**SITE SPECIFIC DATA**

<table>
<thead>
<tr>
<th>Structure ID</th>
<th>Water Quality Flow Rate (cfs)</th>
<th>Peak Flow Rate (cfs)</th>
<th>Rim Elevation</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Pipe Data</th>
<th>Pipe Angle</th>
<th>Pipe Size</th>
<th>Pipe Type</th>
<th>Invert Elevation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet</td>
<td></td>
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<tr>
<td>Outlet at 0°</td>
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<tr>
<td>Notes:</td>
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</tbody>
</table>

"Angle is Clockwise from Outlet at 0°."

**DESIGN NOTES:**

1. **DESIGN LOADINGS:**
   - A. ASHMD 64-60-44 W/ IMPACT.
   - B. DESIGN FILL: 5' MAXIMUM.
   - C. ASSUMED WATER TABLE = BELOW BOTTOM OF PRECAST.
   - D. DRY LATERAL EARTH PRESSURE (EP) = 45 PSF.
   - E. LATERAL LIVE LOAD SURCHARGE = 90 PSF (APPLIED TO 9' BELOW GRADE).
   - F. NO LATERAL SURCHARGE FROM ADJACENT BUILDINGS, WALLS, PPODS, OR FOUNDATIONS.

2. **CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE 5,000 PSI MINIMUM.**

3. **STEEL REINFORCEMENT: REBAR, ASTM A-615 OR A-706, GRADE 60.**

4. **CEMENT: ASTM C-150 SPECIFICATION.**

5. **REQUIRED NATIVE ALLOWABLE SOIL Bearing PRESSURE = 2,500 PSF.**

6. **REFERENCE STANDARDS:**
   - A. ASTM C 690
   - B. ASTM C 913

7. **THIS STRUCTURE IS DESIGNED TO THE PARAMETERS NOTED HEREIN. PLEASE VERIFY THAT THESE PARAMETERS MEET PROJECT REQUIREMENTS (I.E. LIVE LOAD, FULL RANGE, WATER TABLE). IF DESIGN PARAMETERS ARE INCOMPLETE, REVIEWING ENGINEER/AUTHORITY SHALL NOTIFY OLDCASTLE PRECAST® STORMWATER UPON REVIEW OF THIS SUBMITTAL.**

**GENERAL NOTES:**

8. **TREATMENT CAPACITY IS DEPENDENT ON LOCAL REGULATORY REQUIREMENTS. BYPASS CAPACITY IS DEPENDENT ON OUTLET PIPE DIAMETER, CONTACT OLDCASTLE PRECAST® STORMWATER FOR PROJECT-SPECIFIC TREATMENT AND BYPASS SIZING RECOMMENDATIONS.**

9. **OVERSIZED HOLES TO ACCOMMODATE SPECIFIC PIPE TYPES MUST BE CONCENTRIC TO PIPE D. ALL ANULAR SPACES SHALL BE FILLED WITH A MINIMUM OF 3000 PSI CONCRETE FOR FULL THICKNESS OF PRECAST WALLS.**

10. **CONTRACTOR RESPONSIBLE TO ENSURE ADEQUATE HEATING SURFACE IS PROVIDED (I.E. COMPACTED & LEVEL PER PROJECT SPECIFICATIONS).**

11. **FOR SITE SPECIFIC DRAWINGS WITH DETAIL STRUCTURE DIMENSIONS AND MÔDÈLS, PLEASE CONTACT OLDCASTLE PRECAST® STORMWATER.**

**PLAN VIEW**

**ISOMETRIC VIEW**

**ELEVATION VIEW**