**SITE SPECIFIC DATA**

**Structure ID**

**Water Quality Flow Rate (cfs)**

**Peak Flow Rate (cfs)**

**Pipe Data**

<table>
<thead>
<tr>
<th>Pipe Type</th>
<th>Pipe Size</th>
<th>Pipe Angle</th>
<th>Inlet</th>
<th>Outlet</th>
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**Design Notes:**

1. **DESIGN LOADINGS:**
   - A. ASHTEC HS-24-44 W/ IMPACT.
   - B. DESIGN FILL 5' MAXIMUM.
   - C. ASSUMED WATER TABLE = BELOW BOTTOM OF PRECAST.
   - D. DRY LATERAL EARTH PRESSURE (QDF) = 45 PSF.
   - E. LATERAL LIP LOAD SURCHARGE = 60 PSF (APPLIED TO 9' BELOW GRADE).
   - F. NO LATERAL SURCHARGE FROM ADJACENT BUILDINGS, WALLS, PIER, 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 STANDARD:**
   - A. ASTM C 479
   - B. ASTM C 497

7. **THIS STRUCTURE IS DESIGNED TO THE PARAMETERS NOTED HEREIN. PLEASE VERIFY THAT THESE PARAMETERS MEET PROJECT REQUIREMENTS (I.E. LIP LOAD, EARTH PRESSURE, WATER TABLE). IF DESIGN PARAMETERS ARE MODIFIED, THEN ENGINEER/AUTHORITY SHALL NOTIFY OLDCASTLE PRECAST STORMWATER UPON REVIEW OF THIS SUBMITAL.**

8. **GENERAL NOTES:**
   - A. 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.
   - B. STANDARD INLET/OUTLET PIPE CONFIGURATION TO ENTER AND EXIT STRUCTURE AT prescribed ANGLE, SPECIAL CONFIGURATIONS AVAILABLE.
   - C. OVERSIZED HOLES TO ACCOMMODATE SPECIFIC PIPE TYPE MUST BE DESIGNATED TO PIPE ID, ALL ANNULAR SPACES SHALL BE FILLED WITH A MINIMUM OF 3000 PSI CONCRETE FOR FULL THICKNESS OF PRECAST WALLS.
   - D. CONTRACTOR RESPONSIBLE TO ENSURE ADEQUATE SEALING/PROTECTION (I.E. COMPACTED & LEVEL PER PROJECT SPECIFICATIONS)
   - E. FOR SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND HOLES, PLEASE CONTACT OLDCASTLE PRECAST STORMWATER.