


PIPE SIZE MIN. TO MAX.	W	A I T. W	Y	H1 BASE	H2 RISER	† MIN.	CAST IN PLACE/PRECAST DIMENSIONS				Min. Distance - (ft.) Top of Curb - Pipe Invert
							WALL REINFORCEMENT		BASE REINFORCEMENT		
							CAST IN PLACE DEFORMED BARS	PRECAST WWR	CAST IN PLACE DEFORMED BARS	PRECAST WWR	
12" - 24"	4'-0"		4'-0"	2' to 10'	1' to 5'	6	NO. 4 @ 6" C/C, 2 LAYERS	4x4, W5.0xW5.0	4x4, W7.0xW7.0	4x4, W7.0xW7.0	3.84
15" - 24"	4'-0"		4'-0"	3' to 10'	1' to 5'	6	NO. 4 @ 6" C/C, 2 LAYERS	4x4, W5.0xW5.0	4x4, W7.0xW7.0	4x4, W7.0xW7.0	4.11-4.92
27" - 33"	4'-0"		4'-0"	4' to 10'	1' to 5'	6	NO. 4 @ 6" C/C, 2 LAYERS	4x4, W5.0xW5.0	4x4, W7.0xW7.0	4x4, W7.0xW7.0	5.19-5.73
36"	4'-0"		4'-0"	5' to 10'	1' to 5'	6	NO. 4 @ 6" C/C, 2 LAYERS	4x4, W5.0xW5.0	4x4, W7.0xW7.0	4x4, W7.0xW7.0	6.00
42"	4'-0"	6'-0"	6'-0"	5' to 10'	1' to 5'	7	NO. 4 @ 6" C/C, 2 LAYERS	4x4, W7.0xW7.0	4x4, W10.5xW10.5	4x4, W10.5xW10.5	6.55
48" - 54"	4'-0"	6'-0"	6'-0"	6' to 10'	1' to 5'	7	NO. 4 @ 6" C/C, 2 LAYERS	4x4, W7.0xW7.0	4x4, W10.5xW10.5	4x4, W10.5xW10.5	7.09-7.63
60"	4'-0"		6'-0"	7' to 10'	1' to 5'	7	NO. 4 @ 6" C/C, 2 LAYERS	4x4, W7.0xW7.0	4x4, W10.5xW10.5	4x4, W10.5xW10.5	8.17
66" - 72"	6'-0"		8'-0"	8' to 10'	1' to 5'	8.5	NO. 4 @ 6" C/C, 2 LAYERS	4x4, W10.0xW10.0	4x4, W12.0xW12.0	4x4, W12.0xW12.0	8.71-9.25
78" - 84"	6'-0"		8'-0"	9' to 10'	1' to 5'	8.5	NO. 4 @ 6" C/C, 2 LAYERS	4x4, W10.0xW10.0	4x4, W12.0xW12.0	4x4, W12.0xW12.0	9.80-10.34

SPECIFICATION 305	CATEGORY CODE ITEMS	
APPROVED	<i>Raff</i> DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT	
	APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 10-7-14	APPROVAL 9-29-14
	REVISED	REVISED
	REVISED	REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
PRECAST OR CAST IN PLACE
SQUARE AND RECTANGULAR COS INLETS
5', 10', 15' & 20'
STANDARD NO. MD 374.61-01