

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®

Ø72" Manhole

One to Five Cartridges / Stacks



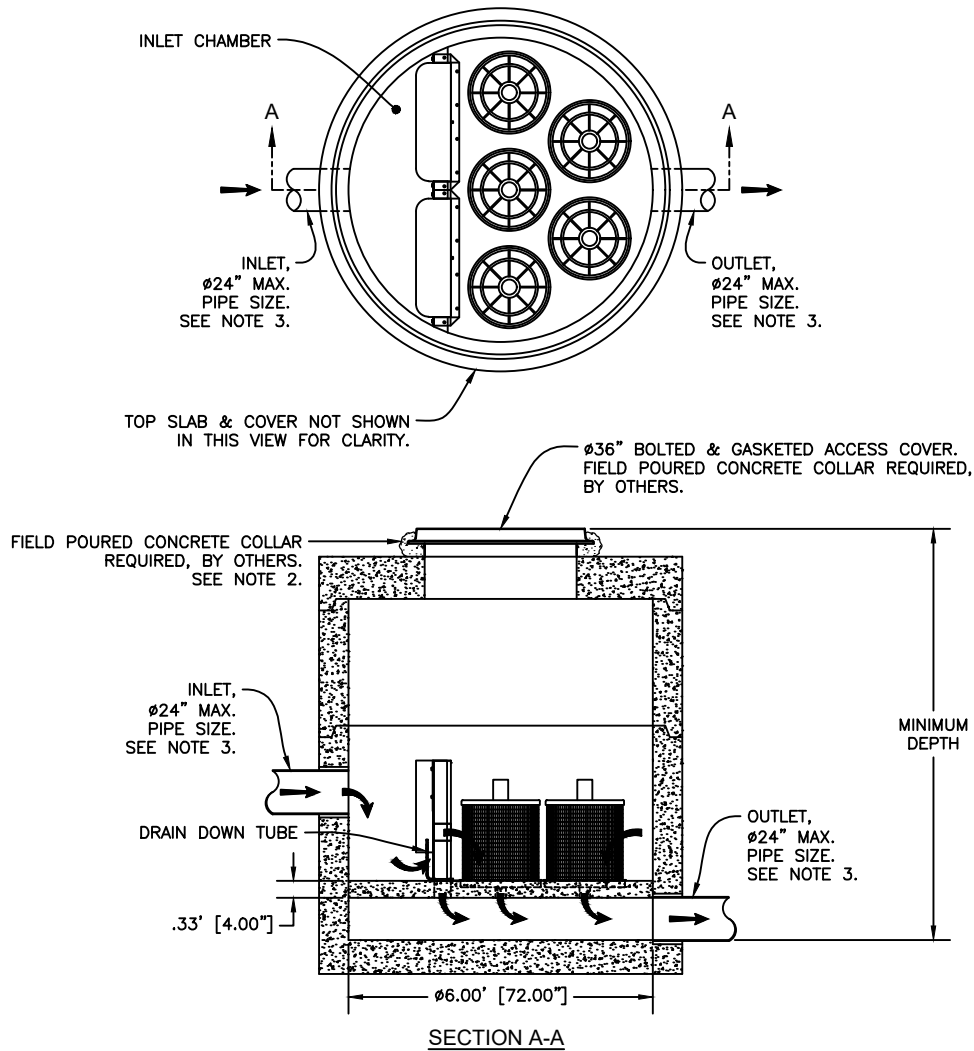
Oldcastle Infrastructure™

A CRH COMPANY

Ph: 800.579.8819 | www.oldcastleinfrastructure.com/stormwater

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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"	4.08' [49.00"]	4.08' [49.00"]	4.33' [52.00"]	4.58' [55.00"]	4.83' [58.00"]	5.08' [61.00"]	5.33' [64.00"]	5.58' [67.00"]
18"	4.83' [58.00"]	4.83' [58.00"]	5.08' [61.00"]	5.33' [64.00"]	5.58' [67.00"]	5.83' [70.00"]	6.08' [73.00"]	6.33' [76.00"]
12" + 12"	5.58' [67.00"]	5.83' [70.00"]	6.08' [73.00"]	6.33' [76.00"]	6.58' [79.00"]	6.83' [82.00"]	7.08' [85.00"]	7.33' [88.00"]
12" + 18"	6.08' [73.00"]	6.33' [76.00"]	6.58' [79.00"]	6.83' [82.00"]	7.08' [85.00"]	7.33' [88.00"]	7.58' [91.00"]	7.83' [94.00"]

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
MAXIMUM HEAD LOSS	1.7 FEET		2.3 FEET		2.9 FEET		3.5 FEET	



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