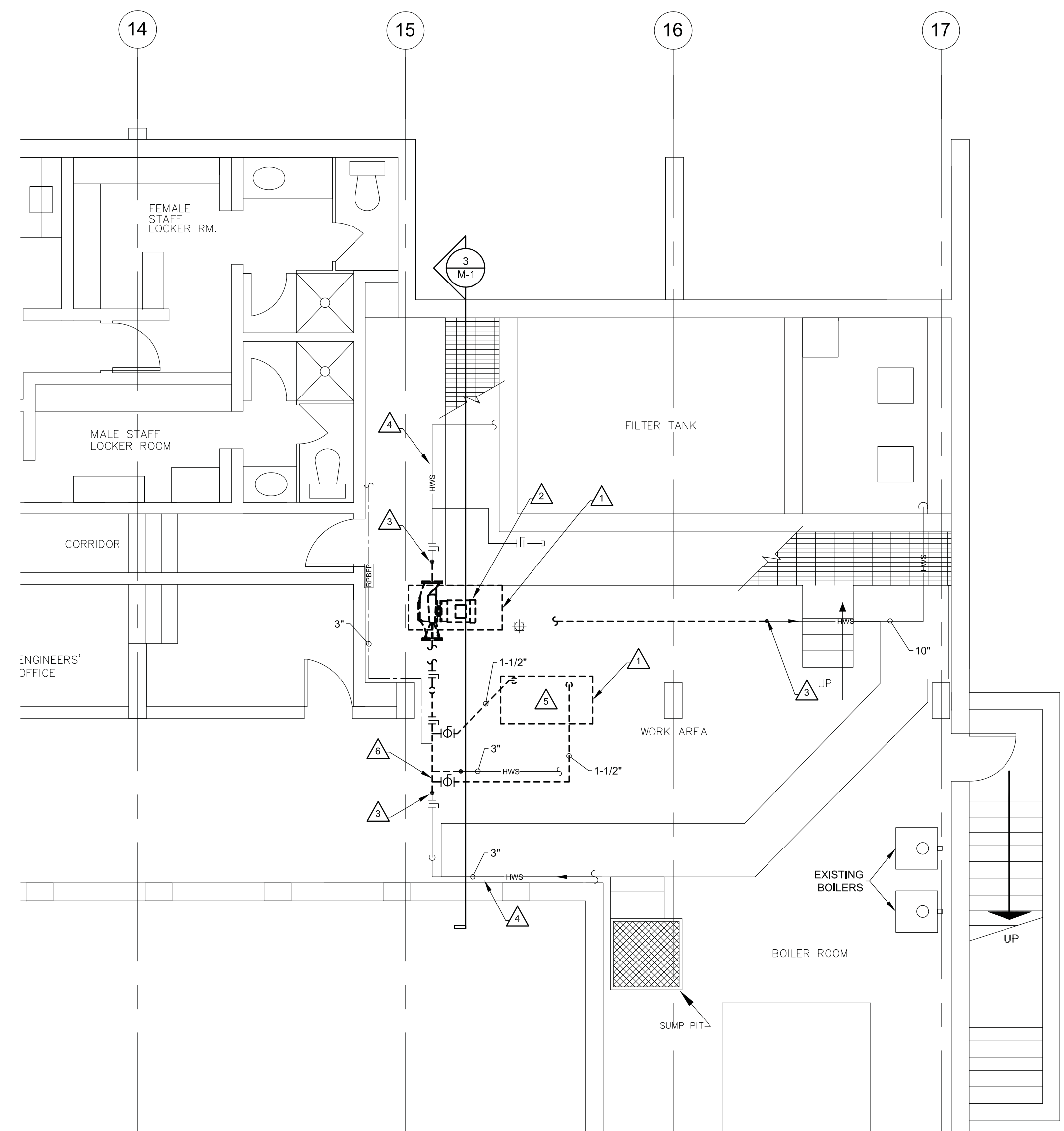
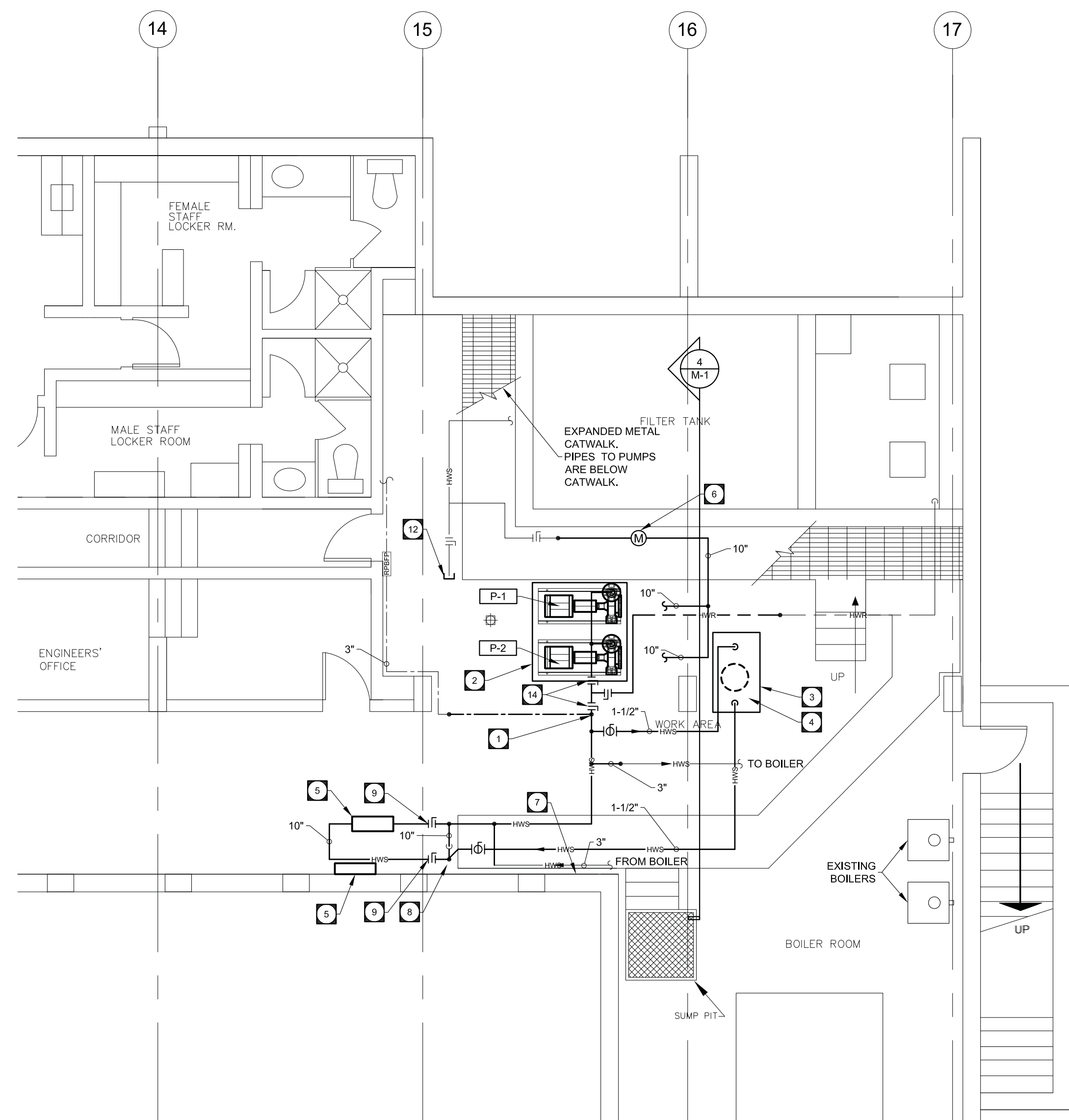


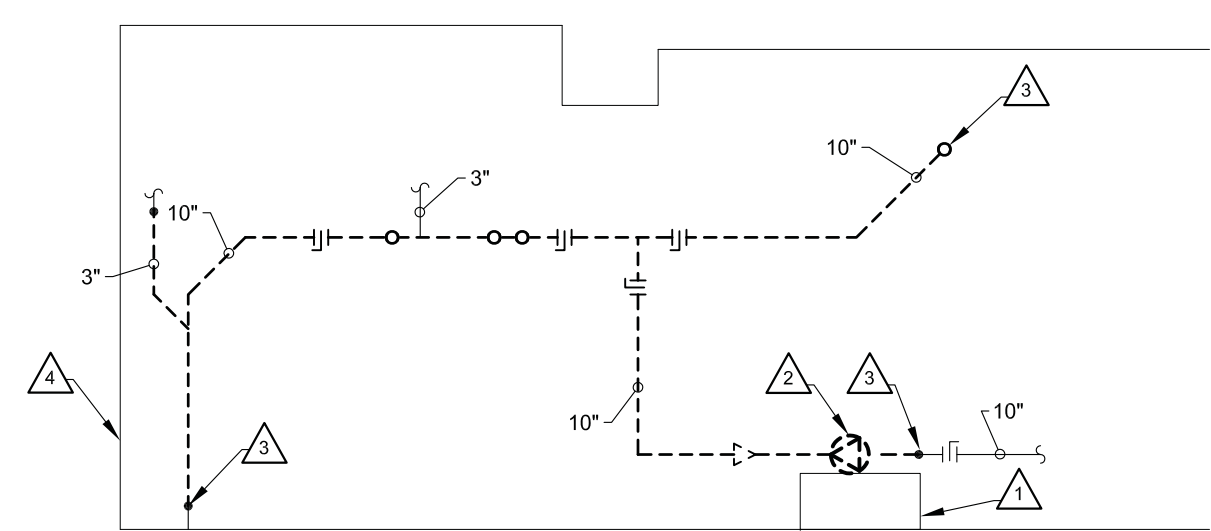
FILE NAME: DATE: 2011.05.10 DESCRIPTION: PROJECT No: 436-2011 ADDRESS: 444 ADSUM DRIVE



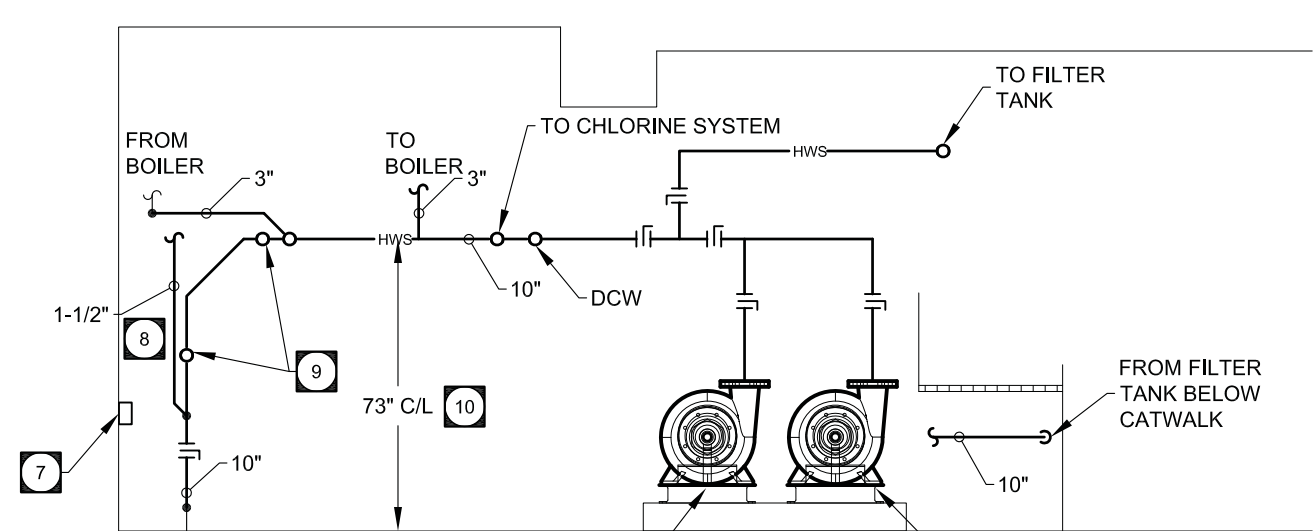
1 MECHANICAL ROOM PLAN - DEMO
M-1 SCALE: 3/16" = 1' - 0"



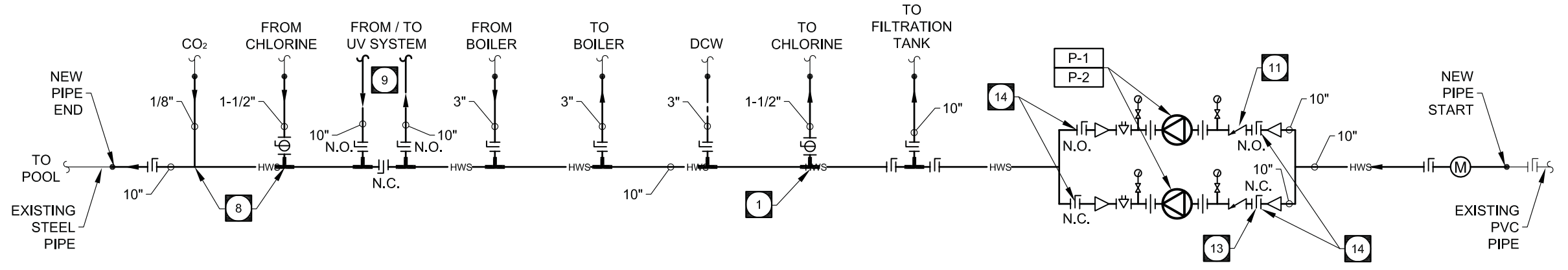
2 MECHANICAL ROOM PLAN - RENO
M-1 SCALE: 3/16" = 1' - 0"



3 MECHANICAL ROOM SECTION - DEMO
M-1 SCALE: 1/4" = 1' - 0"



4 MECHANICAL ROOM SECTION - RENO
M-1 SCALE: 1/4" = 1' - 0"



5 PIPING SCHEMATIC
M-1 SCALE: N.T.S.

GENERAL NOTES

- ALL NEW PIPING TO BE PVC, CERTIFIED FOR USE WITH POOL WATER.
- ALL NEW HANGERS ON NEW PIPE, CONNECT TO UNDERSIDE OF STRUCTURE.
- PROVIDE COUPLINGS BETWEEN STEEL AND PVC PIPE WHERE CONNECTIONS ARE MADE TO EXISTING SYSTEM.

DEMOLITION NOTES

- 1 DEMOLISH HOUSEKEEPING PAD, PATCH AND REPAIR TO MAKE LEVEL WITH SURROUNDING FLOOR.
- 2 REMOVE EXISTING PUMP AND MOTOR, DISCONNECT PRESSURE SWITCH AND REMOVE WIRING AS PER ELECTRICAL, COORDINATE REMOVAL WITH ELECTRICAL CONTRACTOR.
- 3 DEMOLISH PIPES, HANGERS, VALVES AND FITTINGS ON POOL SUPPLY AND RETURN BETWEEN NOTED POINTS.
- 4 REMOVE EXISTING FLOW METER AND ASSOCIATED PIPING.
- 5 DISCONNECT CHLORINATION SYSTEM AND STORE FOR RECONNECTION IN RENOVATION PHASE.
- 6 1/8" CO. GAS LINE TO BE DISCONNECTED DURING DEMOLITION.

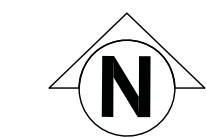
KEY NOTES

- 1 RECONNECT DCW, HWS, HWR AND CHLORINE SUPPLY TO NEW SUPPLY HEADER WITH TEES.
- 2 NEW PAD FOR TWINNED PUMP SET, HEIGHT OF PUMPS TO BE SUCH THAT CIL OF PUMP SUCTION IS IN LINE WITH CURRENT CIL OF PIPE FROM FILTER TANK.
- 3 NEW PAD FOR CHLORINE SYSTEM, 4" THICK.
- 4 RELOCATE CHLORINE SYSTEM, ENSURE PIPES DO NOT INTERFERE WITH NEW PIPES AND WALKWAYS.
- 5 NEW UV SYSTEM, DIV 16 TO WIRE CONTROL PANEL TO POWER.
- 6 NEW FLOW METER.
- 7 NEW DIGITAL FLOW METER DISPLAY, USE LOCAL POWER SUPPLY FOR METER.
- 8 CONNECT CHLORINE RETURN PIPING AND CO2 DOWNSTREAM FROM UV TAKEOFF AND CONNECTION TO BOILER RETURN, UPSTREAM OF SYSTEM SHUT-OFF VALVE.
- 9 PROVIDE TEES AND SHUT OFF VALVES, PIPING TO UV FILTER.
- 10 CENTRE LINE OF HEADER TO BE 73" A.F.F. AS SHOWN.
- 11 CHECK VALVE AND CIRCUIT SETTER TO BE PUMP SUCTION SIZE, PROVIDE CONCENTRIC REDUCER UPSTREAM OF CIRCUIT SETTER.
- 12 NEW PVC CAP.
- 13 ONE SET OF PUMP VALVES TO BE N.C. MANUAL CHANGE OVER BY USER.
- 14 VALVES TO BE GANG OPERATED, WHILE ONE VALVE IS N.C. THE OTHER IS N.O. INSTALL MECHANICAL LINKAGE OR CHAIN OPERATION ON VALVES, COORDINATE COMPONENTS WITH SUPPLIER, PROVIDE DRAWINGS OF PROPOSED GANG OPERATION PRIOR TO ORDER.



APEGM
Certificate of Authorization
Epp Siepman Engineering Inc.
No. 4035 Date: 2011.06.03

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LINE TYPE

---	DOMESTIC COLD WATER
---	DOMESTIC COLD WATER - EXISTING
---HWS---	HEATED POOL WATER - NEW
---HWS---	HEATED POOL WATER - EXISTING
---HWS---	HEATED POOL WATER - TO BE REMOVED

SYMBOLS

	SHUT-OFF VALVE
	CHECK VALVE
	CONCENTRIC REDUCER
	PRESSURE REDUCING VALVE
	TEE
	BALL VALVE
	CALIBRATED BALANCING VALVE
	BUTTERFLY VALVE
	UNION
	FLANGE
	STRAINER
	REVERSE PRESSURE BACK FLOW PREVENTER
	DIRECTION OF FLOW
	PRESSURE GAUGE
	PUMP
	WATER METER
	PIPE RISE
	PIPE DROP
	FIXTURE TAG
	GENERAL NOTE
	DEMOLITION NOTE
	DRAWING HEADER

3	ADDENDUM #1	DE	11.06.03
2	RE-ISSUED FOR TENDER	DE	11.05.19
1	ISSUED FOR TENDER	DE	11.05.10

NO.	REVISION/DESCRIPTION	BY	DATE
SEALS			

DRAWN BY	DK	CHECKED BY	APPROVED
DATE	2011.05.10	USER	APPROVAL

CITY OF WINNIPEG
PLANNING, PROPERTY AND
DEVELOPMENT DEPARTMENT
CIVIC ACCOMMODATIONS DIVISION
300 - 65 GARRY ST. R3C 4K4

PROJECT
SEVEN OAKS POOL
PUMP REPLACEMENT

444 ADSUM DRIVE
SHEET TITLE

MECHANICAL ROOM
PLAN AND SECTIONS

SCALE	PROJECT NO.	SHEET NO.
AS NOTED	436-2011	M-1

DRAWING SHEET SIZE: A1 (841mm x 594mm) PLOT 1:1