CITY OF ANN ARBOR, MICHIGAN
PLANT #1 FLOCCULATION DRIVE ROOM
FLOOR DRAIN REPLACEMENT

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PROJECT DESCRIPTION / NOTES:
REPLACEMENT OF FLOOR DRAINS, DRAIN PIPING SERVING THE PLANT #1 FLOCCULATION DRIVE ROOM, AND DUPLEX SUMPS SERVING THE WEST FILTER GALLERY.

ISSUED:
ISSUED FOR BID - 10/07/22
PLUMBING DEMOLITION PLAN

GENERAL NOTES:
1. ALL CUTTINGS TO BE COVERED WITH 24" DEPTH RUBBAGE WASTE MATERIAL OR SIMILAR TO BE COVERED WITH PLASTIC SPOTTED WHILE DEMOLITING OR OTHER CONSTRUCTION ACTIVITIES ARE TAKING PLACE.

KEYNOTES:
1. DEPRESS 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.

PLUMBING DEMOLITION SECTION A

PLUMBING DEMOLITION SECTION B

DRAIN PIPE REF. PHOTO

SCALE: NTS

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GENERAL NOTES:
1. ALL SAW-CUTTING TO BE DONE WITH WET SAW.
2. TAKE MEASURES TO PROTECT EXISTING PUMPS FROM DUST AND DEBRIS DURING CONSTRUCTION.
3. PROTECT HOSES WHILE SAW-CUTTING OR OTHER CONSTRUCTION ACTIVITIES ARE IN PROGRESS.

KEYNOTES:
1. INSTALL 1/2" WIDE CHANNEL IN FLOOR FOR DRAINAGE. SLOPE CHANNEL DOWN TOWARD FLOOR DRAIN. VERIFY IN FIELD.
2. PROVIDE CLEANOUT BELOW SLAB.
3. SAW-CUT FLOOR AND INSTALL NEW FLOOR DRAIN AT LOW POINT.
4. ROUTE 8" 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 BASIN LID 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 ROHMBO PUMP CONTROLLER. PERFORM OPERATIONAL TEST OF SYSTEM. VERIFY SCADA ALARM FOR HIGH LEVEL IN SUMP.