**ELEVATION CHANGE**
14.8"

**OUTLET ORIFICE Ø**
12"

**INLET Ø**
12"

**OUTLET Ø**
12"

**INLET Ø**
12"

**OUTLET Ø**
12"

**INLET SIDE**

**OUTLET SIDE**

**HDPE BYPASS PIPE**

**SOIL-TIGHT OR WATERTIGHT COUPLER (TYP)**

**INLET STRUCTURE**
NYLOPLAST BASIN

**OUTLET STRUCTURE**
NYLOPLAST BASIN

**24" INSPECTION RISER (TYP)**

**FLOW**

**BEGINNING BYPASS INVERT**

**OUTLET ORIFICE Ø**
36"

**24" HDPE ACCESS RISERS (FIELD EXTEND AS REQUIRED)**

**90° BEND FROM WQU**

**MATCH INVERTS**

**FROM BYPASS**

**TO BYPASS**

**18" INSPECTION RISER**

**BEGINNING BYPASS INVERT**

**OUTLET STRUCTURE**
FABRICATED REDUCING WYE

**INLET STRUCTURE**
FABRICATED SUMP TEE

**NOTES:**
1. SEE STANDARD DETAILS STD-501 AND STD-502 FOR STORM WATER QUALITY UNIT PRODUCT DETAILS.
2. REFERENCE TECHNICAL NOTE 1.03 FOR ADDITIONAL DESIGN INFORMATION.
3. ELEVATION CHANGE DENOTES THE ELEVATION DROP FROM INVERT OF BYPASS AT INLET TO INVERT OF BYPASS AT OUTLET.

**MODEL #**

<table>
<thead>
<tr>
<th>MAIN PIPE DIA.</th>
<th>SIEVE SIZE</th>
<th>PARTICLE SIZE (CM)</th>
<th>TREATED FLOW RATE (CFS)</th>
<th>INLET Ø</th>
<th>OUTLET Ø</th>
<th>OUTLET ORIFICE Ø</th>
<th>ELEVATION CHANGE*</th>
</tr>
</thead>
<tbody>
<tr>
<td>4240WQAXX</td>
<td>42&quot;</td>
<td>140</td>
<td>0.0106</td>
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<td>12&quot;</td>
<td>11.75&quot;</td>
<td>14.8&quot;</td>
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<tr>
<td>4240WQBX</td>
<td>42&quot;</td>
<td>200</td>
<td>0.0075</td>
<td>12&quot;</td>
<td>12&quot;</td>
<td>8.31&quot;</td>
<td>14.8&quot;</td>
</tr>
</tbody>
</table>

XX DENOTES A BY-PASS SIZE OF 15", 18", 24", 30", 36", 42", 48", OR 60" XX=00 DENOTES UNITS W/O BY-PASS.
* ELEVATION CHANGE FOR UNITS WITHOUT A BY-PASS IS 2"