

The graph below shows the sewage flow analysis performed by CDM as a series of hourly readings connected by a solid line. It also shows, by the heavy line, (drawn by Ralph Bradburd), the flow rate by hour if 55 GPM of sewage were to be added to the normal hourly flow rate between the hours of 11:00 p.m. and 5:00 a.m. It is clear from the graph that the additional sewage will not strain the system or cause the current system to fail.

Actual vs. Projected Hourly Sewage Flow in the Cold Spring Road Force Main Sewer Line

How to read the graph: The flow rate in GPM (gallons per minute) is shown along the vertical axis; the horizontal axis shows date and time. The lighter line on the graph shows the sewage flow actually observed by CDM when it metered the flow of sewage through the Cold Spring Road force main sewer line; the dark line on the graph shows how the hourly sewage flow would differ from the observed flow if 55 GPM of sewage were to be added to the flow between the hours of 11:00 p.m. and 5:00 a.m. daily. The capacity of the force main is 164 GPM. (Dark line calculated and drawn by Ralph Bradburd.)

