DESIGN NOTES:
1. DESIGN LOADINGS:
   A. ASHTEC HS-20-44 W/ IMPACT.
   B. DESIGN FILL: 5' MAXIMUM.
   C. ASSUMED WATER TABLE = BELOW TOP OF PRECAST.
   D. DRY LATERAL EARTH PRESSURE (Q') = 45 PSC.
   E. LATERAL LINE LOAD SURCHARGE = 80 PSC (APPLIED TO 8' BELOW GROUND).
   F. NO LATERAL SURCHARGE FROM ADJACENT BUILDINGS, WALLS, FENCES, 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 PSC.
6. REFERENCE STANDARD:
   A. ASTM C-470
   B. ASTM C-497
7. THIS STRUCTURE IS DESIGNED TO THE PARAMETERS NOTED ABOVE. PLEASE VERIFY THAT THESE PARAMETERS MEET PROJECT REQUIREMENTS (I.E. LINEL LOAD, FILL RANGE, WATER TABLE), IF DESIGN PARAMETERS ARE INCOMPLETE, REENGINEER/ENGINEER/AUTHORITY SHALL NOTIFY OLDCASTLE PRECAST STORMWATER UPON REVIEW OF THIS SUBMITTAL.
8. GENERAL NOTES:
   A. TREATMENT CAPACITY IS DEPENDENT ON LOCAL REGULATORY REQUIREMENTS. BYPASS CAPACITY IS DEPENDENT ON OUTLET PIPE DIAMETER, CONGRESS OLDCASTLE PRECAST STORMWATER FOR PROJECT-SPECIFIC TREATMENT AND BYPASS SIZING RECOMMENDATIONS.
   B. STANDARD INLET/OUTLET PIPE CONFIGURATION TO ENTER AND EXIT STRUCTURE AT 90°. SPECIAL ANGLED CONFIGURATIONS AVAILABLE.
   C. OVERSIZED HOLES TO ACCOMMODATE SPECIFIC PIPE TYPE MUST BE CONSULTED TO PIPE ID. ALL ANNUAL SPACES SHALL BE FILLED WITH A MINIMUM OF 5000 PSI CONCRETE FOR FULL THICKNESS OF PRECAST WALLS.
   D. CONTRACTOR RESPONSIBLE TO ENSURE ADEQUATE REARING SURFACE IS PROVIDED (I.E. COMPACTED & LEVEL PER PROJECT SPECIFICATIONS).
   E. FOR SITE-SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND NOMENCLATURE, PLEASE CONTACT OLDCASTLE PRECAST STORMWATER.