



## Stormwater Basin Master Plan

This project involves conducting an inventory of the existing Village-wide stormwater system and development of a geographic information system (GIS) database. The plan will determine the impact of sea level rises and global warming effects on the Village's stormwater infrastructure and develop a capital improvements program that prioritizes improvements, maintenance and repairs to ensure optimal performance of the system. In and meet the requirements set forth in the National Pollutant Discharge Elimination System permit.

### Project History

Completion of the Village's first *Stormwater Basin Master Plan* was identified as a goal in the 2013 Strategic Plan. In May 2014, the Village Council awarded a contract to ADA Engineering, Inc. to develop the plan over a ten-month period. As part of the process, ADA Engineering would perform an initial evaluation and benchmark inventory of the Village's existing stormwater infrastructure and look at current Level of Service (LOS) of existing systems as well as identify and prioritize problem areas. More specifically, the plan would select, develop and run a model of the existing stormwater drainage system for current and future conditions to determine flows and surface water elevations and identify hydraulic constraints and trouble spots for 24-hour, 2-year, 10-year, 25-year, 50-year and 100-year storm events for the stormwater drainage basins through the village. In addition, the plan would consider the impacts of global warming with respect to sea level and ground level rise.

In the process of development of the plan, the consultant held several workshops to allow input from the public including identification of problem areas that may not have been identified through the hydraulic modeling of the basins. A workshop with representatives from the development community was held on September 23, 2014 and two resident workshops were held on September 30, 2014 and March 3, 2015.

ADA Engineering will present the preliminary findings of the Stormwater Basin Master Plan to the Village Council, as well as the recommendations for changes to the Land Development Regulations and capital improvement projects during the Local Planning Agency meeting that is scheduled to take place on March 17, 2015.

## Stormwater Basin Master Plan Timeline

	Dec 2013	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	June 2014	July 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Village Council commissions study as part of Strategic Plan	X												
Request for Proposal process													
ADA contracted		X											
Study Development		X	X	X	X	X	X						
Resident Workshops								X				X	X

	Jan 2012	Feb 2012	Mar 2012	Apr 2012	May 2012	June 2012	July 2012	Aug 2012	Sep 2012	Oct 2012	Nov 2012	Dec 2012	Jan 2013
Village Council receives draft study	X												
Village Council approves final study with priorities		X											



### Future Action

It is anticipated that the Village Council will approve the final Stormwater Basin Master Plan at the June 9, 2015 Council meeting. Once approved, the Village Manager will include funding recommendations for the prioritized capital improvement projects in the proposed Fiscal Year 2015-2016 Budget.

	Apr 2015	May 2015	June 2015	July 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	Mar 2016	April 2016
Resolution approving Stormwater Basin Master Plan		T	T										
Appropriation of funds for priority capital projects						T	T						