DESIGN NOTES:

1. DESIGN LOADINGS:
   A. ASHDO HS-20-44 W/ IMPACT.
   B. DESIGN FILL: 5' MAXIMUM.
   C. ASSUMED WATER TABLE = BELOW BOTTOM OF PRECAST.
   D. DRY LATERAL EARTH PRESSURE (QPP) = 45 PSI.
   E. LATERAL LINE LOAD SURCHARGE = 60 PSI (APPLIED TO 9' BELOW GRADE).
   F. NO LATERAL SURCHARGE FROM ADJACENT BUILDINGS, WALLS, PIERS, 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 PSI.

6. REFERENCE STANDARD:
   A. ASTM C 477
   B. ASTM C 497

7. THIS STRUCTURE IS DESIGNED TO THE PARAMETERS NOTED HEREIN. PLEASE VERIFY THAT THESE PARAMETERS MEET PROJECT REQUIREMENTS (I.E. UNE LOAD, FILL RANGE, WATER TABLE). IF DESIGN PARAMETERS ARE INCOMPLETE, RECOMMEND 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 SIZING RECOMMENDATIONS.

9. STANDARD INLET/OUTLET PIPE CONFIGURATION TO ENTER AND EXIT STRUCTURE AT 180°. SPECIAL ANGLED CONFIGURATIONS AVAILABLE.

10. OVERSIZED HOLES TO ACCOMMODATE SPECIFIC PIPE TYPE MUST BE CONSIDERED TO PIPE D. ALL ANNUAL SPACES SHALL BE FILLED WITH A MINIMUM OF 3000 PSI CONCRETE FOR FULL THICKNESS OF PRECAST WALLS.

11. CONTRACTOR RESPONSIBLE TO ENSURE ADJACENT REARING SURFACE IS PROPERLY GRADED AND LEVEL PER PROJECT SPECIFICATIONS.

12. FOR SITE-SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND HOLES, PLEASE CONTACT OLDCASTLE PRECAST/STORMWATER.