

City of Forest Hills
TDEC Small MS4 2016 Notice of Intent
Permit Number TNS075302
November 2022

Project Name: City of Forest Hills Stormwater Asset Management Data Collection and Database Development

Critical Needs Targeted:

1. Asset Management Planning for Sustainable Drinking Water, Wastewater, and Stormwater Systems
2. Achieving Compliance with Local, State, and Federal Drinking Water, Wastewater, and Stormwater Water Quality Requirements

Project Description:

Updating the City of Forest Hills storm system network using GPS for data collection, for inventory and condition assessment will allow the City to manage and maintain our stormwater assets, including open channels, closed drainage systems, cross-drain culverts, and bridges. Stormwater control measure assets will be field located, and stormwater system maps will be produced to meet the MS4 permit requirement. Stormwater infrastructure systems will be evaluated for normal design life, maintenance deficiencies, and structural deficiencies, which will aid in development of a stormwater maintenance plan and stormwater infrastructure capital improvement plan.

Project Schedule: Begin 02/01/23; End 06/31/23

Project Name: Update of City of Forest Hills Stormwater Management Regulations and Stormwater Management Program

Critical Needs Targeted:

1. Achieving Compliance with Local, State, and Federal Drinking Water, Wastewater, and Stormwater Water Quality Requirements
2. Green Infrastructure Best Management Practices / Managing Stormwater

Project Description:

Updating the City of Forest Hills Stormwater Management Regulations/Ordinance is required to maintain compliance with the new NPDES MS4 permit that became effective on September 1, 2022. The updates will assist the City of Forest Hills in meeting all permit goals and priorities established with the new permit. New stormwater regulations and updated stormwater management program plan will be developed, as well as additional water quality (Green Infrastructure Best Management Practices) and water quantity requirements to be established by the City for regulation of development and MS4 program compliance.

Project Schedule: Begin 01/01/23; End 06/30/23

Project Name: City of Forest Hills city-wide Stormwater Basin Master Plan

Critical Needs Targeted:

1. Achieving Compliance with Local, State, and Federal Drinking Water, Wastewater, and Stormwater Water Quality Requirements
2. Green Infrastructure Best Management Practices / Managing Stormwater

Project Description:

The City of Forest Hills does not currently have a citywide stormwater basin master plan study. Several areas in the City of Forest Hills experience frequent flooding due to aging or undersized infrastructure, and growth, and the city wishes to not only address known areas of flooding, but also to identify stormwater infrastructure improvements that need to be made to accommodate the aging infrastructure. The City of Forest Hills is. Field data collected as part of the stormwater asset management project will include GPS data that will also be useful in developing drainage basin (i.e. watershed) area maps. These maps will help the city gain an understanding of watershed connectivity and various current/future land uses. The City's watersheds need to be evaluated for both current and future land uses (runoff potential), so that we can ensure that our stormwater infrastructure is properly sized. The citywide stormwater basin master plan will help us to establish a stormwater infrastructure capital improvement plan, which will help the City to budget for phases of capital improvements over time. Several recently identified flood mitigation projects may also be included in the capital improvement plan, such as design and construction of a flood redirection barrier, various undersized road cross-drain structures, and a regional flood storage basin upstream of frequently flooded areas.

Project Schedule: Begin 07/01/23; End 10/30/24