

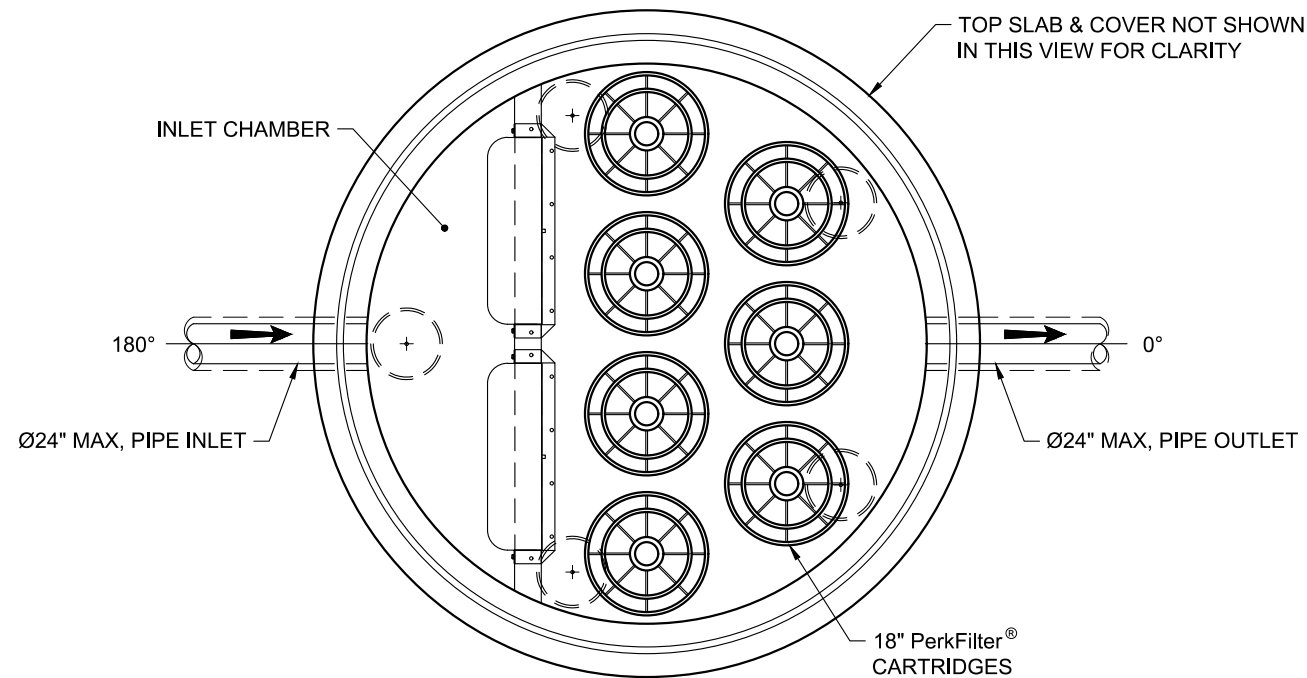
SITE SPECIFIC DATA					MINIMUM DEPTH	
Structure ID	-	Outlet Pipe Size	Ø6"	Minimum Rim to Outlet Depth	4.83'	
Treatment Flow Rate (gpm/cfs)	-	Ø8"	4.83'			
Peak Flow Rate (cfs)	-	Ø10"	5.08'			
Cartridge Quantity	-	Ø12"	5.33'			
Rim Elevation	-	Ø15"	5.58'			
		Ø18"	5.83'			
		Ø21"	6.08'			
		Ø24"	6.33'			

Pipe Data	Pipe Location	Pipe Size	Pipe Type	Invert Elevation
Inlet	-	-	-	-
Outlet	-	-	-	-

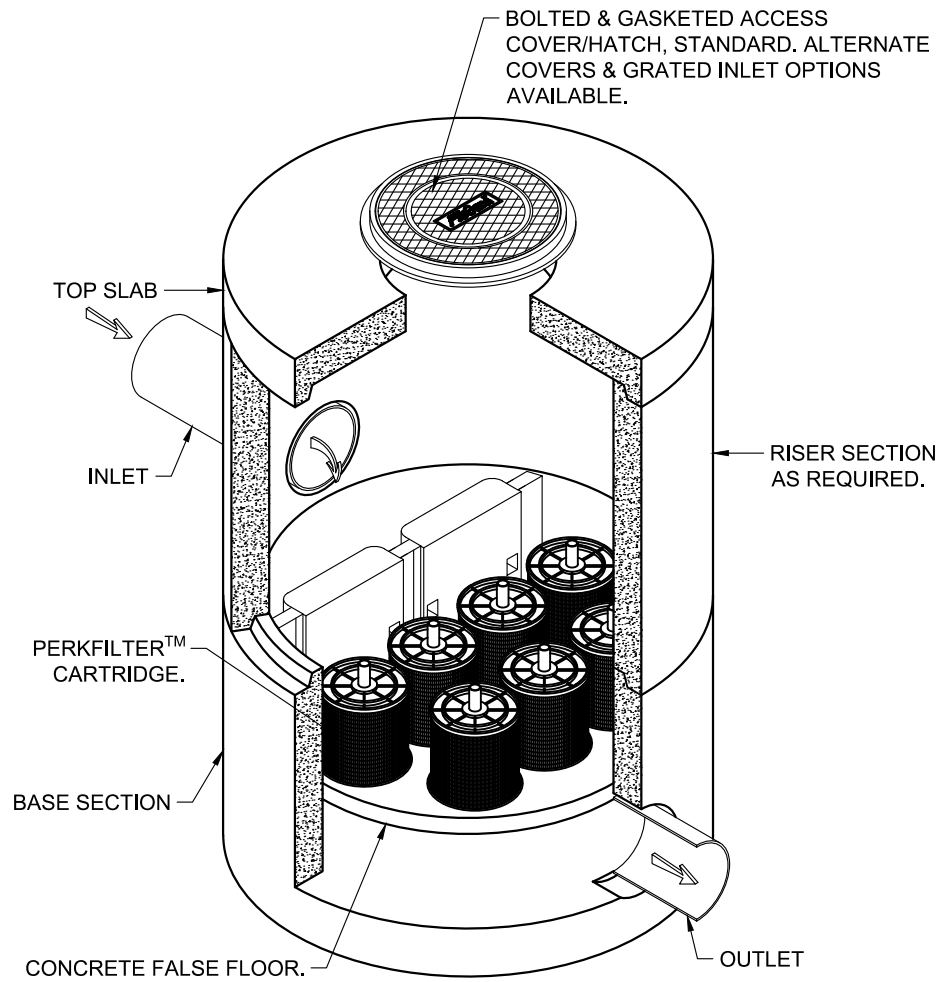
Notes:  
-

PERFORMANCE SPECIFICATIONS	
Peak Treatment Capacities: <sup>1</sup>	
Max. Cartridge Quantity	7
NJDEP 80% Removal, 75 micron	142.8 gpm / 0.318 cfs
WA Ecology GULD - Basic & Phosphorus	71.4 gpm / 0.159 cfs
Max. Bypass Capacity	6.10 cfs

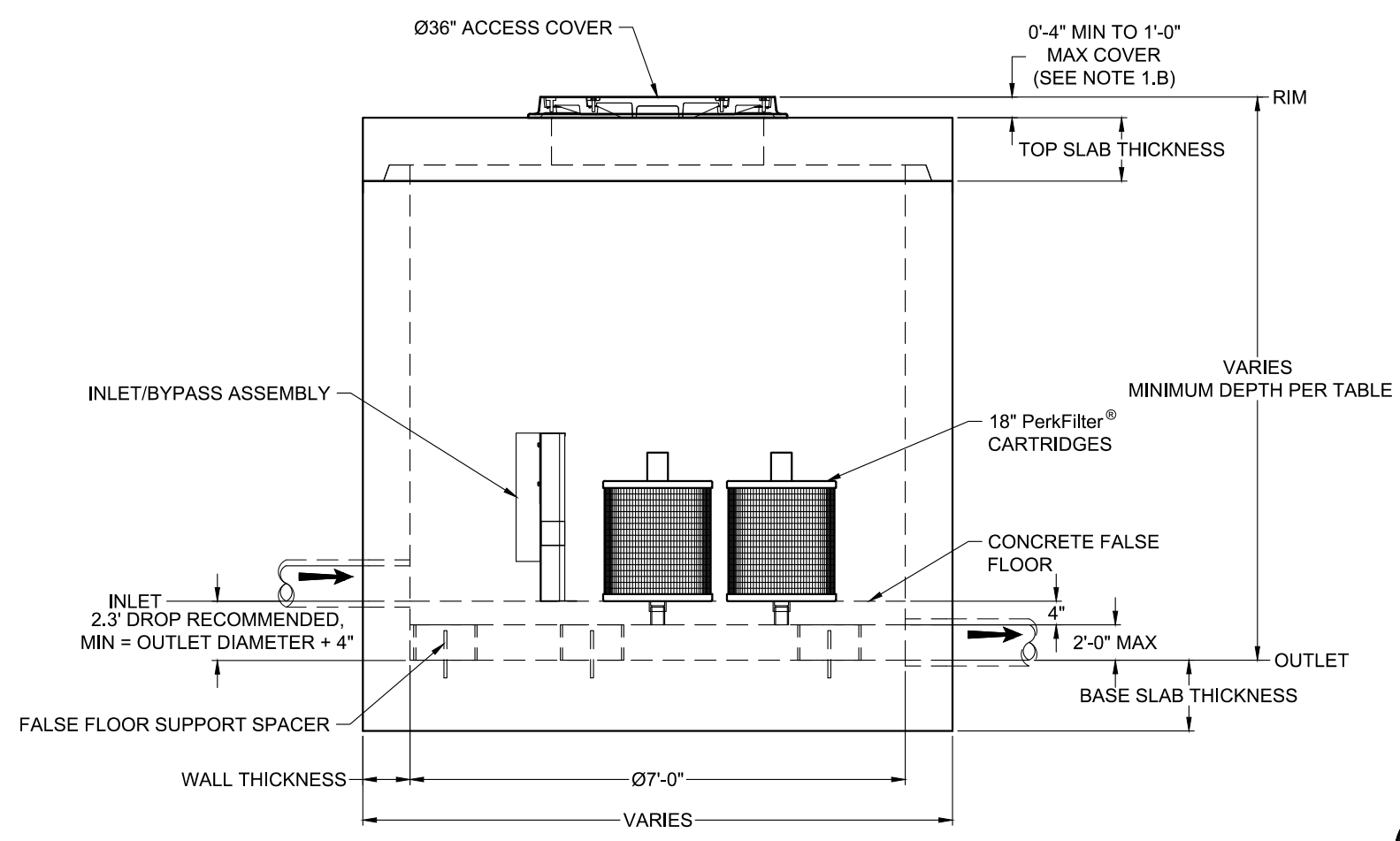
<sup>1</sup> Contact Oldcastle for alternative treatment and peak flow capacities.



PLAN VIEW



ISOMETRIC VIEW



ELEVATION VIEW

- NOTES:
- DESIGN LOADINGS:
    - AASHTO HS-20-44 (WITH IMPACT)
    - DESIGN SOIL COVER: 1'-0" MAXIMUM
    - ASSUMED WATER TABLE: BELOW INVERT.
    - LATERAL EARTH PRESSURE: 45 PCF (DRAINED)
    - LATERAL LIVE LOAD SURCHARGE: 80 PSF (APPLIED TO 8'-0" BELOW GRADE)
    - NO LATERAL SURCHARGE FROM ADJACENT BUILDINGS, WALLS, PIERS, OR FOUNDATIONS.
  - CONCRETE 28-DAY MINIMUM COMPRESSIVE STRENGTH: 5,000 PSI MINIMUM.
  - REINFORCING: REBAR, ASTM A615/A706, GRADE 60
  - CEMENT: ASTM C150
  - REQUIRED ALLOWABLE SOIL BEARING CAPACITY: 2,500 PSF
  - REFERENCE STANDARD:
    - ASTM C 478
    - ASTM C 497
  - THIS STRUCTURE IS DESIGNED TO THE PARAMETERS NOTED HEREIN. ENGINEER-OF-RECORD SHALL VERIFY THAT NOTED PARAMETERS MEET OR EXCEED PROJECT REQUIREMENTS. IF DESIGN PARAMETERS ARE INCORRECT, REVIEWING ENGINEER/AUTHORITY SHALL NOTIFY OLDCASTLE INFRASTRUCTURE UPON REVIEW OF THIS SUBMITTAL.
  - OVERSIZED HOLES TO ACCOMMODATE SPECIFIC PIPE TYPE MUST BE CONCENTRIC TO PIPE ID. AFTER PIPES ARE INSTALLED, ALL ANNULAR SPACES SHALL BE FILLED WITH A MINIMUM OF 3,000 PSI CONCRETE FOR FULL THICKNESS OF PRECAST WALLS. PIPES ARE TO BE FLUSH WITH THE INSIDE SURFACE OF THE CONCRETE STRUCTURE.
  - CONTRACTOR RESPONSIBLE TO VERIFY ALL SIZES, LOCATIONS, AND ELEVATIONS OF OPENINGS.
  - CONTRACTOR RESPONSIBLE TO ENSURE ADEQUATE BEARING SURFACE IS PROVIDED (I.E. COMPACTED AND LEVEL PER PROJECT SPECIFICATIONS).
  - SECTION HEIGHTS, SLAB/WALL THICKNESSES, AND KEYWAYS ARE SUBJECT TO CHANGE AS REQUIRED FOR SITE REQUIREMENTS AND/OR DUE TO PRODUCT AVAILABILITY AND PRODUCTION FACILITY CONSTRAINTS.
  - FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT OLDCASTLE INFRASTRUCTURE.
  - MAXIMUM PICK WEIGHTS:
    - TOP SLAB: XX,XXX LBS
    - RISER: XX,XXX LBS
    - BASE: XX,XXX LBS\* (\* COMBINED WEIGHT OF BASE INCLUDES FALSE FLOOR, AND PRODUCT INTERNALS.)
  - INTERNALS SHALL CONSIST OF CARTRIDGES, INLET/BYPASS ASSEMBLIES, FALSE FLOOR AND FALSE FLOOR SUPPORT SPACERS.

**Oldcastle Infrastructure**  
A CRH COMPANY

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PerkiFilter® Manhole (STANDARD)  
Ø84" with 18" Cartridges

CUSTOMER: -

PROJECT NAME: -

SHEET NAME	REVISION	SHEET
Specifier Drawing PFMH-84-18	-	1 OF 1

