

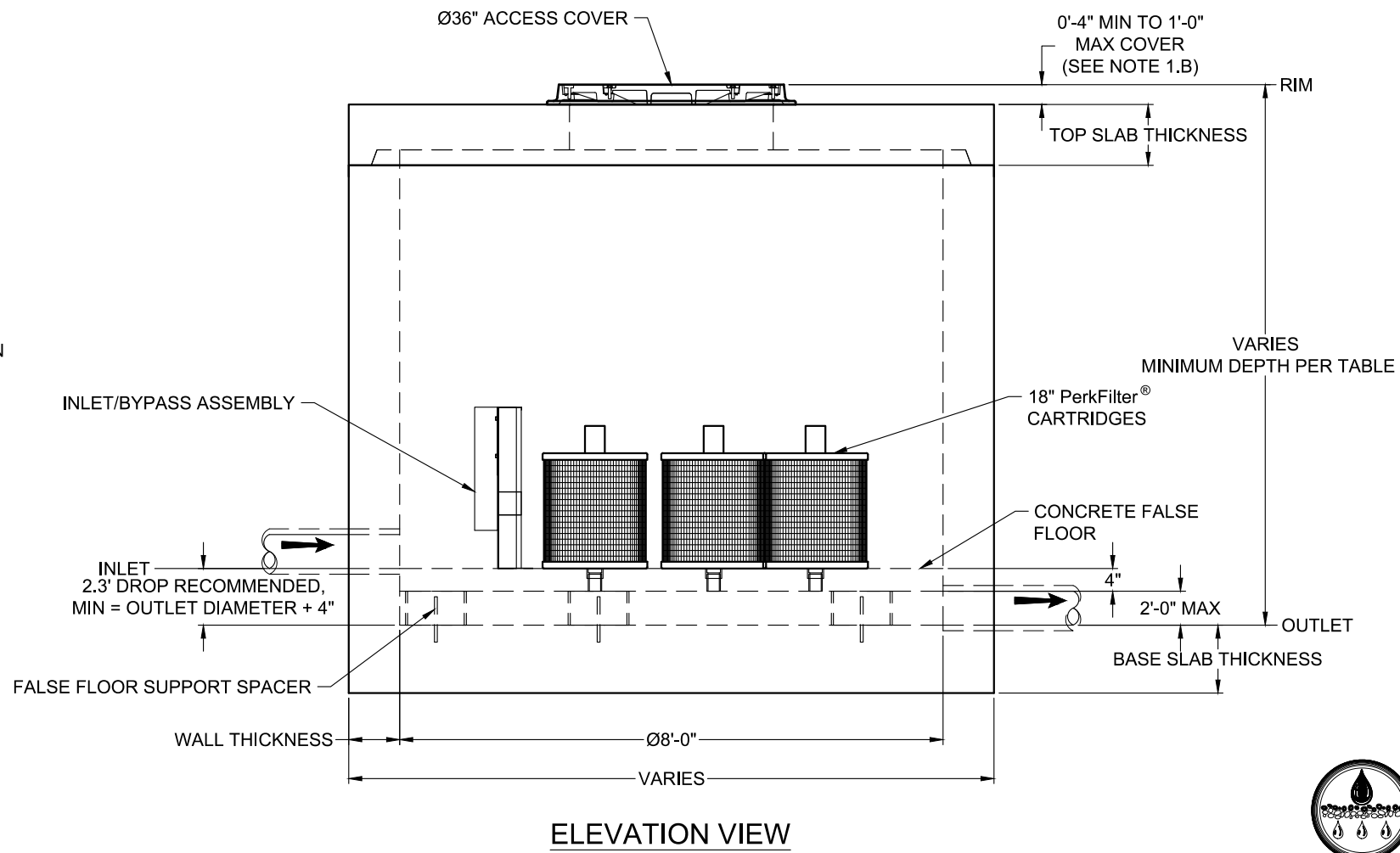
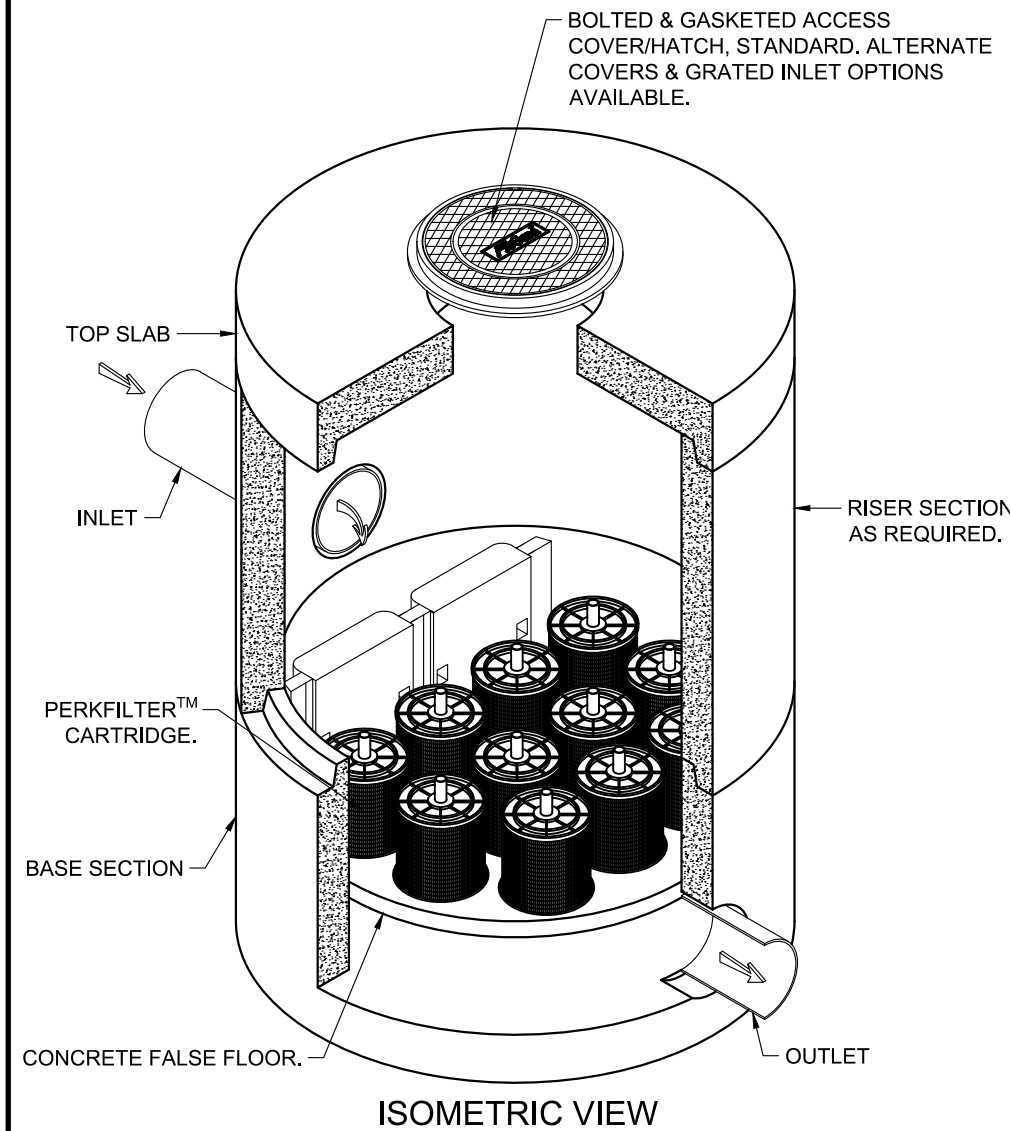
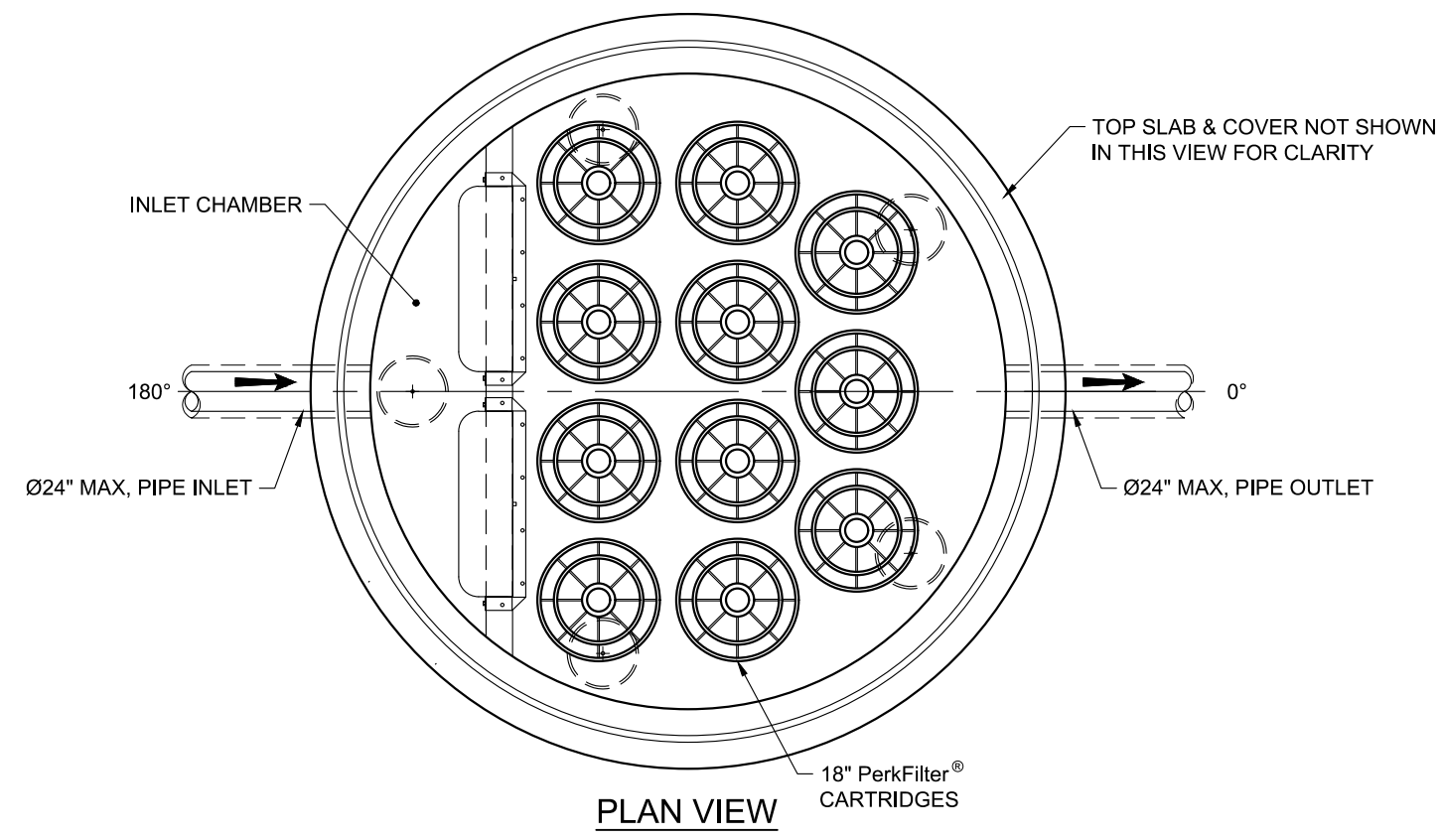
SITE SPECIFIC DATA					MINIMUM DEPTH	
Structure ID	-				Outlet Pipe Size	Minimum Rim to Outlet Depth
Treatment Flow Rate (gpm/cfs)	-				Ø6"	4.75'
Peak Flow Rate (cfs)	-				Ø8"	5.00'
Cartridge Quantity	-				Ø10"	5.00'
Rim Elevation	-				Ø12"	5.25'
					Ø15"	5.75'
					Ø18"	6.00'
					Ø21"	6.25'
					Ø24"	6.50'

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

Notes:  
-

PERFORMANCE SPECIFICATIONS	
Peak Treatment Capacities: <sup>1</sup>	
Max. Cartridge Quantity	11
NJDEP 80% Removal, 75 micron	224.4 gpm / 0.500 cfs
WA Ecology GULD - Basic & Phosphorus	112.2 gpm / 0.250 cfs
Max. Bypass Capacity	6.10 cfs

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



- 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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**PerkFilter® Manhole (STANDARD)**  
Ø96" with 18" Cartridges

CUSTOMER: -  
PROJECT NAME: -

SHEET NAME	REVISION	SHEET
Specifier Drawing PFMH-96-18	-	1 OF 1

Media Filtration