DESIGN NOTES:

1. DESIGN LOADINGS:
   A. ASHDTE HS-20 - 44 W/ IMPACT.
   B. DESIGN FILL, 0' MAXIMUM.
   C. ASSUMED WATER TABLE = BELOW BOTTOM OF PRECAST.
   D. DRY LATERAL EARTH PRESSURE (EPE) = 45 PFC.
   E. LATERAL LINE LOAD SURCHARGE = 80 PFC (APPLIED TO 8' BELOW GRADE).
   F. NO LATERAL SURCHARGE FROM ADJACENT BUILDINGS, WALLS, PIER, 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 PFC.

6. REFERENCE STANDARD:
   A. ASTM C 479
   B. ASTM C 497

7. THIS STRUCTURE IS DESIGNED TO MEET THE PARAMETERS NOTED ABOVE. PLEASE VERIFY THAT THESE PARAMETERS MEET PROJECT REQUIREMENTS (I.E. UNLOAD, FILL RANGE, WATER TABLE). IF DESIGN PARAMETERS ARE MODIFIED, REVISIONS ENGINEER/AUTHORITY SHALL NOTIFY OLDCASTLE PRECAST® STORMWATER UPON REVIEW OF THIS SUBMITTAL.

GENERAL NOTES:

8. TREATMENT CAPACITY IS DEPENDENT ON LOCAL REGULATORY REQUIREMENTS. IMPACT 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 90°. SPECIAL ANGLED CONFIGURATIONS AVAILABLE.

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

11. CONTRACTOR RESPONSIBLE TO ENSURE ADEQUATE BEARING SURFACE IS PROVIDED (I.E. COMPACTED & LEVEL PER PROJECT SPECIFICATIONS).

12. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND MODELS, PLEASE CONTACT OLDCASTLE PRECAST® STORMWATER.

3X 24.00" BOLTED & GASKETED CAST IRON ACCESS COVER, STANDARD, FIELD Poured CONCRETE COLLAR REQUIRED, BY OTHERS.

3X 24.00" STANDARD HEIGHT INTERNALS.

42.00" STANDARD DEPTH.