

ADDENDUM # 1
11/04/2022

RFP#22-75
FLOC DRIVE ROOM FLOOR DRAIN IMPROVEMENTS
ANN ARBOR WATER TREATMENT SERVICES UNIT

To all bidders: On behalf of the OWNER, this ADDENDUM to the Bidding Documents is issued to you by the Engineer for the Project described above.

A pre-bid conference was held on October 25, 2022. The information disclosed in the pre-bid conference is available in the Project Manual. Bidders are reminded that oral statements made at the pre-bid conference may not be relied upon and will not be binding or legally effective. Attendees at the pre-bid meeting are on the attached pages.

The following changes and/or clarifications shall be incorporated in the Bidding Documents of the Project and the cost, all inclusive, thereof shall be included in the associated amount shown on each Bidder's Proposal:

Changes to the Specifications

Item 1: Section 01 11 13. Delete Paragraph 1.02.C and replace with:

1.02.C. Suggested sequence for work is (work shall complete demonstration period by end of specified ranges):

April 15 through May 25, 2023. Cistern and drive units are likely to be inoperable during this duration.

Item 2: Section 22 13 30, Paragraph 3.03.B. Delete Line 8.

Changes to the Drawings

Item 1: Drawing P-101. Reissued in Addendum 1.

Item 2: Drawing P-201. Reissued in Addendum 1

Question and Answers

The following questions were asked and answers provided. Answers are provided for guidance only and do not modify the bidding documents.

Q1. Please clarify the safety requirements.

A1. Contractors will submit a safety plan and are responsible for complying with all federal and state safety regulations.

Q2. Can the successful bidder modify the suggested sequence of construction?

A2. The successful bidder may propose an alternate sequence for review.

Q3. Does the finished drain pipe need painting?

A3. No

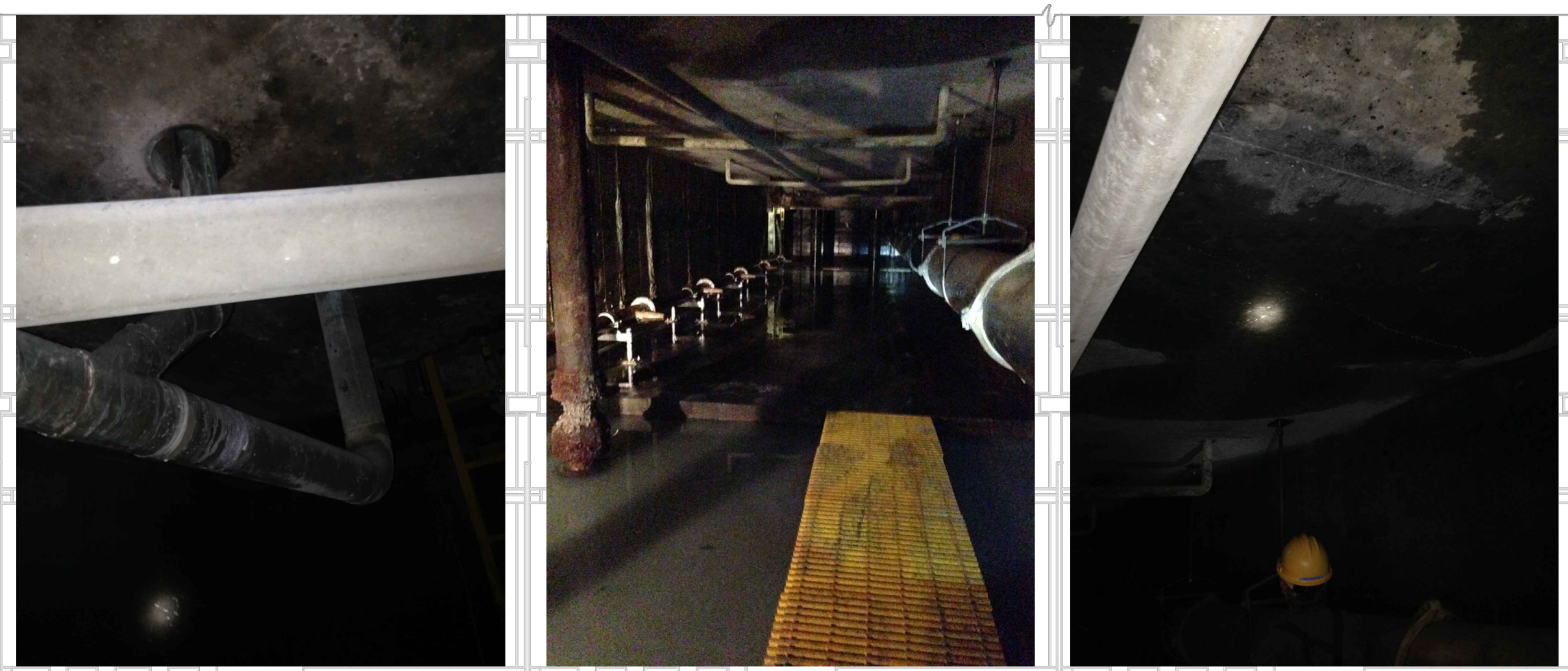
Q4. Are there known hazardous materials impacting this work?

A4. None are known

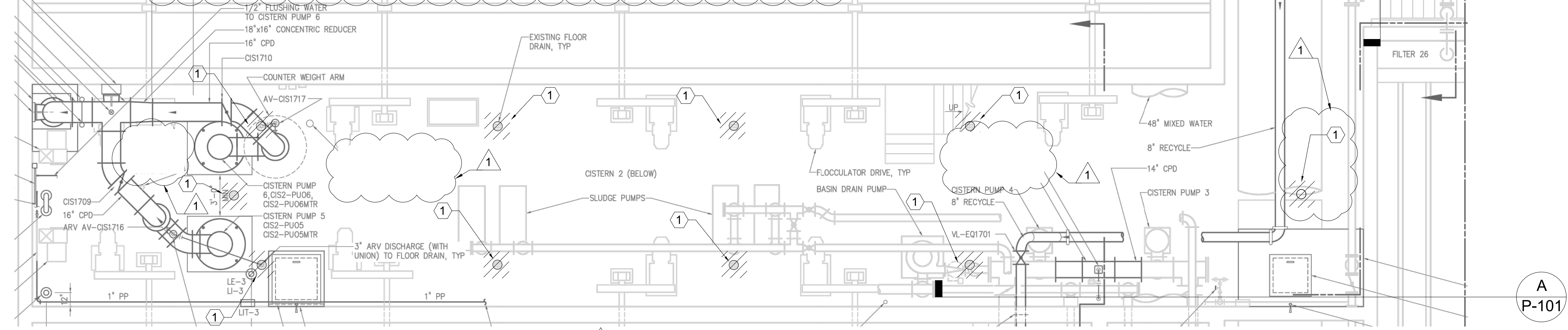
- Q5. Does the cistern need to be disinfected at conclusion of the work?
A5. The cistern needs general cleanup of construction debris but does not need to be disinfected.
- Q6. Can additional details of the cistern be provided?
A6. Additional photos have been included on reissued sheet.
- Q7. Is a temporary pump needed for the sump during installation of new pumps?
A7. Successful bidder shall sequence the sump pump demolition and installation of new pump to keep one pump in service throughout work.
- Q8. Can the successful bidder move the floor drain locations to accommodate construction method limitations?
A8. With prior approval of Engineer/Owner, floor drains may be moved up to 12 inches from their current locations. The Contractor will be responsible for ensuring the existing floor penetration is sealed and any floor modifications necessary to provide positive drainage that avoids pooling.
- Q9. What should contractor do if steel is found in floor while installing drain pipe between wall and sump?
A9. If Contractor runs into reinforcing steel during installation, they should do their best to chip out concrete around it and install drain pipe while avoiding damage to the steel. If cutting reinforcing steel cannot be avoided, this finding should be brought to the attention of the Engineer.

END OF ADDENDUM

11/2/2022 1:24:59 PM - N:\LOCAL\PROJECTS\ANN ARBOR\RIER\31537\200-31537-22006\CAD\SHEETFILES\SP-101 - PLUMBING DEMOLITION.DWG - JOHNSTON, JEFF



FLOOR DRAIN REF. PHOTO CISTERN REF. PHOTO CISTERN REF. PHOTO



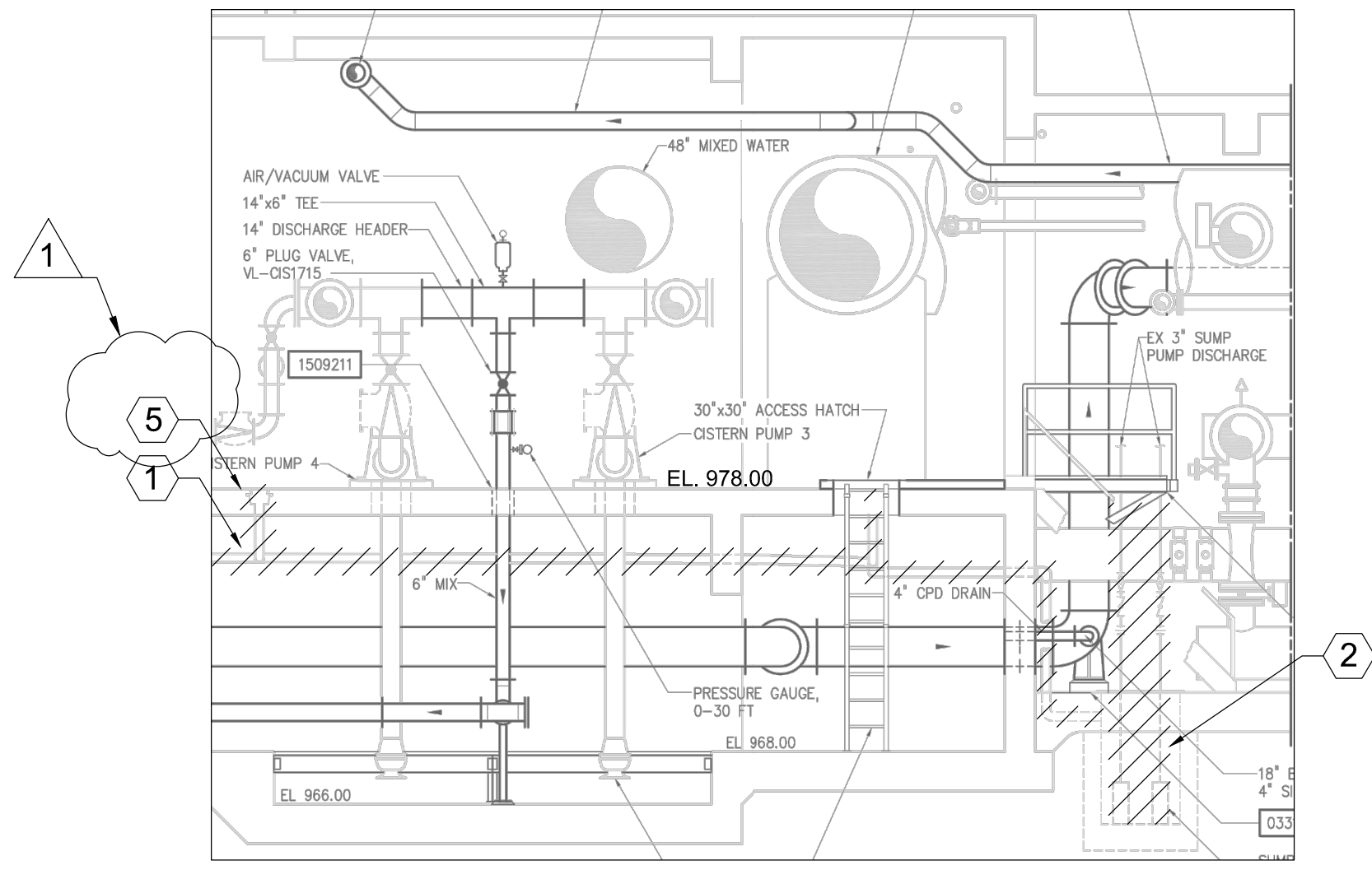
PLUMBING DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

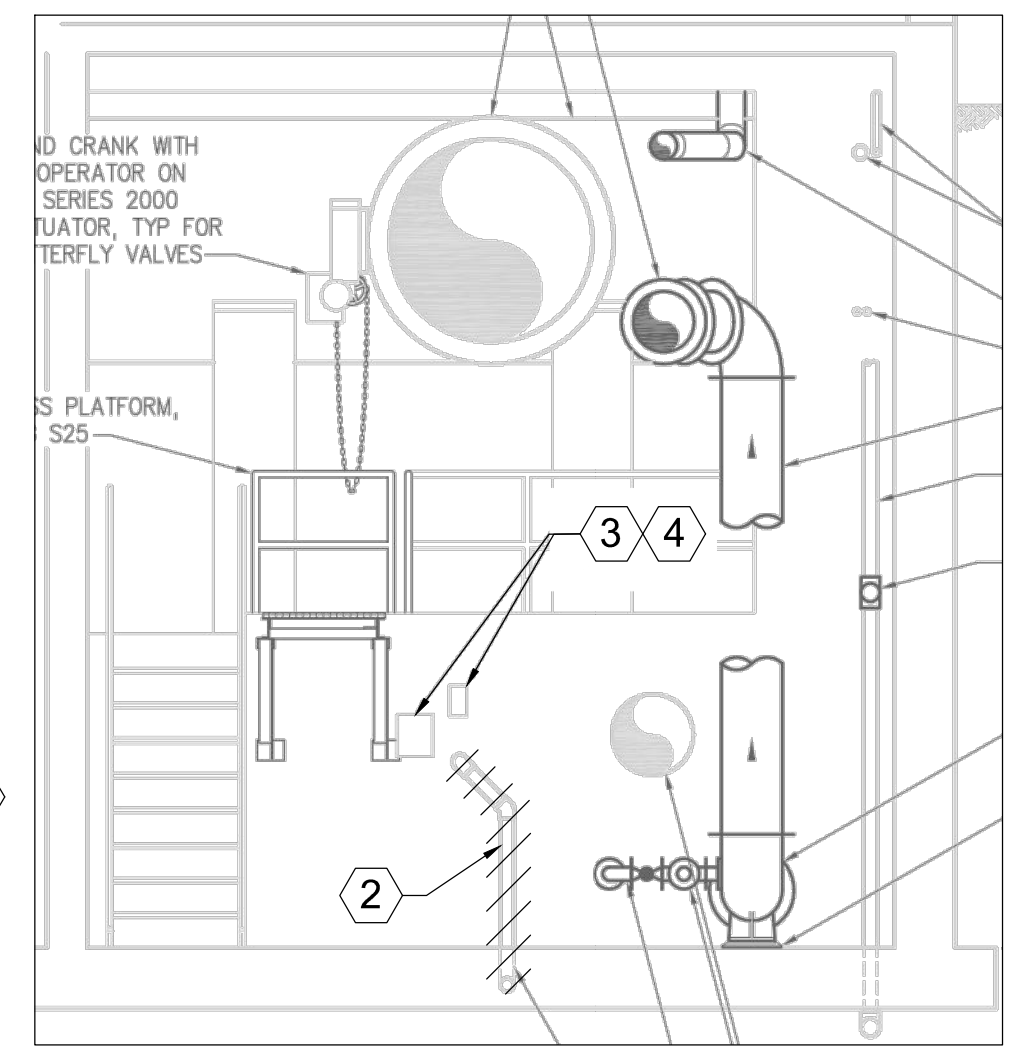
1. ALL SAW-CUTTING IS TO BE DONE WITH A WET SAW.
2. TAKE MEASURES TO PROTECT EXISTING PUMPS FROM DUST AND DEBRIS DURING CONSTRUCTION. PUMP MOTORS ARE TO BE COVERED WITH PLASTIC SHEETING WHILE SAW-CUTTING OR OTHER CONSTRUCTION ACTIVITIES ARE TAKING PLACE.

KEYNOTES:

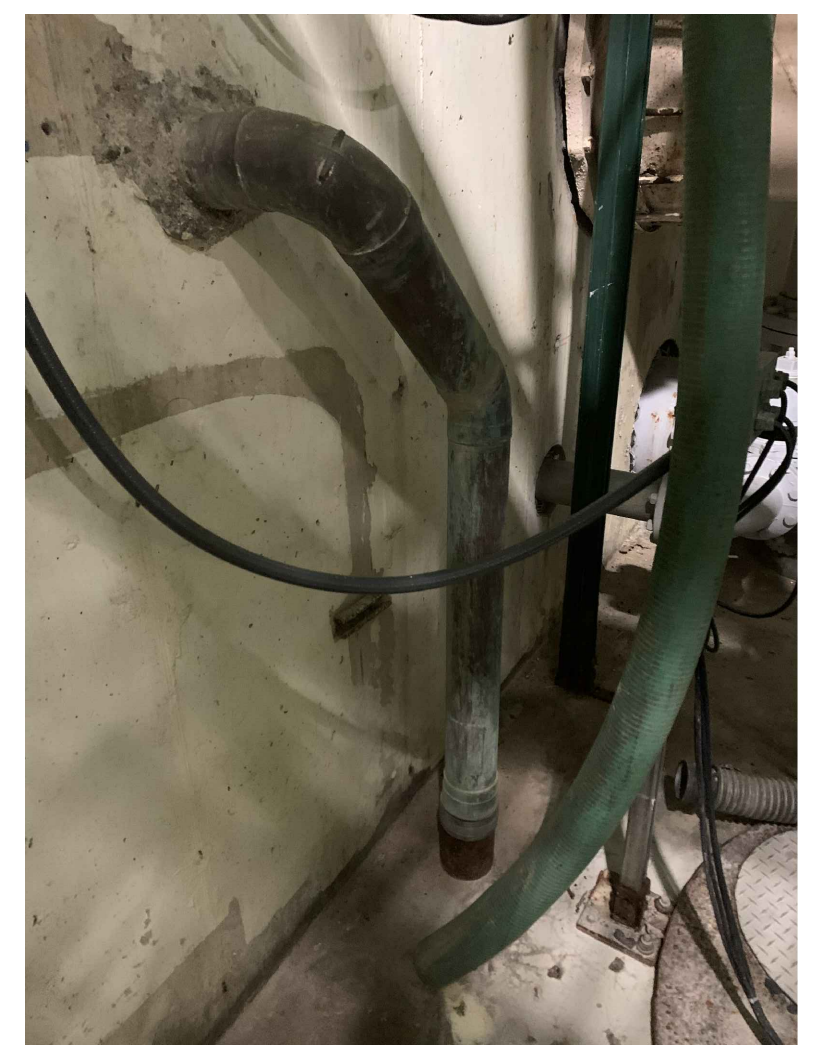
1. DEMOLISH AND REMOVE FLOOR DRAIN AND ALL ASSOCIATED SANITARY PIPING.
2. DEMOLISH DUPLEX SUMP PUMPS, SUMP BASIN LID, STRAINERS, AND GATE VALVES. DEMOLISH 4" DISCHARGE PIPING UP TO ELBOWS TOWARDS EAST WALL. SUMP BASIN AND CONTROLS TO REMAIN. SUMP PUMP SYSTEM IS FED FROM RED LP-H, CIRCUIT 39 AND 41 (240 VAC). PERFORM LOCKOUT/TAGOUT PRIOR TO DEMOLITION ACTIVITIES.
3. EXISTING JUNCTION BOX WITH FOUR (4) FLOAT CABLES SHALL REMAIN AS INSTALLED. TAKE CARE TO PROTECT WHILE DEMOLISHING PUMPS, VALVES, AND PIPING. TAKE NOTE OF FLOAT ELEVATIONS, THEN TEMPORARILY PULL OUT OF WAY.
4. EXISTING JUNCTION BOX WITH TWO (2) CABLES FROM THE PUMPS AND ONE (1) CABLE FROM THE FLOAT JUNCTION BOX SHALL REMAIN AS INSTALLED. DISCONNECT PUMP CABLES TO ALLOW FOR DEMOLITION OF PUMPS. TAKE CARE TO PROTECT THE JUNCTION BOX DURING DEMOLITION.
5. SLAB THICKNESS IS 12". VERIFY IN FIELD.



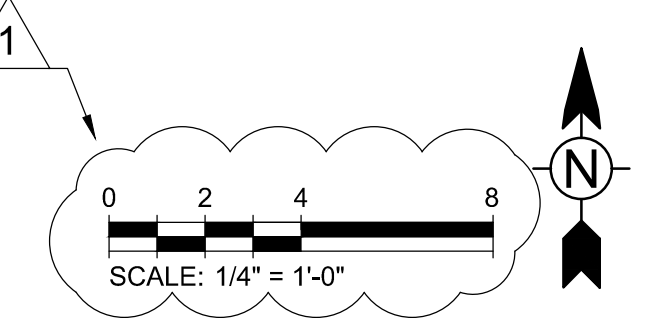
PLUMBING DEMOLITION SECTION A
SCALE: NTS



PLUMBING DEMOLITION SECTION B
SCALE: NTS



DRAIN PIPE REF. PHOTO



TETRA TECH

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MARK	DATE	DESCRIPTION	BY
1	11/07/22	BID ADDENDUM #1	JRJ

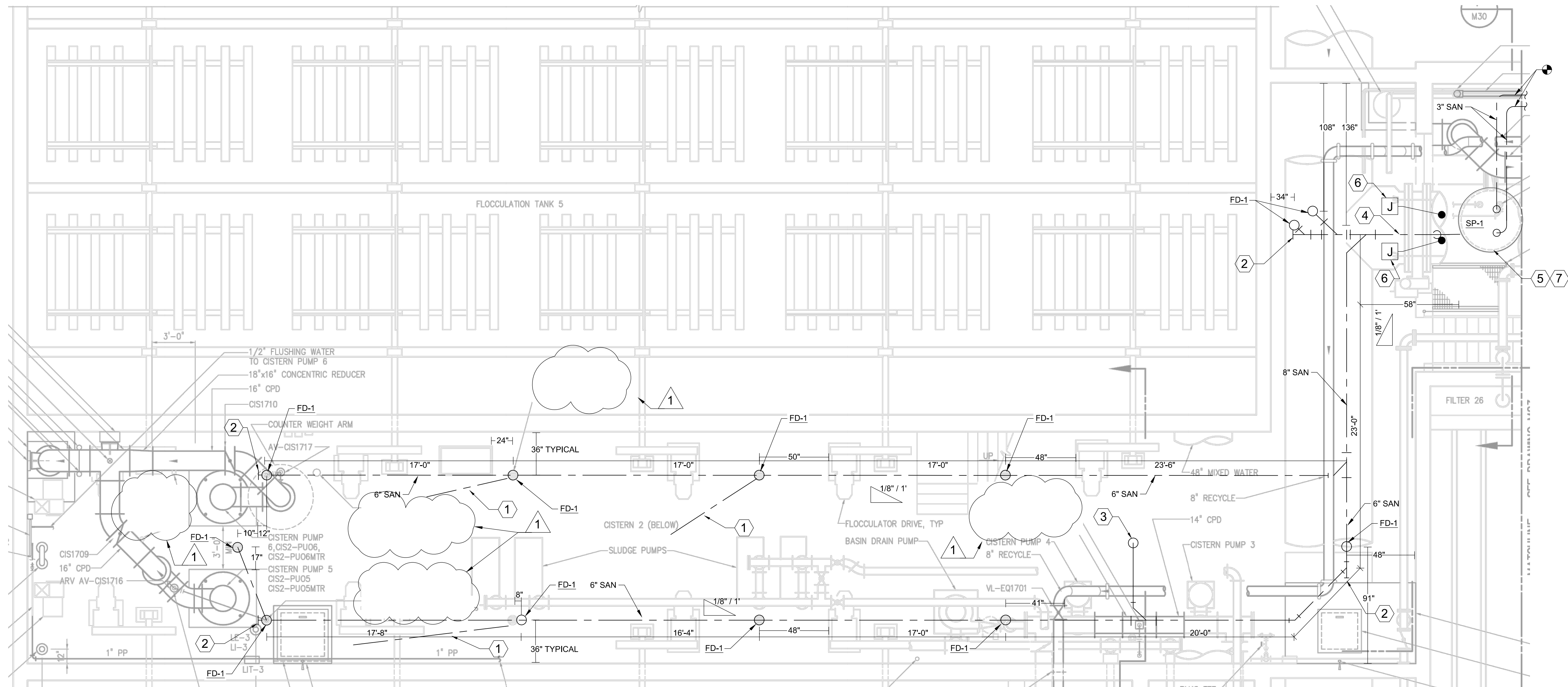
CITY OF ANN ARBOR, MICHIGAN
WATER TREATMENT PLANT FILTER
PIPE GALLERY BASEMENT
PLUMBING DEMOLITION

Project No.: 200-31537-22006
Designed By: JRJ
Drawn By: JRJ
Checked By: LER

P-101

Bar Measures 1 inch

11/2/2022 3:07:45 PM - N:\LOCAL\PROJECTS\ANN ARBOR\11537200-31537-22006\CAD\SHEETFILES\IP-201 - PLUMBING NEW WORK.DWG - JOHNSTON, JEFF



GENERAL NOTES:

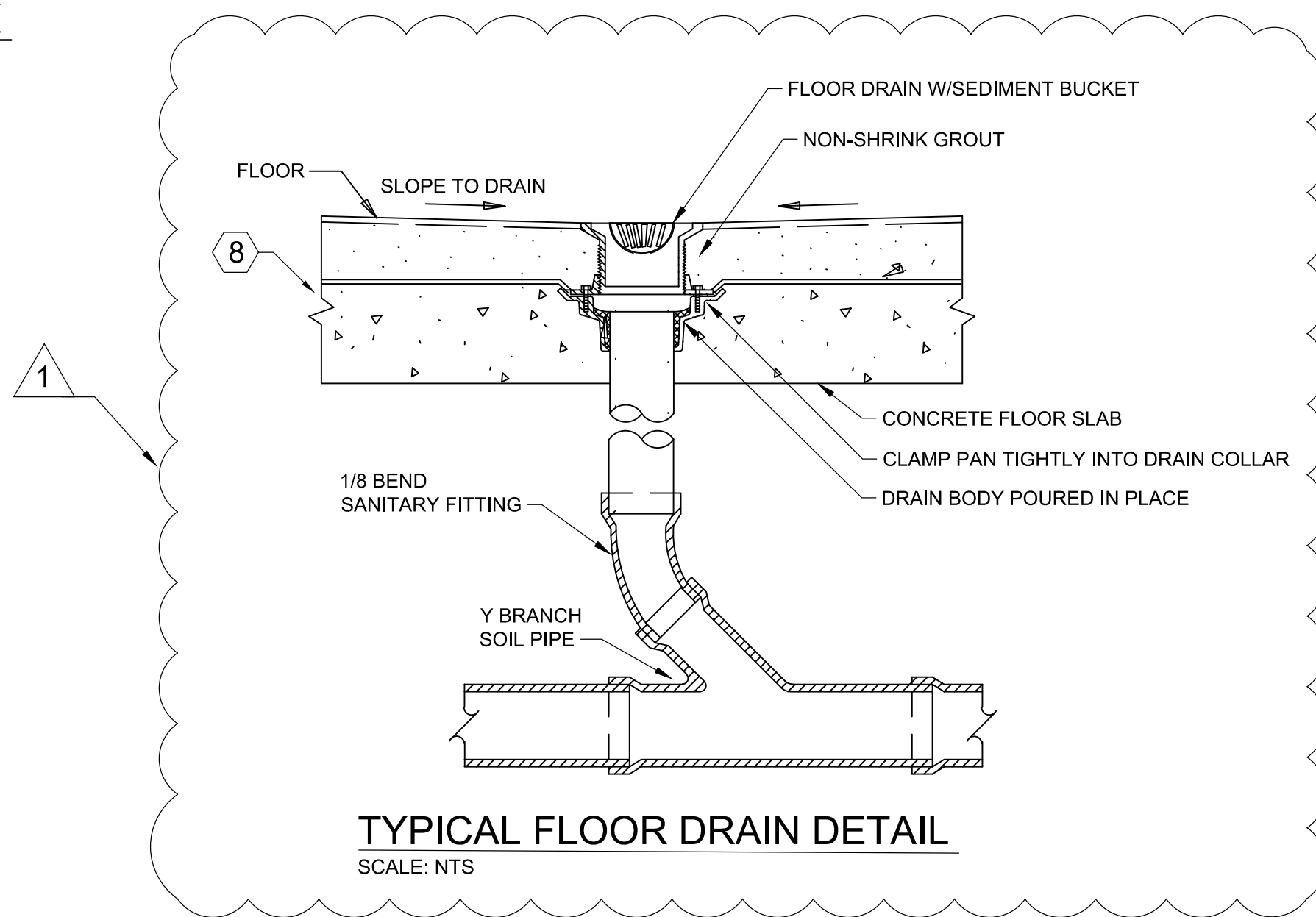
1. ALL SAW-CUTTING IS TO BE DONE WITH A WET SAW.
2. TAKE MEASURES TO PROTECT EXISTING PUMPS FROM DUST AND DEBRIS DURING CONSTRUCTION. PUMP MOTORS ARE TO BE COVERED WITH PLASTIC SHEETING WHILE SAW-CUTTING OR OTHER CONSTRUCTION ACTIVITIES ARE TAKING PLACE.
3. REPLACEMENT FLOOR DRAINS SHALL BE INSTALLED AT LOCATIONS OF EXISTING FLOOR DRAINS. SHOULD CONTRACTOR PROPOSE TO RELOCATE FLOOR DRAIN TO ACCOMMODATE A METHOD OF CONSTRUCTION, NEW LOCATION SHALL NEED APPROVAL OF ENGINEER AND CONTRACTOR WILL BE RESPONSIBLE FOR ANY FLOOR ALTERATIONS NEEDED TO ELIMINATE POOLING.
4. ALL DIMENSIONS ON DRAWING ARE APPROXIMATE AND ARE TO BE VERIFIED IN FIELD.

KEYNOTES:

1. SAWCUT 1/2" WIDE CHANNEL IN FLOOR FOR DRAINAGE. SLOPE CHANNEL DOWN TOWARD FLOOR DRAIN. VERIFY IN FIELD.
2. PROVIDE CLEANOUT BELOW SLAB.
3. SAWCUT FLOOR AND INSTALL NEW FLOOR DRAIN AT LOW POINT.
4. ROUTE 2" SANITARY PIPING TO EXISTING SUMP BASIN USING EXISTING WALL, FLOOR, AND BASIN PENETRATIONS. ENLARGE EXISTING PENETRATIONS TO ACCOMMODATE NEW DRAIN PIPING. PROVIDE MECHANICAL SLEEVE SEAL AT CISTERN WALL PENETRATION.
5. PROVIDE NEW DUPLEX SUMP PUMP AND STEEL BASIN LID (TOPP INDUSTRIES C48HSS OR EQUIV.) WITH ACCESS HATCH, 3" DISCHARGE, AND INSPECTION PORT FOR EXISTING BASIN. ROUTE 3" SCH. 80 PVC DISCHARGE PIPING AND CONNECT TO EXISTING PIPING. REINSTALL FLOATS TO NOTED HEIGHTS, PRIOR TO DEMOLITION, IN SUMP.
6. CONNECT SUMP PUMP POWER CABLES TO THE EXISTING JUNCTION BOX. TERMINATE WIRING TO MATCH DEMOLISHED UNITS. REPLACE CORD GRIPS ON JUNCTION BOX TO FIT PROVIDED MANUFACTURER CABLE ON SUMP PUMPS.
7. TURN POWER BACK ON TO SUMP PUMP SYSTEM. ADJUST PUMP PROTECTION SETTINGS ON EXISTING SYSTEM CONTROL PANEL TO MATCH NEW PUMPS. CONTROL PANEL IS A SJE RHOHMUS PUMP CONTROLLER. PERFORM OPERATIONAL TEST OF SYSTEM. VERIFY OPERATION OF SCADA ALARM FOR HIGH LEVEL IN SUMP.
8. TOTAL SLAB THICKNESS IS 12". VERIFY IN FIELD.

PLUMBING NEW WORK

SCALE: 1/4" = 1'-0"



TYPICAL FLOOR DRAIN DETAIL

SCALE: NTS



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MARK	DATE	DESCRIPTION	BY
1	11/07/22	BID ADDENDUM #1	JRJ

CITY OF ANN ARBOR, MICHIGAN
WATER TREATMENT PLANT FILTER
FLOOR DRAINS
**PIPE GALLERY BASEMENT
PLUMBING NEW WORK**

Project No.: 200-31537-22006
Designed By: JRJ
Drawn By: JRJ
Checked By: LER

P-201

Bar Measures 1 inch

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