

Dear Mattapoisett Resident:

In an effort to better serve you, our customer, the Water & Sewer Department is conducting infiltration and inflow projects in town. We hope that you find this handout educational and will help us to minimize the impacts of infiltration and inflow {1/1} on the sewer system. As part of these projects, the Water & Sewer Department is conducting studies to determine potential sources of 1/1 and, in follow-up work, we will be conducting field inspections to further identify these sources. Together, we can minimize the effects of infiltration and inflow on our sewer system.

What are infiltration and inflow?

Infiltration and inflow {1/1} are two sources of unwanted water in the sewer system. We like to think of inflow as precipitation or surface runoff that enters the sewer through such means as downspouts, sump pumps, interconnections between storm drains and sanitary sewers, and defective manhole covers. On the other hand, infiltration is groundwater, surface water, or municipal water that enters or leaks into a sanitary or combined sewer through such means as a defective pipes, pipe joints or connections, or manhole walls. All sources of 1/1 result in increased sewage flow and unnecessary collection and treatment costs, which are borne by all sewer customers.

IMPORTANT CONTACT INFORMATION

Mattapoisett Water &
Sewer Department
Address: 19 County Road
Phone: (508) 758-4161

*Please contact us if you see any problems with the sewer system or if you have any questions about 1/1.

Town of Mattapoisett
Water & Sewer Department
19 County Road, PO Box 474
Mattapoisett, MA 02739



Mattapoisett

Water & Sewer Department



Infiltration and Inflow

House-to-House Inspections

Prepared by:
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Town of Mattapoisett – Notice to Residents

2015 Infiltration and Inflow Elimination Program

House-to-House Inspections

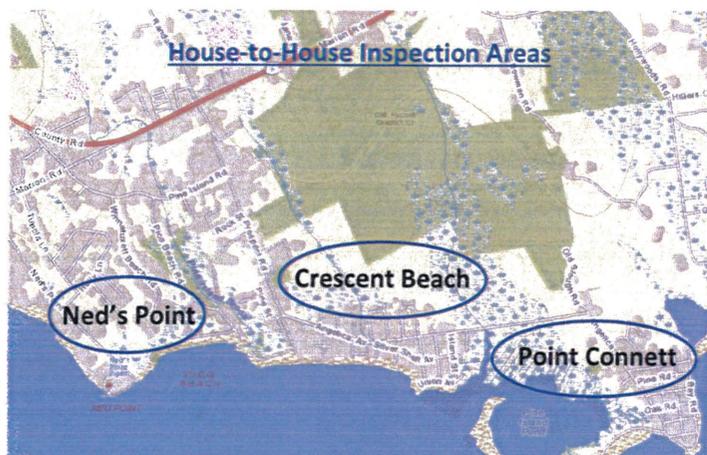
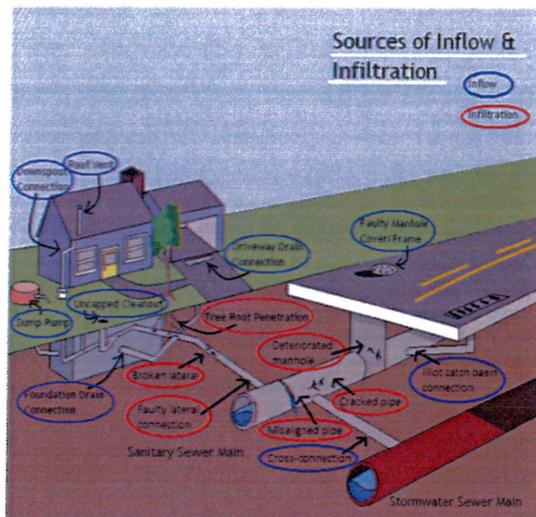
Due to problems with excessive flows in the sewer system, the Town is conducting an Infiltration and Inflow Elimination Program in order to identify sources of infiltration and inflow and to determine the most effective way to reduce infiltration and inflow. Over the course of the next two months, the Water & Sewer Department will be identifying sources of infiltration and inflow, including performing house-to-house inspections.

Why are infiltration and inflow a problem?

Infiltration and inflow are two sources of water that do not belong in the sewer system. The sewer system was designed to collect sanitary flow, such as water from flushing toilets, showering, or washing dishes. When I/I enters the sewer system, it causes increased flows and consequently increases the collection and treatment costs, which are borne by all sewer ratepayers. In extreme cases, high flows can cause sewer backups and overflows, which are detrimental to public health and the environment.

What is the Town doing to find sources of infiltration and inflow?

The Town is performing investigations of the sewer system to identify sources of unwanted water. These investigations will include manhole inspections, smoke testing sewer mains, and performing house-to-house inspections for the presence of illicit connections. House-to-house inspections will begin in October and are scheduled to be completed in November. Please visit <http://www.mattapoisett.net/water-sewer-department> for schedule updates.



What are house-to-house inspections?

House-to-house inspections are an investigation into a building or home for the presence of illicit connections. Illicit connections are illegal sources of water entering the sewer system, such as downspout connections, sump pump connections, and other connections into the sewer system, other than a building's primary sewer connection. House-to-house inspections will be conducted by OSD Engineering Consultants on behalf of the Water & Sewer Department. The inspection team will request access to homeowners' basements to look for sump pumps and floor drains and will walk the yard to inspect downspout discharge points and yard drains. The average inspection

will last about 15 minutes. All members of the inspection team will carry identification badges and the Police Department will be notified of the inspections. The Town urges all residents to cooperate with the inspection team and provide them access to their basement.

What is the goal of the Infiltration and Inflow Elimination Program?

The ultimate goal of these investigations is to improve sewer operations and reduce the costs of collecting and treating infiltration and inflow. The Town hopes that residents will help the Water & Sewer Department reduce the costs of collection and treatment by helping to identify sources of infiltration and inflow.

Any questions about the Infiltration and Inflow Elimination Program may be directed to Superintendent Nick Nicholson of the Water & Sewer Department at 508-758-4161 or Sean Osborne of OSD Engineering Consultants at 781-538-4636.