#48.00" BOLTED & GASKETED CAST IRON ACCESS COVER, STANDARD. FIELD POURED CONCRETE COLLAR REQUIRED, BY OTHERS.

INLET, #24.00" MAX. PIPE SIZE SEE NOTE 9.

OUTLET, #24.00" MAX. PIPE SIZE SEE NOTE 9.

**PLAN VIEW**

**ISOMETRIC VIEW**

SCALE 3/4

3.50' [42.00"] MINIMUM DEPTH

30.00" STANDARD HEIGHT INTERNALS

3.50' [42.00"] MINIMUM DEPTH

**ELEVATION VIEW**

5.50' [66.00"] SUMP

8.00" MINIMUM

6.00" MINIMUM WALL THICKNESS

5.00" [60.00"]

6.00" [72.00"]

INTERNAL COMPONENTS.

BASE.

RISER, AS REQUIRED.

RISER WITH INTERNALS INSTALLED.

TOP SLAB.

DESIGN NOTES:
1. DESIGN LOADINGS:
   A. ARIDTO HS-20-44 W/ IMPACT.
   B. DESIGN FILL, 5' MAXIMUM.
   C. ASSUMED WATER TABLE = BELOW BOTTOM OF PRECAST.
   D. DYK LATERAL EARTH PRESSURE (QEF) = 45 PSF.
   E. LATERAL LINE LOAD SURFACE = 90 PSF (APPLIED TO 9" BELOW GRADE).
   F. NO LATERAL SURFACE FROM ADJACENT BUILDINGS, WALLS, PENS, 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 PSF.

6. REFERENCE STANDARD:
   A. ASTM C 479
   B. ASTM C 487

7. THIS STRUCTURE IS DESIGNED TO THE PARAMETERS NOTED ABOVE. PLEASE VERIFY THAT THESE PARAMETERS MEET PROJECT REQUIREMENTS (I.E. ELEVATION, FILL RANGE, WATER TABLE). IF DESIGN PARAMETERS ARE INAPPROPRIATE, REDESIGN 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 90° SPECIAL ANGLED CONFIGURATIONS AVAILABLE.

10. OVER SIZE HOLES TO ACCOMMODATE SPECIFIC PIPE TYPE MUST BE CONCONSISTENT TO PIPE ID. ALL STATIC 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 HOODS, PLEASE CONTACT OLDCASTLE PRECAST STORMWATER.