**SITE SPECIFIC DATA**

<table>
<thead>
<tr>
<th>Structure ID</th>
<th>Water Quality Flow Rate (cfs)</th>
<th>Peak Flow Rate (cfs)</th>
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<tr>
<th>Pipe Data</th>
<th>Pipe Angle</th>
<th>Pipe Size</th>
<th>Pipe Type</th>
<th>Invert Elevation</th>
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<tr>
<th>Inlet</th>
<th>Outlet at 0°</th>
<th>Notes:</th>
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**DESIGN NOTES:**

1. DESIGN LOADINGS:
   A. AIRSHED HS-20-44 W/ IMPACT.
   B. DESIGN FILL 5' MAXIMUM.
   C. ASSUMED WATER TABLE = BELOW BOTTOM OF PRECAST.
   D. DRY LATERAL EARTH PRESSURE (QDP) = 45 PSF.
   E. LATERAL LIE LOAD SURCHARGE = 40 PSF (APPLIED TO 8' BELOW GRADE).  
   F. NO LATERAL SURCHARGE FROM ADJACENT BUILDINGS, WALLS, PERRS, OR FOUNDATIONS.

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


4. CEMENT: ASTM C-150 SPECIFICATION.

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

6. REFERENCE STANDARD:
   A. ASTM C 470
   B. ASTM C 497

7. THIS STRUCTURE IS DESIGNED TO THE PARAMETERS NOTED HEREIN. PLEASE VERIFY THAT THESE PARAMETERS MEET PROJECT REQUIREMENTS (I.E. LIVE LOAD, FILL RANGE, WATER TABLE). IF DESIGN PARAMETERS ARE INCOMPLETE, REQUIRING ENGINEER/ARCHITECT 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. STANDARD INLET/OUTLET PIPE CONFIGURATION TO ENTER AND EXIT STRUCTURE AT 90°, SPECIAL ANGLED CONFIGURATIONS AVAILABLE.

10. OVERSIZED HOLES TO ACCOMMODATE SPECIFIC PIPE TYPE MUST BE CONSIDERED TOPipe ID. ALL ANNUAL SPACES SHALL BE FILLED WITH A MINIMUM OF 3000 PSI CONCRETE FOR FULL THICKNESS OF PRECAST WALLS.

11. CONTRACTOR RESPONSIBLE TO ENSURE COMPLETE REARING SURFACE IS PROVIDED (I.E. COMPACTED & LEVEL PER PROJECT SPECIFICATIONS).

12. FOR SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND MOLDING, PLEASE CONTACT OLDCASTLE PRECAST STORMWATER.