**DESIGN NOTES:**

1. **DESIGN LOADINGS:**
   A. **ASCE-H20-44 W/ IMPACT.**
   B. **DESIGN FILL: 5' MAXIMUM.**
   C. **ASSUMED WATER TABLE = BELOW BOTTOM OF PRECAST.**
   D. **DRY LATERAL EARTH PRESSURE (EP) = 45 SCP.**
   E. **LATERAL EARTH SURCHARGE = 80 SCP (APPLIED TO 5' BELOW GRADE).**
   F. **NO LATERAL SURCHARGE FROM ADJACENT BUILDINGS, WALLS, PIPES, 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-690**
   B. **ASTM C-513**

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 INCONSISTENT, REVIEW DESIGN/ENGINEER/AUTHORITY SHOULD 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. **OVERSIZED HOLES TO ACCOMMODATE SPECIFIC PIPE MUST BE CONCENTRIC TO PIPE D. ALL ANNUAL SPACES SHALL BE FILLED WITH A MINIMUM OF 3000 PSI CONCRETE FOR FULL THICKNESS OF PRECAST WALLS.**

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

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