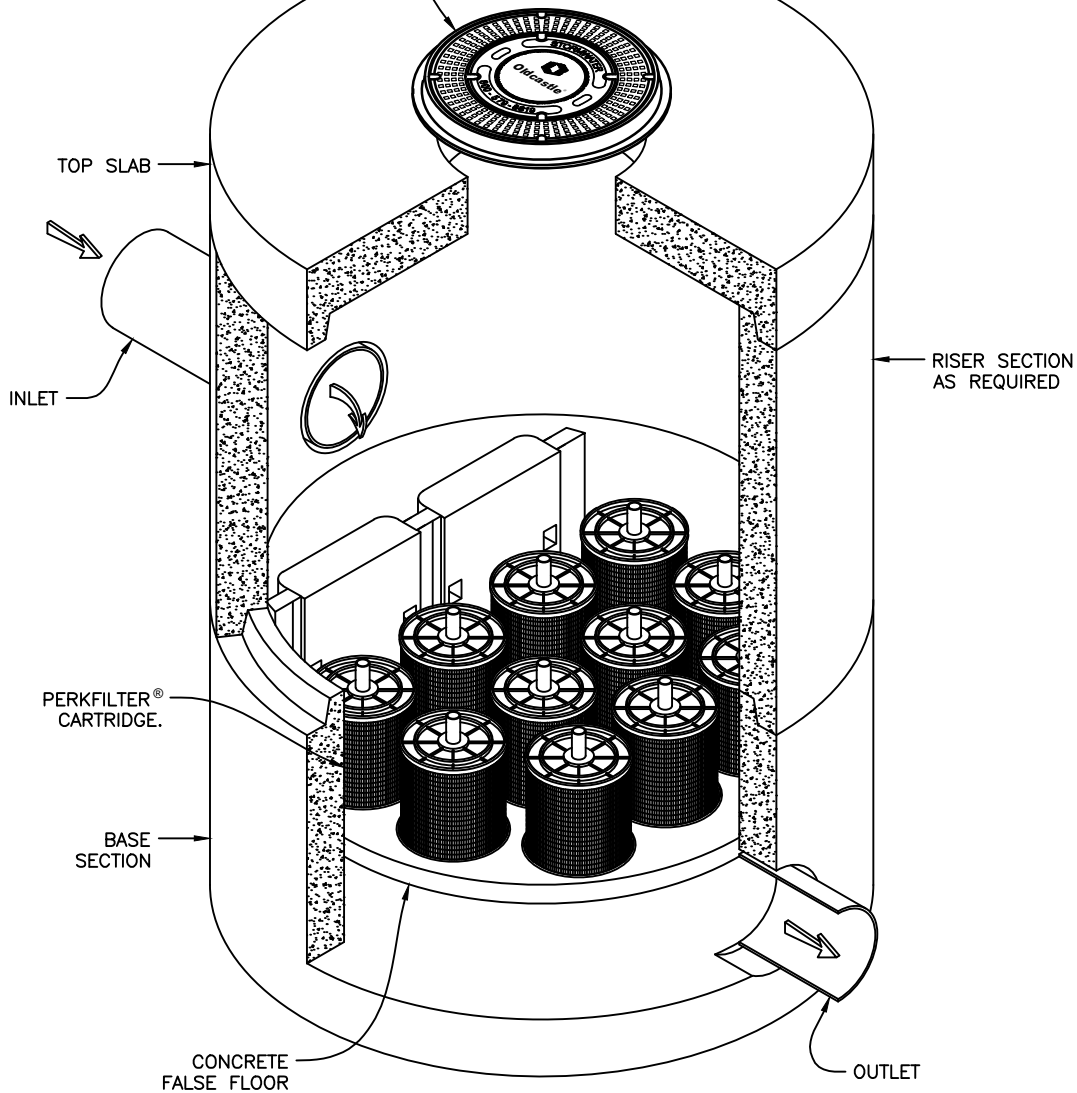


BOLTED & GASKETED ACCESS COVER/HATCH, STANDARD. ALTERNATE COVERS & GRATED INLET OPTIONS AVAILABLE.



Notes:

1. Precast concrete structure shall be manufactured in accordance with ASTM Designation C478.
2. Filter system shall be supplied with traffic rated (H20) bolted & gasketed Ø36" circular access covers with risers as required. Field poured concrete collar required, by others.
3. Inlet & outlet pipe(s) are to be Ø24" maximum. Inlet pipes must enter the structure in the inlet chamber.
4. Inlet chamber shall be supplied with drain-down device designed to remove standing water between storm events.
5. Minimum separation between invert in & invert out is outlet pipe diameter plus 4.00".
6. For depths less than specified minimums contact Oldcastle Infrastructure for engineering assistance.



Media Filtration

PerkFilter®

Ø96" Manhole

One to Eleven Cartridges / Stacks



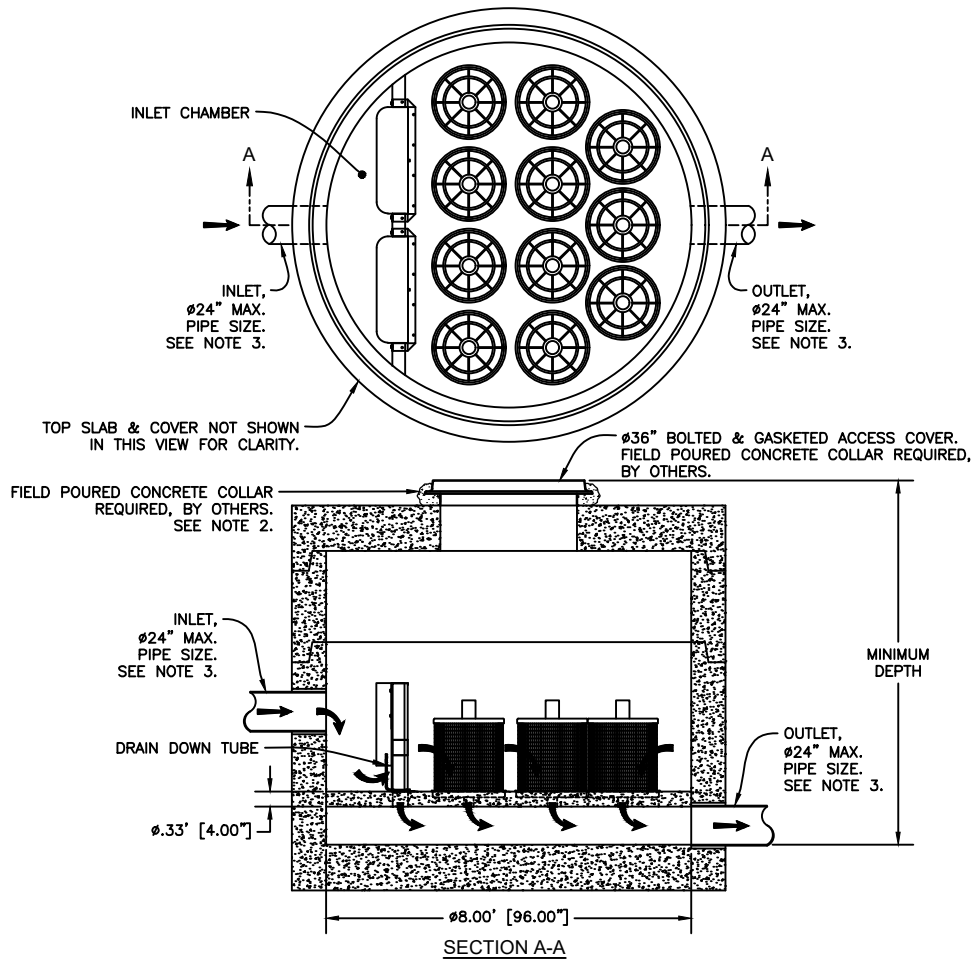
Oldcastle Infrastructure™

A CRH COMPANY

Ph: 800.579.8819 | www.oldcastleinfrastructure.com/stormwater

THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE INFRASTRUCTURE, INC. IT IS CONFIDENTIAL, SUBMITTED FOR REFERENCE PURPOSES ONLY AND SHALL NOT BE USED IN ANY WAY INJURIOUS TO THE INTERESTS OF, OR WITHOUT THE WRITTEN PERMISSION OF OLDCASTLE INFRASTRUCTURE, INC. COPYRIGHT © 2020 OLDCASTLE INFRASTRUCTURE, INC. ALL RIGHTS RESERVED.

DRAWING NO. PF-MH-96	REV A	ECO ECO-0168 ARG 1/22/2020	DATE PPS 1/23/20	SHEET 1 OF 2
-------------------------	----------	----------------------------------	---------------------	--------------



Minimum Depth

PIPE SIZE	Ø6"	Ø8"	Ø10"	Ø12"	Ø15"	Ø18"	Ø21"	Ø24"
CARTRIDGE TYPE	MINIMUM DEPTH RIM TO OUTLET	MINIMUM DEPTH RIM TO OUTLET	MINIMUM DEPTH RIM TO OUTLET	MINIMUM DEPTH RIM TO OUTLET	MINIMUM DEPTH RIM TO OUTLET	MINIMUM DEPTH RIM TO OUTLET	MINIMUM DEPTH RIM TO OUTLET	MINIMUM DEPTH RIM TO OUTLET
12"	4.00' [48.00"]	4.25' [51.00"]	4.25' [51.00"]	4.50' [54.00"]	5.00' [60.00"]	5.25' [63.00"]	5.50' [66.00"]	5.75' [69.00"]
18"	4.75' [57.00"]	5.00' [60.00"]	5.00' [60.00"]	5.25' [63.00"]	5.75' [69.00"]	6.00' [72.00"]	6.25' [75.00"]	6.50' [78.00"]
12" + 12"	5.75' [69.00"]	5.75' [69.00"]	6.25' [75.00"]	6.25' [75.00"]	6.50' [78.00"]	6.75' [81.00"]	7.00' [84.00"]	7.25' [87.00"]
12" + 18"	6.25' [75.00"]	6.25' [75.00"]	6.75' [81.00"]	6.75' [81.00"]	7.00' [84.00"]	7.25' [87.00"]	7.50' [90.00"]	7.75' [93.00"]

Ø96" PERKFILTER MANHOLE
TREATMENT FLOW RATES, TOTAL FLOW CAPACITIES & MAXIMUM HEAD LOSS

CARTRIDGE STACK QUANTITY	CARTRIDGE STACK CONFIGURATION							
	12"		18"		12" & 12"		12" & 18"	
	TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)	TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)	TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)	TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)
1	12 / 0.03	4.94	18 / 0.04	6.10	24 / 0.05	6.90	30 / 0.07	7.24
2	24 / 0.05	4.94	36 / 0.08	6.10	48 / 0.11	6.90	60 / 0.13	7.24
3	36 / 0.08	4.94	54 / 0.12	6.10	72 / 0.16	6.90	90 / 0.20	7.24
4	48 / 0.11	4.94	72 / 0.16	6.10	96 / 0.21	6.90	120 / 0.27	7.24
5	60 / 0.13	4.94	90 / 0.20	6.10	120 / 0.27	6.90	150 / 0.33	7.24
6	72 / 0.16	4.94	108 / 0.24	6.10	144 / 0.32	6.90	180 / 0.40	7.24
7	84 / 0.19	4.94	126 / 0.28	6.10	168 / 0.37	6.90	210 / 0.47	7.24
8	96 / 0.21	4.94	144 / 0.32	6.10	192 / 0.43	6.90	240 / 0.53	7.24
9	108 / 0.24	4.94	162 / 0.36	6.10	216 / 0.48	6.90	270 / 0.60	7.24
10	120 / 0.27	4.94	180 / 0.40	6.10	240 / 0.53	6.90	300 / 0.67	7.24
11	132 / 0.29	4.94	198 / 0.44	6.10	264 / 0.59	6.90	330 / 0.73	7.24
MAXIMUM HEAD LOSS	1.7 FEET		2.3 FEET		2.9 FEET		3.5 FEET	



PerkFilter®

Ø96" Manhole

One to Eleven Cartridges / Stacks



Oldcastle Infrastructure™

A CRH COMPANY

Ph: 800.579.8819 | www.oldcastleinfrastructure.com/stormwater

THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE INFRASTRUCTURE, INC. IT IS CONFIDENTIAL, SUBMITTED FOR REFERENCE PURPOSES ONLY AND SHALL NOT BE USED IN ANY WAY INJURIOUS TO THE INTERESTS OF, OR WITHOUT THE WRITTEN PERMISSION OF OLDCASTLE INFRASTRUCTURE, INC. COPYRIGHT © 2020 OLDCASTLE INFRASTRUCTURE, INC. ALL RIGHTS RESERVED.

DRAWING NO. PF-MH-96	REV A	ECO ECO-0168 ARG 1/22/2020	DATE PPS 1/23/20	SHEET 2 OF 2
-------------------------	----------	----------------------------------	---------------------	--------------