



PLAN VIEW

$\phi 48.00''$ BOLTED & GASKETED ACCESS COVER, STANDARD. ALTERNATE COVERS & GRATED INLET OPTIONS AVAILABLE. SEE NOTE 3.

RISER AS REQUIRED.

RISER WITH INTERNALS INSTALLED.

INTERNAL COMPONENTS.

BASE.

ISOMETRIC VIEW

SCALE 3/4

$\phi 48.00''$ BOLTED & GASKETED ACCESS COVER, STANDARD. ALTERNATE COVERS & GRATED INLET OPTIONS AVAILABLE. SEE NOTE 3.

CONCRETE COLLAR REQUIRED, BY OTHERS.

3.00' [36.00"] MINIMUM SEE NOTE 4.

24.00" STANDARD HEIGHT INTERNALS

PERMANENT POOL LEVEL

OUTLET, $\phi 18.00''$ MAX. PIPE SIZE. SEE NOTE 2.

5.00' [60.00"] SUMP

6.00" MINIMUM

INLET, $\phi 18.00''$ MAX. PIPE SIZE. SEE NOTE 2.

INTERNAL COMPONENTS

5.00" MINIMUM WALL THICKNESS

$\phi 4.00'$ [48.00"]

$\phi 4.83'$ [58.00"]

5.00" MINIMUM WALL THICKNESS

ELEVATION VIEW

NOTES:

1. TREATMENT CAPACITY IS DEPENDENT ON LOCAL REGULATORY REQUIREMENTS. BYPASS CAPACITY IS DEPENDENT ON OUTLET PIPE DIAMETER. CONTACT OLDCASTLE INFRASTRUCTURE, INC. FOR PROJECT-SPECIFIC TREATMENT AND BYPASS SIZING RECOMMENDATIONS.
2. STANDARD INLET/OUTLET PIPE CONFIGURATION TO ENTER AND EXIT STRUCTURE AT 180°. SPECIAL ANGLED CONFIGURATIONS AVAILABLE.
3. ACCESS COVER(S) MAY BE FIELD ADJUSTED TO GRADE. INLET GRATES & ALTERNATE COVER OPTIONS ARE AVAILABLE.
4. FOR DEPTHS LESS THAN THE MINIMUM SHOWN CONTACT OLDCASTLE INFRASTRUCTURE, INC.
5. STRUCTURE SHALL MEET AASHTO HS-20-44 DESIGN LOADING. CONCRETE COMPONENTS MANUFACTURED IN ACCORDANCE WITH ASTM C478 AND C497.
6. UPON REQUEST, OLDCASTLE INFRASTRUCTURE, INC. CAN PROVIDE A PROJECT-SPECIFIC DRAWING WITH DETAILED DIMENSIONS, PICK WEIGHTS, AND SPECIALS (AS REQUIRED).

THIS PRODUCT IS PROTECTED BY THE FOLLOWING US PATENT: 7,182,874; RELATED FOREIGN PATENTS, OR OTHER PATENTS PENDING.



Hydrodynamic Separation

DVS-48C
Dual-Vortex Separator
Circular Structure



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 A CRH COMPANY

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DRAWING NO. DVS-48C	REV E	ECO ECO-0152	DATE JPR 1/10/19	DATE JPR 4/25/11	SHEET 1 OF 1
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