**SITE SPECIFIC DATA**

**Structure ID**

**Water Quality Flow Rate (cfs)**

**Peak Flow Rate (cfs)**

**Rin Elevation**

**Pipe Data**
- Pipe Angle
- Pipe Size
- Pipe Type
- Invert Elevation

**Inlet**

**Outlet at 0°**
- Angle is Clockwise from Outlet at 0°

**Notes:**

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**DESIGN NOTES:**

1. **DESIGN LOADINGS:**
   - A. ASHMD K=20-44 W/ IMPACT.
   - B. DESIGN FILL: 5’ MAXIMUM.
   - C. ASSUMED WATER TABLE = BELOW BOTTOM OF PRECAST.
   - D. DRY LATERAL EARTH PRESSURE (Kp) = 45 PSC.
   - E. LATERAL LIVE LOAD SURCHARGE = 50 PSC (APPLIED TO 5’ BELOW GRADE).
   - F. NO LATERAL SURCHARGE FROM ADJACENT BUILDINGS, WALLS, PENS, 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 PSC.

6. **REFERENCE STANDARD:**
   - 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.**

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**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 TYPE MUST BE CONCENTRIC TO PIPE D. ALL WALL THICKNESS SHALL BE FILLED WITH A MINIMUM OF 3000 PSI CONCRETE FOR FULL THICKNESS OF PRECAST WALLS.**

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

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

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**Oldcastle Precast® Stormwater**

**DVS-36S**

**DVS-36S-SC**

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**NOTICE:**

This product is protected by the following US patents: 8,111,708 B2; other pending patents. For application, please contact Oldcastle Precast® STORMWATER.