

SUDAS Revision Submittal Form

Status Date: As of 5/18/2022 **Topic:** Storm and sanitary manhole drop
Manual: Design **Manual Location:** Sections 2C-3, G, 6 and 3C-1, L, 5

Requested Revision:

From Section 2C-3 (Intake Design and Spacing), G (Storm Sewer Structure Requirements):

- 6. Invert Drop:** When there is a change in pipe size at a structure, the invert of the smaller sewer must be raised to maintain the same energy gradient. An approximate method of doing this is to place the 0.8 depth point of both sewers at the same elevation. When **the outgoing and incoming pipes are the same diameter and when** there is a change in alignment between storm sewer of 45 degrees or greater, the suggested **drop in the flow line is 0.3 foot and the** minimum manhole drop is 0.10 foot.
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From Section 3C-1 [(Sanitary Sewer) Facility Design], L (Manholes):

5. Minimum Manhole Drop:

- a. Change in alignment - 0 to 45 degrees - none.
- b. Change in alignment across manhole - greater than 45 degrees - 0.10 feet (minimum), **0.30** feet (preferred).

Reason for Revision: Added preferred manhole drop of 0.3 feet and maintained minimum of 0.10 feet.

Comments: None.

District: 1 2 3 4 5 6

Comments: None.

Action: Deferred Not Approved Approved

Final District Action Summary: All 6 districts approved.

Board of Directors Action: Approved.