EXISTING FILTER EQUIPMENT LAYOUT

KEY NOTES:
1. REMOVE AND DISPOSE OF EXISTING HI-RATE SAND FILTER
2. REMOVE AND DISPOSE OF EXISTING FILTER FACE PIPING
3. DISCONNECT EXISTING FILTER FACE PIPING FROM EXISTING 6" FILTERED WATER SUPPLY PIPE
4. REMOVE AND DISPOSE OF EXISTING FILTER FACE PIPING FROM EXISTING 6" FILTERED WATER SUPPLY Pipe
5. REMOVE AND DISPOSE OF EXISTING BACKWASH PIPE
6. REMOVE AND DISPOSE OF EXISTING BACKWASH PIPE
7. REMOVE AND DISPOSE OF EXISTING BACKWASH PIPE
8. REMOVE AND DISPOSE OF EXISTING BACKWASH PIPE
9. DISCONNECT EXISTING FILTER FACE PIPING FROM EXISTING 6" FILTERED WATER SUPPLY PIPE
10. REMOVE AND DISPOSE OF EXISTING 6" PUMP DISCHARGE PIPE
11. DISCONNECT EXISTING FILTER FACE PIPING FROM EXISTING 6" PUMP DISCHARGE PIPE
12. REMOVE AND DISPOSE OF EXISTING FILTERED WATER SUPPLY PIPE TO REMAIN
13. REMOVE AND DISPOSE OF EXISTING STAINLESS STEEL BACKWASH PIT EXTENSION COLLAR, CONCRETE BACKWASH PIT TO REMAIN
14. REMOVE AND DISPOSE OF EXISTING PUMP MOTOR STARTER AND DISCONNECT EXISTING HYDROTHERAPY POOL BACKWASH PIPE TO REMAIN

NOTES:
1. ALL EXISTING HEATER AND DEHUMIDIFIER INFUXENT AND EFFLUENT PIPES TO REMAIN
2. ALL EXISTING FILTER FACE PIPING AND THERMOMETERS TO REMAIN
3. ALL EXISTING CHEMICAL SYSTEMS TO REMAIN
4. ALL EXISTING WATER LEVEL CONTROLLER SYSTEMS TO REMAIN
5. ALL EXISTING FLOW METERS AND THERMOMETERS TO REMAIN
6. ALL EXISTING CHEMICAL SYSTEMS TO REMAIN
7. ALL EXISTING WATER LEVEL CONTROLLER SYSTEMS TO REMAIN
8. ALL EXISTING FILTER FACE PIPING FROM EXISTING 6" FILTERED WATER SUPPLY PIPE TO REMAIN
9. REMOVE AND DISPOSE OF EXISTING FILLTATION PUMP AND MOTOR
10. REMOVE AND DISPOSE OF EXISTING PUMP MOTOR TO REMAIN
11. REMOVE AND DISPOSE OF EXISTING FILTRATION PUMP TO REMAIN
12. REMOVE AND DISPOSE OF EXISTING 6" PUMP DISCHARGE PIPE
13. REMOVE AND DISPOSE OF EXISTING STAINLESS STEEL BACKWASH PIT EXTENSION COLLAR, CONCRETE BACKWASH PIT TO REMAIN
14. REMOVE AND DISPOSE OF EXISTING PUMP MOTOR STARTER AND DISCONNECT EXISTING HYDROTHERAPY POOL BACKWASH PIPE TO REMAIN

SCALE: 1/2" = 1'-0"
PLUMBING NOTES:

1. ALL PLUMBING WORK, THROUGHOUT THE ENTIRE SWIMMING POOL PROJECT, SHALL COMPLY AND BE IN ACCORDANCE WITH THE ILLINOIS STATE PLUMBING CODE.

2. ALL PIPING TO BE SCHEDULE 80 PVC PIPE (ASTM D1785), UNLESS OTHERWISE SPECIFIED.

3. ALL PIPE FITTINGS TO BE SCHEDULE 80 PVC (ASTM D2467), UNLESS OTHERWISE SPECIFIED.

4. TRUE UNION BALL VALVES TO BE SCHEDULE 80 PVC (ASTM F1970), UNLESS OTHERWISE SPECIFIED. PVC PIPING SHALL BE STAMPED WITH N.S.F. SEAL OF APPROVAL.

5. THESE DRAWINGS ARE INTENDED FOR SCHEMATIC USE ONLY. FINAL PIPE LOCATIONS TO BE FIELD VERIFIED BY POOL CONTRACTOR. REFER TO EXISTING ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL DRAWINGS AS REQUIRED.

6. PIPING SUPPORTS SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND THE ILLINOIS PLUMBING CODE.

7. ALL PIPE ELEVATIONS TO BE FIELD VERIFIED TO ALLOW FOR PROPER PITCH AND DRAINAGE. PIPING SHALL BE APPROXIMATELY 1" PER 10'-0" PITCH, PIPING CONSTRUCTION TO MAINTAIN THE USE OF FITTINGS WHEREVER POSSIBLE.

8. PIPING SUPPORTS SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND THE ILLINOIS PLUMBING CODE.

9. ALL PIPE ELEVATIONS TO BE FIELD VERIFIED TO ALLOW FOR PROPER PITCH AND DRAINAGE. PIPING SHALL BE APPROXIMATELY 1" PER 10'-0" PITCH, PIPING CONSTRUCTION TO MAINTAIN THE USE OF FITTINGS WHEREVER POSSIBLE.

10. THE FLOWMETER SHALL BE LOCATED FIVE (5) STRAIGHT PIPE DIAMETERS UPSTREAM AND TEN (10) STRAIGHT PIPE DIAMETERS DOWNSTREAM FROM ANY VALVE, ELBOW OR OTHER SOURCE OF TURBULENCE.
**Job No.**

**Date:** 03.29.16

**Description:** Hoffman Estates Park District Prairie Stone Recreation Center Filter Renovation

**New Filter Equipment Electrical Plan and Electrical Requirements**

### Electrical Requirements

<table>
<thead>
<tr>
<th>Item of Equipment</th>
<th>Quantity</th>
<th>H.P. / Amps</th>
<th>Voltage</th>
<th>Phase</th>
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<tbody>
<tr>
<td>Filter Vacuum Transfer Blower</td>
<td>1</td>
<td>1 1/2 H.P. / 15 Amps</td>
<td>120</td>
<td>1</td>
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<tr>
<td>Filter Air Compresor</td>
<td>1</td>
<td>15 H.P.</td>
<td>480</td>
<td>3</td>
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<tr>
<td>Filtration Pump Motor</td>
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<td>30 Amps</td>
<td>480</td>
<td>3</td>
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<tr>
<td>Filter Control Panel</td>
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<tr>
<td>Lap Pool Filtration Pump</td>
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*Note: Variable Frequency Drive to be provided by pump and motor supplier - Field verify voltage before ordering.*