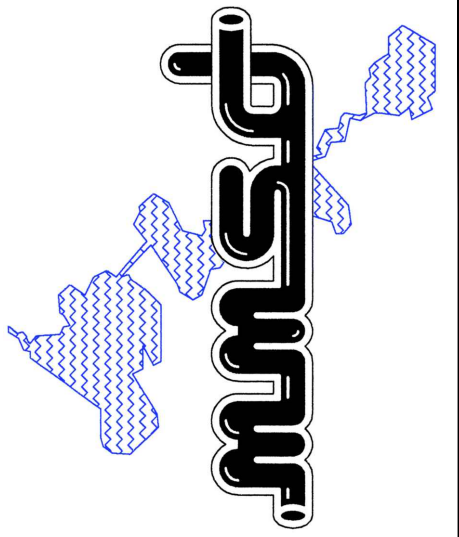
STRUCTURAL DATA	
LOADING INFORMATION	
GOVERNING CODE:	2006 IBC
BUILDING USE CATEGORY	III
DEAD LOADS	
ROOF LOADS	
INSULATION	11 PSF
CONCRETE PAVERS	25 PSF
MISC DEAD	20 PSF
TOTAL MAX ROOF DEAD LOAD	56 PSF
EQUIPMENT	
DIGESTER MIXER	4,100 LBS
GAS DOME	452 LBS
LIVE LOADS	
ROOF LOADS	
MINIMUM ROOF LIVE LOAD	100 PSF
ROOF SNOW LOAD	
SNOW IMPORTANCE FACTOR	P _g = 1.1
GROUND SNOW LOAD	S _t = 30 PSF
SNOW EXPOSURE FACTOR	C _e = 1.0
THERMAL FACTOR	C _t = 1.0
FLAT ROOF SNOW	P _f = 23 PSF
WIND LOADING	
WIND IMPORTANCE FACTOR	1.15
BASIC WIND SPEED	90 MPH
WIND EXPOSURE	C
SEISMIC LOADING	
SEISMIC IMPORTANT FACTOR	1.25
MAPPED SPECTRAL RESPONSE ACCELERATION	S _s = 0.105
SPECTRAL RESPONSE COEFFICIENTS	S ₁ = 0.044
	SDS = 0.084
	SD1 = 0.050
SITE CLASS	C
SEISMIC DESIGN CATEGORY	A
SEISMIC FORCE RESISTING SYSTEM -	N/A FOR SEISMIC DESIGN CATEGORY A
SEISMIC RESPONSE COEFFICIENT	C _s = 0.01
SOIL LOADING	
ALLOWABLE BEARING PRESSURE	7,500 PSF
AT-REST LATERAL SOIL COEFFICIENT	0.5
UNIT WEIGHT OF SOIL	128 PSF
FLUID LOADING	
WASTEWATER	70 PCF



- GENERAL NOTES:**
- LEAKAGE TEST TANK PRIOR TO BACKFILLING.
 - DESIGN BASED ON ALLOWABLE SOIL BEARING PRESSURE OF 7,500 PSF PER SOILS REPORT #12246R02 BY SES, DATED 1/5/2011.
 - FOR ADDITIONAL REINFORCING AROUND ALL WALL OPENINGS AND PENETRATIONS, SEE 03210.
 - SPLICE RADIAL BARS IN SLAB AS NEEDED, SEE 03201.
 - ALL CIRCUMFERENTIAL BAR SPLICES SHALL BE STAGGERED SEE 03203.
 - TANK WALLS ARE TO BE PLACED IN QUADRANTS, POUR SEQUENCE TO BE ALTERNATING QUADRANTS.
 - CEMENTITIOUS WATERPROOF TREATMENT REQUIRED ON INSIDE FACE OF TANK WALL WHERE CONNECTED TO SCB NO. 3.



PLOT SCALE: 1" = 1'-0"
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NO.	DATE	DEC 2014
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		D.L.D.
		W.A.E.

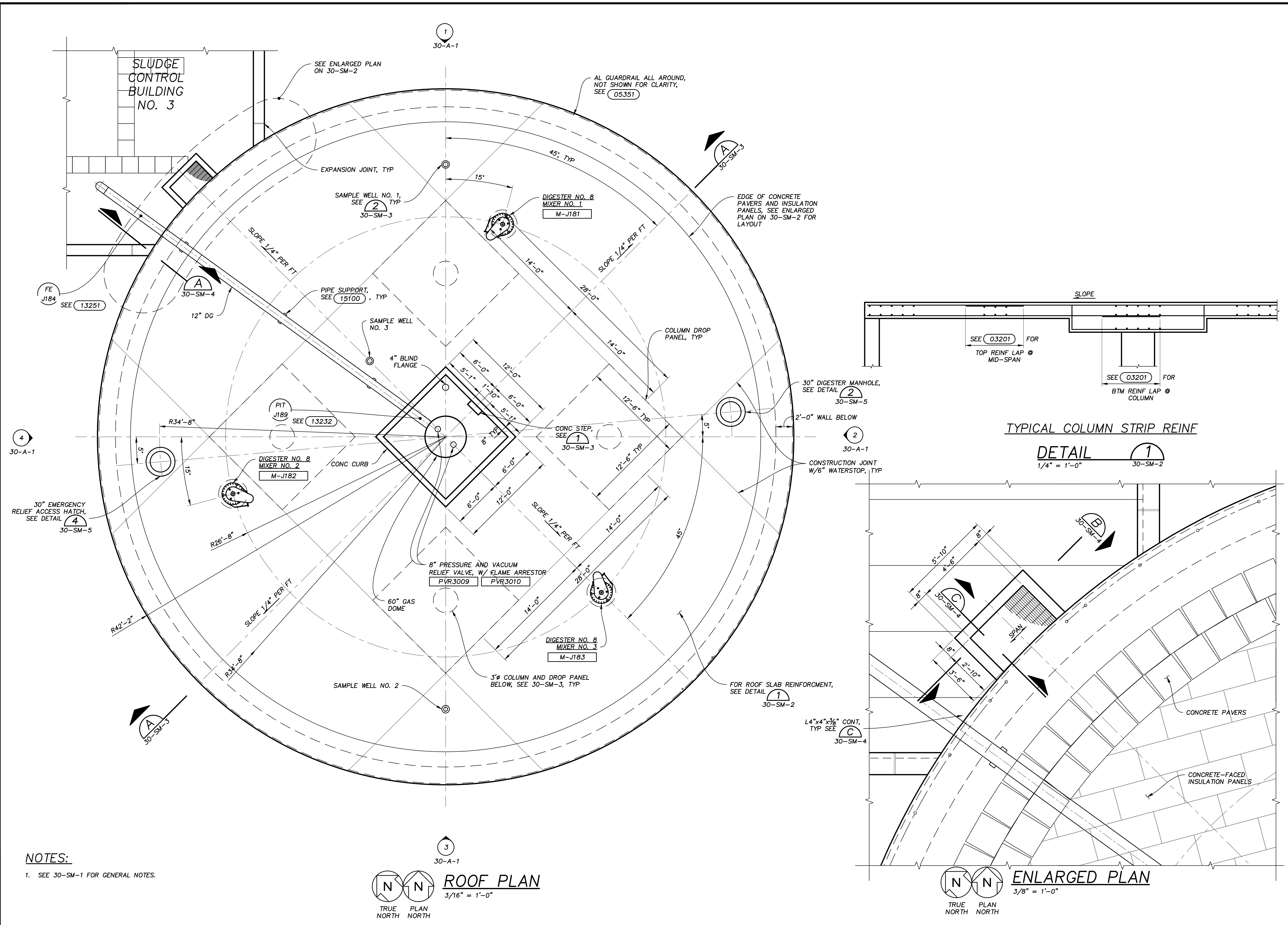
MADISON METROPOLITAN SEWERAGE DISTRICT
ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
MADISON, WISCONSIN

**DIGESTER NO. 8
STRUCTURAL/MECHANICAL
PLANS & DETAILS**

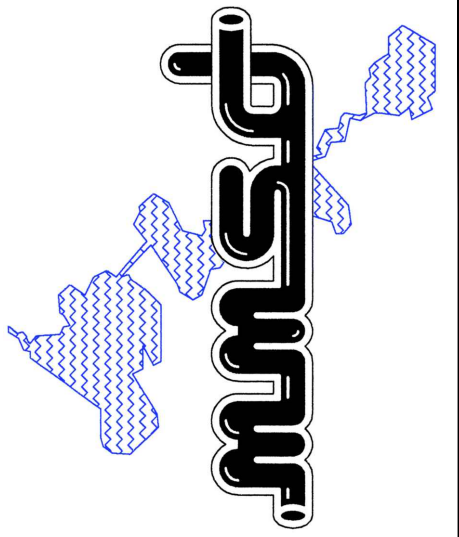
DESIGNED BY:	J.T./K.R.H.
DRAWN BY:	J.C.S.
CHECKED BY:	P.A.T.
APPROVED BY:	W.A.E.
PROJECT NO.	4635
DATE	OCT 2011
DRAWING NO.	30-SM-2

VERIFY SCALES
LENGTH OF BAR IS 1" ON ORIGINAL DRAWING

1:1
PLOT SCALE, ADJUST SCALE(S) ACCORDINGLY



PLOTSCALE: 1
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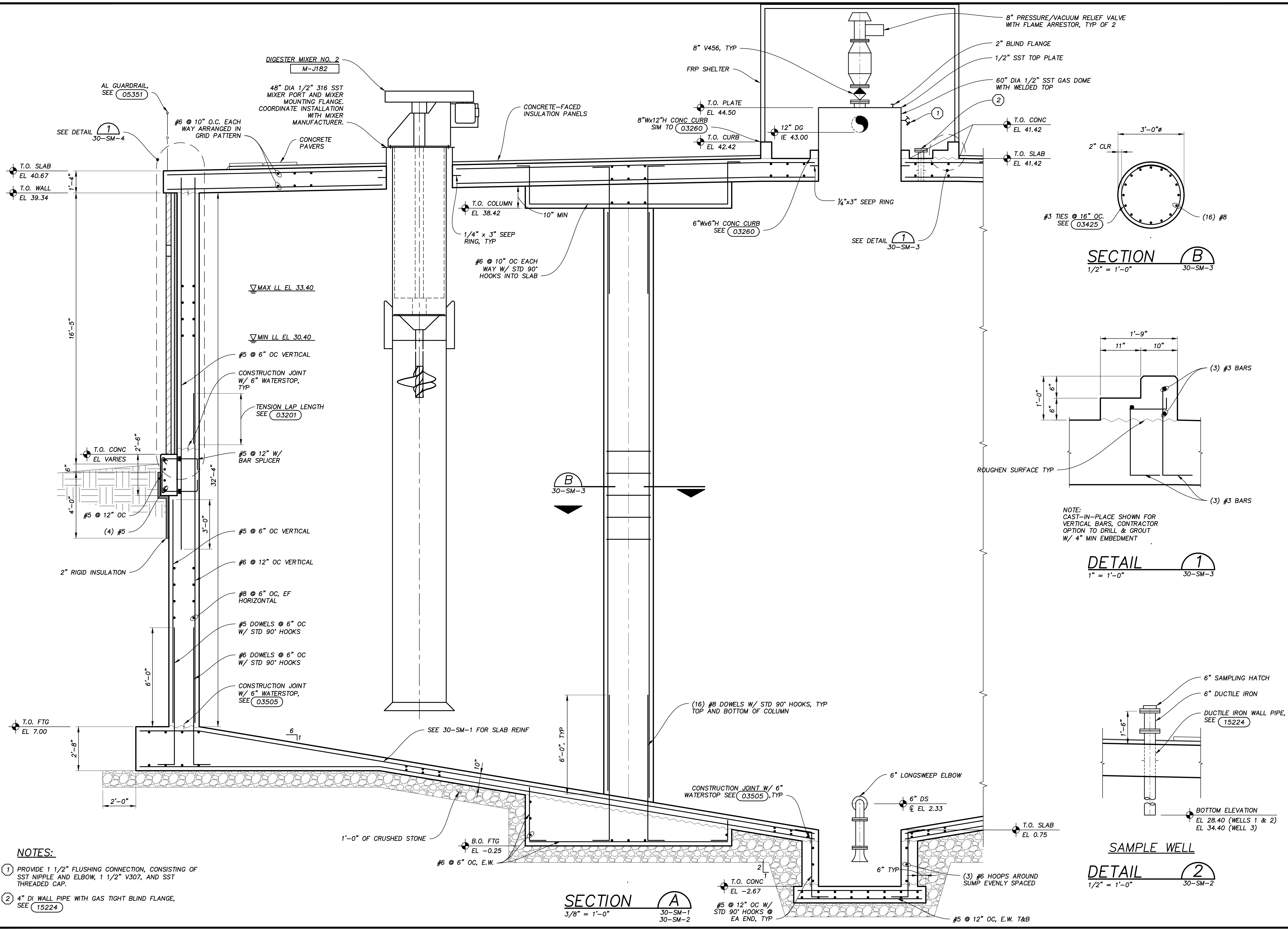


Applied Technologies Engineers - Architects	BY	APVD	W.A.E.
REVISIONS AND RECORD OF ISSUE	NO.	DATE	DEC 2014
RECORD DRAWINGS	THESE DRAWINGS HAVE BEEN PREPARED FROM BID DRAWINGS AND CONSTRUCTION FIELD NOTES. WHILE REASONABLE CARE HAS BEEN TAKEN TO VERIFY THE ACCURACY OF THE DRAWINGS, THE CONTRACTOR'S RESPONSIBILITY IS TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD AND REFER TO APPROVED SHOP DRAWINGS AND OPERATIONS AND MAINTENANCE MANUALS.		
			D.L.D.

MADISON METROPOLITAN SEWERAGE DISTRICT
ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
MADISON, WISCONSIN

DIGESTER NO. 8
STRUCTURAL/MECHANICAL
SECTIONS & DETAIL

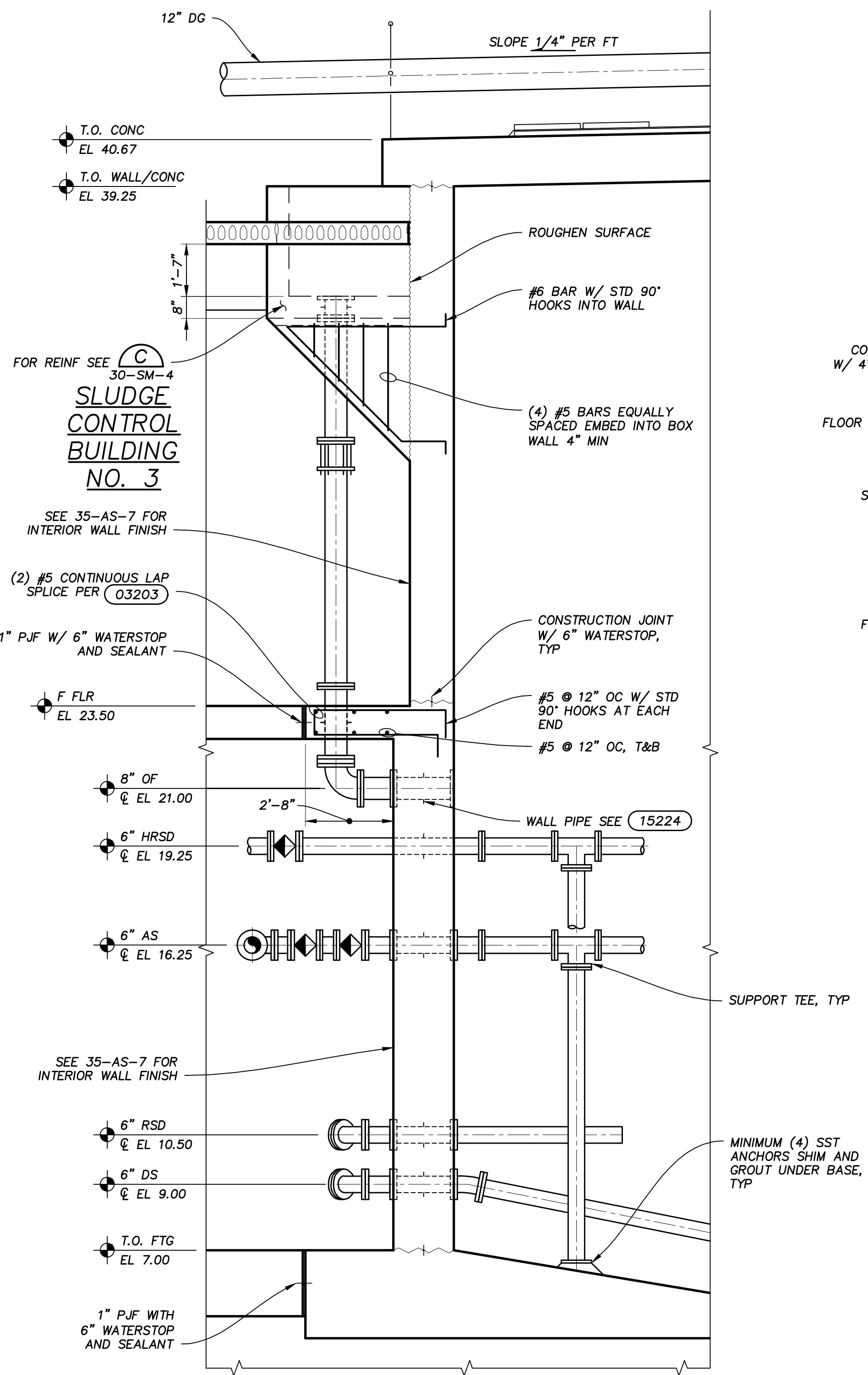
VERIFY SCALES LENGTH OF BAR IS 1" ON ORIGINAL DRAWING
1:1 PLOT SCALE, ADJUST SCALE(S) ACCORDINGLY
DESIGNED BY: J.T./K.R.H.
DRAWN BY: J.C.S.
CHECKED BY: P.A.T.
APPROVED BY: W.A.E.
PROJECT NO. 4635
DATE OCT 2011
DRAWING NO. 30-SM-3



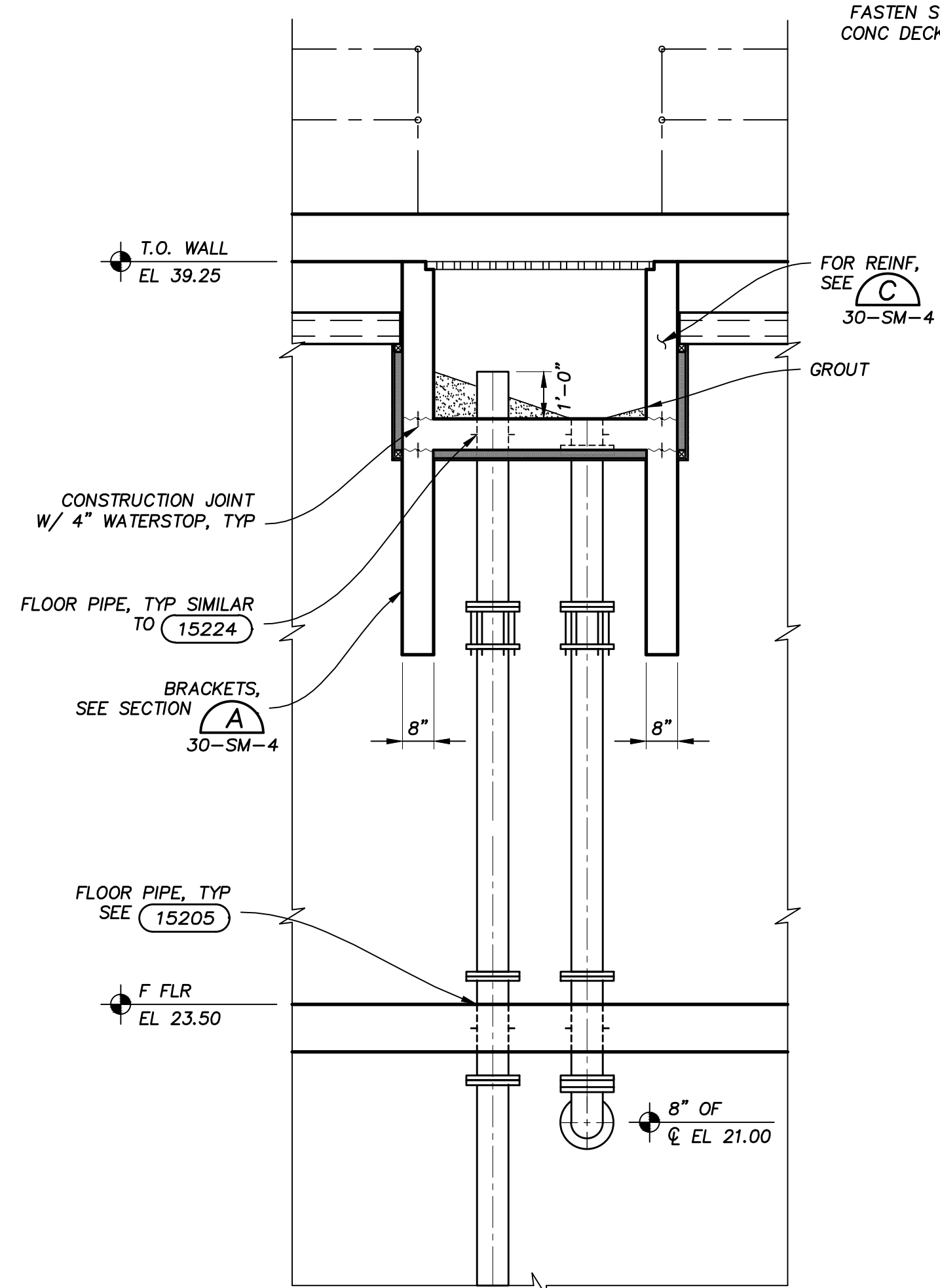
- NOTES:**
- PROVIDE 1 1/2" FLUSHING CONNECTION, CONSISTING OF SST NIPPLE AND ELBOW, 1 1/2" V307, AND SST THREADED CAP.
 - 4" DI WALL PIPE WITH GAS TIGHT BLIND FLANGE, SEE (15224)

PLOTSCALE: 1/8" = 1'-0"
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 Last Modified: 11 August 2014 2:30 PM by P.CBERLACH
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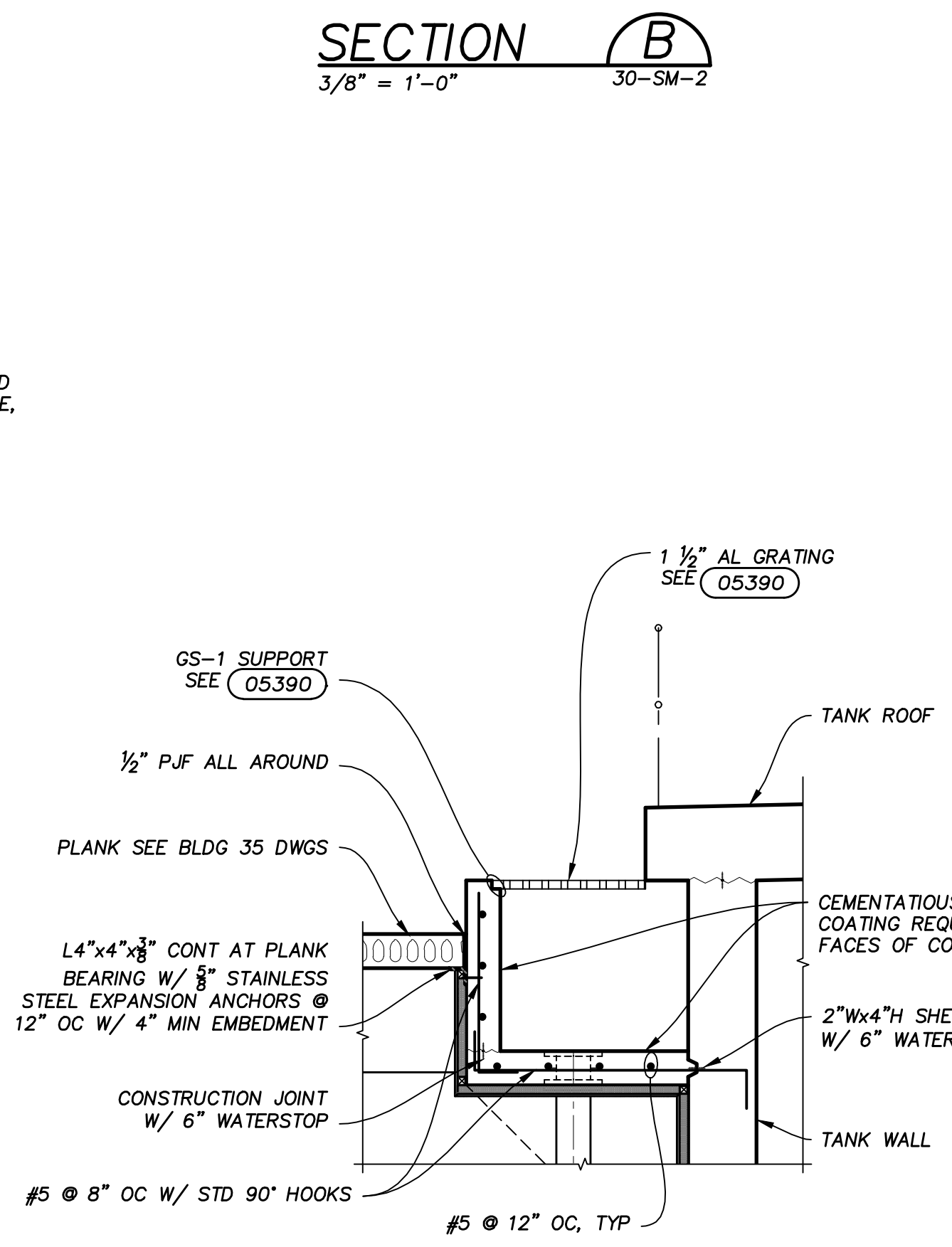
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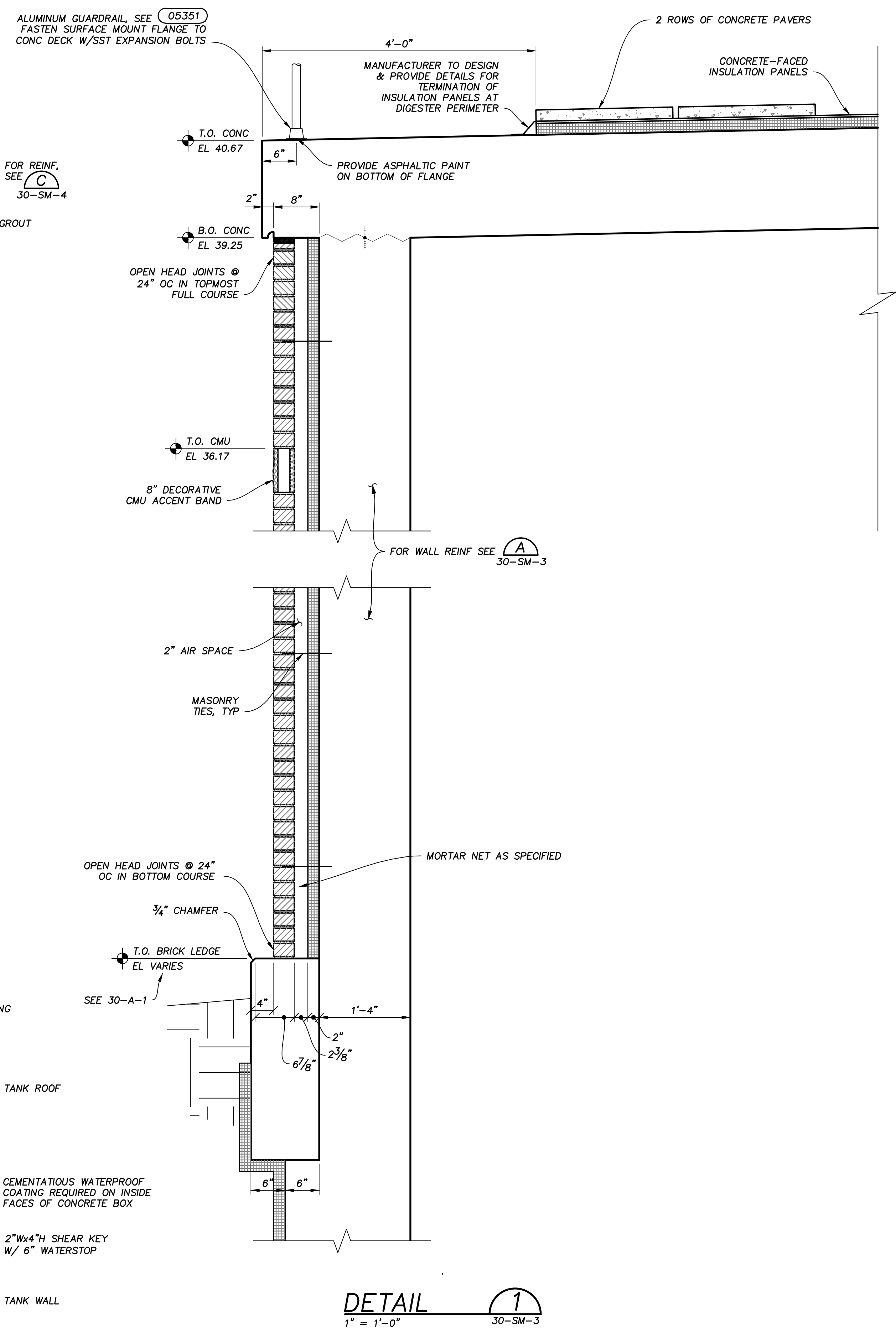
SECTION A
 3/8" = 1'-0"
 30-SM-1
 30-SM-2



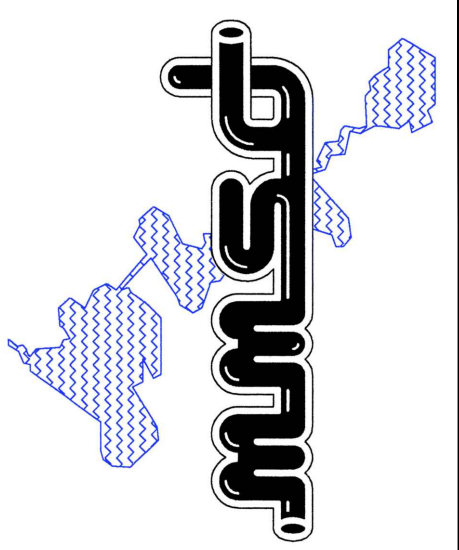
SECTION B
 3/8" = 1'-0"
 30-SM-2



SECTION C
 3/8" = 1'-0"
 30-SM-2



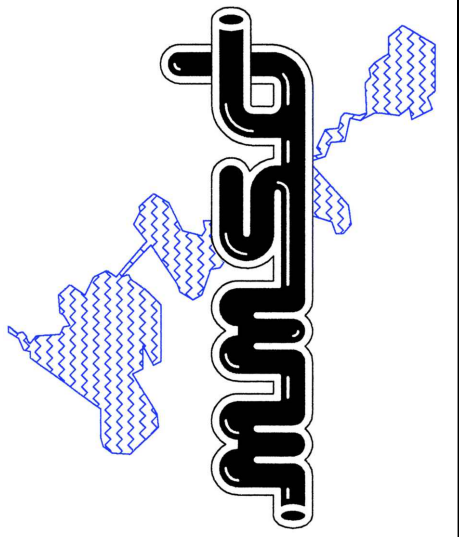
DETAIL 1
 1" = 1'-0"
 30-SM-3



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MADISON METROPOLITAN SEWERAGE DISTRICT
 ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
 MADISON, WISCONSIN
DIGESTER NO. 8
 STRUCTURAL/MECHANICAL
 SECTIONS & DETAIL

VERIFY SCALES LENGTH OF BAR IS 1" ON ORIGINAL DRAWING
1:1 PLOT SCALE, ADJUST SCALE(S) ACCORDINGLY
DESIGNED BY: J.T./K.R.H.
DRAWN BY: J.T.H.
CHECKED BY: P.A.T.
APPROVED BY: W.A.E.
PROJECT NO. 4635
DATE OCT 2011
DRAWING NO. 30-SM-4

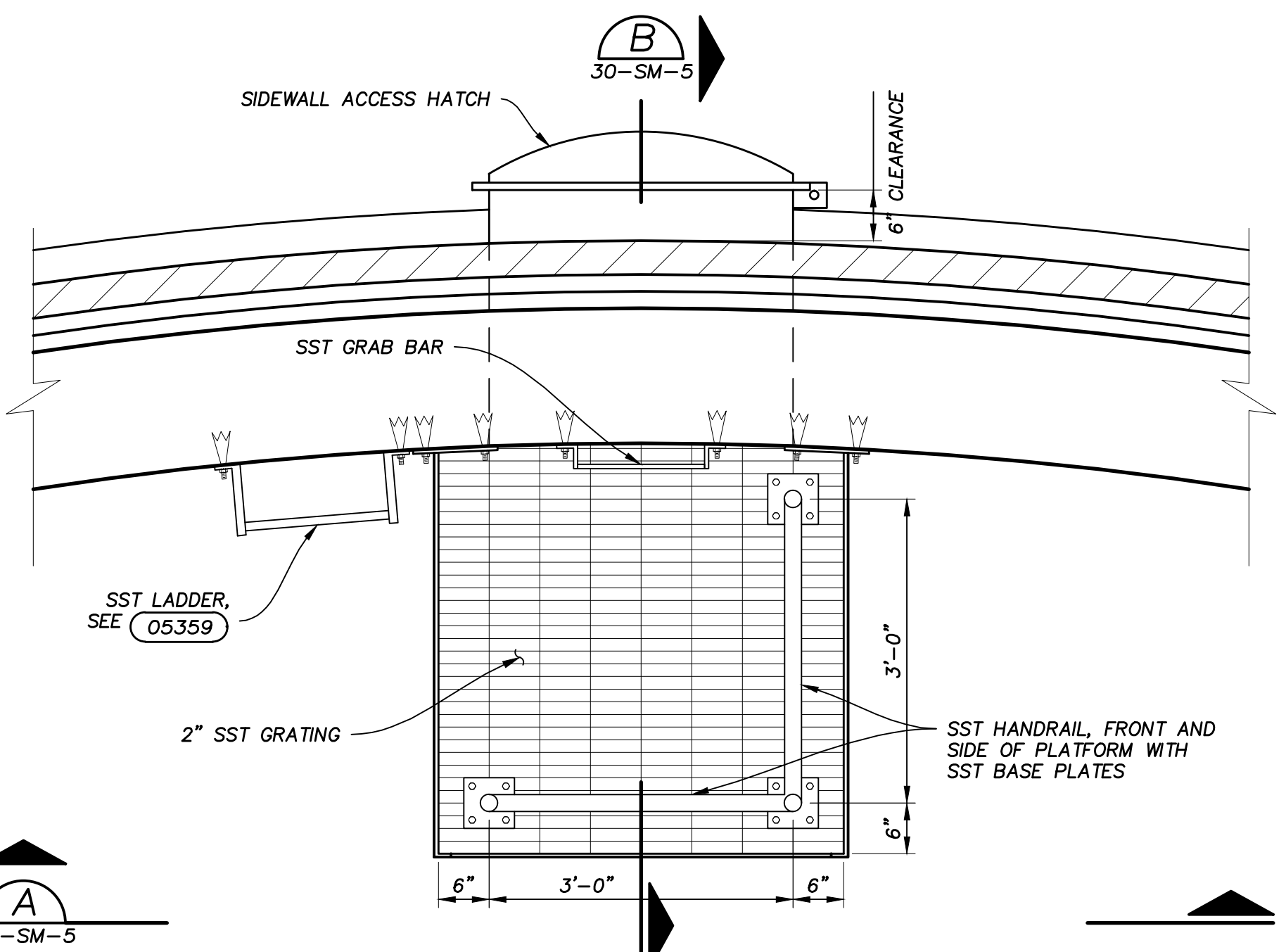


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	REVISIONS AND RECORD OF ISSUE			
	NO.	DATE	DEC 2014	

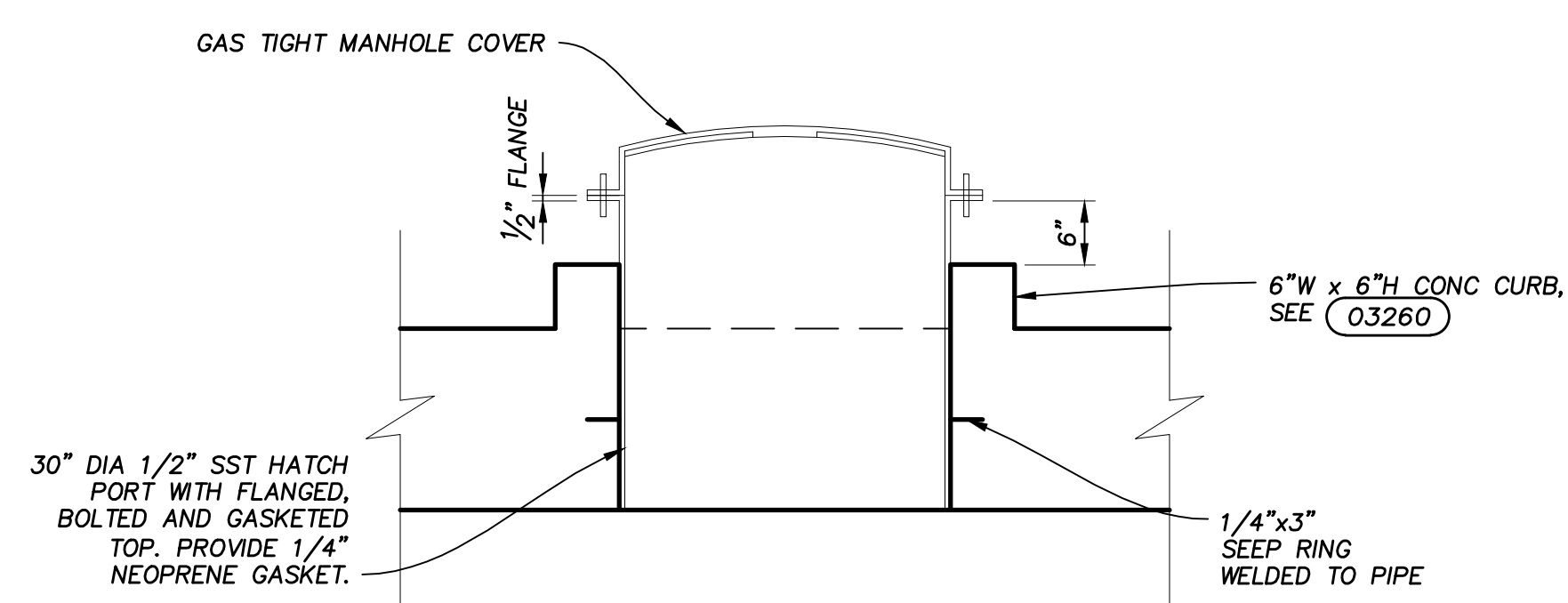
MADISON METROPOLITAN SEWERAGE DISTRICT
ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
MADISON, WISCONSIN

DIGESTER NO. 8
STRUCTURAL/MECHANICAL
SECTIONS & DETAIL

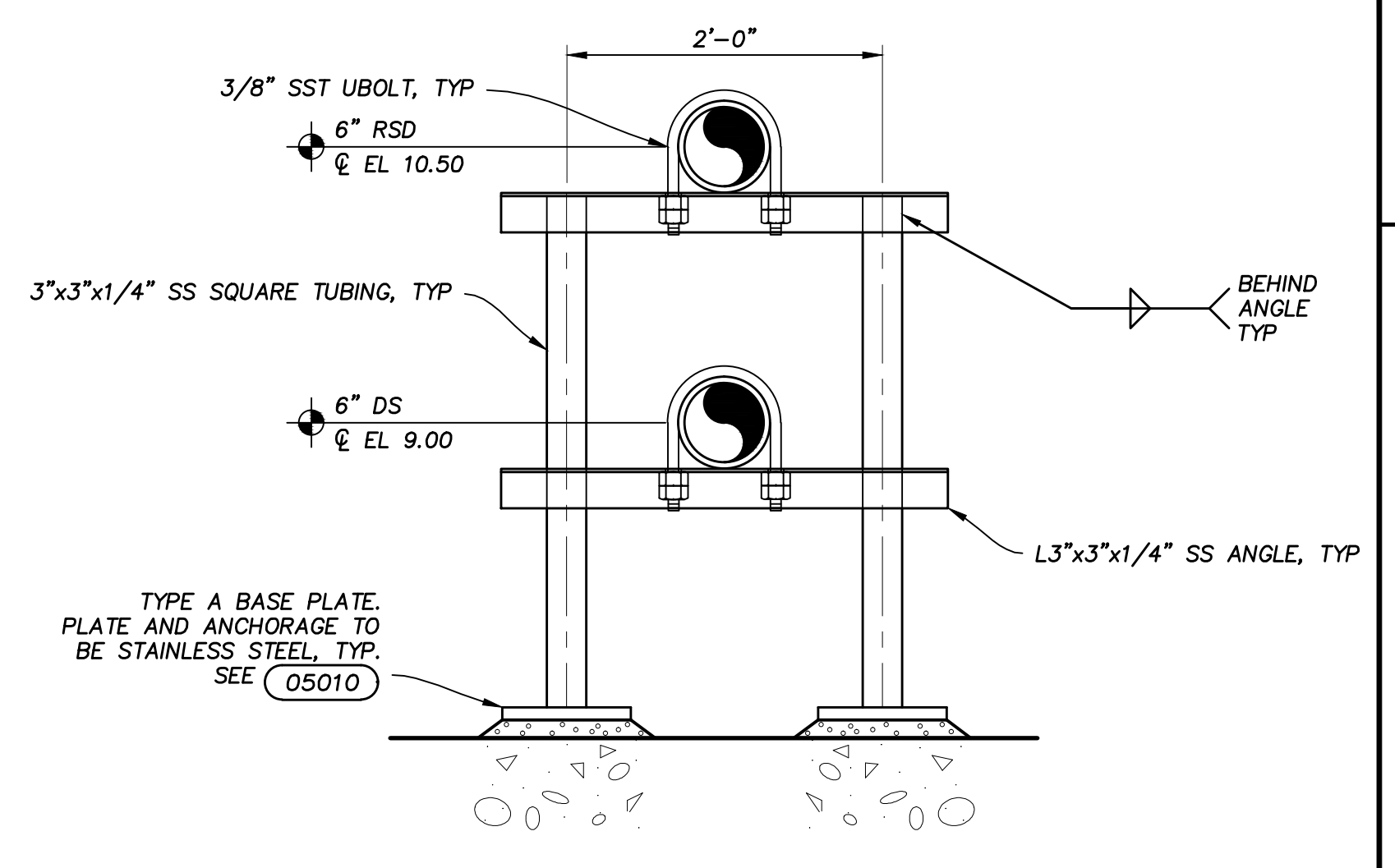
DESIGNED BY:	J.T./K.R.H.
DRAWN BY:	P.C.G.
CHECKED BY:	P.A.T.
APPROVED BY:	W.A.E.
PROJECT NO.	4635
DATE	OCT 2011
DRAWING NO.	30-SM-5



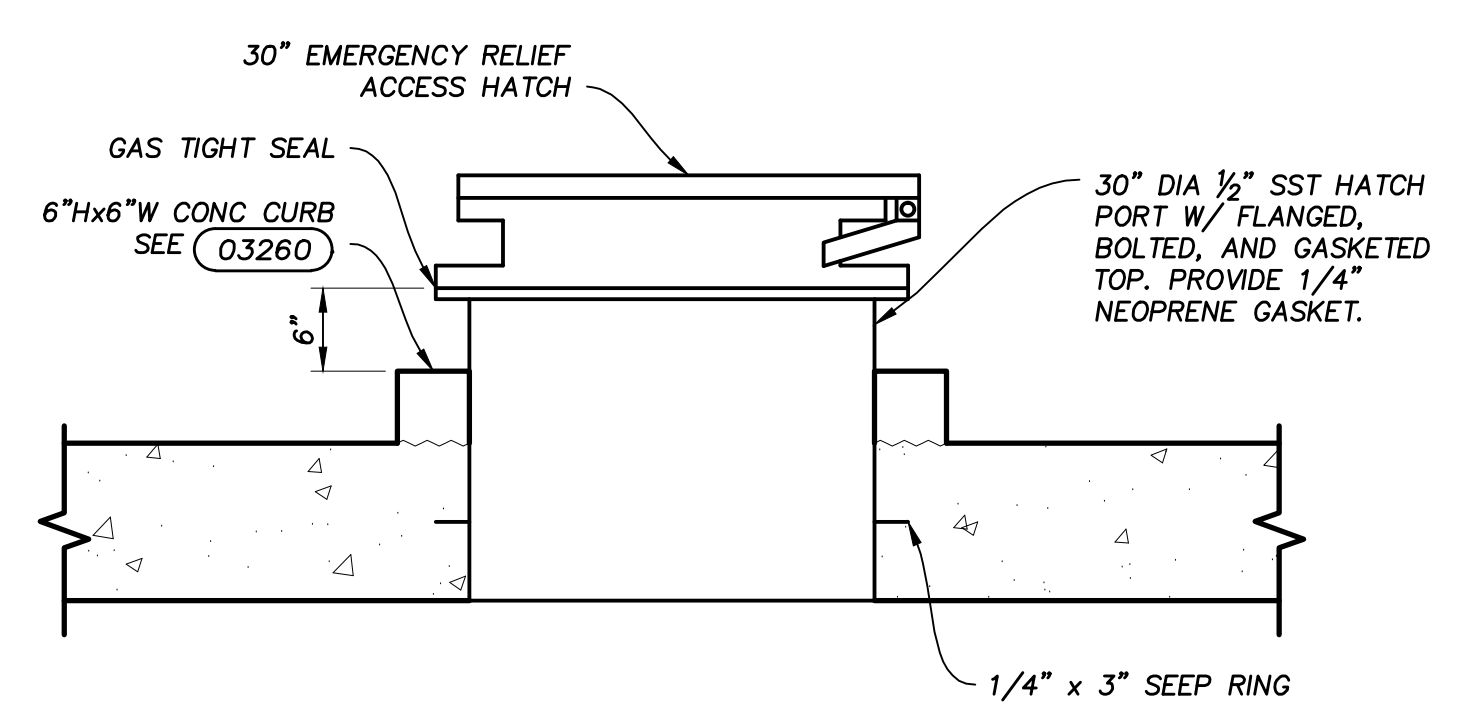
PLATFORM PLAN
DETAIL 1
3/4" = 1'-0" 30-SM-1



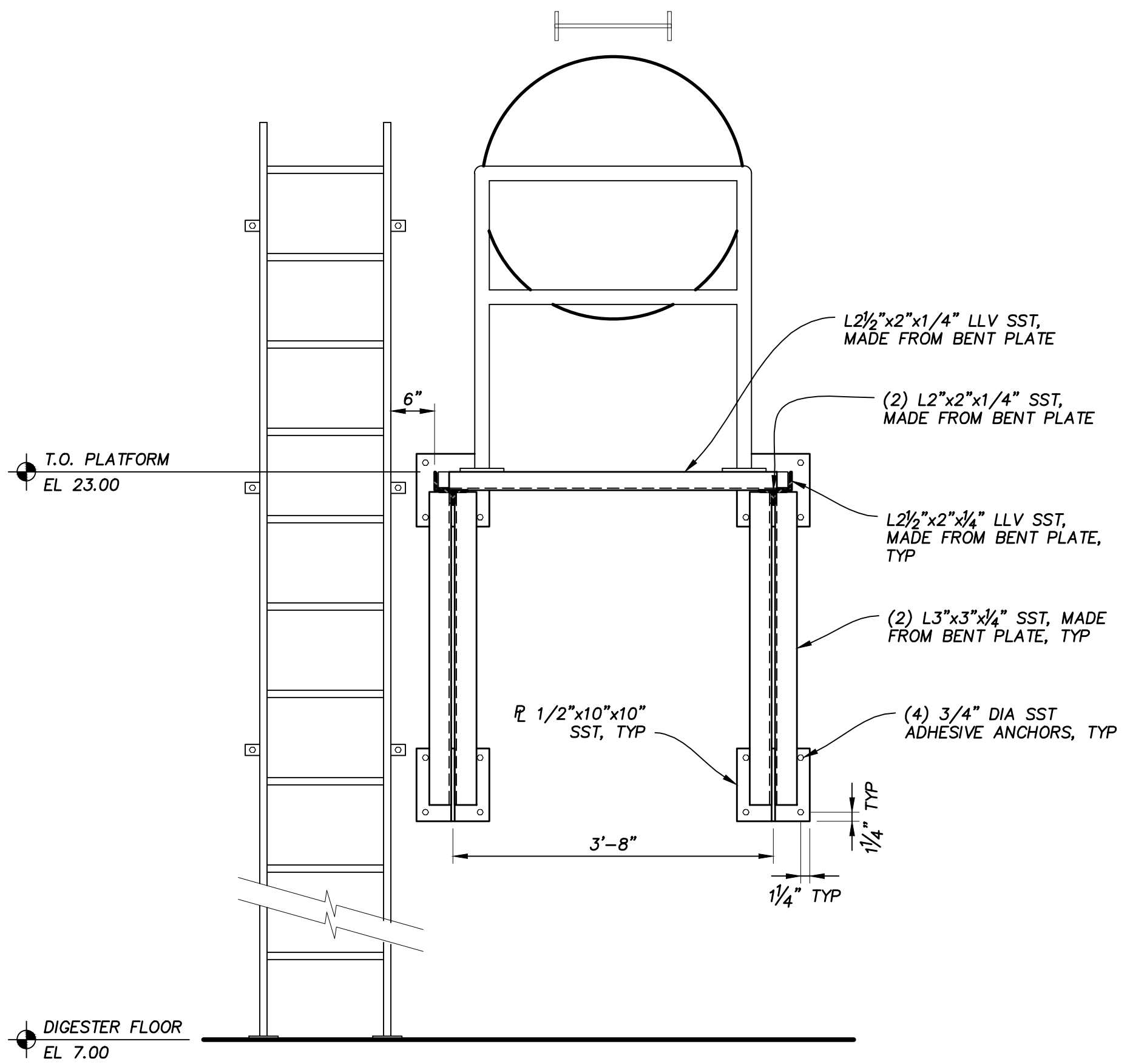
DIGESTER MANHOLE
DETAIL 2
3/4" = 1'-0" 30-SM-1



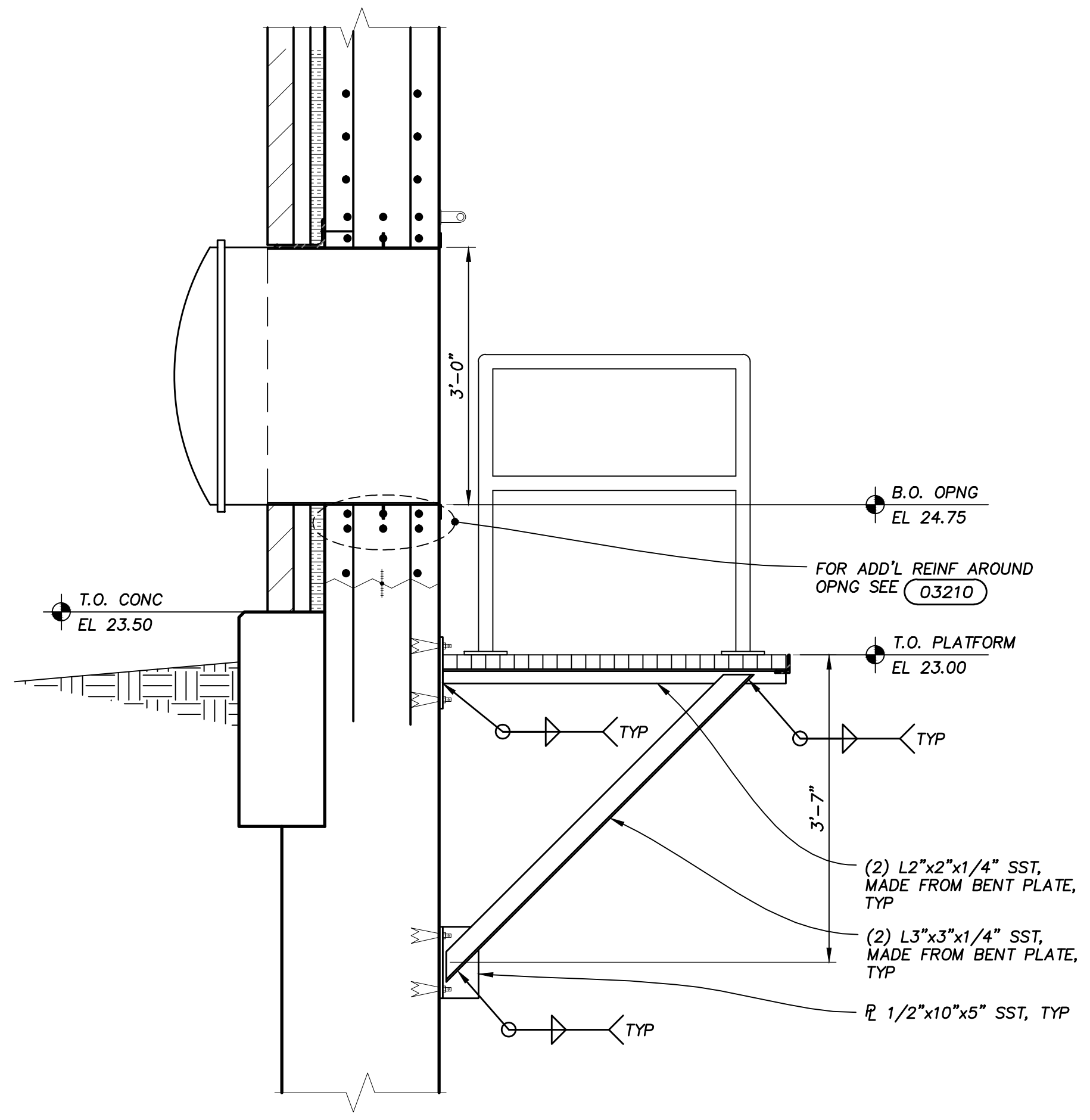
STACKED PIPE SUPPORT
DETAIL 3
N.T.S. 30-SM-1



EMERGENCY RELIEF ACCESS HATCH
DETAIL 4
N.T.S. 30-SM-2



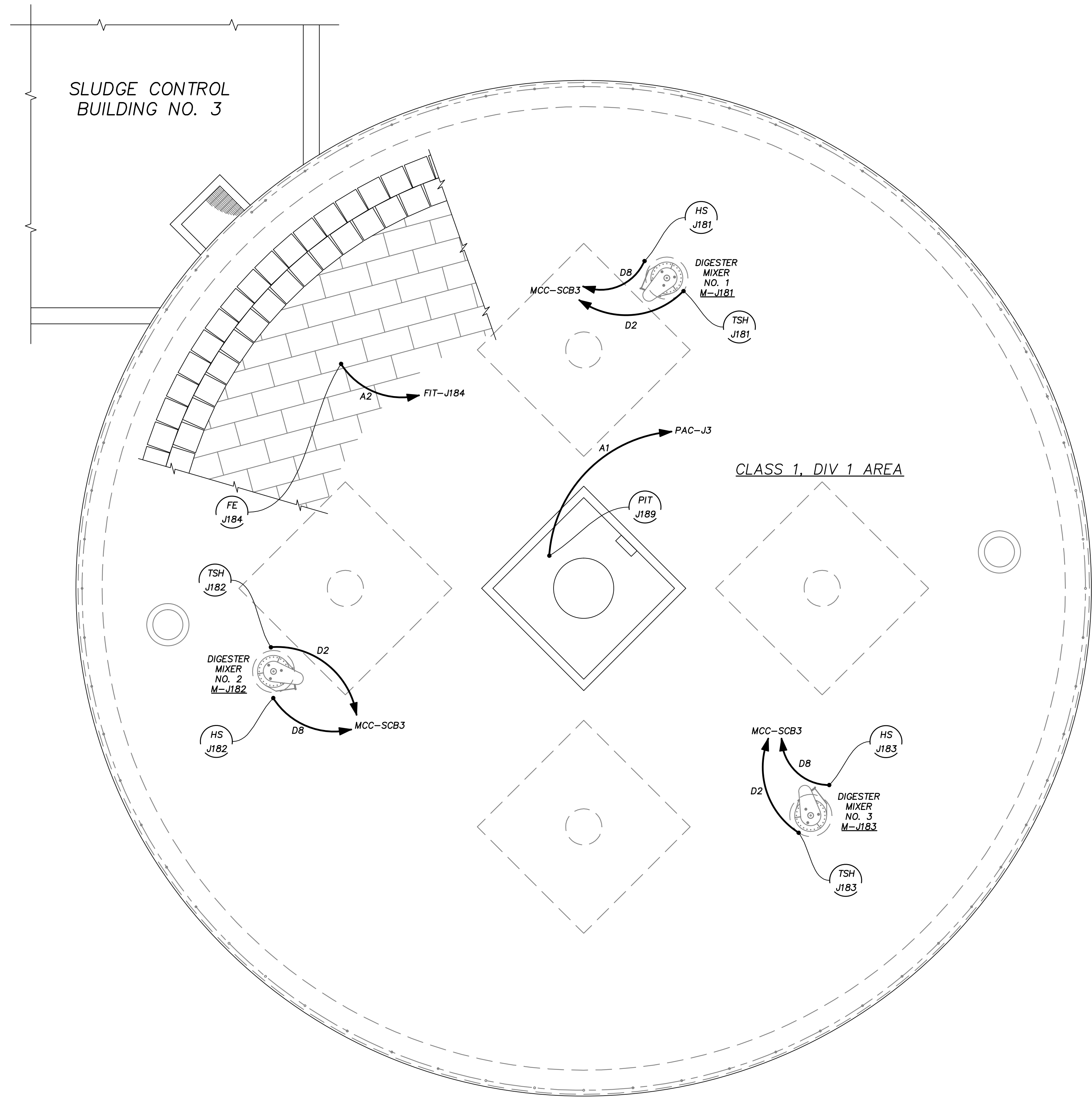
PLATFORM ELEVATION
SECTION A
3/4" = 1'-0" 30-SM-5



PLATFORM SECTION
SECTION B
3/4" = 1'-0" 30-SM-5

PLOTSCALE: 1:1
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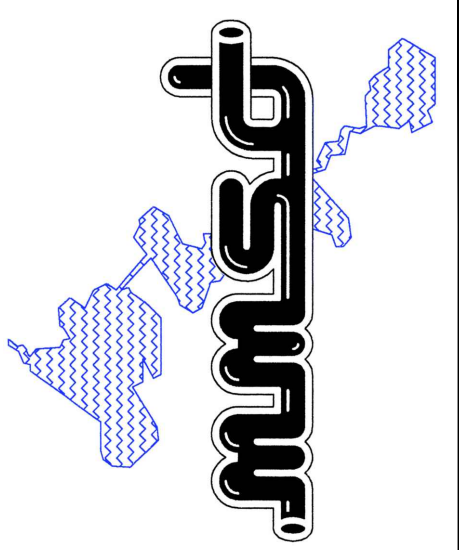
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ELECTRICAL NOTES:

1. REFER TO 35-E-4 FOR REQUIRED MIXER MOTOR WIRING.
2. STRUCTURE REQUIRES A LIGHTING PROTECTION SYSTEM PER SPECIFICATION 16670. (COMPONENTS NOT SHOWN).

POWER & SYSTEMS – ROOF PLAN
 3/16" = 1'-0"



Applied Technologies Engineers - Architects		BY	APVD
		D.L.D.	W.A.E.
NO.	REVISIONS AND RECORD OF ISSUE	RECORD DRAWINGS THESE DRAWINGS HAVE BEEN PREPARED FROM BID DRAWINGS AND CONSTRUCTION FIELD NOTES. WHILE REASONABLE CARE HAS BEEN EXERCISED IN THE PREPARATION OF THESE DRAWINGS, THE CONTRACTOR'S RESPONSIBILITY IS TO VERIFY ALL DIMENSIONS, CONDITIONS, AND REFER TO APPROVED SHOP DRAWINGS AND OPERATIONS AND MAINTENANCE MANUALS.	
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MADISON METROPOLITAN SEWERAGE DISTRICT
 ELEVENTH ADDITION TO THE NINE SPRINGS WWTP
 MADISON, WISCONSIN
**DIGESTER NO. 8
 ELECTRICAL
 PLAN**

VERIFY SCALES LENGTH OF BAR IS 1" ON ORIGINAL DRAWING	
1:1 PLOT SCALE, ADJUST SCALE(S) ACCORDINGLY	
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