

STORM WATER ACTION TEAM (SWAT) PROGRAM

Rod Pinheiro, P.E., CFM

Assistant Director, City of Houston, Department of Public Works and Engineering, Street & Drainage Division, 611 Walker, 20th Floor, Houston, TX 77002, Phone (832) 395-2274, FAX (832) 395-2987; Email: Rod.Pinheiro@houstontx.gov

Records indicate that numerous areas are experiencing flooding not directly subject to riverine/bayou overbank flooding. These flood-prone areas are generally located in older parts of the City (developed prior to 1985) and have either inadequate and/or undersized infrastructure.

On January 11, 2017 Mayor Turner recommended that City Council approves an ordinance of \$10 million dollars to fund projects related to the SWAT Program in an effort to reduce localized non- riverine drainage problems that continue to occur throughout the City.

SWAT's goal is to expand maintenance capabilities in order to improve the conveyance of the day-to- day storm events through rehab and/or upgrades to the existing drainage infrastructure. The work encompasses everything from replacing storm sewer and outfall pipes, regrading of ditches, replacing culverts not set to the proper flowline, clearing and grubbing, repairing minor erosion problems, and mowing.

Project locations will be determined by reviewing 3-1-1 calls, non-riverine structural flooding locations and known areas with drainage concerns. Projects will be developed by investigating and inspecting the drainage infrastructure and through the implementation of an assessment/work plan to address the area(s) of highest need.

The initial part of this presentation will describe the City's storm water maintenance history. The remaining portion will focus on how the program funds are being used to enhance maintenance capabilities; rehab, upgrade and repair existing infrastructure; lessons learned, and the Program accomplishments.