

REMINDER #1: Bidders are informed that each addendum must be acknowledged on the **outside** of the envelope containing your bid. If all addenda are not acknowledged on the outside of the envelope, your bid will not be opened.

REMINDER #2: To receive an award, a Contractor must be on the City of Joliet's List of Pre-qualified Contractors by submitting one's IDOT or CDB qualifications to the City Clerk's office or filling out City of Joliet forms, which are available at the City of Joliet website. **This documentation must be submitted prior to the bid opening date and time.**

**ADDENDUM NO. 1
TO THE
BIDDING DOCUMENTS
FOR
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
FOR THE
CITY OF JOLIET, ILLINOIS
CITY CONTRACT NO. 2351-0219
IEPA LOAN NO. L174760**

DATE: December 21, 2018

BID CLOSING DATE & TIME: 2:00 PM local time, January 24, 2019

TO ALL BIDDERS BIDDING ON THE ABOVE PROJECT:

All Bidders submitting a Bid on the above Contract shall carefully read this Addendum and give it consideration in the preparation of their Bid.

I. The following are revisions to the Specifications:

- A. Replace Section 00 41 33 in its entirety with attached 00 41 33.
- B. Replace Section 00 52 33 in its entirety with attached 00 52 33.
- C. Page 01 57 19-2 delete paragraph 3.06.A in its entirety and replace with the following:
 - A. Excess excavated material not required or suitable for backfill and other waste material shall be disposed of at Landfill Subtitle D and in accordance with federal, state, and local regulations.
- D. Replace Section 01 22 00 in its entirety with attached 01 22 00.
- E. Page 31 22 00-4 delete paragraph 3.09.A and C in their entirety and replace with the following:
 - A. Remove and dispose of all unsuitable excavated material at Landfill Subtitle D.
 - C. Remove excess material related to earthwork not required by Owner and material not suitable for backfilling or site grading from site. Excess excavated material removed from site must be sent to Landfill Subtitle D.
- F. Page 31 23 00-5 delete paragraph 3.09.B and C in their entirety and replace with the following:
 - B. Remove and dispose of all unsuitable excavated material at Landfill Subtitle D.
 - C. Remove excess material related to earthwork not required by Owner and material not suitable for backfilling or site grading from site. Excess excavated material removed from site must be sent to Landfill Subtitle D.

G. Page 08 71 00-4 add the following paragraph 2.01.Q:

Q. Push/Pull Units

1. Push Plates x US32D x ANSI 156.6
 - a. 1001-9 Trimco
2. Pull Plate x US32D x ANSI 156.6
 - b. 1014-2B Trimco

H. Page 08 71 00-5 add the following after paragraph 3.03.B:

(Omit door closer on Door 900-D08)

I. Page 08 71 00-5 delete paragraph 3.03.C in its entirety and replace with the following:

- C. Set No. 3
- 1-1/2 PR Butts
 - 1 Office Lockset
 - 2 Kickplates
 - 1 Wall Stop or Floor Stop

J. Page 08 71 00-5 add the following after paragraph 3.03.D:
(Omit door closer on Doors 900-D11, 900-D12 and 900-D16)

K. Page 08 71 00-5 delete paragraph 3.03.E in its entirety and replace with the following:

- E. Set No. 5
- 1-1/2 PR Butts
 - 1 Door Pull
 - 1 Push Plate
 - 1 Closer
 - 2 Kickplates
 - 1 Wall Stop or Floor Stop

L. Page 08 71 00-5 delete paragraph 3.03.G in its entirety and replace with the following:

- G. Set No. 7
- 1-1/2 PR Butts
 - 1 Privacy Set
 - 2 Kickplates
 - 1 Wall Stop or Floor Stop

M. Page 08 71 00-6 add the following after paragraph 3.03.H:

1 Wall Stop or Floor Stop (Doors 600-D03, 600-D05 and 600-D08)

N. Page 08 71 00-6 add the following after paragraph 3.03.J:

1 Wall Stop or Floor Stop

O. Page 08 71 00-7 add the following after paragraph 3.03.M:

1 Wall Stop or Floor Stop (Doors 900-D27, 900-D33 and 900-D35)

P. Page 08 71 00-7 add the following after paragraph 3.03.N:

1 Wall Stop or Floor Stop

Q. Page 10 28 13-5 add the following after paragraph 3.01.C.4:

Vertical Bar: 39 in. to 41 in. from back wall, 39 in. to 41 in. above floor.

R. Page 10 28 13-6 delete paragraph 3.02.A.5.c and 3.02.A.5.d. and replace with the following:

- c. 1 – 36 in. Grab Bar (GB-2).
- d. 1 – 42 in. Grab Bar (GB-1).

S. Page 10 28 13-6 delete paragraph 3.02.A.7.d and replace with the following:

- d. 1 – 42 in. Grab Bar (GB-1).

T. Page 10 28 13-6 add the following after paragraph 3.02.A.7:

- i. 1 – 36 in. Grab Bar (GB-2).

U. Page 10 28 13-7 add the following after paragraph 3.02.B.3:

- h. 1 – Waste Receptacle.

V. Page 10 28 13-7 add the following after paragraph 3.02.B.4:

- g. 1 – Waste Receptacle.

W. Page 22 23 36 – delete paragraph 2.07.D. and replace with the following:

D. A factory installed pressure switch (600-PSL-0221, 600-PSL-0222, 600-PSL-0231, 600-PSL-0232) shall be installed on the suction manifold for water shortage protection. All wetted parts shall be of stainless steel. The pump shut-down pressure shall be 0.5 psig with a reset pressure of 1 psig for W2 pumps. The pump shut-down pressure for W3 pumps shall be 3 psig with a reset pressure of 5 psig for W3 pumps. Pressure switches shall be adjustable.

X. Page 23 81 29-3, delete paragraph 2.01.G.2 and replace with the following:

2. The coil fins shall be coated a corrosion resistant Blygold or equal coating. The coating shall be a metallic impregnated polyurethane coating specifically designed for application to aluminum finned copper tube coils. Temperature rating of the coating shall be up to 194F. Acceptable pH exposure shall be between 3 and 12. Salt spray test ASTM B117 shall be greater than 3000 hours. Acid salt spray test ASTM G85 shall be greater than 3000 hrs. Coating manufacturer shall warranty the coating system for 3 years.

Y. Page 40 05 0-6, remove “195 – Effluent Pump Station” and replace with “195 – W3 Pump Station”.

Z. Page 40 05 0-7, add Structure 650 – Sludge Storage Pump Building and associates piping to Process Mechanical Piping Schedule as shown below:

Service	Size (in.)	Pipe Matl	Location	Min/Max Temp (°F)	Max Press (psig)	Color	Remarks
650 – SLUDGE STORAGE PUMP BUILDING							
DSD	8	CLDI	Inside Exposed, Embedded, Outside Exposed	-20/110	100-H	Light Brown	

AA. The following revisions shall be made to SECTION 40 72 00 – LEVEL MEASUREMENT:

1. Delete Paragraph 2.02. B. 10. in its entirety.

BB. Page 43 41 43-4, delete paragraph 2.01.B and replace with the following:

- B. Poly Processing

II. The following are revisions to the Drawings:

- A. Sheet 109 (Drawing 120-AS-6): Replace entire sheet with Sheet 109 attached to this Addendum.
- B. Sheet 129 (Drawing 125-M-2): Replace entire sheet with Sheet 129 attached to this Addendum.
- C. Sheet 146 (Drawing 150-R-2): Replace entire sheet with Sheet 146 attached to this Addendum.
- D. Sheet 168 (Drawing 150-M-3): Replace entire sheet with Sheet 168 attached to this Addendum.
- E. Sheet 169 (Drawing 150-M-4): Replace entire sheet with Sheet 169 attached to this Addendum.
- F. Sheet 170 (Drawing 150-M-5): Replace entire sheet with Sheet 170 attached to this Addendum.
- G. Sheet 171 (Drawing 150-M-6): Replace entire sheet with Sheet 171 attached to this Addendum.
- H. Sheet 172 (Drawing 150-M-7): Replace entire sheet with Sheet 172 attached to this Addendum.
- I. Sheet 173 (Drawing 150-M-8): Replace entire sheet with Sheet 173 attached to this Addendum.
- J. Sheet 180 (Drawing 150-M-15): Replace entire sheet with Sheet 180 attached to this Addendum.
- K. Sheet 182 (Drawing 150-M-17): Replace entire sheet with Sheet 182 attached to this Addendum.
- L. Sheet 189 (Drawing 160-R-2): Replace entire sheet with Sheet 189 attached to this Addendum.
- M. Sheet 208 (Drawing 160-M-3): Replace entire sheet with Sheet 208 attached to this Addendum.
- N. Sheet 260 (Drawing 700-RM-2): Replace entire sheet with Sheet 260 attached to this Addendum.
- O. Sheet 262 (Drawing 705-RM-1): Replace entire sheet with Sheet 262 attached to this Addendum.
- P. Sheet 268 (Drawing 900-AS-6): Replace entire sheet with Sheet 268 attached to this Addendum.
- Q. Sheet 269 (Drawing 900-AS-7): Replace entire sheet with Sheet 269 attached to this Addendum.
- R. Sheet 275 (Drawing 900-AS-13): Replace entire sheet with Sheet 275 attached to this Addendum.
- S. Sheet 277 (Drawing 900-AS-15): Replace entire sheet with Sheet 277 attached to this Addendum.
- T. Sheet 279 (Drawing 900-AS-17): Replace entire sheet with Sheet 279 attached to this Addendum.
- U. Sheet 336 (Drawing 999-A-3): Replace entire sheet with Sheet 336 attached to this Addendum.
- V. Sheet 338 (Drawing 999-A-5): Replace entire sheet with Sheet 338 attached to this Addendum.

- III. Any revisions to any of the Contract Documents made by this Addendum shall be considered as the same revision to any and all related areas of the Contract Documents not specifically called out in this Addendum.
- IV. The Bidder shall acknowledge receipt of this Addendum by inserting the date and number in the spaces provided in the BID FORM.

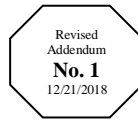
DONOHUE & ASSOCIATES, INC.



Eric P. Cockerill, P.E

END OF ADDENDUM #1

BID FORM



BID FORM

BIDDER _____

(name – typed or printed)

PROJECT IDENTIFICATION:

Eastside Wastewater Treatment Plant Phosphorus Removal Project

DONOHUE PROJECT NUMBER: 13320
CITY CONTRACT NUMBER: 2351-0219
IEPA LOAN NUMBER: L174760

ARTICLE 1 – BID RECIPIENT

Attn: City Clerk
City of Joliet
150 West Jefferson Street
Joliet, IL 60432

- 1.01 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

- 2.01 Bidder accepts all of the terms and conditions of the Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. Bidder has not added any conditions or qualifying statements to the Bid. The Bid will remain subject to acceptance for the bid withdrawal time stated in the Invitation to Bid or for such longer period of time that Bidder may agree to in writing upon request of Owner. Bidder will sign and deliver the required number of counterparts of the Agreement with the Bonds, evidence of insurance coverage, and other documents required by the Bidding Requirements within 15 days after the date of Owner's Notice of Award.

ARTICLE 3 – IEPA-MANDATED CERTIFICATIONS

- 3.01 **NON-COLLUSION CERTIFICATIONS:** By submission of this Bid, the undersigned certifies, and in the case of a joint bid, each party thereto certifies as to his own organization, that in connection with the proposal:
- a. The prices in the proposal have been arrived at independently, without consultation, communication, or agreement for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
 - b. Unless otherwise required by law, the prices which have been quoted in the Bid have not knowingly been disclosed by the Bidder prior to opening, directly or indirectly to any other Bidder or to any competitor; and,
 - c. No attempt has been made or will be made by the Bidder to induce any other person or firm to submit or not to submit a Bid for the purpose of restricting competition.

3.02 Each person signing the bid shall certify that:

- a. He or she is the person in the Bidder's organization responsible within that organization for the decision as to the prices being bid and shall also certify that he has not participated, and will not participate, in any action contrary to Paragraph a through c above; or
- b. He or she is not the person in the Bidder's organization responsible within that organization for the decision as to the prices being bid but that he has been authorized to act as agent for the persons responsible for such decision in certifying that such persons have not participated, and will not participate, in any action contrary to Paragraphs (a) through (c), above, and as their agent shall so certify; and shall also certify that he has not participated, and will not participate in action contrary to Paragraphs a through c above.

3.03 IEPA LOAN-RELATED CERTIFICATION: BIDDER certifies that all iron and steel products used in the Project for the construction, alteration, maintenance, or repair of a public water system are produced in the United States in compliance with Section 436. (a) – (f) of H. R. 3547, "The Consolidated Appropriation Act, 2014".

ARTICLE 4 – BIDDER'S REPRESENTATIONS

4.01 In submitting this Bid, Bidder represents, as set forth in the Agreement, that:

- A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged.

<u>Addendum No.</u>	<u>Addendum Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

- B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and test of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the site (except Underground Facilities), if any, that have been identified in Paragraph 5.03 of the Supplementary Conditions as containing reliable Technical Data, and (2) reports and drawings of Hazardous Environmental Conditions, if any, at the Site that have been identified in Paragraph 5.06 of the Supplementary Conditions as containing reliable Technical Data.
- E. Bidder has considered and correlated the information known to the Bidder; information commonly known to bidders doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and all additional or supplementary examinations, investigations, explorations, tests, studies, and data with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including any specific means,

methods, techniques, sequences, and procedures of construction expressly required by the Contract Documents; and (3) Bidder's safety precautions and programs.

- F. Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents

ARTICLE 5 – BIDDER'S CERTIFICATIONS

5.01 Bidder further represents that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 5.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, purposes of which is to establish bid prices at artificial, non-competitive levels; and
 - 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

5.02 Bidder is currently certified as a MBE or FBE under IEPA's DBE Program **Yes** ____ **No** _____

ARTICLE 6 – BASIS OF BID

6.01 Bidder will complete the **Base Bid Work** in accordance with the Contract Documents for the following price(s):

UNIT PRICE WORK						
No.	Section	Item	Qty	Unit	Unit Price	Extended Price
1	All Sections	All Work Except For Items No. 2 through No. 7	1	LS	\$_____ per LS	\$_____
2	01 22 00	Removal of Unsuitable Material	1,000	CY	\$_____ per CY	\$_____
3	01 22 00	Removal of Solids Waste	800	TON	\$_____ per CY	\$_____
4	01 22 00	Removal of Excess Material Related to Earthwork	2,500	CY	\$_____ per CY	\$_____
5	01 21 00	Face Brick	265	M	\$_____ 825 per M	\$_____ 218,625.00
6	01 21 00	Unforeseen Conditions Process Control Building	1	LS	\$ 50,000.00 per LS	\$ 50,000.00
7	01 21 00	Repairs or Modifications to Yard / Digester Piping	1	LS	\$ 50,000.00 per LS	\$ 50,000.00

Revised Addendum No. 1

Unit Prices have been computed in accordance with paragraph 13.03 of the General Conditions.

All specific allowances identified in Section 01 21 00 are included in the price set forth above and have been computed in accordance with Paragraph 13.02 of the General Conditions.

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

Base Bid Material and Equipment:

1. Bidder has included in the Bid price, the installed cost of material and equipment furnished by the circled Supplier as named in the Base Bid Material and Equipment Schedule, which is included at the end of this Bid Form.
2. The circled Supplier has been selected from Supplier A, B, or C as named in the Base Bid Material and Equipment Schedule in accordance with the Instructions to Bidders.
3. If a substitute is offered, Bidder has included the name of the Supplier and the amount to be deducted from the Bid price for the proposed substitute in the Base Bid Material and Equipment Schedule in accordance with the Instructions to Bidders. Bidder agrees that the procedures for submission and consideration by Engineer for

determining the acceptability of substitutes will be as set forth in the General Conditions and the Supplementary Conditions.

ARTICLE 7 – TIME OF COMPLETION

- 7.01 Bidder agrees that the Milestones are to be achieved and the Work will be substantially completed and completed and ready for final payment in accordance with paragraph 15.06.B of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 7.02 Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the times specified above, which shall be stated in the Agreement.

ARTICLE 8 – ATTACHMENTS TO THIS BID

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

- A. Required Bid security in the form of _____
(Certified Check or Bid Bond)
in the amount of _____
(Dollars or Percent of Bid Price)
- B. Affirmative Action for Equal Employment Opportunities (Executive Order 11246) as required in Section 00 30 10 in the Project Manual.
- C. Certification of Nonsegregated Facilities as required by Section 00 30 20 in the Project Manual.
- D. Notice to Labor Unions or Other Organizations of Workers Nondiscrimination in Employment as required by Section 00 30 30 in the Project Manual.
- E. Certification Regarding Debarment, Suspension and Other Responsibility Matters as required by Section 00 30 40 in the Project Manual.
- F. Prevailing Wage Requirements as required in Section 00 30 50 in the Project Manual.
- G. State of Illinois Loan General Conditions as required in Section 00 30 60 in the Project Manual.
- H. Bidder Certification In Compliance with Article 33E to the "Criminal Code of 1961" as required in Section 00 30 60 in the Project Manual.
- I. The IEPA-required DBE Participation documentation and certifications as required by Section 00 30 70 in the Project Manual.
- J. A fully completed and signed "Bidders Certification Regarding the Use of American Iron and Steel Products" form, as required by Section 00 30 80 of the Project Manual.
- K. The City of Joliet Affidavits provided in Section 00 30 90.

The terms used in this Bid with initial capital letters have the meanings indicated in the Instruction to Bidders, the General Conditions, and the Supplementary Conditions.

SUBMITTED ON _____, 20____.

State Contractor License No. _____ (If applicable)

If Bidder is:

An Individual

Name (typed or printed): _____

By: _____ (SEAL)
(Individual's signature)

Doing business as: _____

Business address: _____

Phone No.: _____ FAX No.: _____

A Partnership

Partnership Name: _____ (SEAL)

By: _____
(Signature of general partner – attach evidence of authority to sign)

Name (typed or printed): _____

Business address: _____

Phone No.: _____ FAX No.: _____

A Corporation

Corporation Name: _____ (SEAL)

State of Incorporation: _____

Type (General Business, Professional, Service, Limited Liability): _____

By: _____
(Signature – attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

(CORPORATE SEAL)

Attest: _____
(Signature of Corporate Secretary)

Business Address: _____

Phone No: _____ FAX No.: _____

Date of Qualification to do business is _____

A Joint Venture

Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of joint venture partner – attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business address: _____

Phone No.: _____ FAX No.: _____

Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of joint venture partner – attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business address: _____

Phone No.: _____ FAX No.: _____

Phone and FAX Number, and Address for receipt of official communications:

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

Sworn and subscribed to before me this

____ day of _____, 20____.

Notary or other officer authorized to administer oaths

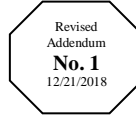
My commission expires: _____

BASE BID MATERIAL AND EQUIPMENT SCHEDULE				
Spec Section	Item	Supplier	Supplier's Price	Installed Cost
22 33 36	Booster Pump System	(A) Grundfos, Inc.	\$	\$
		SUBSTITUTE	\$	\$
11 52 00	Audio Visual System	(A) AVI Systems, Inc	\$	\$
		NO SUBSTITUTION		
28 15 00	Security Access Controls System	(A) Advent Systems, Inc	\$	\$
		NO SUBSTITUTION		
46 33 44	Peristaltic Chemical Feed Equipment	(A) Blue-White Industries	\$	\$
		NO SUBSTITUTION		
46 41 23	Submersible Mixing Equipment	(A) Flygt (a Xylem company)	\$	\$
		NO SUBSTITUTION		
46 76 21	Sludge Thickening Equipment	(A) Komline Sanderson	\$	\$
		NO SUBSTITUTION		
40 61 13	Process Control System	(A) Wunderlich-Malec.	\$	\$
		NO SUBSTITUTION		
40 05 53	Plug Valves	(A) Dezurik	\$	\$
		(B) Val-Matic	\$	\$
		NO SUBSTITUTION		
40 05 59.23	Stainless Steel Gates	(A) Fontaine Aquanox	\$	\$
		(B) Rodney Hunt	\$	\$
		(C) Whipps	\$	\$
		NO SUBSTITUTION		
43 23 57	Progressive Cavity Pumping Equipment	(A) Moyno Industrial Products	\$	\$
		(B) Netzsch	\$	\$
		(C) Seepex	\$	\$
		NO SUBSTITUTION		
43 25 13	Submersible Centrifugal Pumping Equipment	(A) Xylem-Flygt	\$	\$
		(B) Wilo	\$	\$
		NO SUBSTITUTION		
44 31 21	Odor Control Biofilters	(A) Biorem Technologies, Inc.	\$	\$
		SUBSTITUTE	\$	\$

BASE BID MATERIAL AND EQUIPMENT SCHEDULE				
Spec Section	Item	Supplier	Supplier's Price	Installed Cost
46 33 33	Polymer Prep, Age and Feed Equipment	(A) Fluid Dynamics	\$	\$
		(B) VeloDyne	\$	\$
		NO SUBSTITUTION		
46 51 33	Diffusers	(A) SSI	\$	\$
		(B) Aquarius	\$	\$
		(C) Sanitaire	\$	\$
		NO SUBSTITUTION		
46 76 33	Dewatering Centrifuge	(A) Centrisys Corporation	\$	\$
		(B) Andritz	\$	\$
		(C) Flottweg	\$	\$
		(D) Alfa Laval	\$	\$
		NO SUBSTITUTION		

END OF BID FORM

AGREEMENT



AGREEMENT

THIS AGREEMENT is by and between the City of Joliet, Illinois
_____(hereinafter called OWNER)
and _____
_____(hereinafter called CONTRACTOR).

OWNER and CONTRACTOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

ARTICLE 1 – WORK

- 1.01 CONTRACTOR shall complete all Work as specified or indicated in the Contract Documents.
- 1.02 The Work at the Eastside Wastewater Treatment Plant is generally described as follows:

Work of this Contract is generally described as general construction of wastewater treatment facility including aeration basin modifications for biological phosphorus removal and addition of slide gates and valve actuators for flow control, chemical removal facilities as backup, sludge thickening system, thickened sludge pumping, piping and valve replacement in thickening building, rehabilitation process drain pump station, polymer system, ortho phosphorus analyzer, odor control unit, and misc yard piping improvements. General construction of new administration building and renovation of existing administration building into process control building. The work includes sitework, yard piping, structural, architectural, process piping and equipment, plumbing, heating, ventilation, air conditioning, electrical, and instrumentation and control.

ARTICLE 2 – THE PROJECT

- 2.01 The Project for which the Work under the Contract Documents may be the whole or only a part is generally described as follows:

Eastside Wastewater Treatment Plant Phosphorus Removal Project

ARTICLE 3 – ENGINEER

- 3.01 The Project has been designed by Donohue & Associates, Inc., who is hereinafter called Engineer and who is to act as Owner's representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

ARTICLE 4 – CONTRACT TIMES

- 4.01 Time of Essence
 - A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.
- 4.02 Days to Achieve Substantial Completion and Final Payment

- A. The Work will be substantially completed within **660 days** after the date when the Contract Times commence to run as provided in paragraph 2.03 of the General Conditions, and completed and ready for final payment in accordance with paragraph 14.07 of the General Conditions within **720 days** after the date when the Contract Times commence to run.

4.03 Liquidated Damages

- A. CONTRACTOR and OWNER recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not completed and Milestones not achieved within the times specified in paragraph 4.02 above, plus any extensions thereof allowed in accordance with Article 12 of the General Conditions. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding that actual loss suffered by OWNER if the Work is not completed on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty), CONTRACTOR shall pay OWNER **\$1,500.00** for each day that expires after the time specified in paragraph 4.02 for Substantial Completion, plus additional engineering costs as set forth in paragraph SC-14.10 of the Supplementary Conditions, until the Work is substantially complete. After Substantial Completion, if CONTRACTOR shall neglect, refuse, or fail to complete the remaining Work within the Contract Time or any proper extension thereof granted by OWNER, CONTRACTOR shall pay OWNER **\$1,000.00** for each day that expires after the time specified in paragraph 4.02 for completion and readiness for final payment, plus additional engineering costs as set forth in paragraph SC-14.10 of the Supplementary Conditions, until the Work is completed and ready for final payment.
- B. Contractor and Owner also recognize that Owner will suffer financial loss if part of the Work is not completed within the Milestone times specified in Section 01 11 00, plus any extensions thereof allowed in accordance with Article 12 of the General Conditions. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by Owner if part of the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty), Contractor shall pay Owner the amount stated below for each day that expires after the time specified in Section 01 11 00 for Substantial Completion of each Milestone until the Work is substantially complete.
- a. Milestone No. 1: **\$1,500.00** for each day that expires after the time specified
 - b. Milestone No. 2: **\$1,500.00** for each day that expires after the time specified
- C. CONTRACTOR and OWNER recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not completed within the times specified in Section 01 11 00 for any operational shutdowns. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding that actual loss suffered by OWNER if the Work is not completed on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty), CONTRACTOR shall pay OWNER **\$100.00** for each hour that expires after the time specified in Part 1.03 and 1.04 of Section 01 11 00.

4.04 Penalties - None

ARTICLE 5 – CONTRACT PRICE

- 5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents an amount equal to the sum of the established unit price for each separately identified item of Unit Price Work times the estimated quantity of that item as indicated in the schedule for Unit Price Work as shown on the following page.

As provided in Paragraph 11.03 of the General Conditions, estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by Engineer as provided in Paragraph 9.07 of the General Conditions. Unit prices have been computed as provided in Paragraph 11.03 of the General Conditions.

UNIT PRICE WORK

No.	Section	Item	Qty	Unit	Unit Price	Estimated Price
1	All Sections	All Work Except For Items No. 2 through No. 7	1	LS	\$_____ per LS	\$_____
2	01 22 00	Removal of Unsuitable Material	1,000	CY	\$_____ per CY	\$_____
3	01 22 00	Removal of Solids Waste	800	TON	\$_____ per CY	\$_____
4	01 22 00	Removal of Excess Material Related to Earthwork	2,500	CY	\$_____ per CY	\$_____
5	01 21 00	Face Brick	265	M	\$_____ 825 per M	\$_____ 218,625.00
6	01 21 00	Unforeseen Conditions Process Control Building	1	LS	\$ 50,000.00 per LS	\$ 50,000.00
7	01 21 00	Repairs or Modifications to Yard / Digester Piping	1	LS	\$ 50,000.00 per LS	\$ 50,000.00

Revised Addendum No. 1

TOTAL OF ALL ESTIMATED PRICES (Sum of Estimated Price for Each Item) \$_____ (figures)

_____ Dollars
(words)

Qty = Estimated Quantity

Bid Price (for each Item) = Qty x Bid Unit Price (for each item)

LS = Lump Sum
CY = Cubic Yard
LF = Lineal Foot
EA = Each
M = 1,000 units
LB = Pound

ARTICLE 6 – PAYMENT PROCEDURES

6.01 Submittal and Processing of Payments

- A. CONTRACTOR shall submit Applications for Payment in accordance with Article 14 of the General Conditions. Applications for Payment will be processed by ENGINEER as provided in the General Conditions.

6.02 Progress Payments; Retainage

- A. OWNER shall make progress payments on account of the Contract Price on the basis of CONTRACTOR'S Applications for Payment as recommended by ENGINEER and upon approval of IEPA each month during performance of the Work as provided below. All such payments will be measured by the schedule of values established in paragraph 2.07.A of the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no schedule of values, as provided in the General Requirements.
- B. Progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as ENGINEER may determine or OWNER may withhold, in accordance with paragraph 14.02 of the General Conditions:
 - 1. 90% of Work completed (with the balance being retainage). If the Work has been 50% completed as determined by ENGINEER, and if the character and progress of the Work have been satisfactory to OWNER and ENGINEER, OWNER, on recommendation of ENGINEER, may determine that as long as the character and progress of the Work remain satisfactory to them, there will be no retainage on account of Work subsequently completed, in which case the remaining progress payments will be in an amount equal to 100% of the Work completed less the aggregate of previous retainage and payments previously made. At 50% completion, or any time thereafter, when the character and progress of the Work is not satisfactory, additional amounts may be retained, but in no event shall the total retainage be more than 10% of the value of the Work completed.
- C. Upon Substantial Completion, the amount of retainage may be reduced. Upon Substantial Completion, OWNER may make additional payments, retaining at all times an amount sufficient to cover the estimated cost of the work still to be completed or corrected.

6.03 Final Payment

- A. Upon final completion and acceptance of the Work in accordance with paragraph 14.07 of the General Conditions, OWNER shall pay the remainder of the Contract Price as recommended by ENGINEER and upon approval of IEPA as provided in said paragraph 14.07.

ARTICLE 7 – INTEREST

- 7.01 By City of Joliet policy, all moneys not paid when due as provided in Article 14 of the General Conditions shall bear zero percent (0%) interest.

ARTICLE 8 – CONTRACTOR'S REPRESENTATIONS

- 8.01 In order to induce OWNER to enter into this Agreement CONTRACTOR makes the following representations:
 - A. CONTRACTOR has examined and carefully studied the Contract Documents and the other related data identified in the Bidding Documents.

- B. CONTRACTOR has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. CONTRACTOR is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. CONTRACTOR has obtained and carefully studied (or assumes responsibility for having done so) all examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by CONTRACTOR, including applying the specific means, methods, techniques, sequences, and procedures of construction, if any, expressly required by the Contract Documents to be employed by CONTRACTOR, and safety precautions and programs incident thereto.
- E. CONTRACTOR does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract Documents.
- F. CONTRACTOR is aware of the general nature of work to be performed by OWNER and others at the Site that relates to the Work as indicated in the Contract Documents.
- G. CONTRACTOR has correlated the information known to CONTRACTOR, information and observations obtained from visits to the Site, reports and drawings identified in the Contract Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.
- H. CONTRACTOR has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that CONTRACTOR has discovered in the Contract Documents, and the written resolution thereof by ENGINEER is acceptable to CONTRACTOR.
- I. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

ARTICLE 9 – CONTRACT DOCUMENTS

9.01 Contents

- A. The Contract Documents consist of the following:
 - 1. This Agreement (pages 00 52 00-1 to 00 52 00-8, inclusive);
 - 2. Performance Bond (pages 00 61 00-1 to 00 61 00-3, inclusive);
 - 3. Payment Bond (pages 00 61 50-1 to 00 61 50-3, inclusive);
 - 4. General Conditions (pages 00 72 00-1 to 00 72 00-65, inclusive);
 - 5. Supplementary Conditions (pages 00 80 00-1 to 00 80 00-19, inclusive);
 - 6. Specifications as listed in the table of contents of the Project Manual which is provided in three volumes;
 - 7. Drawings, not attached hereto, as follows:

- a. Consist of a cover sheet and sheets numbered 1 through 371, inclusive, with each sheet bearing the following general title: **“Eastside Wastewater Treatment Plan Phosphorus Removal”**;
8. Addenda (numbers x to x, inclusive);
 9. Exhibits to this Agreement (enumerated as follows):
 - a. Contractor’s Bid (pages x to x, inclusive);
 10. Wage Rates;
 11. Federal, State, and Local Forms;
 12. Documents in the Appendix;
 13. The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:
 - a. Notice to Proceed;
 - b. Change Orders;
 - c. Work Change Directives;
 - d. Field Orders;
 - e. Engineer’s written interpretations and clarifications.
- B. The documents listed in Paragraph 9.01.A. are attached to this Agreement (except as expressly noted otherwise above).
 - C. There are no Contract Documents other than those listed above in this Article 9.
 - D. The Contract Documents may only be amended, modified, or supplemented as provided in paragraph 3.04 of the General Conditions.

ARTICLE 10 – MISCELLANEOUS

10.01 Terms

- A. Terms used in this Agreement will have the meanings indicated in the General Conditions.

10.02 Assignment of Contract

- A. No assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

10.03 Successors and Assigns

- A. OWNER and CONTRACTOR each binds itself, its partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

10.04 Severability

- A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon OWNER and CONTRACTOR, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

10.05 Other Provisions

- A. CONTRACTOR'S Estimated Payment Request Schedule for Outlay Management:

- 1. Within 30 days of issuance of the Notice to Proceed, CONTRACTOR shall furnish OWNER with a schedule of the estimated dollar value of work projected to be completed each month for the duration of the Contract. The schedule shall be updated monthly based on actual expenditures and shall be submitted along with CONTRACTOR'S monthly application for progress payment. The schedule shall be detailed to allow separation of eligible and ineligible cost items and Innovative/Alternative cost items.

IN WITNESS WHEREOF, OWNER and CONTRACTOR have signed this Agreement in triplicate. One counterpart each has been delivered to OWNER, CONTRACTOR, and ENGINEER. All portions of the Contract Documents have been signed or identified by OWNER and CONTRACTOR.

This Agreement will be effective on _____, _____(which is the Effective Date of the Agreement).

OWNER:

CONTRACTOR:

_____ City of Joliet, Illinois

By: _____
City Manager

By: _____
(signature)

_____ (typed name and title)

Attest _____
City Clerk

Attest _____
(signature)

Address for giving notices:

City of Joliet

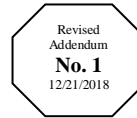
150 West Jefferson Street

Joliet, IL 60432

Address for giving notices:

License No. _____
(where applicable)

SECTION 01 22 00
UNIT PRICES

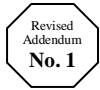


PART 1 – GENERAL

1.01 SUMMARY

- A. This Section identifies Unit Price Bid Items by number and lists applicable Specification Sections and method of measurement and payment.
- B. Provide labor, materials, equipment, supervision, and other services to complete Work for each Unit Price Bid Item as required by Contract Documents.

1.02 DESCRIPTION OF UNIT PRICE BID ITEMS



- A. Bid Item No. 1: All Work Except for Items No. 2 through 7 on the Bid Tabulation as lump sum.
- B. Bid Item No. 2: Removal of Unsuitable Materials

1. Definition of Unsuitable Material

- a. Existing material exposed during the excavation process which is classified as topsoil or peat, contains excessive organics (greater than 4%), slag, cinders, foundry sand, debris, rubble, or other similar materials which hinder compaction.

2. Work as described below.

- a. Section 31 22 00: Grading
- b. Section 31 23 00: Excavation and Fill
- c. Section 31 23 33: Trenching and Backfill

3. Include cost of, but not limited to:

- a. Excavation, hauling, and disposal of unsuitable material at Landfill Subtitle D.
- b. Structural fill and backfilling.
- c. Clean up.
- d. Other pertinent and incidental Work.

4. Do not include cost of:

- a. Work included in other Bid Items.
- b. Work required for Removal of Excess Material Related to Earthwork.

5. Measurement for Payment:

- a. Measure, in Cubic Yards, quantity of Unsuitable Materials will be measured in their original position and the volume occupied by the method of average end areas.
- b. Payment will be made at the contract unit price per cubic yard for Removal of Unsuitable Materials.

C. Bid Item No. 3: Removal of Solids Waste

1. Definition of Solids Waste



- a. Existing solids waste in the area enclosed by Edward Street, Adler Street, Lawton Avenue, and McKinley Street which are identified during site clearing, removals and excavation process including miscellaneous trash, abandoned utilities and debris from homes demolished by others prior to start of Work and demolished under this Contract as shown on drawings.

2. Work as described below.

- a. Section 01 35 16: Alteration Project Procedures
- b. Section 31 10 00: Site Clearing
- c. Section 31 22 00: Grading
- d. Section 31 23 00: Excavation and Fill
- e. Section 31 23 33: Trenching and Backfill

3. Include cost of, but not limited to:



- a. Hauling and disposal of Solids Waste at Landfill Subtitle D.
- b. Clean up.
- c. Other pertinent and incidental Work.

4. Do not include cost of:

- a. Work included in other Bid Items.
- b. Work required for Removal of Excess Material Related to Earthwork.
- c. Work required for Removal of Unsuitable Materials.

5. Measurement for Payment:

- a. Provide material ticket for disposal including measurement in Tons, quantity of Solids Waste.
- b. Payment will be made at the contract unit price per Ton for Removal of Solids Waste.

D. Bid Item No. 4: Removal of Excess Material Related to Earthwork



1. Definition of Excess Material Related to Earthwork

- a. The removal and any disposal costs of Excess Material Related to Earthwork, this is all excavated materials that are not classified as Unsuitable Material per Bid Item No. 2, shall be included in Bid Item No. 4. Excess excavated materials shall be disposed of at Landfill Subtitle D.

1. Work as described below.

- a. Section 31 22 00: Grading
- b. Section 31 23 00: Excavation and Fill
- c. Section 31 23 33: Trenching and Backfill

2. Include cost of, but not limited to:

- a. Hauling, and disposal of unsuitable excavated material at landfill Subtitle D
- b. Other pertinent and incidental Work.

3. Do not include cost of:

- a. Work included in other Bid Items.
- b. Work required for Removal and Disposal of Unsuitable Materials.

- c. Work required for Removal and Disposal of Solids Waste.
- 4. Measurement for Payment:
 - a. Measure, in Cubic Yards, quantity of Excess Excavated Materials will be measured in their original position and the volume occupied by the method of average end areas.
 - b. Payment will be made at the contract unit price per cubic yard for Removal of Excess Excavated Materials.

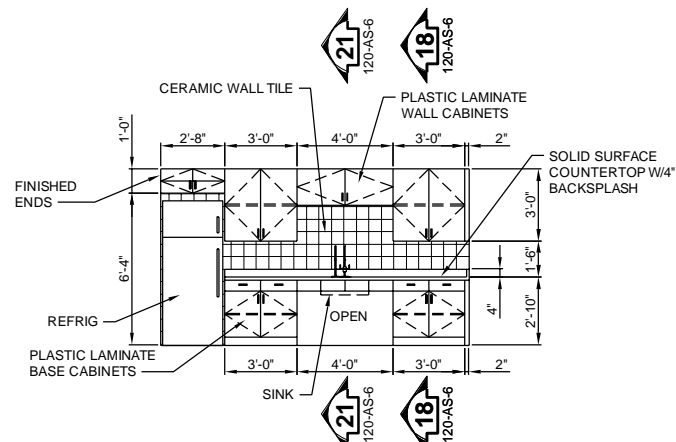
PART 2 – PRODUCTS

(Not Used)

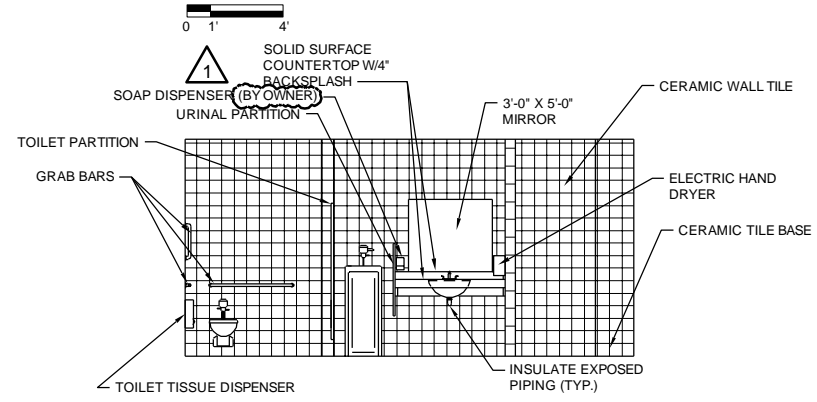
PART 3 – EXECUTION

(Not Used)

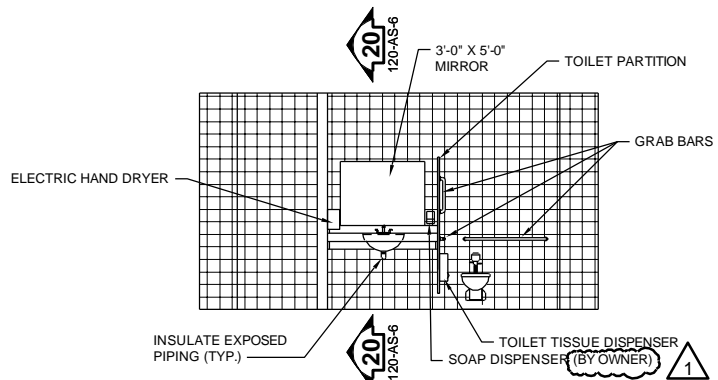
END OF SECTION



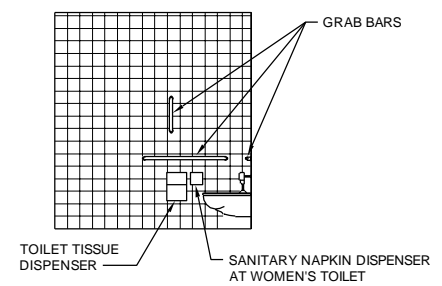
BREAK ROOM CABINET ELEVATION 12



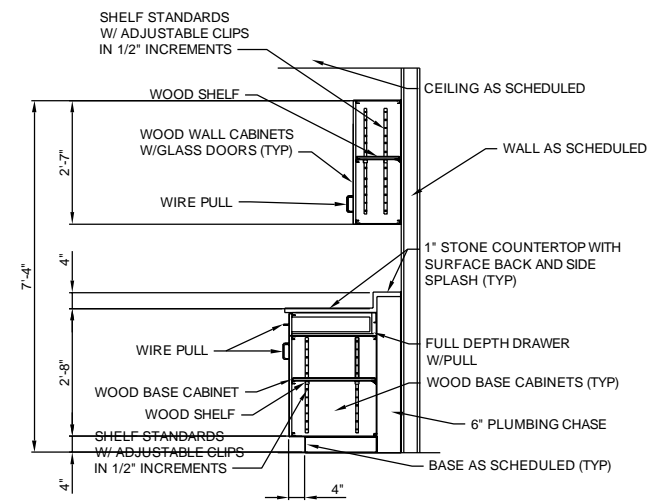
MEN'S TOILET ELEVATION 13



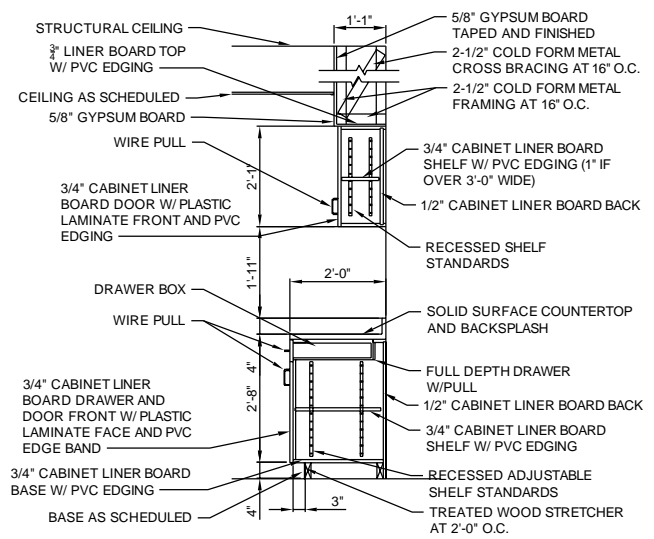
WOMEN'S TOILET ELEVATION 14



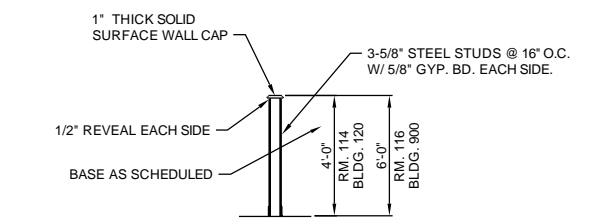
TOILET ELEVATION 15



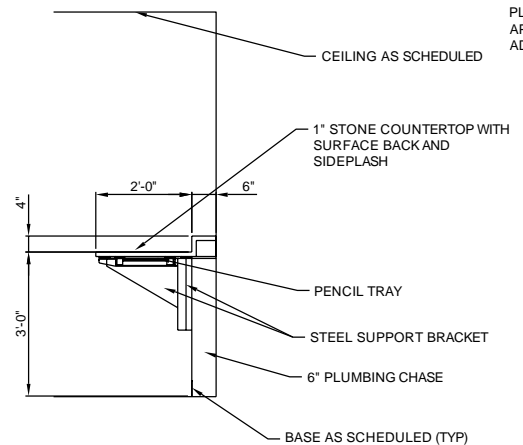
LABORATORY CABINET SECTION 16



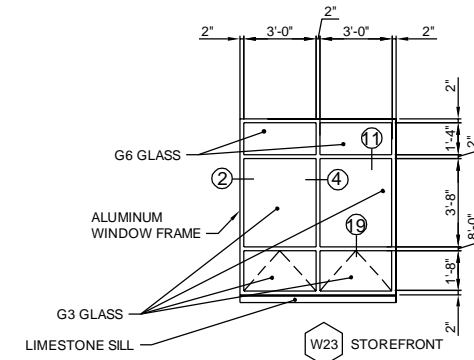
BREAK ROOM CABINET SECTION 18



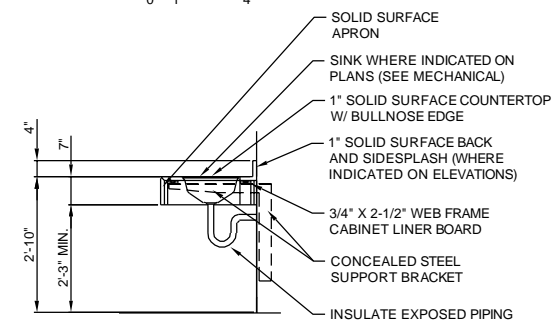
SECTION 17



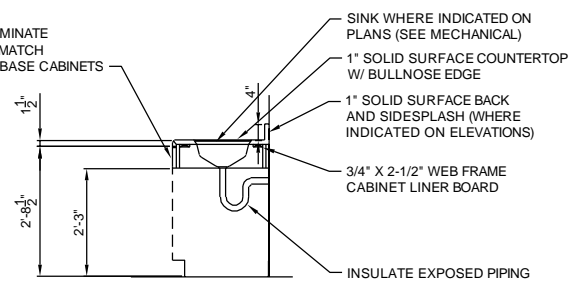
LABORATORY DESK SECTION 19



WINDOW ELEVATION 22



TOILET VANITY DETAIL 20



BREAK ROOM SINK DETAIL 21

GENERAL NOTES:

- REFER TO 001 SERIES OF DRAWINGS FOR THE SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE REGARDING ENVIRONMENTAL CONDITIONS ANTICIPATED WITHIN EACH SPACE AND ALLOWABLE MATERIALS OF CONSTRUCTION TO BE USED WITHIN EACH SPACE.
- HAZARDOUS RATINGS IDENTIFIED ON THIS DRAWING INDICATE SPACES IN WHICH A HAZARDOUS ENVIRONMENT MAY GENERALLY EXIST. CONTRACTOR SHALL REFER TO SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE IN 001 SERIES OF DRAWINGS FOR ADDITIONAL INFORMATION EXPLAINING THE EXTENT AND ENVELOPE ASSOCIATED WITH THESE HAZARDS.

NOTES:

- ALL GLAZING AT EXTERIOR LOCATIONS SHALL BE G3 TYPE GLASS UNO.
- ALL GLAZING AT INTERIOR LOCATIONS SHALL BE G2 TYPE GLASS UNO.
- SEE WINDOW DETAILS ON DRAWINGS NO. 999-A-11 AND 999-A-12

WINDOW TYPE = X

Date	12/21/2018
Checked By	TJB
Drawn By	SRW
Revision Description	
Revision Number	01
ADDENDUM NO. 1	
Designed By	SRW
Drawn By	SRW
Checked By	TJB
Approved By	SRW
Filename	120SP1.DWG
Project No.	13320
Project Date	DEC 2018

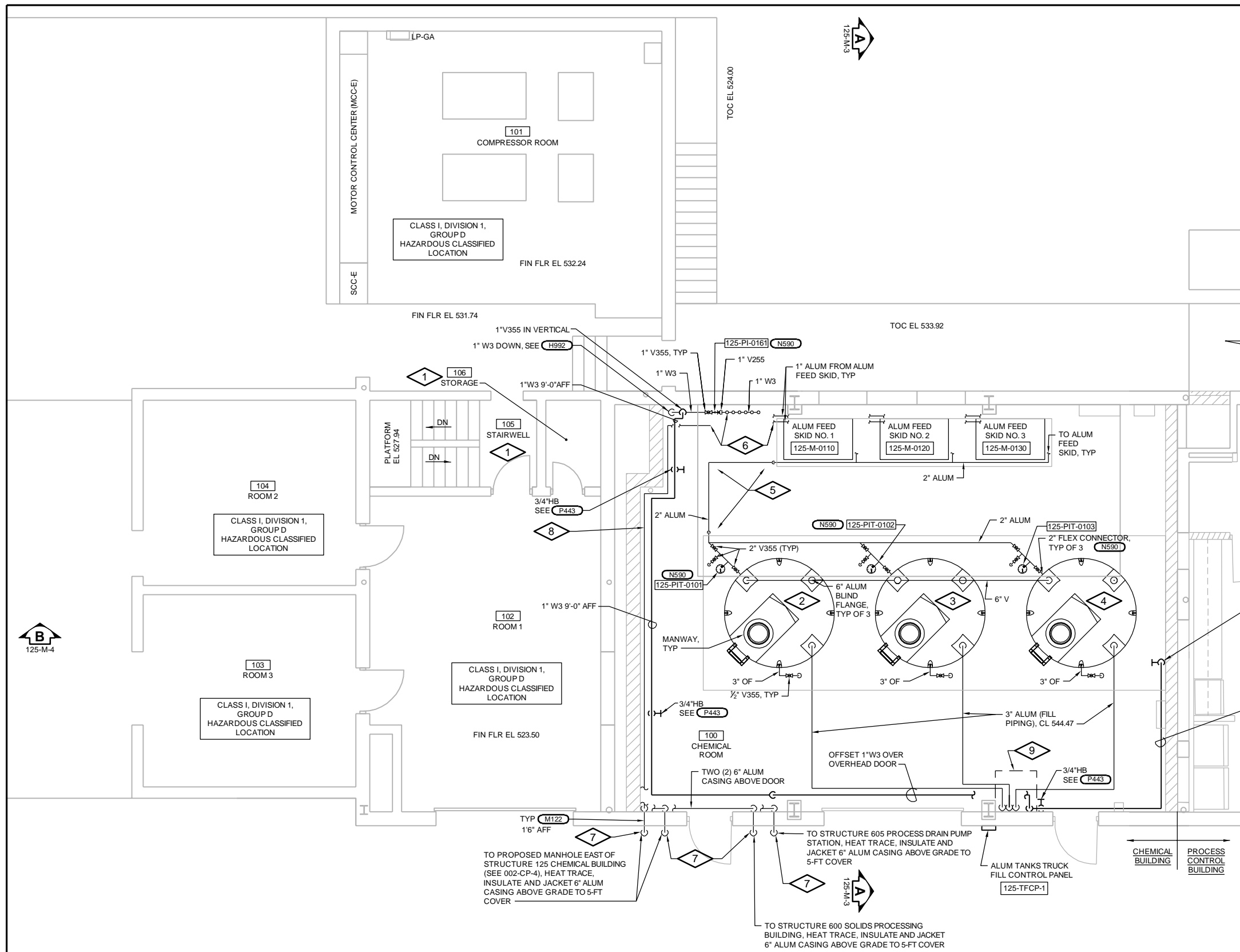
**CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS**

**PROCESS CONTROL BUILDING
INTERIOR ELEVATIONS & DETAILS**




Sheet No. 109
Drawing No.


120-AS-6



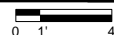
GENERAL NOTES:

1. REFER TO 001 SERIES OF DRAWINGS FOR THE SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE REGARDING ENVIRONMENTAL CONDITIONS ANTICIPATED WITHIN EACH SPACE AND ALLOWABLE MATERIALS OF CONSTRUCTION TO BE USED WITHIN EACH SPACE.
2. HAZARDOUS RATINGS IDENTIFIED ON THIS DRAWING INDICATE SPACES IN WHICH A HAZARDOUS ENVIRONMENT MAY GENERALLY EXIST. CONTRACTOR SHALL REFER TO SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE IN 001 SERIES OF DRAWINGS FOR ADDITIONAL INFORMATION EXPLAINING THE EXTENT AND ENVELOPE ASSOCIATED WITH THESE HAZARDS.
3. PROVIDE ALUM TUBE (+ 1 SPARE) TO EACH DOSING POINT AS SHOWN IN  125-M-5

PLAN NOTES:

1. CLASS 1, DIVISION 1 GROUP D HAZARDOUS CLASSIFIED LOCATION
2. ALUM TANK NO. 1 125-T-0101
3. ALUM TANK NO. 2 125-T-0102
4. ALUM TANK NO. 3 125-T-0103
5. PROVIDE SIGNAGE - "ACCESS FOR MAINTENANCE & REPAIR BY MAINTENANCE PERSONNEL ONLY". PROVIDE NEOPRENE SAFETY RAMP OVER 2" ALUM PIPING ON FLOOR.
6. PROVIDE CONNECTIONS AND TRANSITIONS ALONG WEST WALL AS SHOWN IN  125-M-5 . PROVIDE TAG ON EACH ALUM TUBE (INCLUDING SPARES) INDICATING DOSING POINT (I.E. SOUTH AERATION BASIN EFFLUENT CHANNEL).
7. 6" ALUM CASING, PROVIDE (2) 45 DEG BENDS AT CORNERS. 90 DEG BENDS ARE NOT PERMITTED.
8. FOUR (4) 6" ALUM CASING STACKED IN VERTICAL AND SPACED EVENLY ABOVE 1" W3. PROVIDE (2) 45 DEG BENDS AT CORNERS. 90 DEG BENDS FITTINGS ARE NOT PERMITTED. TERMINATE 6" ALUM CASINGS WITHIN 2-FT HORIZONTAL OF ALUM CONNECTION TO 1/2" W3.
9. CONTAINMENT DECK FOR ALUM FILL STATION PIG POLY IBC SPILL CONTAINMENT PALLET, ITEM PAK735 OR EQUIVALENT

GRADE PLAN

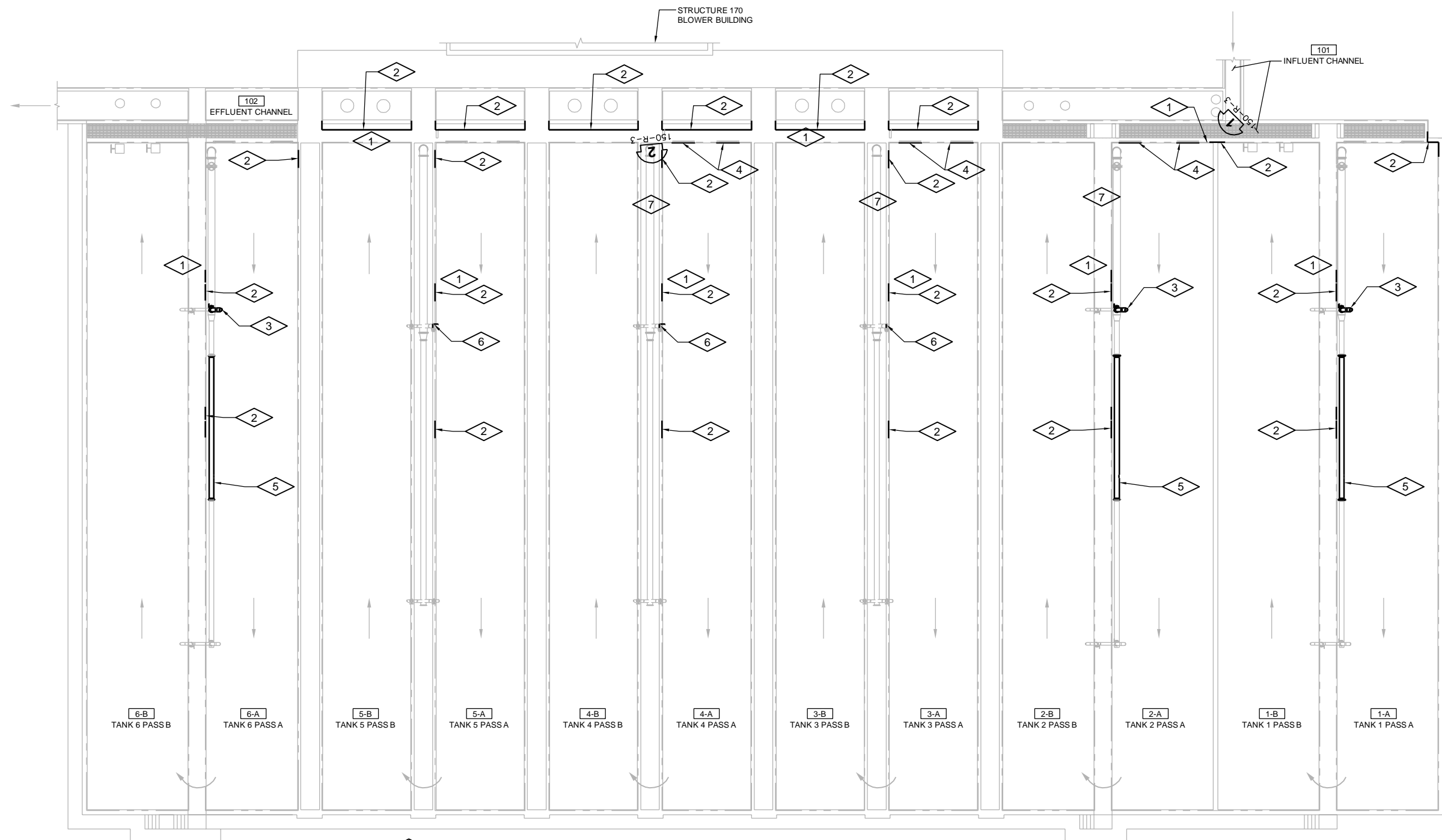


Date	12/21/2018
Checked By	EPC
Drawn By	MTR
Revision Description	
Revision Number	01
ADDENDUM NO. 1	
Designed By	NMC
Drawn By	NMC
Checked By	NWC
Approved By	EPC
Filename	125MP1.DWG
Project No.	13320
Project Date	DEC 2018
CITY OF JOLIET EASTSIDE WASTEWATER TREATMENT PLANT PHOSPHORUS REMOVAL PROJECT JOLIET, ILLINOIS CHEMICAL BUILDING PLAN	



Sheet No. **129**
Drawing No.

125-M-2



PLAN NOTES:

1. CONTRACTOR SHALL REMOVE CONDUIT AND CONDUCTORS FOR DO PROBE AND TRANSMITTERS BACK TO SOURCE; CONTRACTOR MAY RE-USE CONDUIT AS NEEDED FOR NEW 120V LOADS.
2. REMOVE RAILING. SEE S SHEETS FOR LIMITS OF PROPOSED RAILING.
3. REMOVE 12" ALP (STAINLESS STEEL DROP PIPE) FROM BUTTERFLY VALVE DOWN TO DIFFUSER SYSTEM. REMOVE 12" BUTTERFLY VALVE AND INSTALL STAINLESS STEEL BLIND FLANGE. SEE PHOTO 1 DRAWING 150-R-3.
4. REMOVE WEIR PLATE.
5. REMOVE 16" ALP (STAINLESS STEEL) FLANGE TO FLANGE. CONTRACTOR MAY REUSE 16" ALP AND SHOP FABRICATE PROPOSED 6" ALP DROP PIPE CONNECTION.
6. REMOVE 12" ALP (STAINLESS STEEL DROP PIPE) FROM BUTTERFLY VALVE DOWN TO DIFFUSER SYSTEM. 12" BUTTERFLY VALVE TO REMAIN FOR CONNECTION TO PROPOSED 6" ALP. SEE PHOTO 2 DRAWING 150-R-3.
7. REMOVE DAMAGE, HEAVING OR SETTLING CONCRETE WALKWAY PANELS. FILL VOIDS WITH STRUCTURAL FILL.

UPPER PLAN



GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO CONSTRUCTION AND/OR FABRICATION.
2. FULL TONE COMPONENTS TO BE REMOVED.
3. SAWCUT AND REMOVE CONCRETE TO THE LIMITS NOTED. IN EXPOSED AREAS NOT COVERED BY NEW CONSTRUCTION, REMOVE REINFORCEMENT AND EMBEDMENTS 1" BEYOND FINISHED SURFACE AND PATCH SURFACE WITH PATCHING MORTAR TO MATCH ADJACENT FINISHED SURFACE.
4. REMOVE CONCRETE ANCHORS, ANCHOR BOLTS, AND OTHER EMBEDMENTS FOR MATERIALS AND EQUIPMENT BEING REMOVED. IN EXPOSED AREAS NOT COVERED BY NEW CONSTRUCTION, REMOVE CONCRETE ANCHORS, ANCHOR BOLTS, AND OTHER EMBEDMENTS 1" BEYOND FINISHED SURFACE AND PATCH SURFACE TO MATCH ADJACENT FINISHED SURFACE.
5. WHERE EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED POWER AND CONTROL WIRING AND CONDUIT BACK TO SOURCE. REMOVE JUNCTION BOXES AND PULL BOXES ASSOCIATED WITH THE REMOVE CONDUITS. WHERE CONDUIT SYSTEM CONTAINS CIRCUITS TO OTHER EQUIPMENT THAT REMAINS, RETAIN THESE CIRCUITS AND RELOCATE EXISTING CONDUIT AND EXTEND EXISTING CIRCUITS AS REQUIRED FOR THE INSTALLATION OF NEW EQUIPMENT.
6. REMOVE ALL SUPPORTS ASSOCIATED WITH REMOVED PIPING, DUCTWORK, CONDUIT, AND EQUIPMENT. REMOVE RODS AND FASTENERS FROM CEILINGS, FLOORS, AND WALLS WITH CARE. WHERE SURFACE HAS BEEN MARRED, CHIPPED, SPAWLED, ETC. AS A RESULT OF REMOVAL, PATCH AND PAINT TO MATCH ADJACENT FINISHED SURFACE.
7. REMOVE EXISTING CONCRETE PADS OF ANY EQUIPMENT BEING REMOVED. REMOVE CONCRETE REINFORCEMENT A MINIMUM OF 1" BEYOND FINISHED SURFACE AT ANY LOCATION WHERE NEW CONCRETE PAD WILL NOT COVER ROUGH SURFACE OF REMOVED PAD. PATCH BACK TO FINISHED SURFACE WITH PATCHING MORTAR.
8. WHERE OPENINGS ARE LEFT IN WALLS, SLABS, OR CEILINGS DUE TO REMOVED PIPING, DUCTWORK, EQUIPMENT, OR OTHER WORK, PATCH OPENING TO MATCH ADJACENT SURFACES UNLESS NOTED OTHERWISE. THE PERIMETER OF OPENINGS IN CONCRETE WALLS AND SLABS EXPOSED TO EARTH, WEATHER, OR WATER SHALL BE LINED WITH A GASKET TYPE WATERSTOP PRIOR TO PATCHING OF THE WALL. OPENINGS IN PRECAST CONCRETE ROOF MEMBERS ARE TO BE PATCHED WITH CONCRETE AND DOWELED TO THE EXISTING ROOF MEMBERS UNLESS NOTED OTHERWISE. ROOFING SYSTEM SHALL BE PATCHED TO PREVENT ANY LEAKING AT THE OPENING.

Date	12/21/2018
Checked By	EPC
Drawn By	MTR
Revision Number	01
Revision Description	ADDENDUM NO. 1
Designed By	MTR
Drawn By	MTR
Checked By	NWC
Approved By	EPC
Filename	150RP1.DWG
Project No.	13320
Project Date	DEC 2018

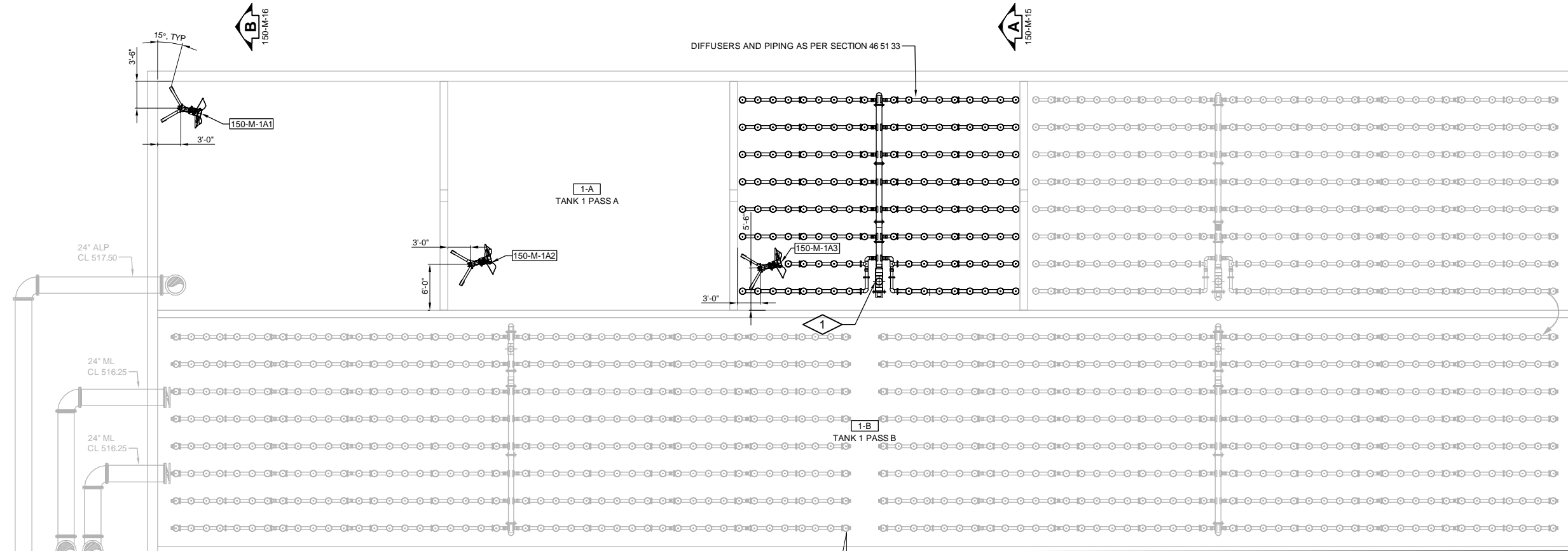
**CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS**

**SOUTH AERATION BASIN
REMOVAL UPPER PLAN**



Sheet No. **146**
Drawing No.

150-R-2



PARTIAL LOWER PLAN TANK 1



PLAN NOTES:

1. 6" ALP DROP LEG FROM 16" STAINLESS STEEL ALP AT CL 526.40±. PROVIDE STAINLESS STEEL TO PVC TRANSITION FOR CONNECTION TO DIFFUSER SYSTEM.

GENERAL NOTES:

- REFER TO 001 SERIES OF DRAWINGS FOR THE SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE REGARDING ENVIRONMENTAL CONDITIONS ANTICIPATED WITHIN EACH SPACE AND ALLOWABLE MATERIALS OF CONSTRUCTION TO BE USED WITHIN EACH SPACE.
- HAZARDOUS RATINGS IDENTIFIED ON THIS DRAWING INDICATE SPACES IN WHICH A HAZARDOUS ENVIRONMENT MAY GENERALLY EXIST. CONTRACTOR SHALL REFER TO SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE IN 001 SERIES OF DRAWINGS FOR ADDITIONAL INFORMATION EXPLAINING THE EXTENT AND ENVELOPE ASSOCIATED WITH THESE HAZARDS.

Revision Number	Revision Description	Drawn By	Checked By	Date
01	ADDENDUM NO. 1	MTR	EPC	12/21/2018

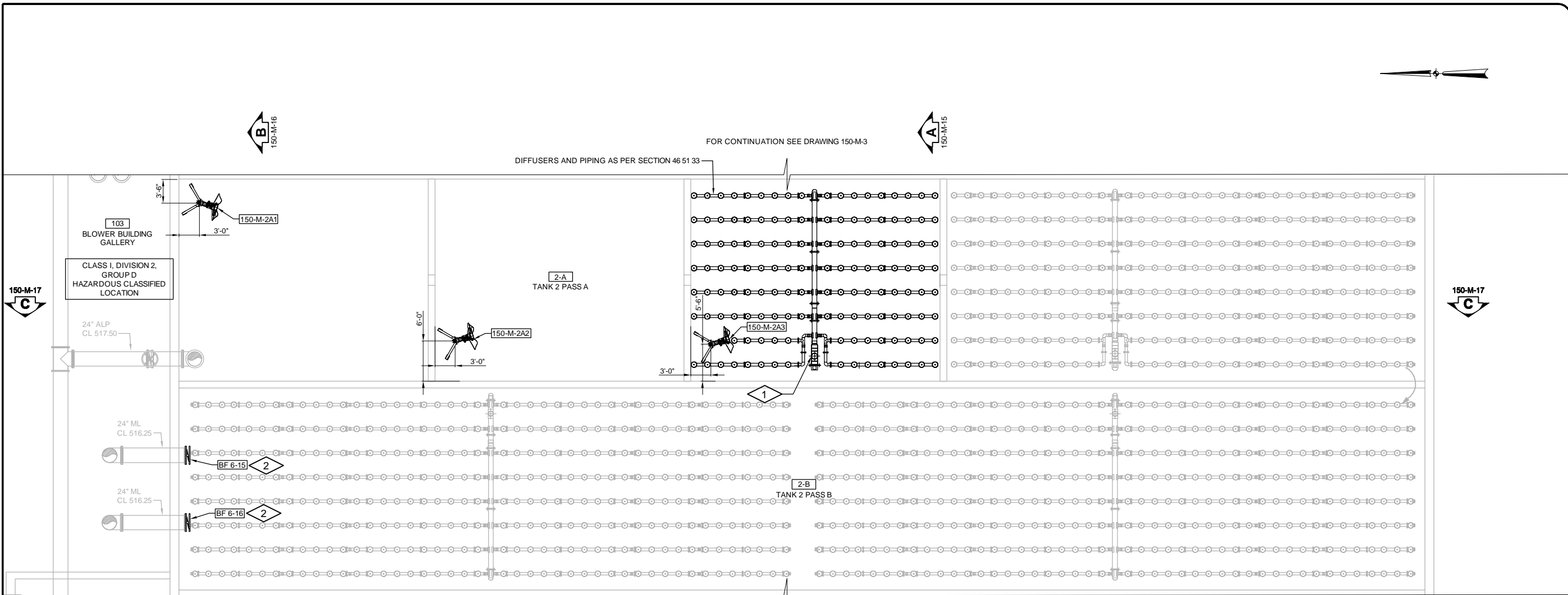
Designed By	NMC
Drawn By	MTR
Checked By	NWC
Approved By	EPC
Filename	150MP1.DWG
Project No.	13320
Project Date	DEC 2018

CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS
 SOUTH AERATION BASIN
 PARTIAL LOWER PLAN TANK 1



Sheet No. **168**

Drawing No. **150-M-3**



PARTIAL LOWER PLAN TANK 2



PLAN NOTES:

- 6" ALP DROP LEG FROM 16" STAINLESS STEEL ALP AT CL 526.40±. PROVIDE STAINLESS STEEL TO PVC TRANSITION FOR CONNECTION TO DIFFUSER SYSTEM.
- EXISTING 24" BUTTERFLY VALVE TO REMAIN. REPLACE ACTUATOR WITH MOTORIZED ACTUATOR IN ACCORDANCE WITH SECTION 40 05 53.

GENERAL NOTES:

- REFER TO 001 SERIES OF DRAWINGS FOR THE SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE REGARDING ENVIRONMENTAL CONDITIONS ANTICIPATED WITHIN EACH SPACE AND ALLOWABLE MATERIALS OF CONSTRUCTION TO BE USED WITHIN EACH SPACE.
- HAZARDOUS RATINGS IDENTIFIED ON THIS DRAWING INDICATE SPACES IN WHICH A HAZARDOUS ENVIRONMENT MAY GENERALLY EXIST. CONTRACTOR SHALL REFER TO SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE IN 001 SERIES OF DRAWINGS FOR ADDITIONAL INFORMATION EXPLAINING THE EXTENT AND ENVELOPE ASSOCIATED WITH THESE HAZARDS.

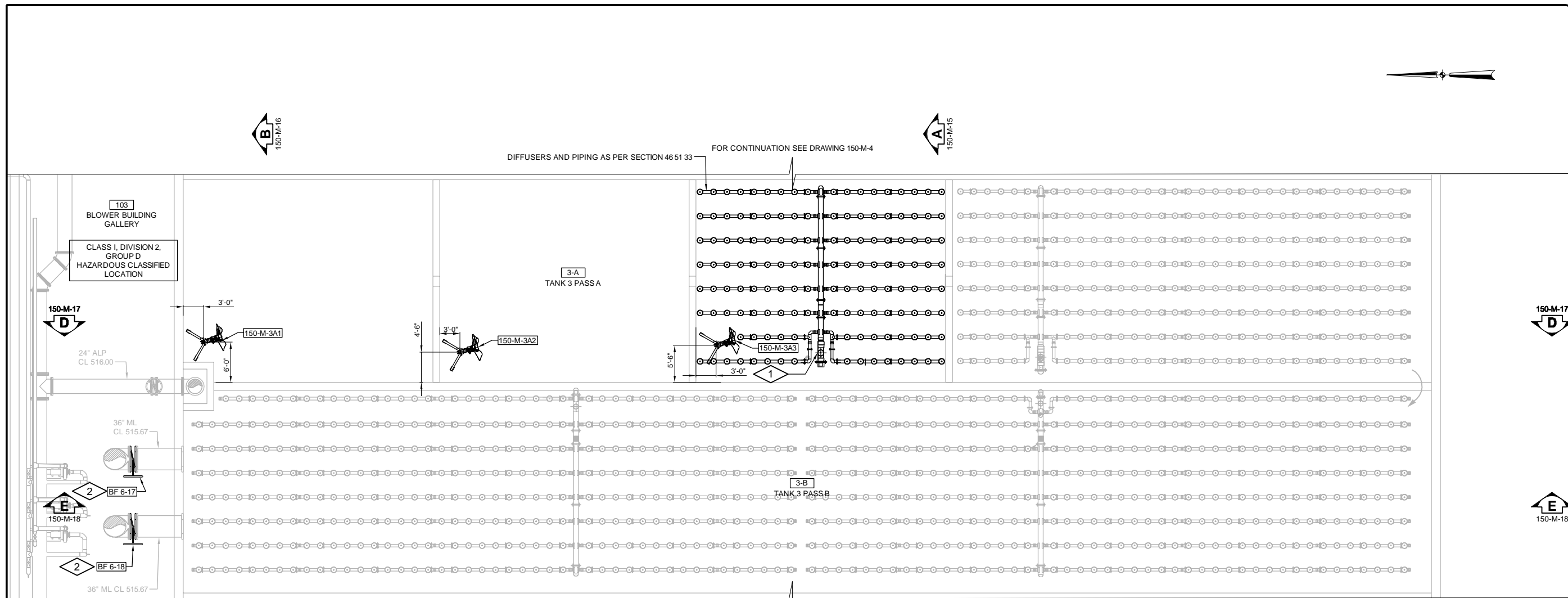
Revision Number	Revision Description	Drawn By	Checked By	Date
01	ADDENDUM NO. 1	MTR	EPC	12/21/2018

DESIGNED BY: NMC
 DRAWN BY: MTR
 CHECKED BY: NWC
 APPROVED BY: EPC
 FILENAME: 150MP1.DWG
 PROJECT NO.: 13320
 PROJECT DATE: DEC 2018



SHEET NO.: 169
 DRAWING NO.: 150-M-4

CITY OF JOLIET
 EASTSIDE WASTEWATER TREATMENT PLANT
 PHOSPHORUS REMOVAL PROJECT
 JOLIET, ILLINOIS
 SOUTH AERATION BASIN
 PARTIAL LOWER PLAN TANK 2



FOR CONTINUATION SEE DRAWING 150-M-4

PARTIAL LOWER PLAN TANK 3

0 1' 8'

PLAN NOTES:

- 6" ALP DROP LEG FROM PROPOSED 6" STAINLESS STEEL ALP. PROVIDE STAINLESS STEEL TO PVC TRANSITION FOR CONNECTION TO DIFFUSER SYSTEM.
- EXISTING 36" BUTTERFLY VALVE TO REMAIN. REPLACE ACTUATOR WITH MOTORIZED ACTUATOR IN ACCORDANCE WITH SECTION 40 05 53.

GENERAL NOTES:

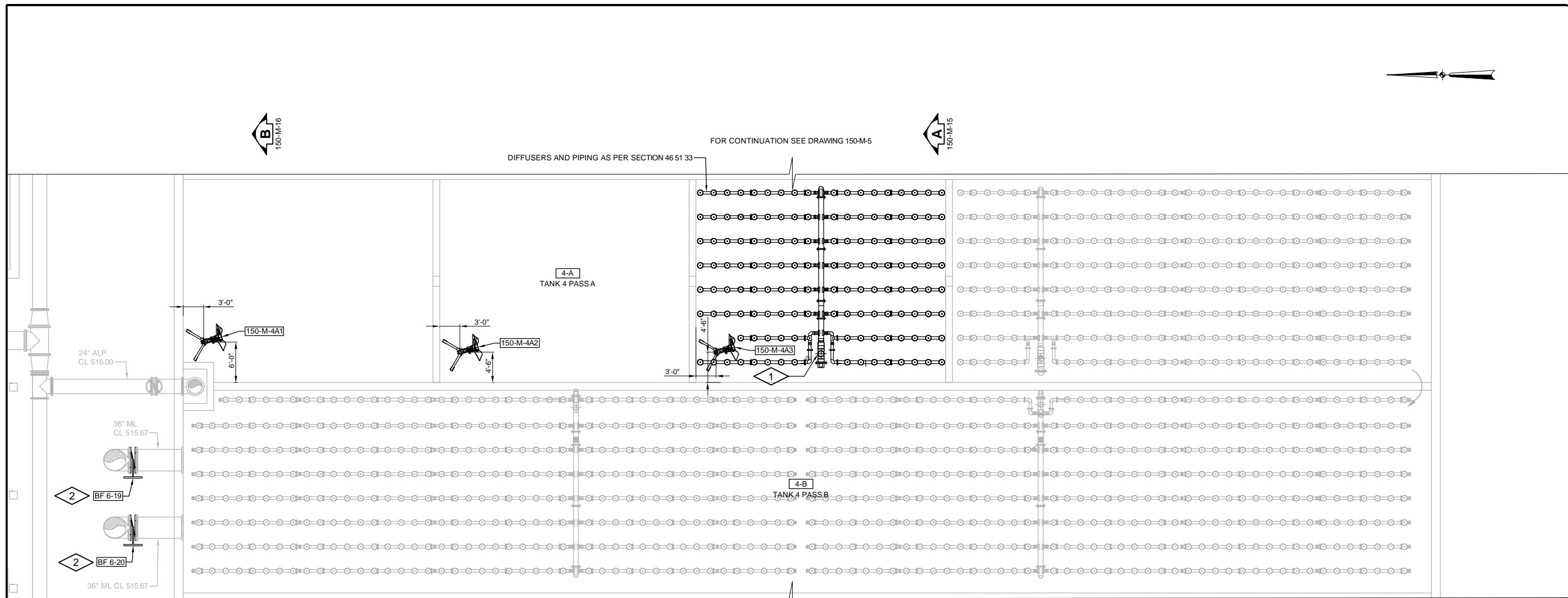
- REFER TO 001 SERIES OF DRAWINGS FOR THE SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE REGARDING ENVIRONMENTAL CONDITIONS ANTICIPATED WITHIN EACH SPACE AND ALLOWABLE MATERIALS OF CONSTRUCTION TO BE USED WITHIN EACH SPACE.
- HAZARDOUS RATINGS IDENTIFIED ON THIS DRAWING INDICATE SPACES IN WHICH A HAZARDOUS ENVIRONMENT MAY GENERALLY EXIST. CONTRACTOR SHALL REFER TO SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE IN 001 SERIES OF DRAWINGS FOR ADDITIONAL INFORMATION EXPLAINING THE EXTENT AND ENVELOPE ASSOCIATED WITH THESE HAZARDS.

Date	12/21/2018
Checked By	EPC
Drawn By	MTR
Revision Description	
Revision Number	01
ADDENDUM NO. 1	
Designed By	NMC
Drawn By	MTR
Checked By	NWC
Approved By	EPC
Filename	150MP1.DWG
Project No.	13320
Project Date	DEC 2018

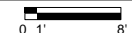
CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS

SOUTH AERATION BASIN
PARTIAL LOWER PLAN TANK 3





PARTIAL LOWER PLAN TANK 4



PLAN NOTES:

- 6" ALP DROP LEG FROM PROPOSED 6" STAINLESS STEEL ALP. PROVIDE STAINLESS STEEL TO PVC TRANSITION FOR CONNECTION TO DIFFUSER SYSTEM.
- EXISTING 36" BUTTERFLY VALVE TO REMAIN. REPLACE ACTUATOR WITH MOTORIZED ACTUATOR IN ACCORDANCE WITH SECTION 40 05 53.

GENERAL NOTES:

- REFER TO 001 SERIES OF DRAWINGS FOR THE SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE REGARDING ENVIRONMENTAL CONDITIONS ANTICIPATED WITHIN EACH SPACE AND ALLOWABLE MATERIALS OF CONSTRUCTION TO BE USED WITHIN EACH SPACE.
- HAZARDOUS RATINGS IDENTIFIED ON THIS DRAWING INDICATE SPACES IN WHICH A HAZARDOUS ENVIRONMENT MAY GENERALLY EXIST. CONTRACTOR SHALL REFER TO SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE IN 001 SERIES OF DRAWINGS FOR ADDITIONAL INFORMATION EXPLAINING THE EXTENT AND ENVELOPE ASSOCIATED WITH THESE HAZARDS.

Revision Number	Revision Description	Designed By	Drawn By	Checked By	Approved By	Filename	Project No.	Project Date
01	ADDENDUM NO. 1	NMC	MTR	EPC	EPC	150MP1.DWG	13320	DEC 2018

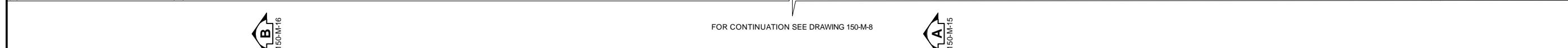
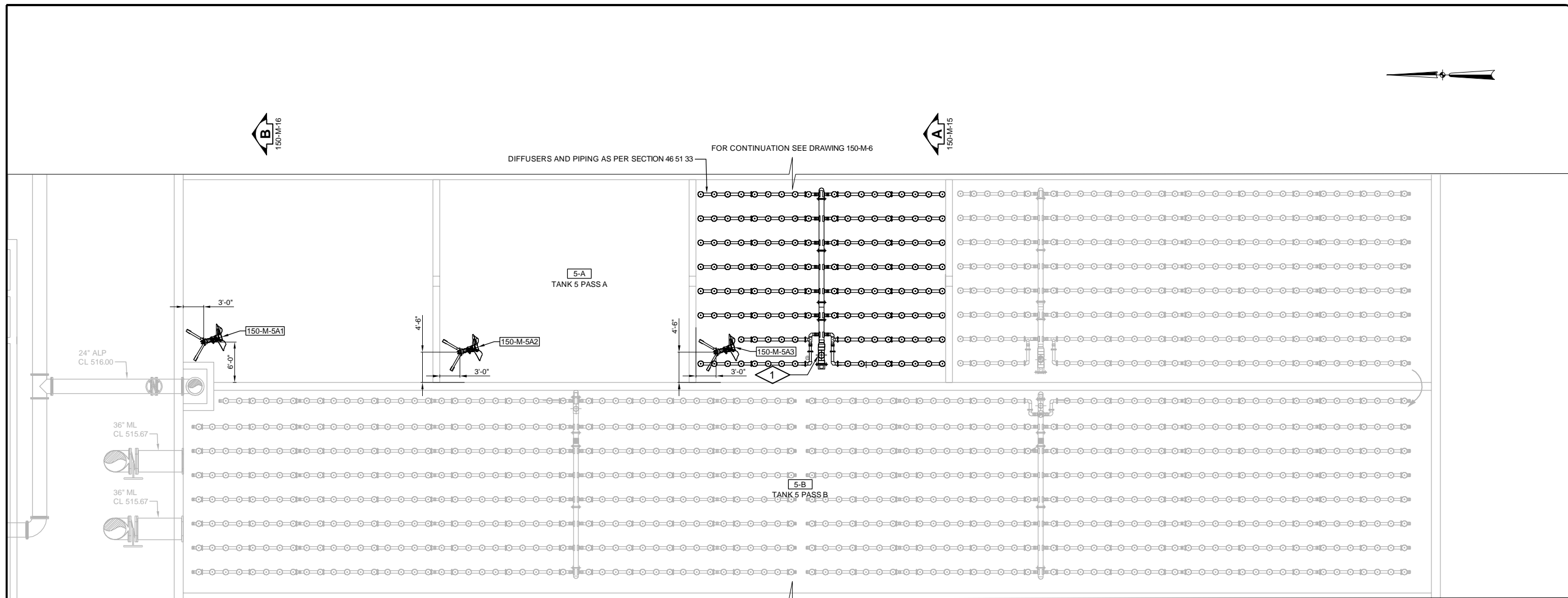
CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS
 SOUTH AERATION BASIN
 PARTIAL LOWER PLAN TANK 4



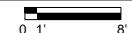
Sheet No. 171

Drawing No. 150-M-6

Date	Checked By	Drawn By
12/21/2018	EPC	MTR



PARTIAL LOWER PLAN TANK 5



PLAN NOTES:

1. 6" ALP DROP LEG FROM PROPOSED 6" STAINLESS STEEL ALP. PROVIDE STAINLESS STEEL TO PVC TRANSITION FOR CONNECTION TO DIFFUSER SYSTEM.

GENERAL NOTES:

- REFER TO 001 SERIES OF DRAWINGS FOR THE SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE REGARDING ENVIRONMENTAL CONDITIONS ANTICIPATED WITHIN EACH SPACE AND ALLOWABLE MATERIALS OF CONSTRUCTION TO BE USED WITHIN EACH SPACE.
- HAZARDOUS RATINGS IDENTIFIED ON THIS DRAWING INDICATE SPACES IN WHICH A HAZARDOUS ENVIRONMENT MAY GENERALLY EXIST. CONTRACTOR SHALL REFER TO SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE IN 001 SERIES OF DRAWINGS FOR ADDITIONAL INFORMATION EXPLAINING THE EXTENT AND ENVELOPE ASSOCIATED WITH THESE HAZARDS.

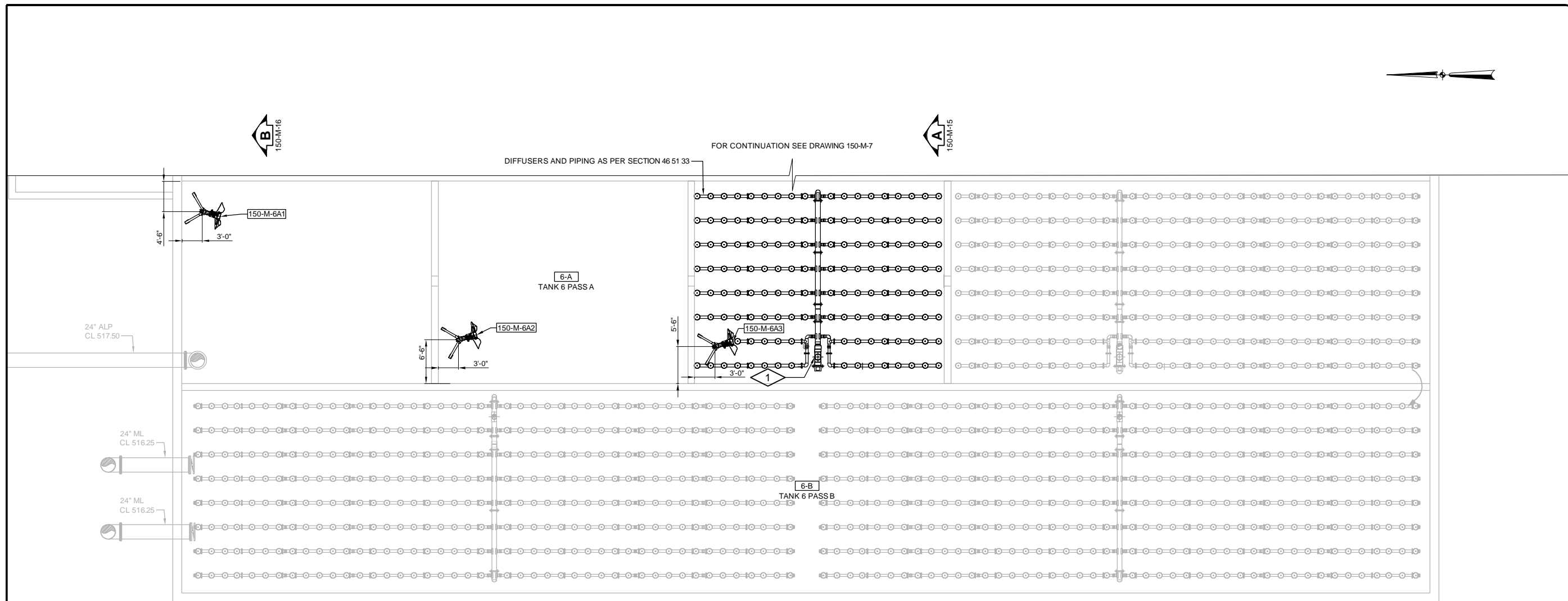
Date	12/21/2018
Checked By	EPC
Drawn By	MTR
Revision Description	ADDENDUM NO. 1
Revision Number	01
Designed By	NMC
Drawn By	MTR
Checked By	NWC
Approved By	EPC
Filename	150MP1.DWG
Project No.	13320
Project Date	DEC 2018

CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS
 SOUTH AERATION BASIN
 PARTIAL LOWER PLAN TANK 5



Sheet No. 172

Drawing No. 150-M-7



PARTIAL LOWER PLAN TANK 6



PLAN NOTES:

- 6" ALP DROP LEG FROM 16" STAINLESS STEEL ALP AT CL 526.40±. PROVIDE STAINLESS STEEL TO PVC TRANSITION FOR CONNECTION TO DIFFUSER SYSTEM.

GENERAL NOTES:

- REFER TO 001 SERIES OF DRAWINGS FOR THE SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE REGARDING ENVIRONMENTAL CONDITIONS ANTICIPATED WITHIN EACH SPACE AND ALLOWABLE MATERIALS OF CONSTRUCTION TO BE USED WITHIN EACH SPACE.
- HAZARDOUS RATINGS IDENTIFIED ON THIS DRAWING INDICATE SPACES IN WHICH A HAZARDOUS ENVIRONMENT MAY GENERALLY EXIST. CONTRACTOR SHALL REFER TO SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE IN 001 SERIES OF DRAWINGS FOR ADDITIONAL INFORMATION EXPLAINING THE EXTENT AND ENVELOPE ASSOCIATED WITH THESE HAZARDS.

Revision Number	Revision Description	Drawn By	Checked By	Date
01	ADDENDUM NO. 1	MTR	EPC	12/21/2018

Designed By: NMC
 Drawn By: MTR
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 Approved By: EPC
 Filename: 150MP1.DWG
 Project No.: 13320
 Project Date: DEC 2018

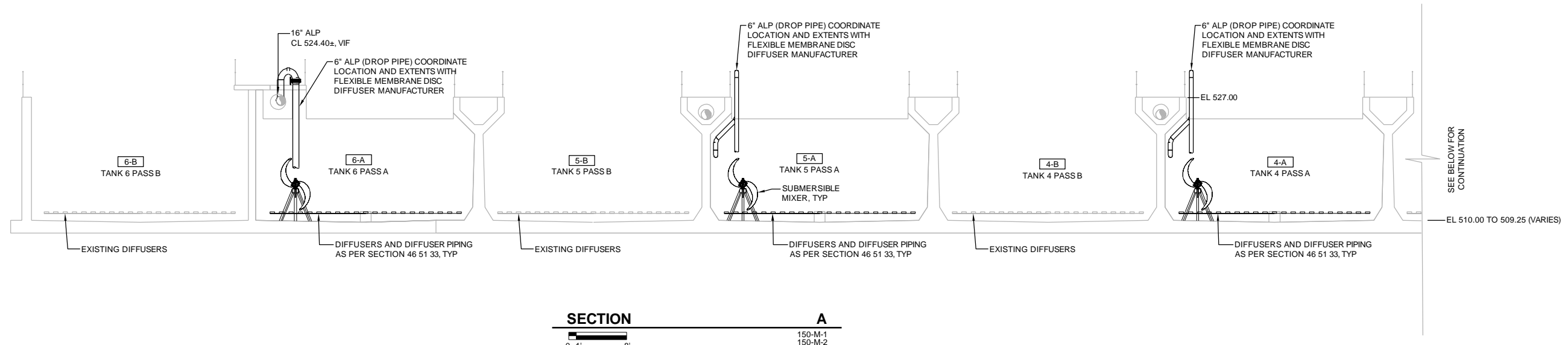
CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS

SOUTH AERATION BASIN
PARTIAL LOWER PLAN TANK 6

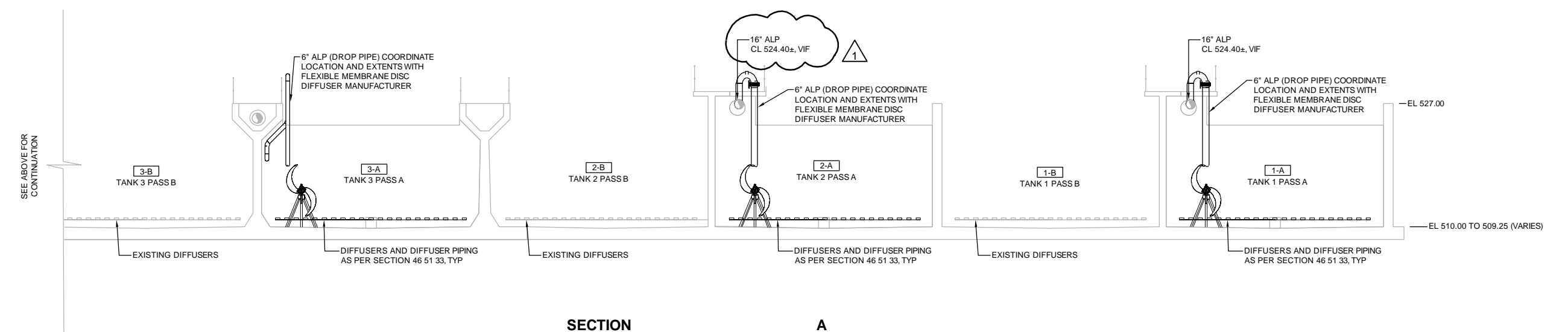


Sheet No. 173

Drawing No. 150-M-8



SECTION A
 150-M-1
 150-M-2
 150-M-3 THRU 150-M-14
 0 1' 8'



SECTION A
 150-M-1
 150-M-2
 150-M-3 THRU 150-M14
 0 1' 8'

- GENERAL NOTES:**
- REFER TO 001 SERIES OF DRAWINGS FOR THE SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE REGARDING ENVIRONMENTAL CONDITIONS ANTICIPATED WITHIN EACH SPACE AND ALLOWABLE MATERIALS OF CONSTRUCTION TO BE USED WITHIN EACH SPACE.
 - HAZARDOUS RATINGS IDENTIFIED ON THIS DRAWING INDICATE SPACES IN WHICH A HAZARDOUS ENVIRONMENT MAY GENERALLY EXIST. CONTRACTOR SHALL REFER TO SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE IN 001 SERIES OF DRAWINGS FOR ADDITIONAL INFORMATION EXPLAINING THE EXTENT AND ENVELOPE ASSOCIATED WITH THESE HAZARDS.

Revision Number	Revision Description	Drawn By	Checked By	Date
01	ADDENDUM NO. 1	MTR	EPC	12/21/2018

Designed By: NMC
 Drawn By: MTR
 Checked By: NWC
 Approved By: EPC
 Filename: 150MP1.DWG
 Project No.: 13320
 Project Date: DEC 2018

CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS
SOUTH AERATION BASIN
SECTIONS

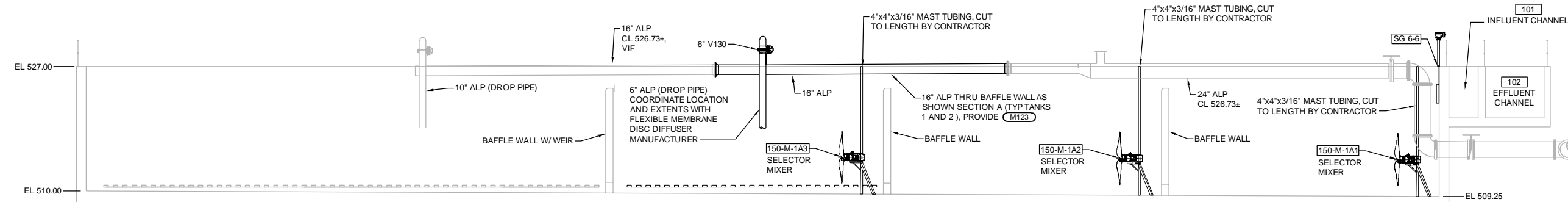


Sheet No. 180

Drawing No. 150-M-15

GENERAL NOTES:

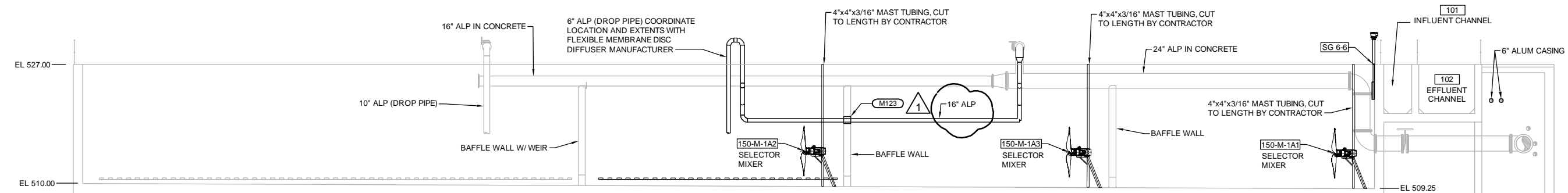
1. REFER TO 001 SERIES OF DRAWINGS FOR THE SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE REGARDING ENVIRONMENTAL CONDITIONS ANTICIPATED WITHIN EACH SPACE AND ALLOWABLE MATERIALS OF CONSTRUCTION TO BE USED WITHIN EACH SPACE.
2. HAZARDOUS RATINGS IDENTIFIED ON THIS DRAWING INDICATE SPACES IN WHICH A HAZARDOUS ENVIRONMENT MAY GENERALLY EXIST. CONTRACTOR SHALL REFER TO SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE IN 001 SERIES OF DRAWINGS FOR ADDITIONAL INFORMATION EXPLAINING THE EXTENT AND ENVELOPE ASSOCIATED WITH THESE HAZARDS.



**SECTION
TYPICAL OF TANKS 1, 2 AND 6 C**

0 1' 8'

150-M-1
150-M-2
150-M-4
150-M-10



**SECTION
TYPICAL OF TANKS 3, 4 AND 5 D**

0 1' 8'

150-M-1
150-M-2
150-M-5
150-M-11

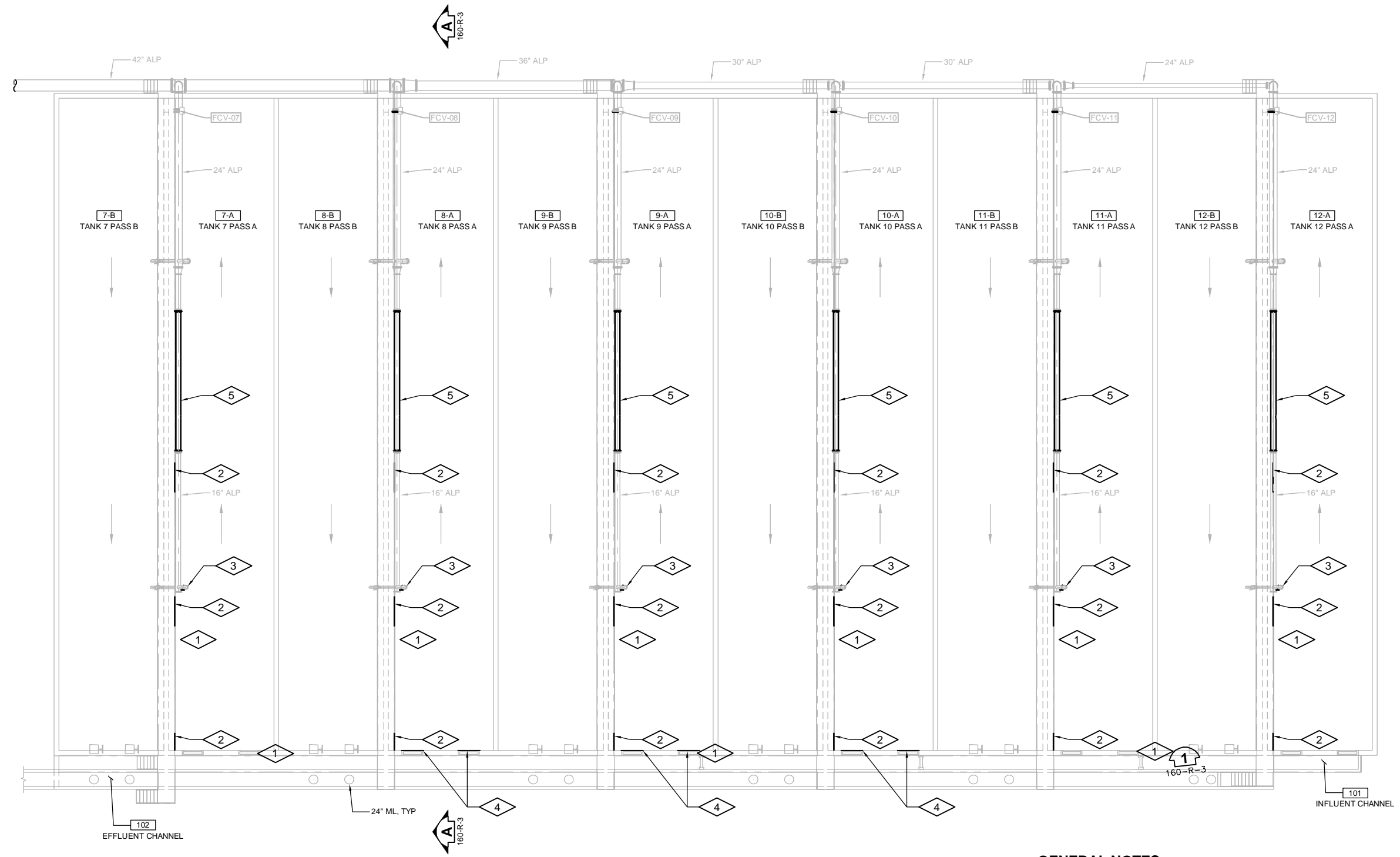
Revision Number	Revision Description	Checked By	Drawn By	Date
01	ADDENDUM NO. 1	EPC	MTR	12/21/2018

Designed By	NMC
Drawn By	MTR
Checked By	NWC
Approved By	EPC
Filename	150MP1.DWG
Project No.	13320
Project Date	DEC 2018

CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS
SOUTH AERATION BASIN
SECTIONS



Sheet No.	182
Drawing No.	150-M-17



UPPER PLAN



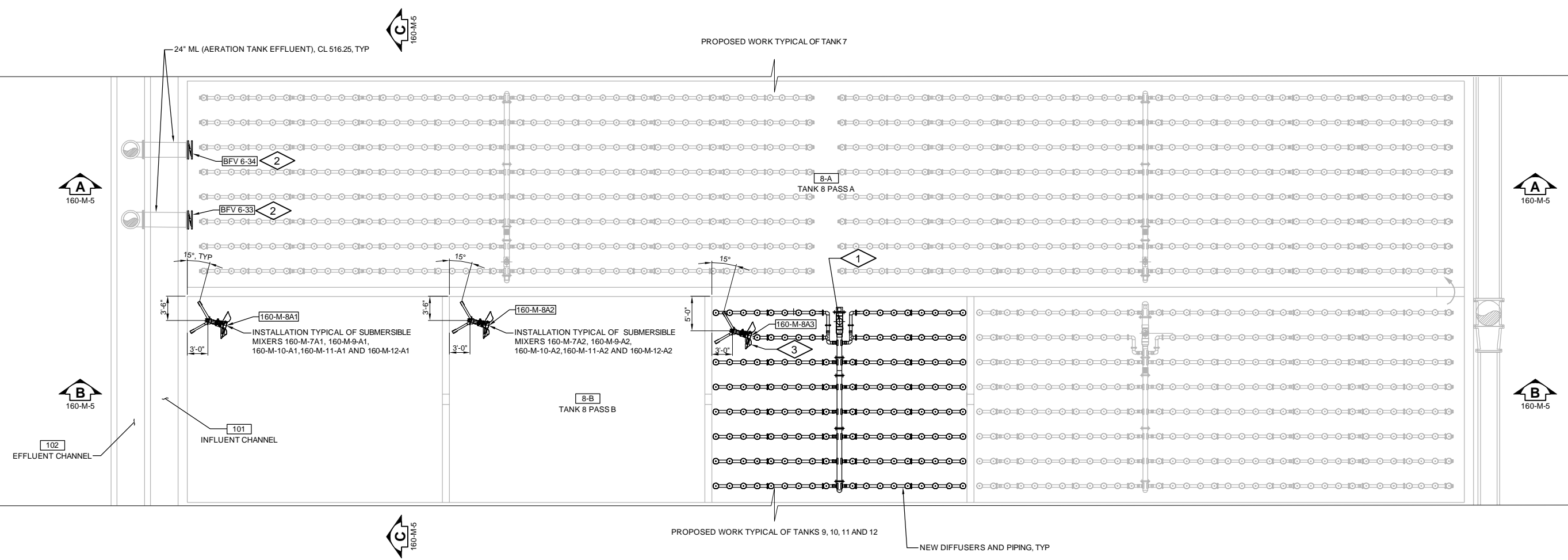
PLAN NOTES:

1. CONTRACTOR SHALL REMOVE CONDUIT AND CONDUCTORS FOR DO PROBE AND TRANSMITTERS BACK TO SOURCE; CONTRACTOR MAY RE-USE CONDUIT AS NEEDED FOR NEW 120V LOADS.
2. REMOVE RAILING. SEE S SHEETS FOR LIMITS OF PROPOSED RAILING.
3. REMOVE ENTIRE 12" ALP STAINLESS STEEL DROP PIPE. REMOVE 12" BUTTERFLY VALVE AND PROVIDE 12" BLIND FLANGE. SEE SECTION A DRAWING 160-R-3.
4. REMOVE WEIR PLATE.
5. REMOVE 16" ALP (STAINLESS STEEL) FLANGE TO FLANGE. CONTRACTOR MAY REUSE 16" ALP AND SHOP FABRICATE PROPOSED 6" ALP DROP PIPE CONNECTION.

GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO CONSTRUCTION AND/OR FABRICATION.
2. FULL TONE COMPONENTS TO BE REMOVED.
3. SAWCUT AND REMOVE CONCRETE TO THE LIMITS NOTED. IN EXPOSED AREAS NOT COVERED BY NEW CONSTRUCTION, REMOVE REINFORCEMENT AND EMBEDMENTS 1" BEYOND FINISHED SURFACE AND PATCH SURFACE WITH PATCHING MORTAR TO MATCH ADJACENT FINISHED SURFACE.
4. REMOVE CONCRETE ANCHORS, ANCHOR BOLTS, AND OTHER EMBEDMENTS FOR MATERIALS AND EQUIPMENT BEING REMOVED. IN EXPOSED AREAS NOT COVERED BY NEW CONSTRUCTION, REMOVE CONCRETE ANCHORS, ANCHOR BOLTS, AND OTHER EMBEDMENTS 1" BEYOND FINISHED SURFACE AND PATCH SURFACE TO MATCH ADJACENT FINISHED SURFACE.
5. WHERE EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED POWER AND CONTROL WIRING AND CONDUIT BACK TO SOURCE. REMOVE JUNCTION BOXES AND PULL BOXES ASSOCIATED WITH THE REMOVE CONDUITS. WHERE CONDUIT SYSTEM CONTAINS CIRCUITS TO OTHER EQUIPMENT THAT REMAINS, RETAIN THESE CIRCUITS AND RELOCATE EXISTING CONDUIT AND EXTEND EXISTING CIRCUITS AS REQUIRED FOR THE INSTALLATION OF NEW EQUIPMENT.
6. REMOVE ALL SUPPORTS ASSOCIATED WITH REMOVED PIPING, DUCTWORK, CONDUIT, AND EQUIPMENT. REMOVE RODS AND FASTENERS FROM CEILINGS, FLOORS, AND WALLS WITH CARE. WHERE SURFACE HAS BEEN MARRED, CHIPPED, SPAWLED, ETC. AS A RESULT OF REMOVAL, PATCH AND PAINT TO MATCH ADJACENT FINISHED SURFACE.
7. REMOVE EXISTING CONCRETE PADS OF ANY EQUIPMENT BEING REMOVED. REMOVE CONCRETE REINFORCEMENT A MINIMUM OF 1" BEYOND FINISHED SURFACE AT ANY LOCATION WHERE NEW CONCRETE PAD WILL NOT COVER ROUGH SURFACE OF REMOVED PAD. PATCH BACK TO FINISHED SURFACE WITH PATCHING MORTAR.
8. WHERE OPENINGS ARE LEFT IN WALLS, SLABS, OR CEILINGS DUE TO REMOVED PIPING, DUCTWORK, EQUIPMENT, OR OTHER WORK, PATCH OPENING TO MATCH ADJACENT SURFACES UNLESS NOTED OTHERWISE. THE PERIMETER OF OPENINGS IN CONCRETE WALLS AND SLABS EXPOSED TO EARTH, WEATHER, OR WATER SHALL BE LINED WITH A GASKET TYPE WATERSTOP PRIOR TO PATCHING OF THE WALL. OPENINGS IN PRECAST CONCRETE ROOF MEMBERS ARE TO BE PATCHED WITH CONCRETE AND DOWELED TO THE EXISTING ROOF MEMBERS UNLESS NOTED OTHERWISE. ROOFING SYSTEM SHALL BE PATCHED TO PREVENT ANY LEAKING AT THE OPENING.

Date	12/21/2018
Checked By	EPC
Drawn By	MTR
Revision Description	ADDENDUM NO. 1
Revision Number	01
Designed By	MTR
Drawn By	MTR
Checked By	NWC
Approved By	EPC
Filename	160RP1.DWG
Project No.	13320
Project Date	DEC 2018
CITY OF JOLIET EASTSIDE WASTEWATER TREATMENT PLANT PHOSPHORUS REMOVAL PROJECT JOLIET, ILLINOIS NORTH AERATION BASIN REMOVAL UPPER PLAN	
Sheet No.	189
Drawing No.	160-R-2



PARTIAL LOWER PLAN TANK 8
 0 1' 8'

- PLAN NOTES:**
- 6" ALP DROP LEG FROM 16" STAINLESS STEEL ALP AT CL 526.40±. PROVIDE STAINLESS STEEL TO PVC TRANSITION FOR CONNECTION TO DIFFUSER SYSTEM.
 - EXISTING 24" ML (AERATION EFFLUENT) BUTTERFLY VALVE TO REMAIN. REPLACE ACTUATOR WITH MOTORIZED ACTUATOR IN ACCORDANCE WITH SECTION 40 05 53. TYPICAL OF TANKS 7, 9, 10, 11 AND 12.
 - INSTALLATION TYPICAL OF SUBMERSIBLE MIXERS 160-M-7A3, 160-M-9-A3, 160-M-10-A3, 160-M-11-A3 AND 160-M-12-A3. COORDINATE SUBMERSIBLE MIXER LAYOUT WITH FLEXIBLE MEMBRANE DISC DIFFUSER MANUFACTURER.

- GENERAL NOTES:**
- REFER TO 001 SERIES OF DRAWINGS FOR THE SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE REGARDING ENVIRONMENTAL CONDITIONS ANTICIPATED WITHIN EACH SPACE AND ALLOWABLE MATERIALS OF CONSTRUCTION TO BE USED WITHIN EACH SPACE.
 - HAZARDOUS RATINGS IDENTIFIED ON THIS DRAWING INDICATE SPACES IN WHICH A HAZARDOUS ENVIRONMENT MAY GENERALLY EXIST. CONTRACTOR SHALL REFER TO SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE IN 001 SERIES OF DRAWINGS FOR ADDITIONAL INFORMATION EXPLAINING THE EXTENT AND ENVELOPE ASSOCIATED WITH THESE HAZARDS.

Date	12/21/2018
Checked By	EPC
Drawn By	MTR
Revision Description	ADDENDUM NO. 1
Revision Number	01
Designed By	NMC
Drawn By	MTR
Checked By	NWC
Approved By	EPC
Filename	160MP1.DWG
Project No.	13320
Project Date	DEC 2018

CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS

NORTH AERATION BASIN
PARTIAL LOWER PLAN TANK 8



Sheet No. **208**

Drawing No. **160-M-3**

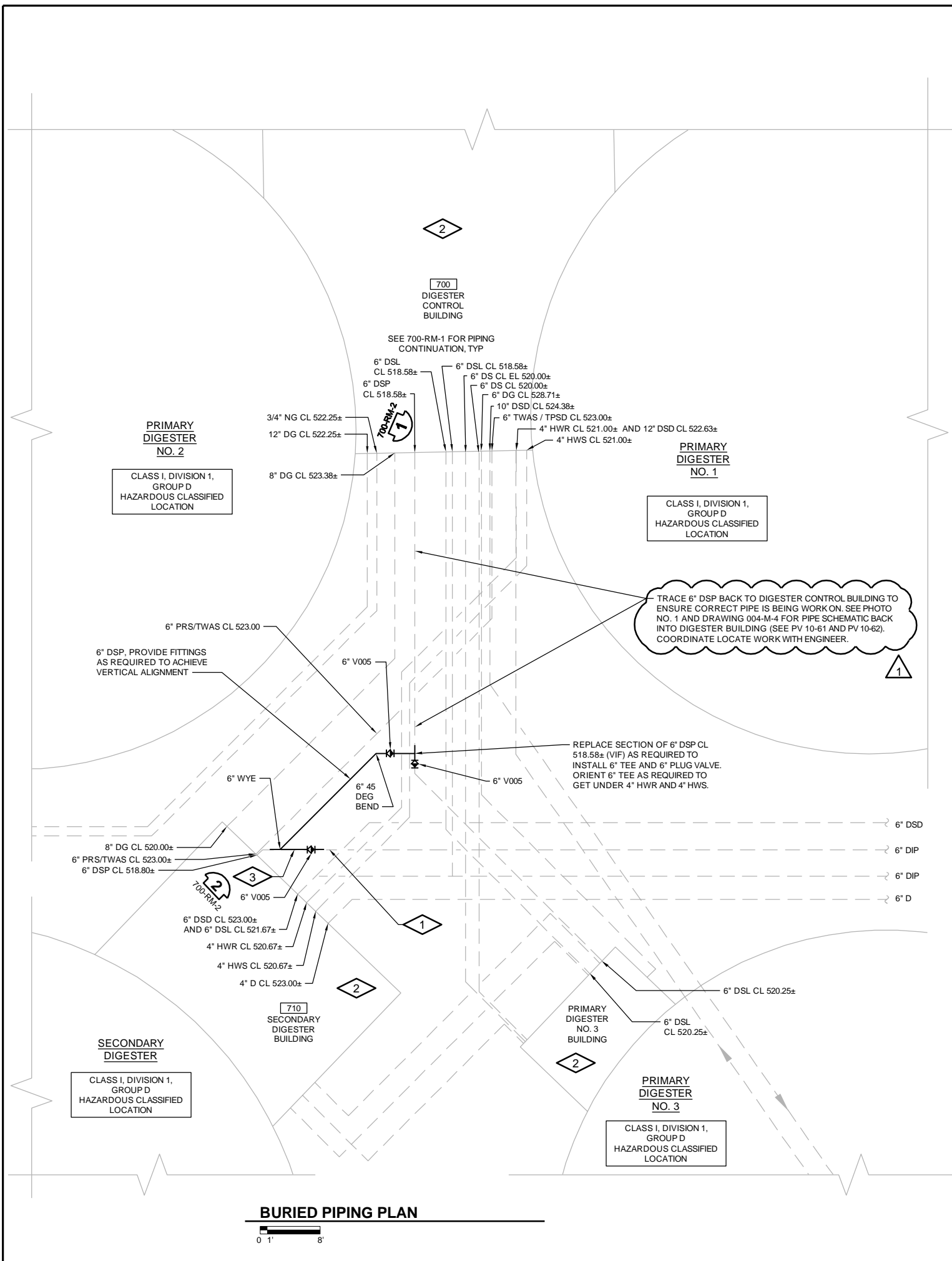


PHOTO DIGESTER CONTROL BUILDING EAST
NTS 700-RM-2

EXISTING PV 10-62
6\"/>

GENERAL NOTES:

- REFER TO 001 SERIES OF DRAWINGS FOR THE SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE REGARDING ENVIRONMENTAL CONDITIONS ANTICIPATED WITHIN EACH SPACE AND ALLOWABLE MATERIALS OF CONSTRUCTION TO BE USED WITHIN EACH SPACE.
- HAZARDOUS RATINGS IDENTIFIED ON THIS DRAWING INDICATE SPACES IN WHICH A HAZARDOUS ENVIRONMENT MAY GENERALLY EXIST. CONTRACTOR SHALL REFER TO SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE IN 001 SERIES OF DRAWINGS FOR ADDITIONAL INFORMATION EXPLAINING THE EXTENT AND ENVELOPE ASSOCIATED WITH THESE HAZARDS.
- SEE 700-RM-3 FOR SURFACE RESTORATION.

PLAN NOTES:

- TRACE 6\"/>
- CLASS I, DIVISION 1, GROUP D HAZARDOUS CLASSIFIED LOCATION
- REPLACE SECTION 6\"/>



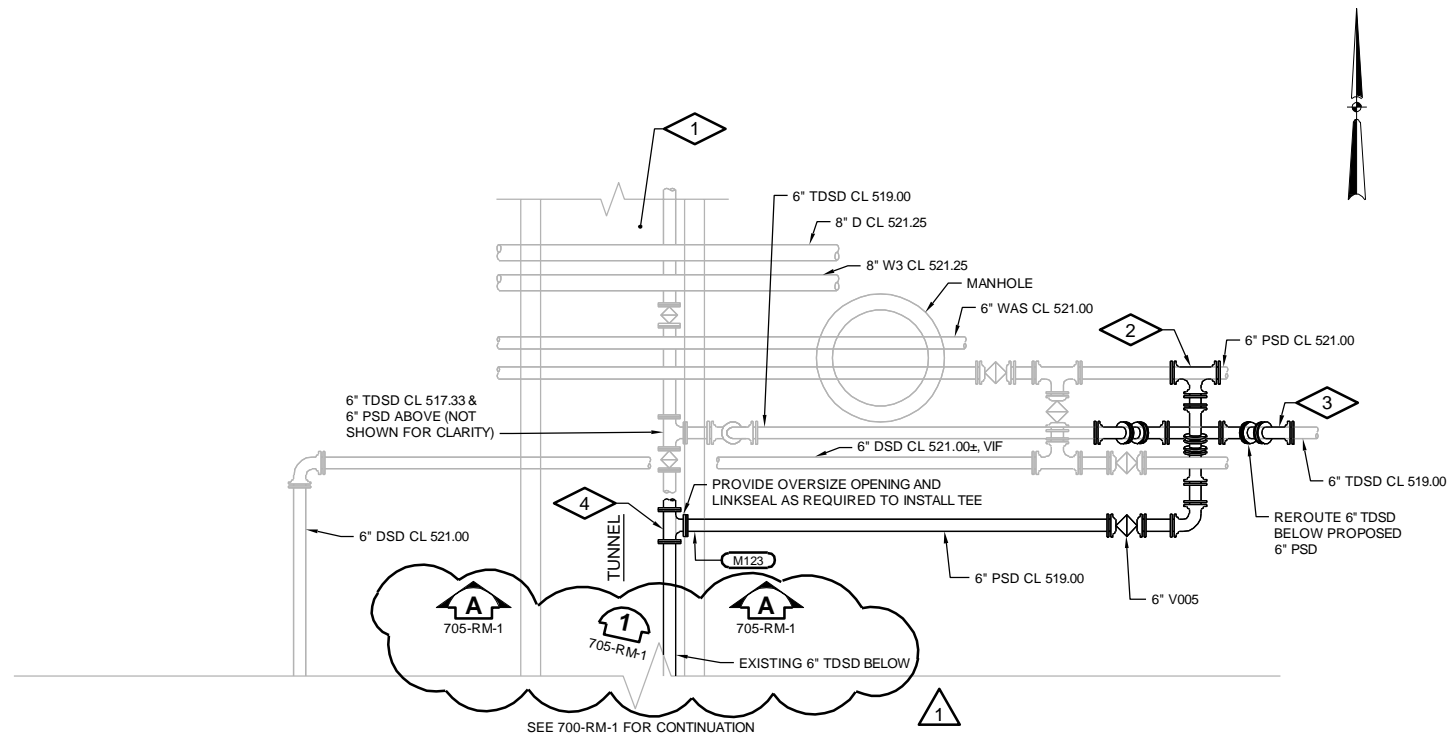
PHOTO SECONDARY DIGESTER BLDG LOOKING NORTH
NTS 700-RM-2

EXISTING 6\"/>

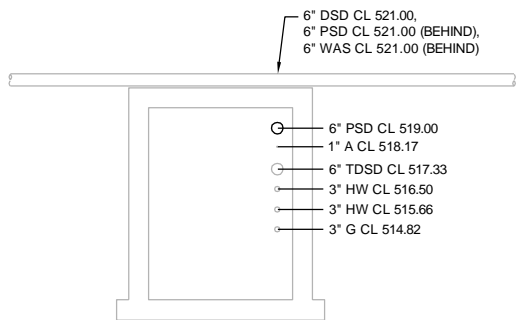
BURIED PIPING PLAN



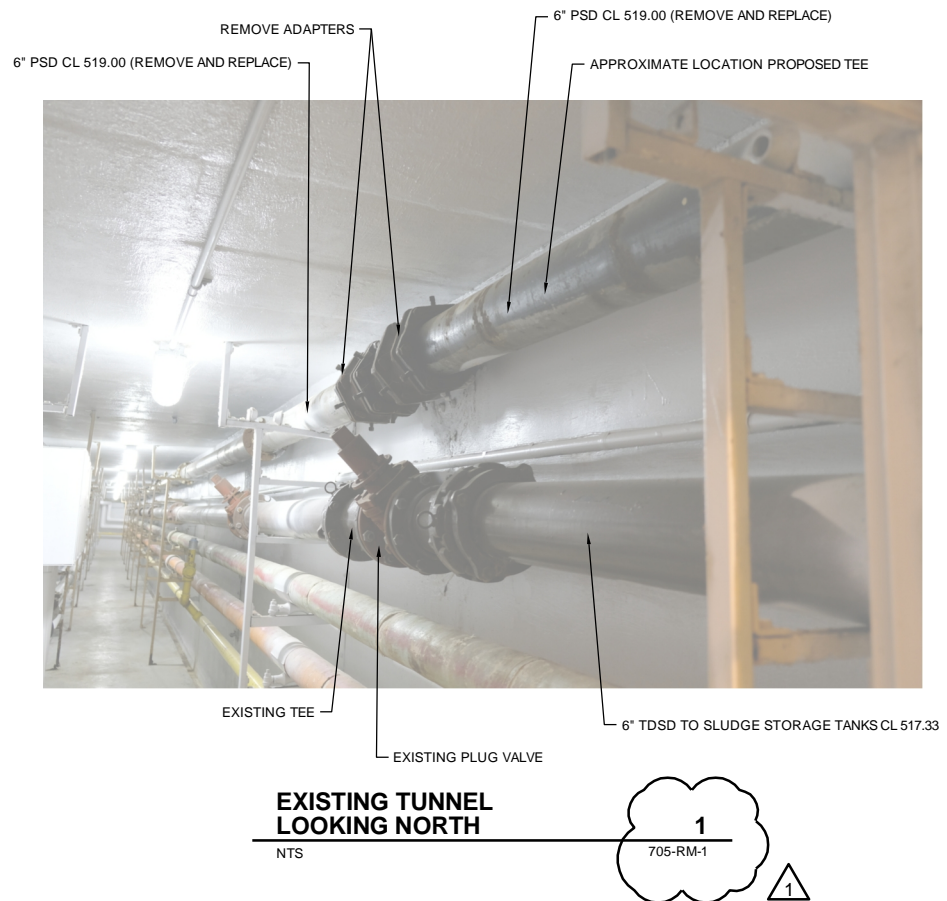
Date	12/21/2018
Checked By	EPC
Drawn By	MTR
Revision Description	ADDENDUM NO. 1
Revision Number	01
Designed By	MTR
Drawn By	MTR
Checked By	NWC
Approved By	EPC
Filename	700MP1.DWG
Project No.	13320
Project Date	DEC 2018
CITY OF JOLIET EASTSIDE WASTEWATER TREATMENT PLANT PHOSPHORUS REMOVAL PROJECT JOLIET, ILLINOIS DIGESTER CONTROL BUILDING BURIED PIPING PLAN	
Sheet No.	260
Drawing No.	700-RM-2



PLAN

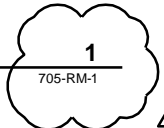


SECTION A



**EXISTING TUNNEL
LOOKING NORTH**

NTS



GENERAL NOTES:

1. REFER TO 001 SERIES OF DRAWINGS FOR THE SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE REGARDING ENVIRONMENTAL CONDITIONS ANTICIPATED WITHIN EACH SPACE AND ALLOWABLE MATERIALS OF CONSTRUCTION TO BE USED WITHIN EACH SPACE.
2. HAZARDOUS RATINGS IDENTIFIED ON THIS DRAWING INDICATE SPACES IN WHICH A HAZARDOUS ENVIRONMENT MAY GENERALLY EXIST. CONTRACTOR SHALL REFER TO SPACE ENVIRONMENT / HAZARDOUS RATING SCHEDULE IN 001 SERIES OF DRAWINGS FOR ADDITIONAL INFORMATION EXPLAINING THE EXTENT AND ENVELOPE ASSOCIATED WITH THESE HAZARDS.
3. SEE DRAWINGS 002-CR-4 AND 002-CF-6 FOR CONCRETE SIDEWALK REMOVAL AND RESTORATION

PLAN NOTES:

1. CLASS 1, DIVISION 1, GROUP D HAZARDOUS CLASSIFIED LOCATION
2. CUT AND REMOVE 6" DIP AS REQUIRED TO INSTALL 6" TEE
3. CUT AND REMOVE 6" DIP AS REQUIRED TO LOWER TSD AND INSTALL 6" PSD.
4. REMOVE AND REPLACE APPROXIMATELY 25-FT OF 6" PSD AS SHOWN ON PLANS AND PHOTOS. INSTALL 6" TEE.

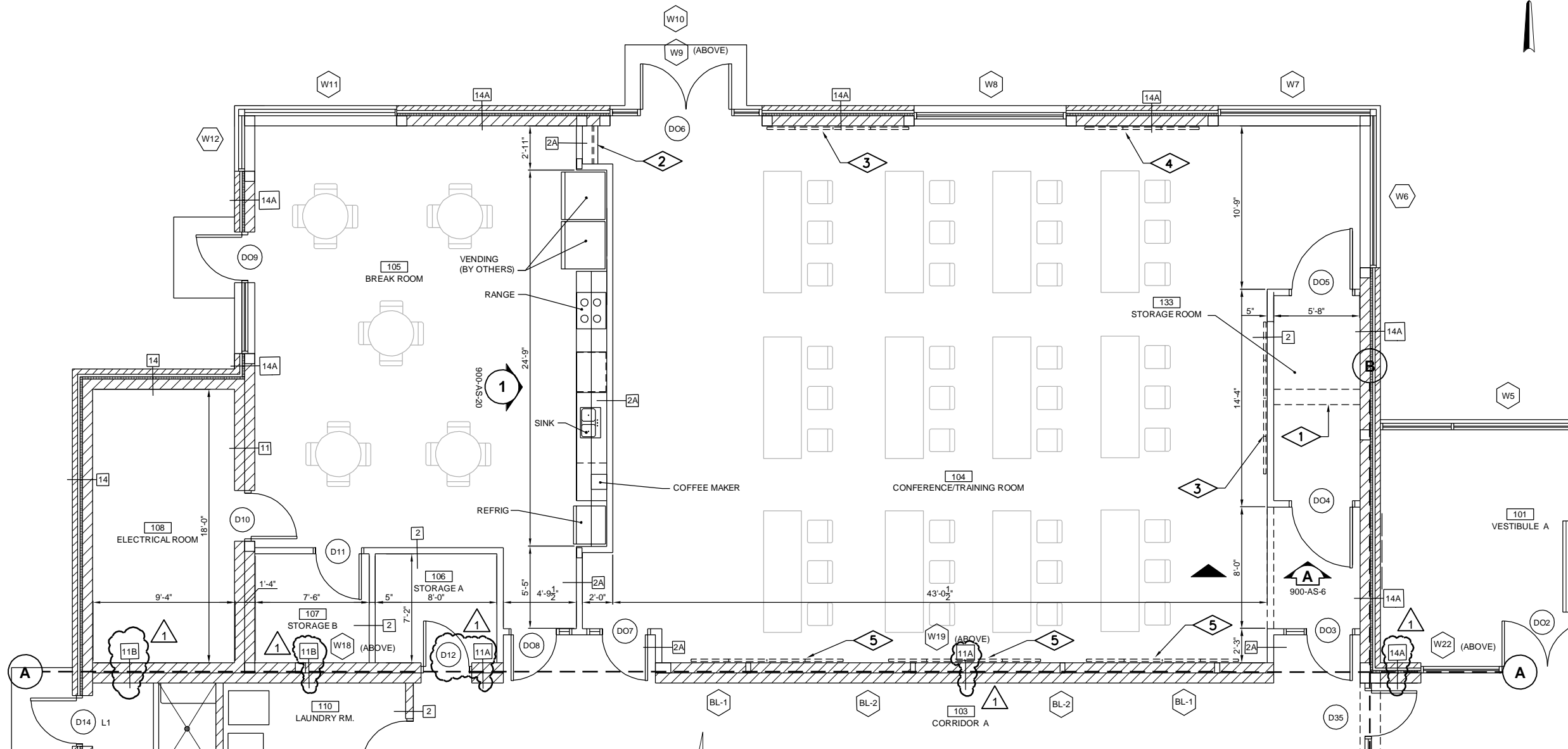
Revision Number	Revision Description	Drawn By	Checked By	Date
01	ADDENDUM NO. 1	MTR	EPC	12/21/2018

CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS
TUNNEL
PLAN, SECTION AND DETAIL



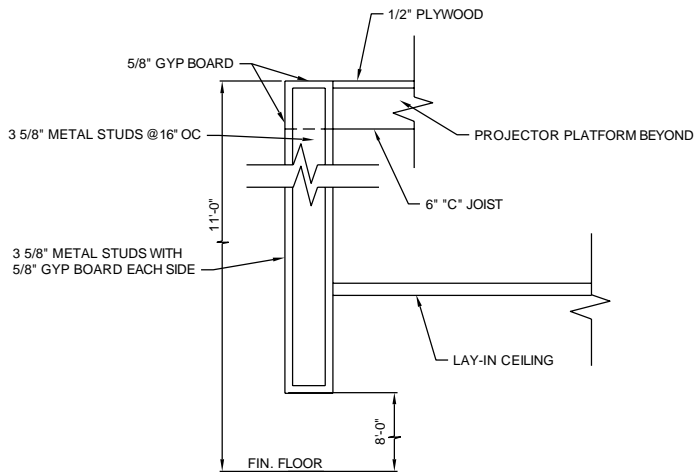
Sheet No. **262**

Drawing No. **705-RM-1**



FOR CONTINUATION SEE DRAWING 900-AS-7

PARTIAL PLAN NORTH



SECTION A-A
NTS 900-AS-6

PLAN NOTES:

1. PROVIDE 1/2" TREATED PLYWOOD OVER 1-5/8" X 6" "C" JOISTS TO FORM A 12" WIDE PLATFORM FOR MOUNTING PROJECTOR. COORDINATE WITH AV MANUFACTURER.
2. PROVIDE SHELF AND COAT HOOK SEE A911
3. PROVIDE FIXED ABSORPTIVE SOUND PANELS 10'-0" WIDE X 8'-0" HIGH. MOUNT BOTTOM AT 6'-0" AFF.
4. PROVIDE FIXED ABSORPTIVE SOUND PANELS 7'-6" WIDE X 8'-0" HIGH. MOUNT BOTTOM AT 6'-0" AFF.
5. PROVIDE FIXED ABSORPTIVE SOUND PANELS 10'-0" WIDE X 8'-0" HIGH. MOUNT BOTTOM AT 8'-0" AFF.

Date	12/21/2018
Checked By	TJB
Drawn By	SRW
Revision Description	
Revision Number	01
ADDENDUM NO.	1
Designed By	SRW/CLS
Drawn By	SRW/CLS
Checked By	TJB
Approved By	SRW/TJB
Filename	900SP1.DWG
Project No.	13320
Project Date	DEC 2018

CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS

ADMINISTRATION BUILDING
PARTIAL PLAN NORTH



Sheet No. **268**
 Drawing No.

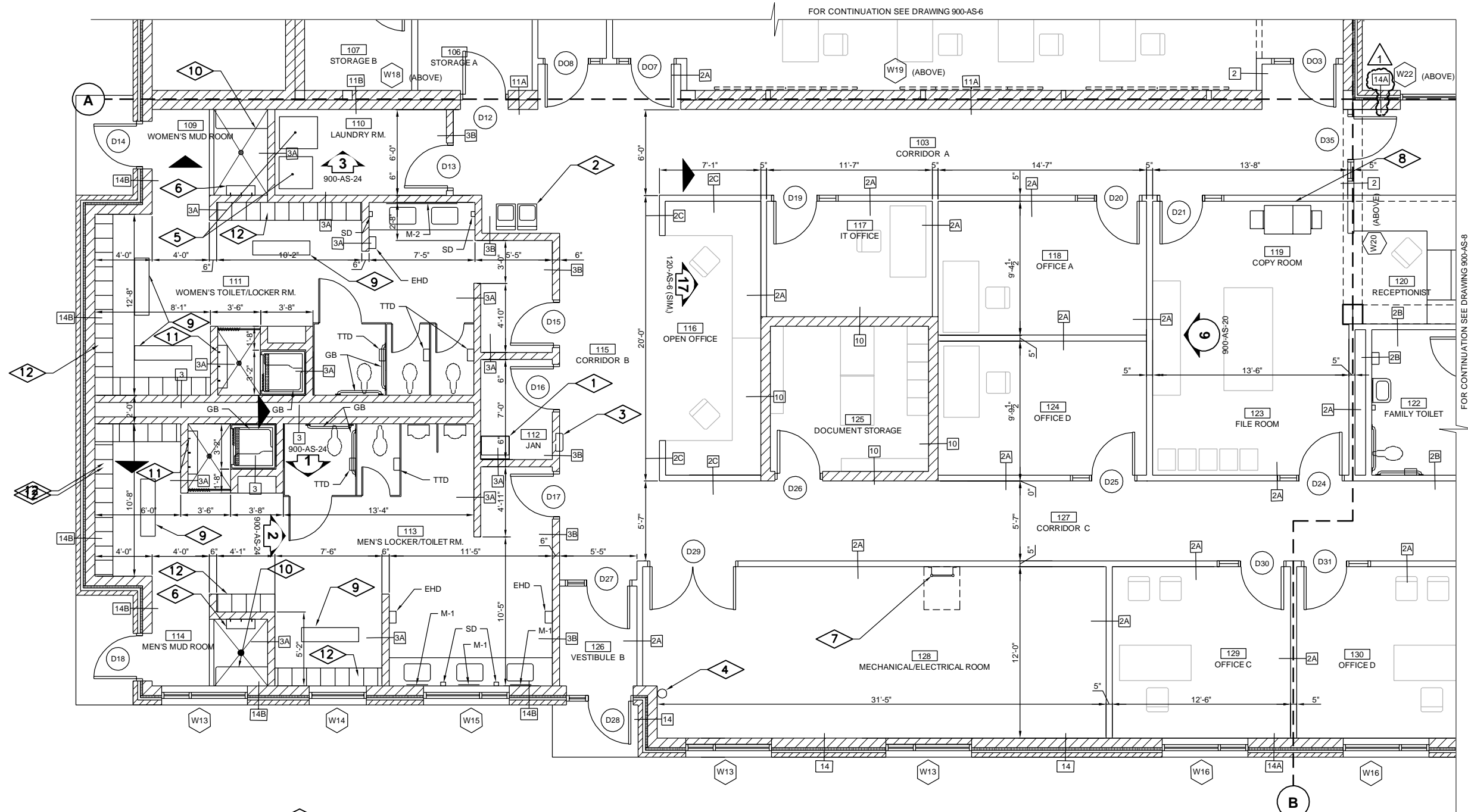
900-AS-6

Date	12/21/2018
Checked By	TJB
Drawn By	SRW
Revision Description	
Revision Number	01
ADDENDUM NO. 1	
Designed By	SRW/CLS
Drawn By	SRW/CLS
Checked By	TJB
Approved By	SRW/TJB
Filename	900SP1.DWG
Project No.	13320
Project Date	DEC 2018

**CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS
ADMINISTRATION BUILDING
PARTIAL PLAN SOUTH**

DONOHUE

Sheet No. **269**
Drawing No. **900-AS-7**



PLAN NOTES:

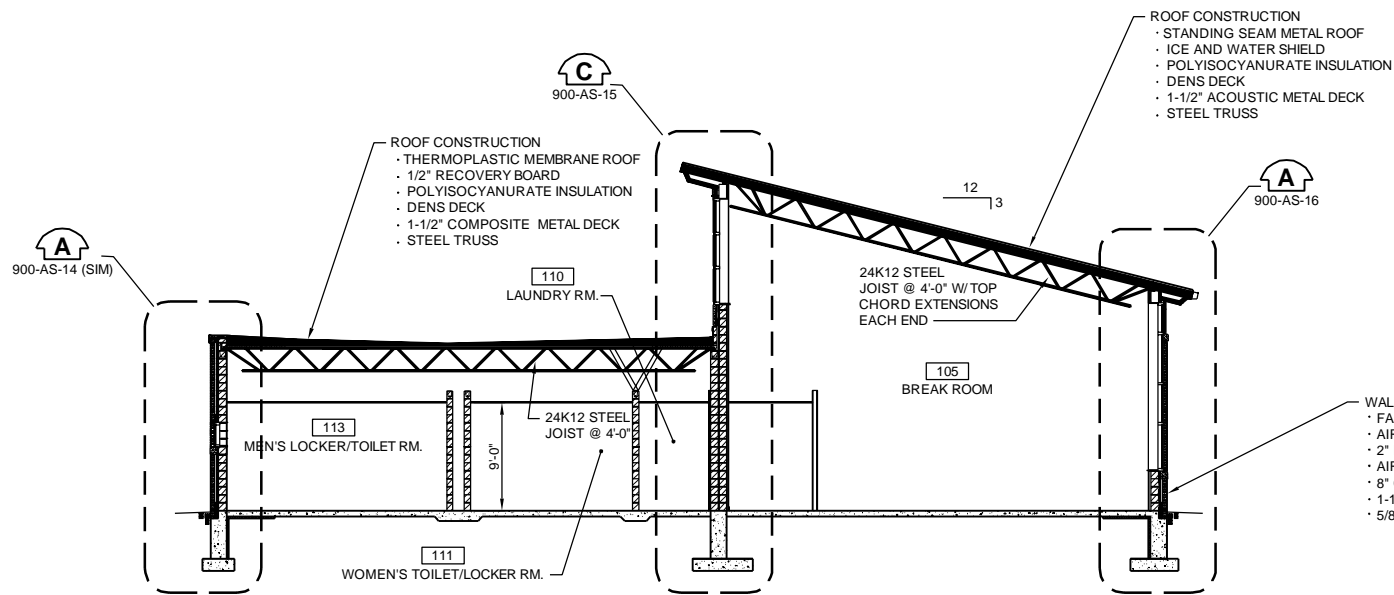
1. PROVIDE MOP SINK. PROVIDE MOP CLIP AND SHELF ABOVE AT 5'-0" AFF.
2. PROVIDE ADA WATER FOUNTAINS WITH BOTTLE FILL.
3. PROVIDE SEMI-RECESS FIRE EXTINGUISHER CABINET. SEE (A919)
4. PROVIDE FIRE EXTINGUISHER WALL HUNG ON BRACKET.
5. PROVIDE WASHER AND DRYER.
6. PROVIDE SHELF AND COAT HOOK. SEE (A911)
7. PROVIDE WALL MOUNTED LADDER AND ROOF HATCH ABOVE. SEE (A785)
8. COPIER BY OWNER.
9. PROVIDE PEDESTAL MOUNTED BENCH. SEE (A913)
10. PROVIDE WALL MOUNTED BENCH. SEE (A914)
11. PROVIDE 3 ROBE HOOKS WITH SHELF ABOVE. SEE (A911)
12. PROVIDE LOCKERS. SEE (A916) (TYP.)

PARTIAL PLAN SOUTH

0 1' 4'

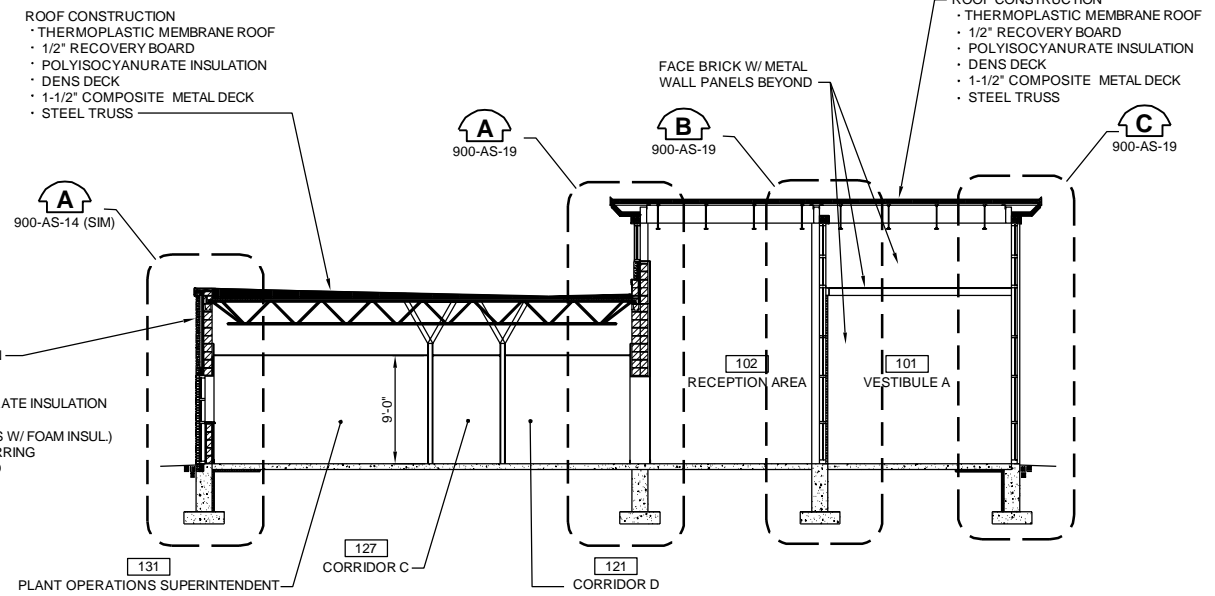
FOR CONTINUATION SEE DRAWING 900-AS-6

FOR CONTINUATION SEE DRAWING 900-AS-8



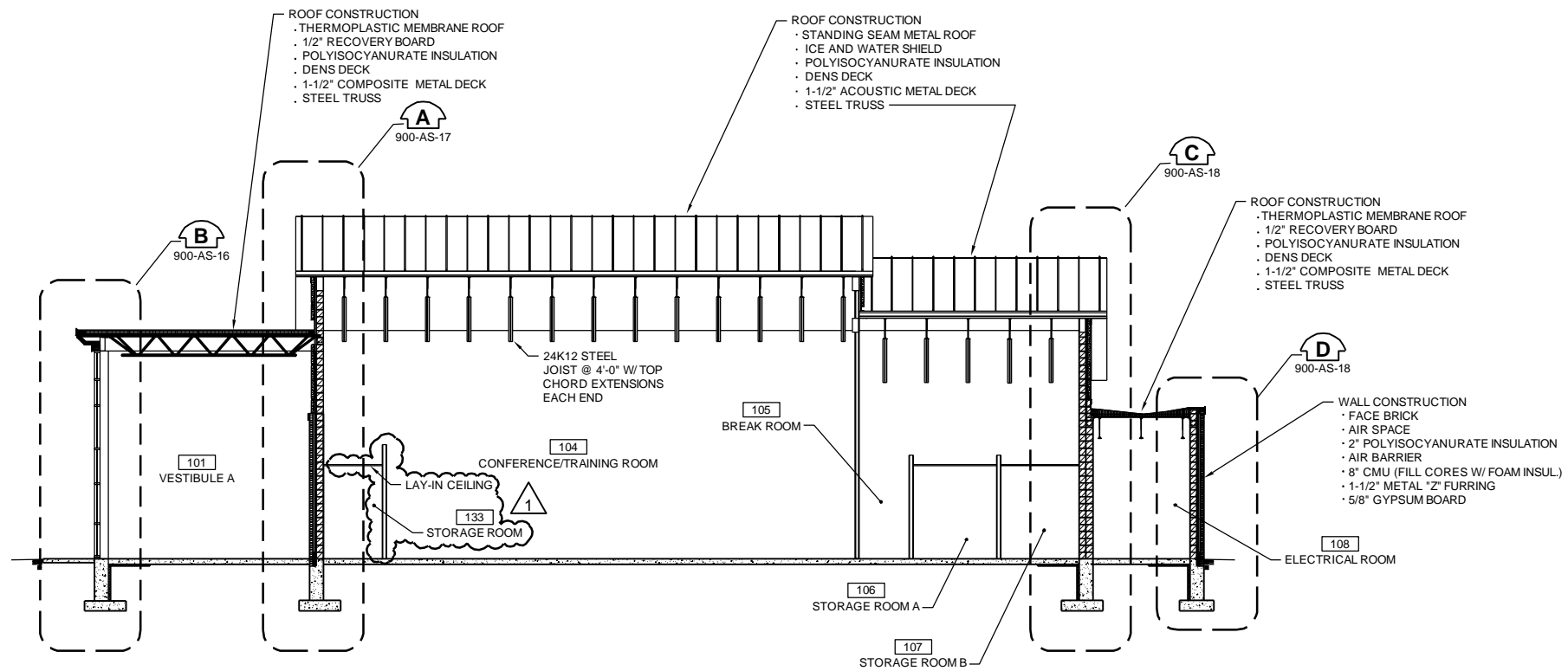
SECTION C

0' 1" 8'



SECTION E

0' 1" 8'



SECTION D

0' 1" 8'

Revision Number	Revision Description	Checked By	Date
01	ADDENDUM NO. 1	TJB	12/21/2018

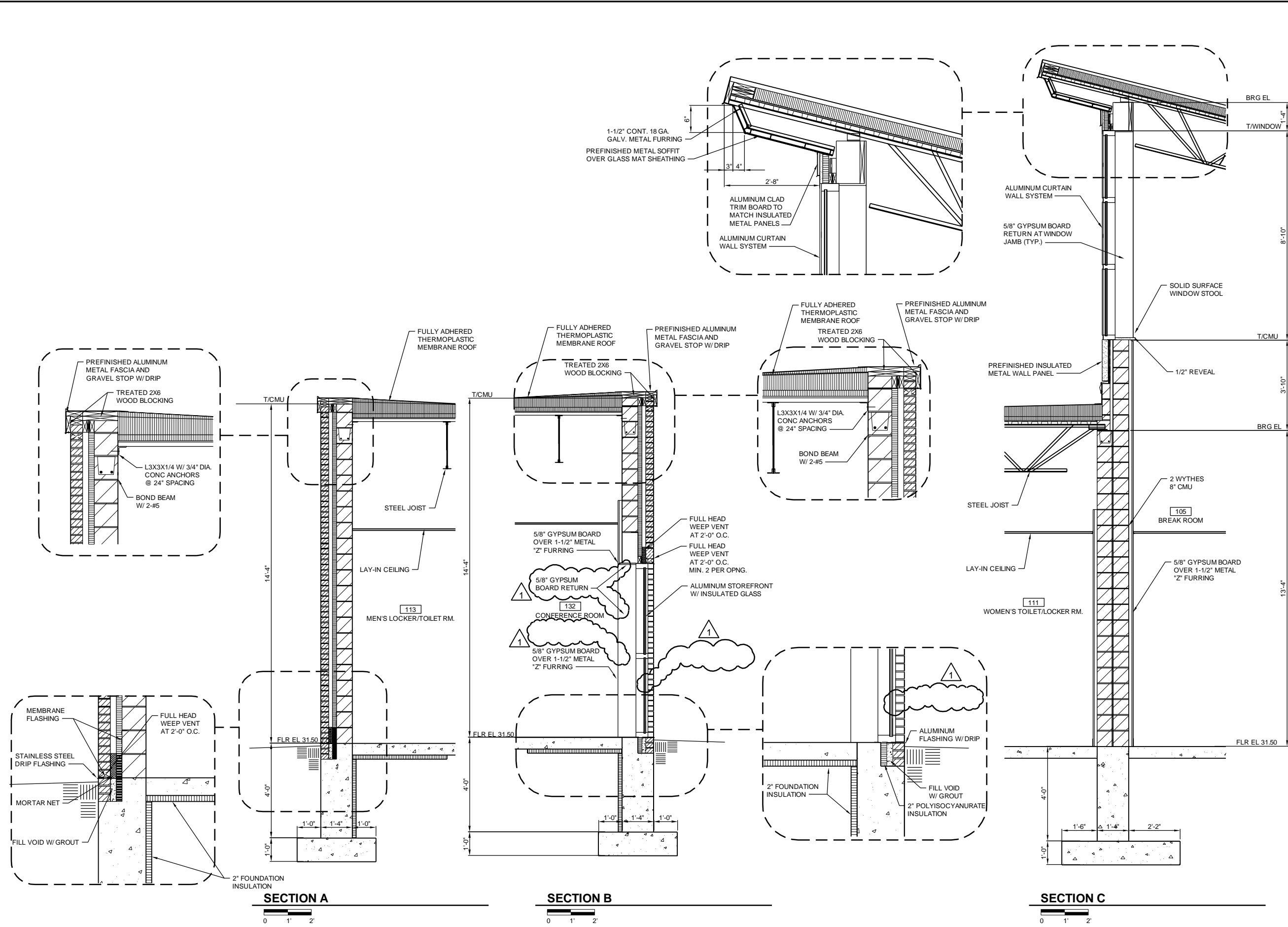
Designed By	SRW/CLS
Drawn By	SRW/CLS
Checked By	TJB
Approved By	SRW/TJB
Filename	900SP1.DWG
Project No.	13320
Project Date	DEC 2018

CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS
ADMINISTRATION BUILDING
SECTIONS



Sheet No. **275**
Drawing No.

900-AS-13



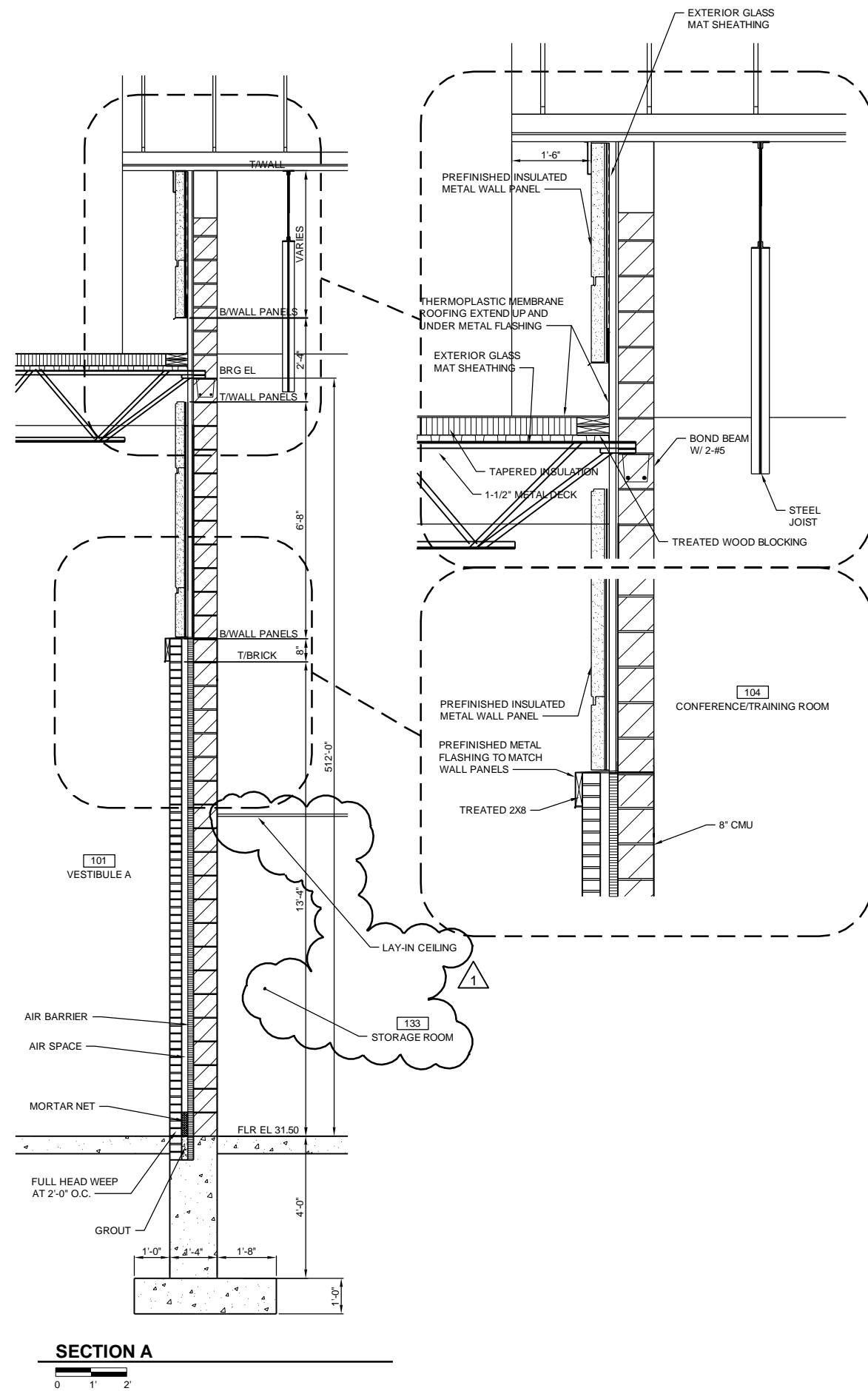
SECTION A
0 1' 2'

SECTION B
0 1' 2'

SECTION C
0 1' 2'

Date	12/21/2018
Checked By	TJB
Drawn By	SRW
Revision Description	ADDENDUM NO. 1
Revision Number	01
Designed By	SRW/CLS
Drawn By	SRW/CLS
Checked By	TJB
Approved By	SRW/TJB
Filename	900SP1.DWG
Project No.	13320
Project Date	DEC 2018

CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS
ADMINISTRATION BUILDING
SECTIONS



SECTION A



Revision Number	Revision Description	Drawn By	Checked By	Date
01	ADDENDUM NO. 1	SRW	TJB	12/21/2018

Designed By	SRW/CLS
Drawn By	SRW/CLS
Checked By	TJB
Approved By	SRW/TJB
Filename	900SP1.DWG
Project No.	13320
Project Date	DEC 2018

CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS
ADMINISTRATION BUILDING
SECTIONS



Sheet No. **279**
Drawing No.

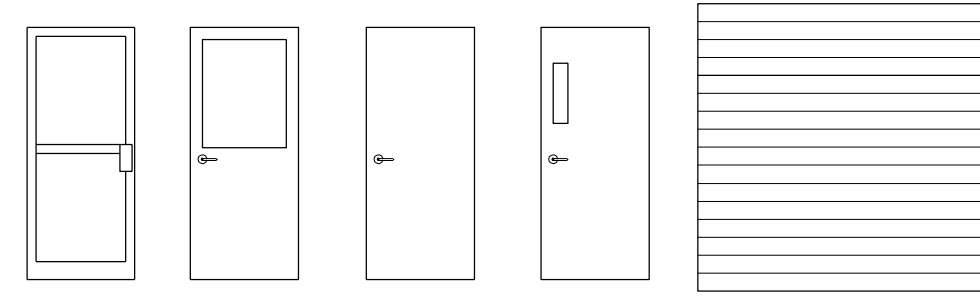
900-AS-17

DOOR SCHEDULE												A020		
STRUC. NO.	DOOR NO.	DOOR *							FRAME			REMARKS		
		TYPE	LINTEL	SIZE		MATT.	FINISH	H.W. SET	TYPE	MATT.	FINISH			
				WIDTH X HEIGHT	THK									
120	D01	1	-	3'-0"X6'-8"	1-3/4"	AL	-	14	3	AL	-	G6 GLASS		
	D02	4	-	3'-0"X6'-8"	1-3/4"	GHM	PNT	4	2	GHM	PNT	G5 GLASS		
	D03	3	-	3'-0"X6'-8"	1-3/4"	GHM	PNT	4	2	GHM	PNT	-		
	D04	2	-	3'-0"X6'-8"	1-3/4"	GHM	PNT	3	2	GHM	PNT	G5 GLASS		
	D05	3	-	3'-0"X6'-8"	1-3/4"	GHM	PNT	3	5	GHM	PNT	G2 GLASS @ SIDELIGHT		
	D06	3	-	3'-0"X6'-8"	1-3/4"	GHM	PNT	5	1	GHM	PNT	-		
	D07	3	-	3'-0"X6'-8"	1-3/4"	GHM	PNT	5	1	GHM	PNT	-		
	D08	3	-	3'-0"X7'-0"	1-3/4"	GHM	PNT	1	1	GHM	PNT	-		
	D09	1	-	3'-0"X6'-8"	1-3/4"	AL	-	11	11	AL	-	G3 GLASS		
	D10	1	-	3'-0"X6'-8"	1-3/4"	AL	-	11	3	AL	-	SEE FOOTNOTE NO.2		
	D11	1	-	3'-0"X6'-8"	1-3/4"	AL	-	11	1	AL	-	G3 GLASS		
	D12	3	-	EXISTING 3'-0"X6'-8"	1-3/4"	GHM	PNT	3	2	GHM	PNT	SEE FOOTNOTE NO. 1		
	D13	2	-	EXISTING 3'-0"X6'-8"	1-3/4"	GHM	PNT	3	2	GHM	PNT	SEE FOOTNOTE NO. 1		
	D14	3	-	EXISTING 3'-0"X6'-8"	1-3/4"	GHM	PNT	4	2	GHM	PNT	SEE FOOTNOTE NO. 1		
	D15	3	-	EXISTING 3'-0"X6'-8"	1-3/4"	GHM	PNT	4	2	GHM	PNT	SEE FOOTNOTE NO. 1		
	D16	4	-	EXISTING 3'-0"X6'-8"	1-3/4"	GHM	PNT	3	2	GHM	PNT	SEE FOOTNOTE NO. 1		
125	D01	2	-	3'-0"X7'-0"	1-3/4"	FRP	-	8	-	FRP	-	G3 GLASS		
	D02	5	-	12'-0"X12'-0"	-	SS	-	-	-	-	-	OVERHEAD COILING DOOR		
	D03	2	-	3'-0"X7'-0"	1-3/4"	FRP	-	8	-	FRP	-	G3 GLASS		
600	D01	3	-	(2) 4'-0"X7'-0"	1-3/4"	FRP	-	10	3	FRP	-	SEE FOOTNOTE NO. 2		
	D02	3	-	(2) 4'-0"X7'-0"	1-3/4"	FRP	-	10	3	FRP	-	SEE FOOTNOTE NO. 2		
	D03	4	-	3'-0"X7'-0"	1-3/4"	FRP	-	8	1	FRP	-	G3 GLASS		
	D04	5	-	12'-0"X12'-0"	-	AL	-	-	-	-	-	OVERHEAD COILING DOOR		
	D05	4	-	3'-0"X7'-0"	1-3/4"	FRP	-	8	1	FRP	-	G3 GLASS		
	D06	4	-	3'-0"X7'-0"	1-3/4"	FRP	-	8	1	FRP	-	G3 GLASS		
	D07	4	-	3'-0"X7'-0"	1-3/4"	FRP	-	1	1	FRP	-	G2 GLASS		
	D08	4	-	3'-0"X7'-0"	1-3/4"	FRP	-	8	1	FRP	-	G3 GLASS		
900	D01	1	-	(2) 3'-0"X7'-2"	1-3/4"	AL	-	13	-	AL	-	G3 GLASS		
	D02	1	-	(2) 3'-0"X7'-2"	1-3/4"	AL	-	12	-	AL	-	G3 GLASS		
	D03	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	2	7	GHM	PNT	G2 GLASS		
	D04	3	-	4'-0"X7'-0"	1-3/4"	WD	ST	4	2	GHM	PNT	-		
	D05	3	-	4'-0"X7'-0"	1-3/4"	WD	ST	4	2	GHM	PNT	-		
	D06	1	-	(2) 3'-0"X7'-2"	1-3/4"	AL	-	13	-	AL	-	G3 GLASS		
	D07	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	2	6	GHM	PNT	G2 GLASS		
	D08	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	2	6	GHM	PNT	G2 GLASS		
	D09	1	-	3'-0"X7'-2"	1-3/4"	AL	-	11	4	AL	-	G3 GLASS		
	D10	3	-	3'-0"X7'-0"	1-3/4"	GHM	PNT	1	1	GHM	PNT	-		
	D11	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	4	2	GHM	PNT	-		
	D12	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	4	2	GHM	PNT	-		
	D13	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	4	2	GHM	PNT	-		
	D14	3	-	3'-0"X7'-2"	1-3/4"	AL	-	11	2	AL	-	-		
	D15	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	7	2	GHM	PNT	-		
	D16	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	4	2	GHM	PNT	-		
	D17	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	7	2	GHM	PNT	-		
	D18	3	-	3'-0"X7'-2"	1-3/4"	AL	-	11	2	AL	-	-		
	D19	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	3	7	GHM	PNT	G2 GLASS		
	D20	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	3	7	GHM	PNT	G2 GLASS		
	D21	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	3	7	GHM	PNT	G2 GLASS		
	D22	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	7	2	GHM	PNT	-		
	D23											NOT USED		
	D24	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	3	7	GHM	PNT	G2 GLASS		
	D25	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	3	7	GHM	PNT	G2 GLASS		
	D26	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	3	1	GHM	PNT	-		
	D27	1	-	3'-0"X7'-2"	1-3/4"	AL	-	14	7	AL	-	G3 GLASS		
	D28	1	-	3'-0"X7'-2"	1-3/4"	AL	-	11	7	AL	-	G3 GLASS		
	D29	3	-	(2) 3'-0"X7'-0"	1-3/4"	GHM	PNT	15	2	GHM	PNT	-		
	D30	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	3	8	GHM	PNT	G2 GLASS		

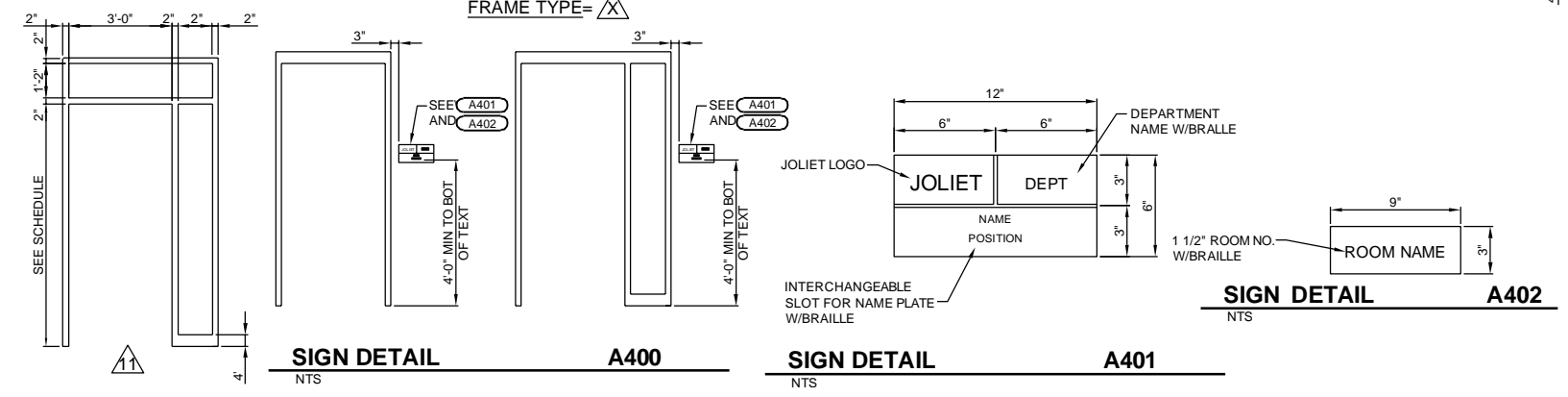
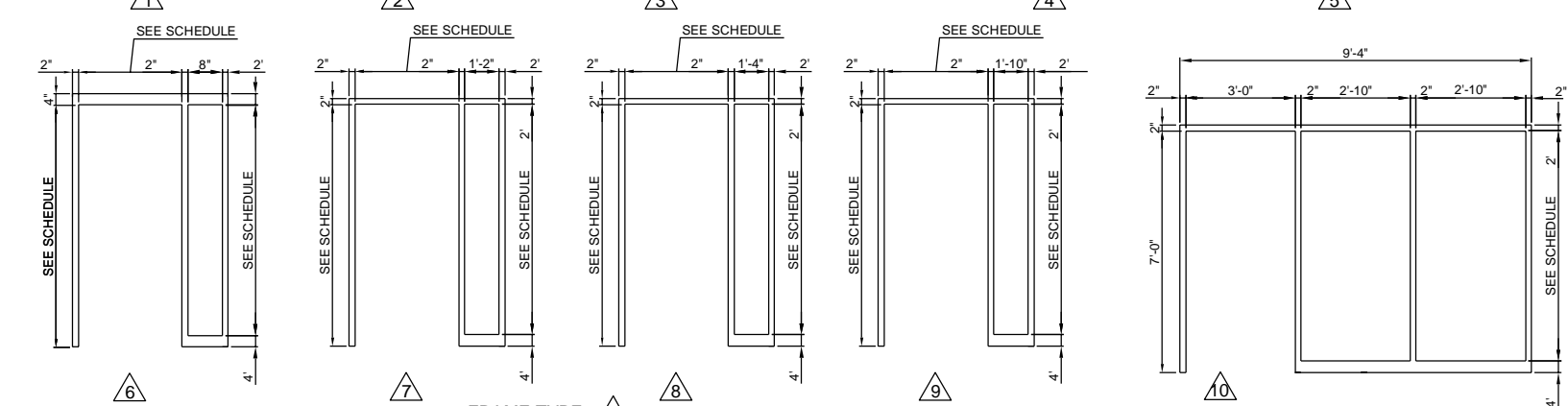
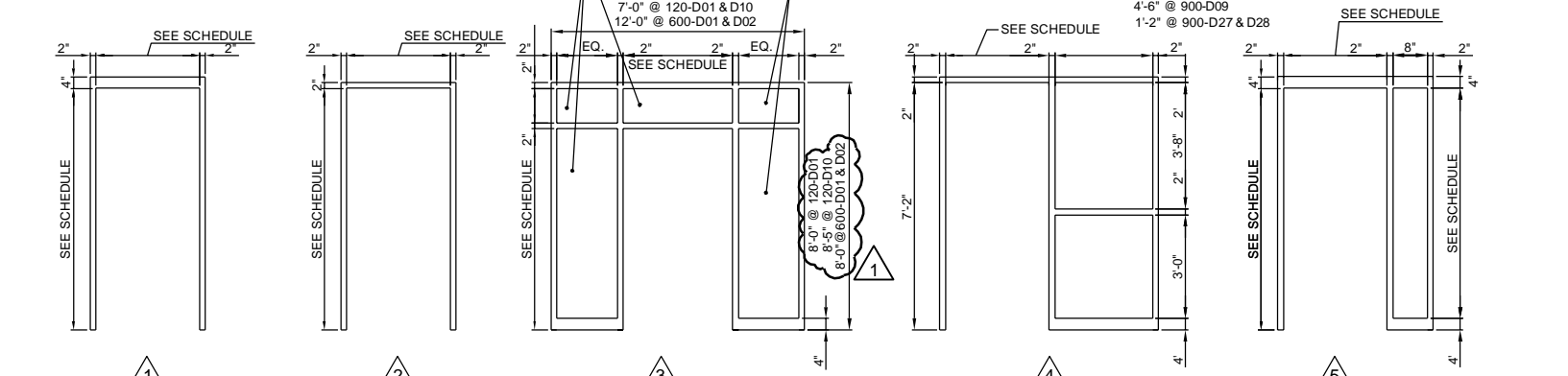
900	D31	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	3	8	GHM	PNT	G2 GLASS
	D32	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	3	9	GHM	PNT	G2 GLASS
	D33	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	14	9	GHM	PNT	G2 GLASS
	D34	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	2	10	GHM	PNT	G2 GLASS
	D35	3	-	3'-0"X7'-0"	1-3/4"	WD	ST	14	9	GHM	PNT	G2 GLASS

KEY
 AL = ALUMINUM
 GHM = GALVANIZED HOLLOW METAL
 EXST = EXISTING
 FRP = FIBERGLASS REINFORCED PLASTIC
 PNT = PAINT
 WD = WOOD
 ST = STAIN
 SS = STAINLESS STEEL
 * ALL ALUM AND HOLLOW METAL DOORS SHALL BE INSULATED.

FOOTNOTE
 1. EXISTING DOOR AND FRAME TO REMAIN-IN-PLACE. REMOVE EXISTING HARDWARE AND REPLACE WITH NEW HARDWARE TO MATCH EXISTING. EXISTING DOOR AND FRAME SHALL RECEIVE SURFACE PREPARATION AND PAINT FINISHES IN ACCORDANCE WITH SPECIFICATION SECTION 09 99 00.
 2. EXISTING DOOR AND FRAME TO REMAIN-IN-PLACE. REMOVE EXISTING HARDWARE AND REPLACE WITH NEW HARDWARE TO MATCH EXISTING.



DOOR TYPE= X



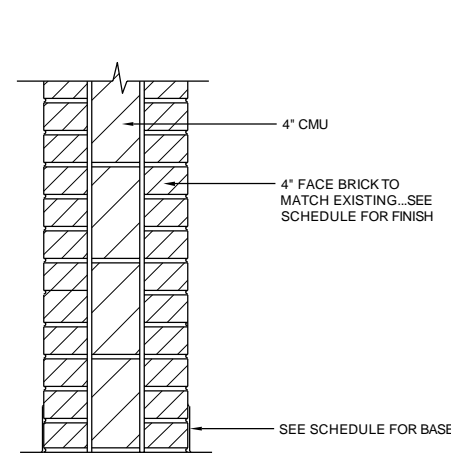
Date	12/21/2018
Checked By	TJB
Drawn By	SRW
Revision Number	01
Revision Description	ADDENDUM NO. 1
Designed By	SRW
Drawn By	SRW
Checked By	TJB
Approved By	TJB
Filename	999AD1.DWG
Project No.	13320
Project Date	DEC 2018

CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS

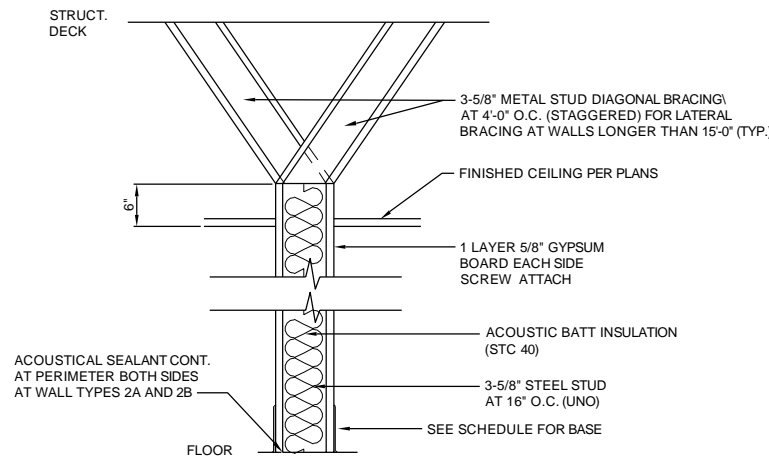
ARCHITECTURAL
DOOR AND WINDOW SCHEDULES

DONOHUE

Sheet No.	336
Drawing No.	999-A-3

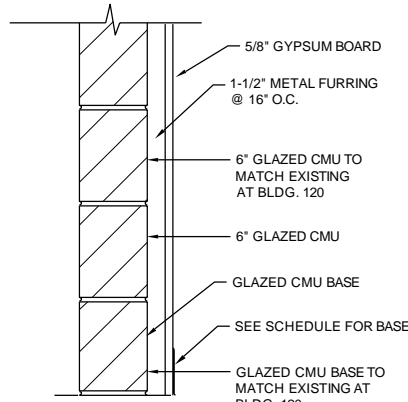


1



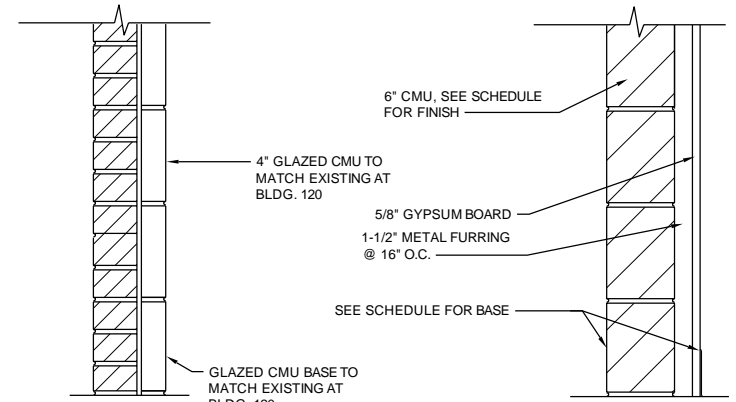
2

- 2A SOUND INSULATION (STC 40) (EXTEND WALL TO STRUCTURAL CEILING AT ROOM 104 AND ROOM 105)
- 2B CEMENTITIOUS BACKER BOARD TOILET RM. SIDE W/ ACOUSTIC BATT INSULATION (STC 40)
- 2C 6'-0" HIGH WALL SEE SECTION 17 DWG 120-AS-6



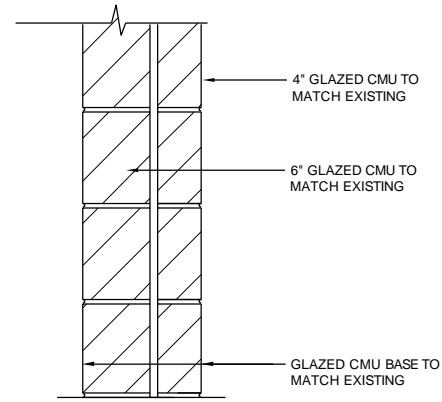
3

- 3A GLAZED CMU (ONE SIDE)
- 3B GLAZED CMU (BOTH SIDES)
- 3B GLAZED CMU TOILET RM. SIDE AND 1-1/2" METAL FURRING W/ 5/8" GYP. BD. ONE SIDE

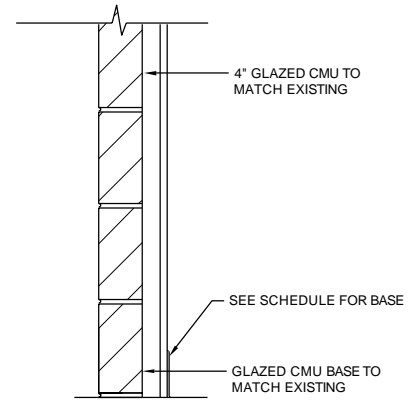


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5

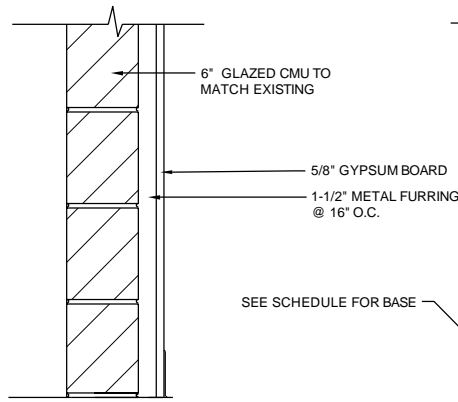


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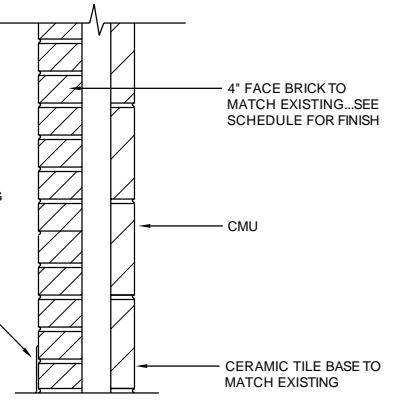


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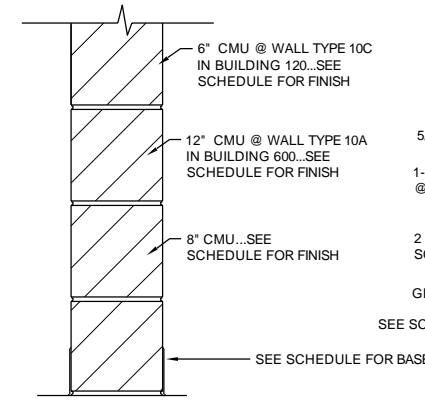
7A



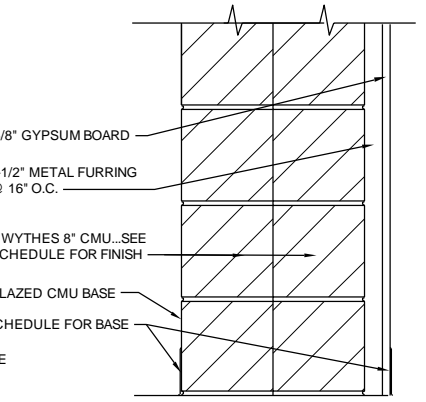
8



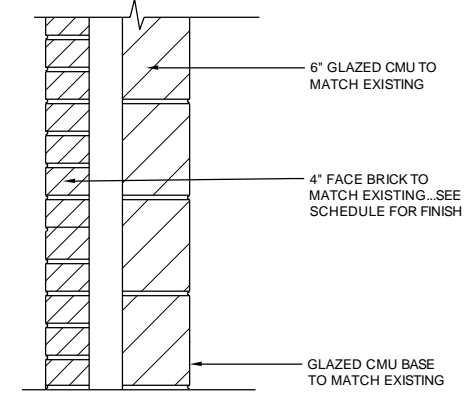
9



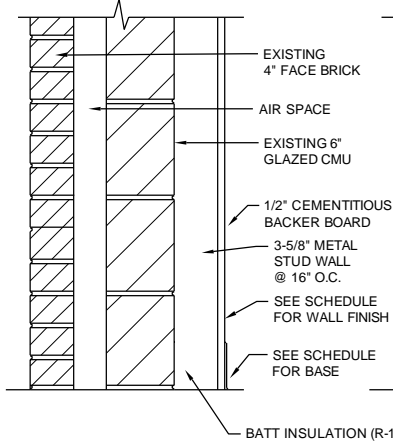
- 10 8" CMU
- 10A 12" CMU AT BLDG. 600
- 10B 6" CMU W/CERAMIC TILE BOTH SIDES
- 10C 4" CMU W/CERAMIC TILE ONE SIDES



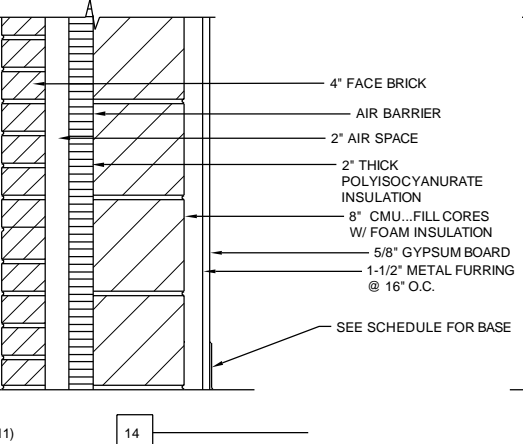
- 11 1-1/2" METAL FURRING W/ 5/8" GYP. BD. BOTH SIDES
- 11A
- 11B GLAZED CMU (ONE SIDE)



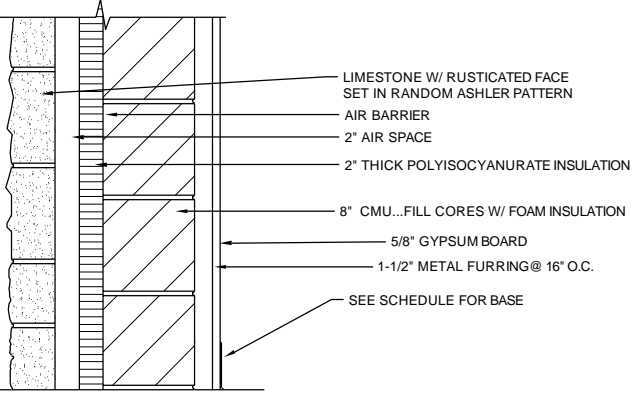
12



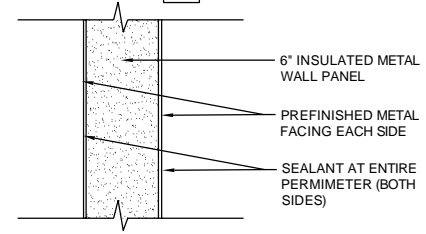
- 13 1 1/2" METAL FURRING @ 16" OC W/ 5/8" GYP. BD. ONE SIDE
- 13A



- 14 4" FACE BRICK
- 14A 1-1/2" METAL FURRING W/ 5/8" GYP. BD.
- 14B 8" GLAZED CMU



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Date	12/21/2018
Checked By	TJB
Drawn By	SRW
Revision Description	ADDENDUM NO. 1
Revision Number	01

Designed By	SRW
Drawn By	SRW
Checked By	TJB
Approved By	TJB
Filename	999AD1.DWG
Project No.	13320
Project Date	DEC 2018

**CITY OF JOLIET
EASTSIDE WASTEWATER TREATMENT PLANT
PHOSPHORUS REMOVAL PROJECT
JOLIET, ILLINOIS
ARCHITECTURAL
STANDARD DETAILS**



Sheet No.	338
Drawing No.	999-A-5