SITE SPECIFIC DATA

Structure ID
Water Quality Flow Rate (cfs)
Peak Flow Rate (cfs)

Pipe Data
Pipe Angle
Pipe Size
Pipe Type
Invert Elevation

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

Notes:

DESIGN LOADINGS:
1. AASHO HS-20-44 W/ IMPACT.
2. DESIGN FILL, 5' MAXIMUM.
3. ASSUMED WATER TABLE = BELOW BOTTOM OF PRECAST.
4. DRY LATERAL EARTH PRESSURE (EPD) = 45 PSI.
5. LATERAL LINE LOAD SURCHARGE = 80 PSI (APPLIED TO 8' BELOW GRADE).
6. NO LATERAL SURFACE LOADS FROM ADJACENT BUILDINGS, WALLS, PIERS, OR FOUNDATIONS.

2. CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE 5,000 PSI MINIMUM.
4. CEMENT: ASTC C-150 SPECIFICATION.
5. REQUIRED NATIVE ALLOWABLE SOIL BEARING PRESSURE = 2,500 PSI.
6. REFERENCE STANDARD:
   A. ASTM C 479
   B. ASTM C 497
7. THIS STRUCTURE IS DESIGNED TO THE PARAMETERS NOTED HERIN. PLEASE VERIFY THAT THESE PARAMETERS MEET PROJECT REQUIREMENTS (I.E. LINE LOAD, FILL RANGE, WATER TABLE). IF DESIGN PARAMETERS ARE INCOMPATIBLE REVISIONS ENGINEERING 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. STANDARD INLET/OUTLET PIPE CONFIGURATION TO ENTER AND EXIT STRUCTURE AT 45°. SPECIAL ANGLED CONFIGURATIONS AVAILABLE.
10. OVERSIZED HOLES TO ACCOMMODATE SPECIFIC PIPE TYPES MUST BE CONCEIVED TO PIPE SIZE. ALL ANGULAR SPACES SHALL BE FILLED WITH A MINIMUM OF 3000 PSI CONCRETE FOR FULL THICKNESS OF PRECAST WALLS.
11. CONTRACTOR RESPONSIBLE TO ENSURE ADEQUATE REAR SURFACE IS PROVIDED (I.E. COMPACTED & LEVEL PER PROJECT SPECIFICATIONS).
12. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND HOLES, PLEASE CONTACT OLDCASTLE PRECAST STORMWATER.