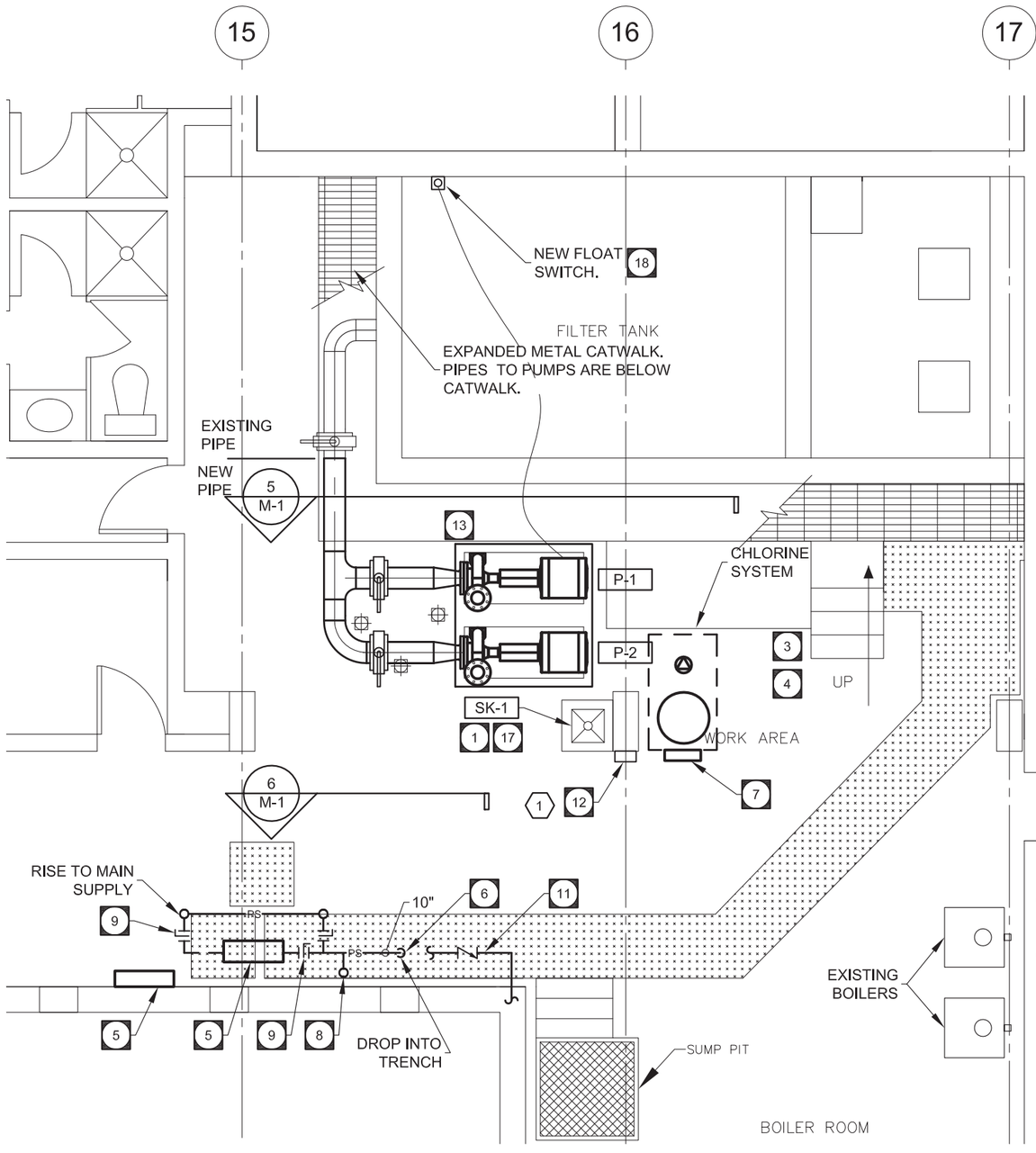

1 / M-2 MECHANICAL ROOM PLAN LOW LEVEL- RENOVATION

SCALE: 3/16" = 1' - 0"

N

GENERAL NOTES

- ALL NEW PIPING TO BE SCH. 80 PVC, CERTIFIED FOR USE WITH POOL WATER.

- INSTALL ALL NEW HANGERS ON NEW AND RELOCATED PIPE. CONNECT TO UNDERSIDE OF STRUCTURE.

- PROVIDE COUPLINGS BETWEEN STEEL AND PVC PIPE WHERE CONNECTIONS ARE MADE TO EXISTING SYSTEM.

- KEY NOTES ON M-2 ARE REFERENCED ON ALL DRAWING PAGES.

KEY NOTES (#)

1. RECONNECT DCW, HWS, HWR AND CHLORINE SUPPLY TO NEW 10" SUPPLY HEADER WITH TEES.
2. NEW CONCRETE PADS FOR DUPLEX PUMP SET. SET PAD HEIGHT SO THAT THE C/L OF PUMP SUCTION IS IN LINE WITH CURRENT C/L OF PIPE FROM FILTER TANK. PUMPS SHALL BE GROUTED IN PLACE ONCE INSTALLED AND ALIGNED.
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. LOCATE TO ENSURE POOL LIGHTS ARE STILL ACCESSIBLE. DIV 16 TO WIRE CONTROL PANEL TO POWER, AND RELOCATE POOL LIGHT BALLAST IF NECESSARY.
6. NEW FLOW METER.
7. (1) MOUNT CHLORINE SYSTEM CONTROLS ON A UNISTRUT STAND ON TOP OF EQUIPMENT PAD. BRACE TO COLUMN.
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 ON PIPING TO AT UV FILTER.
10. CENTRELINE OF HEADER TO BE AS HIGH AS POSSIBLE ABOVE FLOOR (JUST UNDER MAIN BEAM). LOCATE VALVES AND FLANGES ON HIGH LEVEL PIPING TO MAXIMIZE HEAD CLEARANCE AT WALKWAY.
11. (1) NEW FULL-PORT CHECK VALVE. LOCATE ON 10" POOL SUPPLY PIPE IN CRAWLSPACE UNDER POOL. CONFIRM LOCATION ON SITE WITH OWNER.
12. (1) LOCATE FLOW METER DISPLAY ON FRONT OF COLUMN AS INDICATED. NEW DIGITAL FLOW METER DISPLAY. USE LOCAL POWER SUPPLY FOR METER.
13. ONE SET OF PUMP VALVES TO BE N/C. MANUAL CHANGE OVER BY USER.
14. VALVES TO BE OPERATED IN TANDEM BY MEANS OF RIGID LINK. WHILE ONE VALVE IS N.C. THE OTHER IS N.O. PROVIDE SHOP DRAWINGS OF PROPOSED VALVE OPERATION PRIOR TO ORDER. VALVES TO BE OPERATIONAL FROM THE CATWALK LEVEL.
15. PROVIDE LATERAL SUPPORTS AT EITHER END OF LONG RUN ON HW PIPE TO BOILERS. ENSURE PIPES CAN EXPAND IN LINEAR DIRECTION.
16. NEW BUTTERFLY VALVE. USE TO BALANCE BRANCH FLOW TO POOL HEATING SYSTEM.
17. RELOCATE SINK. RELOCATE PIPING TO SUIT NEW LOCATION. DRAIN IN SIMILAR FASHION TO ORIGINAL LOCATION.
18. MOUNT FLOAT SENSOR ON THE FILTER TANK CONCRETE WALL WITH ALL SS HARDWARE. HIGH FLOAT TO TRIGGER ALARM THROUGH REMOTE ALARM MONITORING SYSTEM. LOW FLOAT TO INTERLOCK TO THE PUMPS VIA RELAY AND SHUT PUMP OFF.

PROVINCE OF MANITOBA
12-04-11
D. A. EPP
Member
10097
REGISTERED PROFESSIONAL ENGINEER

APEGM
Certificate of Authorization
Epp Siepman Engineering Inc.
No. 4035 Date: 12.04.11

NO.	REVISION/DESCRIPTION	BY	DATE
(1) 1	ADDENDUM 1	DE	12.04.12
0	FOR CONSTRUCTION	DE	12.04.05

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DATE	2012.04.04	USER APPROVAL	

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CITY OF WINNIPEG
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CIVIC ACCOMMODATIONS DIVISION
300 – 65 GARRY ST. R3C 4K4

PROJECT
ULTRAVIOLET SYSTEM AND PUMP UPGRADES
909 CONCORDIA AVE.

SHEET TITLE
RENOVATION LOW LEVEL

SCALE	PROJECT NO.	SHEET NO.
AS SHOWN	118-2012	M-2 R1