### Design Notes:

1. **Design Loadings:**
   - B. Design Fill: 5' Maximum.
   - C. Assumed Water Table: Below Bottom of Precast.
   - D. Dry Lateral Earth Pressure (Kp) = 45 P.S.F.
   - E. Lateral Live Load Surcharge = 50 P.S.F. (Applied to 5' Below Grade).
   - F. No Lateral Surcharge from Adjacent Buildings, Walls, Piers or Foundations.

2. **Concrete 28-Day Compressive Strength Shall Be 5,000 P.S.I. 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 P.S.F.**

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 Sizeing Recommendations.**

9. **Over-sized Holes to Accommodate Specific Pipe Type Must Be Convered to Pipe D, All Annular Spaces Shall Be Filled with a Minimum of 3000 P.S.I. Concrete for Full Thickness of Precast Walls.**

10. **Contractor Responsible to Ensure Adequate Beating Surface is Provided (I.E. Compacted & Level Per Project Specifications).**

11. **For Site Specific Drawings with Detailed Structure Dimensions and Hidets, Please Contact Oldcastle Precast® Stormwater.**