

City of Grosse Pointe Park

15115 EAST JEFFERSON AVENUE □ GROSSE POINTE PARK, MICHIGAN 48230 □ PHONE (313) 822-6200

Date: May 11, 2017

To: Residents of the City of Grosse Pointe Park

From: City of Grosse Pointe Park
City Administration

RE: SUMMER 2017 COMMUNICATOR UPDATE

The City would like to make an update to the Summer 2017 Communicator. In the report from Mayor Bob Denner it references the continuing progress of the City of Grosse Pointe Park and Stantec to upgrade the City storm preparedness. "The City has been working diligently to improve our capability to manage extreme rain events that affect our sanitary sewer system. A separate article summarizes the steps taken to date and near term plans for improvements in this area". Due to the size of the article and several others they did not make the final cut and would be in the next edition. We apologize for the miss-step and thank you for your cooperation.

Park Activity since September 2016 Storm Event

The City of Grosse Pointe Park and Stantec, the City's engineering firm has been diligently working to explore all methods of reducing inflow to the Jefferson/Sanitary system, upgrade capacity and handling emergency events. Further undertakings by the City will be periodically posted on the City website.

The Transformers and switch gear have been replaced, upgraded and moved to the top floor of the Jefferson pump station. Public Works has been working on plugging manhole covers that are missing plugs and will soon begin sealing catch basins. Stantec and the City are planning Fog/Smoke testing on the North side of Jefferson this spring/summer, additional details to follow.

In November of 2016, the City and Stantec Engineers began to conduct Fog/Smoke testing City streets south of Jefferson. The purpose of this test was to identify sources of rainwater inflow and infiltration to the sanitary sewer system and identify methods to remove excess wet weather flows from the sewer system. In early December the testing was postponed with the incoming winter season until spring. However with the abnormal winter the Park experienced in January the City restarted the Fog/Smoke Testing and finished in the 1st week of February. Footing, driveway, backyard drains and connected downspouts to the Jefferson/Sanitary system all contribute to increased flow within the sanitary system. The City has found throughout the Fog/Smoke testing there are sources of inflow contributing to the Jefferson/Sanitary system. Residents with inflow contributors will be notified by the City on how to disconnect. With residents disconnecting inflow contributors from the Jefferson/Sanitary system this will help reduce the burden on the station.

Fast Facts on how much water a home contributes:

- On average a household wastewater flow equals to about 145 to 175 gallons per day
- Typical rooftop runoff volume for a 1,500 square foot roof with downspout connections from a 1 inch rain event equals approximately 1,000 gallons
- Typical sump pump flow is approximately 2,400 gallons per hour

Stantec recommends a number of solutions residents can take to reduce impact

- Install residential backwater valves
- Install sump pump for footer tiles

- Install ejector pump for basement waste drains
- Disconnect remaining downspouts & extend others away from foundations

