GENERAL
3.7 TITLE SHEET
3.8 LOCATION MAP, VICINITY MAP & LIST OF DRAWINGS

CIVIL
3.10 CIVIL GENERAL NOTES, SYMBOLS & ABBREVIATIONS
3.11 CIVIL DETAILS - 1
3.12 CIVIL DETAILS - 2
3.13 CIVIL DETAILS - 3
3.14 SITE PLAN
3.15 GROUND PLAN
3.16 EXCAVATION SECTION
3.17 ELEVATION SECTIONS

MECHANICAL
3.18 MECHANICAL MATERIALS SCHEDULE
3.19 MECHANICAL INSTRUMENTATION SCHEDULE
3.20 MECHANICAL INSTRUMENTATION DETAILS - 1
3.21 MECHANICAL INSTRUMENTATION DETAILS - 2

INSTRUMENTATION
3.22 INSTRUMENTATION SYMBOLS AND ABBREVIATIONS
3.23 INSTRUMENTATION DETAILS

ELECTRICAL
3.24 ELECTRICAL SYMBOLS AND ABBREVIATIONS
3.25 ELECTRICAL SITE PLAN - PARTIAL
3.26 SINGLE LINE DIAGRAM & PUMP STATION PLAN

LIST OF DRAWINGS
NOTES:
1. CONNECT IRRIGATION PIPING TO NEW IRRIGATION PIPELINE PROVIDED BY OTHERS.
2. CONNECT SAMPLE LINE TO NEW SAMPLE LINE PROVIDED BY OTHERS.

** = FINAL SIZING OF UP PVC SHALL BE BASED ON MANUFACTURER'S RECOMMENDATIONS
<table>
<thead>
<tr>
<th>TAG NUMBER</th>
<th>TYPE</th>
<th>SIZE</th>
<th>OPERATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>V-1</td>
<td>BALL</td>
<td>1&quot;</td>
<td>HANDWHEEL</td>
</tr>
<tr>
<td>V-2</td>
<td>GATE</td>
<td>3&quot;</td>
<td>HANDWHEEL</td>
</tr>
<tr>
<td>V-3</td>
<td>PRESSURE REDUCING</td>
<td>3&quot;</td>
<td>---</td>
</tr>
<tr>
<td>V-4</td>
<td>BACK PRESSURE</td>
<td>2&quot;</td>
<td>---</td>
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<tr>
<td>V-5</td>
<td>GATE</td>
<td>3&quot;</td>
<td>HANDWHEEL</td>
</tr>
<tr>
<td>V-6</td>
<td>BALL CHECK</td>
<td>3&quot;</td>
<td>---</td>
</tr>
<tr>
<td>V-7</td>
<td>AIR RELEASE</td>
<td>1/8&quot;</td>
<td>---</td>
</tr>
<tr>
<td>V-8</td>
<td>GATE</td>
<td>1&quot;</td>
<td>HANDWHEEL</td>
</tr>
<tr>
<td>V-9</td>
<td>BALL</td>
<td>1&quot;</td>
<td>HANDWHEEL</td>
</tr>
<tr>
<td>P-1</td>
<td>SUBMERSIBLE</td>
<td>100 GPM @ 20 TDH (0.3 BHP)</td>
<td>N/A</td>
</tr>
<tr>
<td>P-2</td>
<td>SUBMERSIBLE</td>
<td>100 GPM @ 20 TDH (0.3 BHP)</td>
<td>N/A</td>
</tr>
<tr>
<td>M-1</td>
<td>PADDLE WHEEL</td>
<td>3&quot;</td>
<td>N/A</td>
</tr>
<tr>
<td>M-2</td>
<td>ROTAMETER</td>
<td>1&quot;</td>
<td>N/A</td>
</tr>
<tr>
<td>ME-1</td>
<td>DUPLEX STRAINER</td>
<td>3&quot;</td>
<td>N/A</td>
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<tr>
<td>ME-2</td>
<td>Y-STRAINER</td>
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<td>N/A</td>
</tr>
<tr>
<td>ME-3</td>
<td>TABLET CHLORINATOR</td>
<td>1&quot;</td>
<td>N/A</td>
</tr>
</tbody>
</table>
NOTES:

1. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
2. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
3. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
4. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
5. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
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12. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
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16. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
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19. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
20. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
21. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
22. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
23. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
24. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
25. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
26. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
27. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
28. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
29. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
30. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
31. INSTALL 3/0 CONDUIT, INSTALL 3/0 & 5/0 WIRING EXISTING POWER PULL BOX.
SINGLE LINE DIAGRAM

NOTES:

1. VENDOR FURNISHED SUBMERSIBLE CABLES IN PVC CONDUIT. CONDUIT TO BE APPROVED FOR VENDOR FURNISHED.
2. PC-0047C FOR CONTINUATION, SEE SHEET T-6.
3. SEE SHEET T-6 FOR LOCATION OF LOW VOLTAGE CONTROL PANELS.
4. EXPOSED CONDUIT ACCESS TO THE PANELS SHALL BE PROVIDED.
5. INSTALL ONE GFI TYPE RECEPTACLE INSIDE THE LCP.
6. FLOW SENSOR VENDOR CABLE SHALL BE ARIZONA ELECTRIC FABRICATION INC.
7. APPROXIMATE DISTANCE BETWEEN EXISTING SWITCHGEARS AND NEW LOW VOLTAGE CONTROL PANEL IS 30FT. THE VOLTAGE DROP IS 5% FOR 600V MAXIMUM LOAD.

PUMP P-1 STARTER

LEVEL RELAY & W/L CONTROL PANEL.
WET WELL LEVEL CT.
ALL POWER LOCATED AT LCP UNLESS OTHERWISE NOTED.

SUBMERSIBLE CABLES
GROUND TO WATER PIPE

PUMP STATION LOCAL CONTROL PANEL, 1OWE 80 WATKINS 3