NOTES:

1. FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS.
2. CONTRACTOR TO VERIFY EXISTING 12" BWW PIPE O.D.
3. PROVIDE ADDITIONAL PIPE SUPPORT MEMBERS AND ANCHORS AS REQUIRED TO SPAN FLOOR OPENING.
4. PROVIDE TWO 3/4" THICK SS FABRICATED FLANGE LUGS AND 3/4" DIA HARNESS RODS EPOXY ANCHORED INTO CONCRETE W/ 4" MIN EMBEDMENT FOR VALVE B.1.1. VALVE RESTRAINT REQUIRED TO KEEP EXISTING PIPE FROM MOVING IF PIPE NORTH OF VALVE IS NOT INSTALLED WHEN THE BACKWASH SYSTEM RETURNS TO SERVICE. LUGS TO ENGAGE MINIMUM 2 FLANGE BOLTS EACH.
GENERAL DEMOLITION NOTES:
1. DEMOLITION DRAWINGS MAY NOT SHOW ALL DEMOLITION WORK REQUIRED UNDER THIS CONTRACT. OTHER CONTRACT DRAWINGS MAY ALSO SHOW DEMOLITION WORK. CONSULT WITH THE CONTRACTOR REGARDING THIS ISSUE.
2. WHEN EQUIPMENT ITEMS ARE INDICATED FOR DEMOLITION, ALL NECESSARY ITEM SUPPORTING ITEMS AND SUPPORTS SHALL BE COMPLETELY REMOVED UNLESS INDICATED OTHERWISE.
3. WHEN PIPING ITEMS ARE INDICATED FOR DEMOLITION, ALL NECESSARY ITEMS SUPPORTING ITEMS AND SUPPORTS SHALL BE COMPLETELY REMOVED UNLESS INDICATED OTHERWISE.
4. WHEN ELECTRICAL ITEMS ARE INDICATED FOR DEMOLITION, ALL NECESSARY ITEMS SUPPORTING ITEMS AND SUPPORTS SHALL BE COMPLETELY REMOVED UNLESS INDICATED OTHERWISE.
5. REMOVAL OF THE REVISED CONSTRUCTION DRAWING MATERIALS WILL BE PROVIDED TO MATCH EXISTING FINISH UNLESS NOTED OTHERWISE.

Legend:
DENOTES DEMOLITION

Floor Door for Access to Cistern Below:
This is the only access. Hatch door size is 3'-8" x 3'-2". Clear opening is 3'-6". Field可根据实际情况调整尺寸. Contractor shall plan on removing the demolished pipe and equipment through this hatch and lowering new piping in through hatch. Refer to Section 01110 for more information.
GENERAL CONSTRUCTION NOTES:

1. ITEMS SHOWN ON THE DRAWINGS ARE EXCLUDED FROM THE CONTRACT. ITEMS SHOWN ON THE DRAWINGS ARE SUBJECT TO CHANGE WITHOUT NOTICED TO CONTRACTOR UNLESS SPECIFIED ON THE DRAWINGS.

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NOTES:

BASE BSD NOTES
1. DEMOLISH FLOW CONTROL VALVE, VENTURI TUBE, DIFFERENTIAL PRESSURE SENSOR AND ASSOCIATED SENSING TUBING.
2. DEMOLISH POWER AND CONTROL WIRE BACK TO SOURCE. DEMOLISH CONDUIT BACK TO FIRST CONDUIT AT WALL OR CEILING. PROVIDE 1/4" L.S. IN CONDUIT AND CUP WITH SCREW IN PLUG.

ALTERNATE 1 NOTES
1. DISCONNECT CONDUIT AND WIRE FROM MOTOR AND PROTECT FOR RECONNECTION.
2. ONLY ONE PUMP MAY BE OUT OF SERVICE AT A TIME.

ALTERNATE 4 NOTES
1. DEMOLISH WIRE FROM MOTOR TO STARTER, AND FROM STARTER TO FEEDER BREAKER IN RED MCC1.
2. DEMOLISH WALL MOUNTED STARTER AND CAPACITOR FOR BACKWASH PUMP #2 AND TURN OVER TO OWNER. SAVE CONDUITS FOR REUSE ON PROPOSED REPLACEMENT STARTER.
3. DEMOLISH MCC MOUNTED STARTER AND POWER FACTOR CORRECTION CAPACITOR FOR BACKWASH PUMP #1.
4. DEMOLISH WIRE FROM BACKWASH PUMP #1 TO STARTER IN MCC. SAVE CONDUITS FOR REUSE ON PROPOSED REPLACEMENT STARTER.
5. ONLY ONE PUMP MAY BE OUT OF SERVICE AT A TIME.
NOTES:

BASE BD NOTES
1. INSTALL FLOW CONTROL VALVES AND MAGMETERS ON THE EFFLUENT PIPING OF THE TWO BACKWASH PUMPS AS SHOWN. BACKWASH PUMP 1 PIPING IS LOCATED ON THE PUMP FLOOR. BACKWASH PUMP 2 PIPING IS LOCATED FLOOR BELOW.
2. PROVIDE TWO (2) 15 AMP. CIRCUIT BREAKERS IN THE EXISTING 480 VOLT PANELBOARDS ON THE PUMP FLOOR. UTILIZE FREE SPACE IN EITHER PANELBOARD PP-20 OR 480V LP. BREAKERS SHALL HAVE A 22 KAIC SHORT CIRCUIT RATING MINIMUM.
3. PROVIDE CONTROL CONDUITS BETWEEN VALVES AND METERS BACK TO PLC-F3 LOCATED MIDWAY DOWN THE FILTER GALLERY ON THE OPERATING FLOOR. FIELD VERIFY EXACT LOCATION.

ALTERNATE 1 NOTES
1. RECONNECT THE WIRE AND CONDUITS TO MOTOR AFTER REINSTALLATION OF REBUILT PUMPS.
2. PROVIDE NEW COMBINATION STARTERS FOR BACKWASH PUMPS 1 AND 2. STARTERS SHALL BE INSTALLED IN MCC-2, THE EXISTING 480V MCC located on the Filter Gallery Floor. STARTER SHALL HAVE THE SAME SHORT CIRCUIT RATINGS AS THE MCC. OCPD SHALL BE SIZED PER CODE.
3. PROVIDE NEW 20 kVAR POWER FACTOR CORRECTION CAPACITORS FOR EACH BACKWASH PUMP STATER IN MCC-2.
4. PROVIDE NEW 3#2/0, 1#6, 2#14 IN EXISTING CONDUITS FROM MOTOR TO STARTER, TO ASSOCIATED MCC FEEDER BREAKER (TYPICAL OF 2). PROVIDE 10#14 FROM STARTER TO PLC-F3 IN EXISTING CONDUITS (TYPICAL OF 2).

SCALE: 1 1/2" = 1'-0"
EXISTING DRAWING FROM PREVIOUS PROJECT.
PROPOSED WORK SHOWN BOLD, CROSSHATCHED, AND/OR CIRCLED.
EXISTING DRAWING FROM PREVIOUS PROJECT. PROPOSED WORK SHOWN BOLD, CROSSHATCHED, AND/OR CIRCLED.