



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



GENERAL NOTES

- ALL NEW PIPING TO BE 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. 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 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. CHECK VALVE AND CIRCUIT SETTER TO BE PUMP SUCTION SIZE. PROVIDE CONCENTRIC REDUCER UPSTREAM OF CIRCUIT SETTER.
12. LOCATE FLOW METER DISPLAY ON COLUMN AS INDICATED.
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.
19. NEW FULL-PORT CHECK VALVE. LOCATE ON 10" POOL SUPPLY PIPE IN TRENCH. CONFIRM LOCATION ON SITE WITH OWNER.

| NO. | REVISION/DESCRIPTION | BY | DATE |
|-----|----------------------|----|----------|
| 0 | FOR CONSTRUCTION | DE | 12.04.04 |

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| DATE | 2012.04.04 | USER APPROVAL | |

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 CITY OF WINNIPEG
 PLANNING, PROPERTY AND
 DEVELOPMENT DEPARTMENT
 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 |