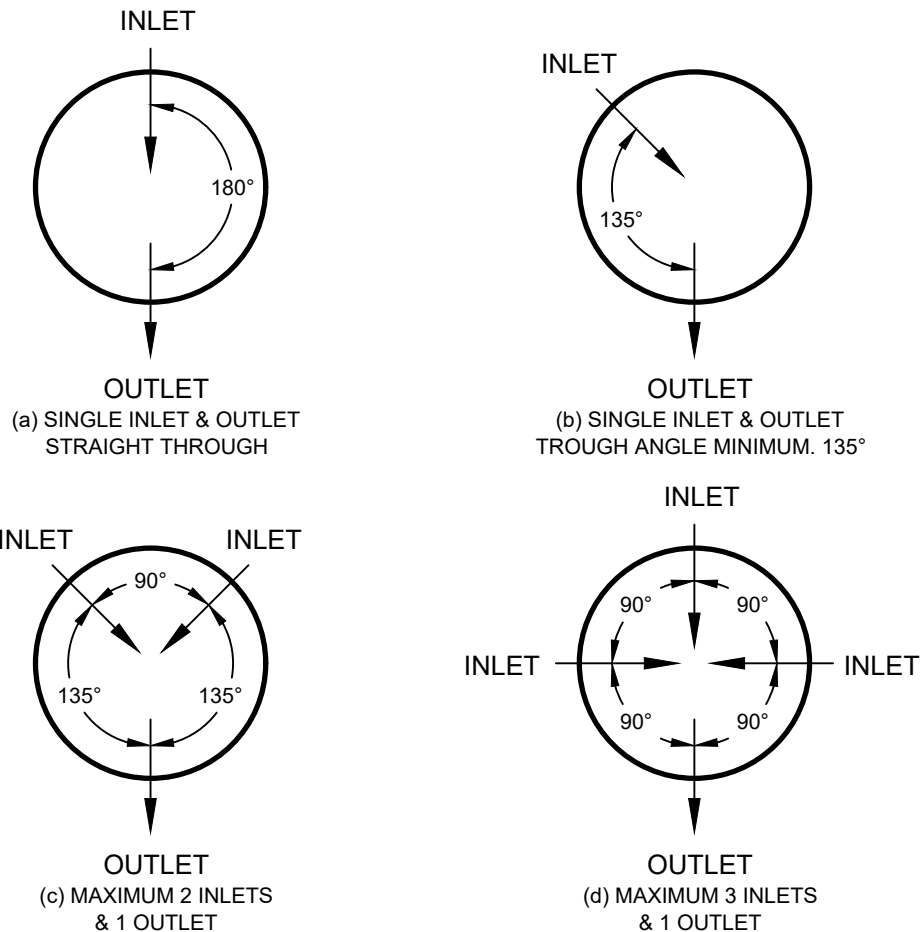


## GENERAL REQUIREMENTS: MANHOLE DIAMETER REQUIREMENTS

Unless otherwise required by the District, the minimum internal diameter of manholes shall be provided in accordance with Table 3A (Manhole Diameter Requirements). Manhole internal diameter must be large enough to accept the maximum pipe size and provide structural support between pipe openings in the wall. The District, at its sole discretion, may require a larger manhole than listed in Table 3A (Manhole Diameter Requirements) based on the District pipe material and diameter, the number of inlets and outlets, trough pattern and invert of the connections, manhole depth, or any other factors deemed pertinent by the District.

Minimum internal manhole diameter shall be selected based on the following criteria:



For alternative configurations, manhole sizing recommendations may be provided by the Manufacturer. The minimum structural support between openings is 6 inches. Recommendations must be supported by design methods (drawings, calculations) provided by the Manufacturer in accordance with applicable industry standards, such as NPCA.



**TABLE 3A. POLYMER CONCRETE MANHOLE DIAMETER REQUIREMENTS**

Minimum Internal Polymer Concrete Manhole Diameter (in)	Criteria	Pipe Size
48-inch	Single inlet and outlet, straight through flow path	8-inch diameter or less
	Maximum 2 inlets, 1 outlet and troughing pattern with no angle less than 135 degrees	8-inch diameter or less
	Maximum 3 inlets, 1 outlet or troughing pattern with no angle less than 90 degrees	8-inch diameter or less
	Drop manholes or force main discharges	8-inch diameter or less
60-inch	Single inlet and outlet, straight through flow path	36-inch diameter or less
	Maximum 2 inlets, 1 outlet and troughing pattern with no angle less than 135 degrees	36-inch diameter or less
	Troughing pattern with no angle less than 115 degrees	30-inch diameter or less
	Maximum 3 inlets, 1 outlet or troughing pattern with no angle less than 90 degrees	24-inch diameter or less
72-inch	Single inlet and outlet, straight through flow path	42-inch diameter or less
	Maximum 2 inlets, 1 outlet and troughing pattern with no angle less than 135 degrees	36-inch diameter or less
	Maximum 3 inlets, 1 outlet or troughing pattern with no angle less than 90 degrees	27-inch diameter or less
84-inch	Single inlet and outlet, straight through flow path	48-inch diameter or less
96-inch	Single inlet and outlet, straight through flow path	54-inch diameter or greater
<b>As Recommended by Manufacturer</b>	All other configurations	As Recommended by Manufacturer

Note: Pipe sizes listed in column three shall be the largest pipe present or to be provided.

