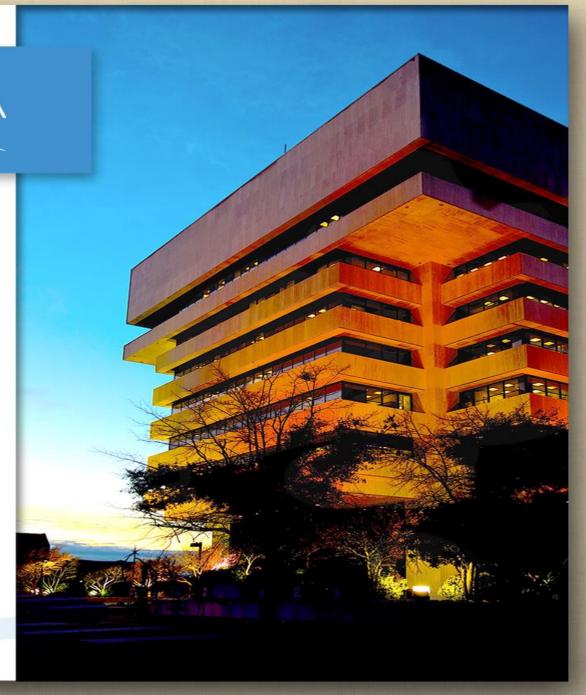
# HAMPTON VA



City Council September 9, 2020



### Purpose

#### Update:

- Resilient Hampton's Newmarket Creek Water Plan
  - Pilot Projects
  - Resilient And Innovative Neighbors (RAIN)
- More Projects
  - Stormwater
  - Dredging



### Background

- Resilient Hampton city-wide report (2018)
  - Vision & Goals
- Newmarket Creek Pilot Area Charette (2019)
  - Stakeholder Engagement
  - Conceptual Designs
- Newmarket Creek Water Plan (2020)
  - Watershed Strategy
  - Community Feedback
  - Fully design and implement initial pilot projects

WAGGONNER &BALL

> Bosch Slabbers

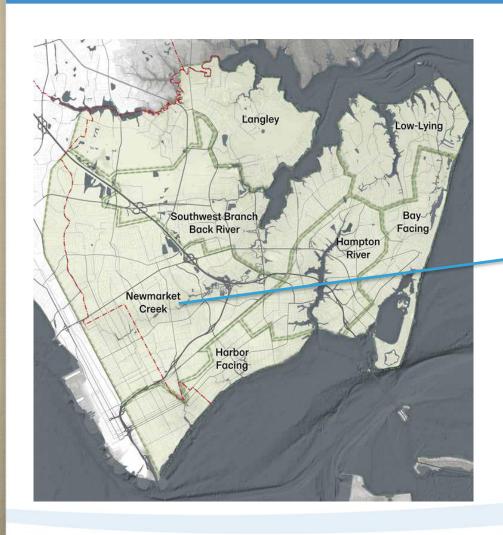


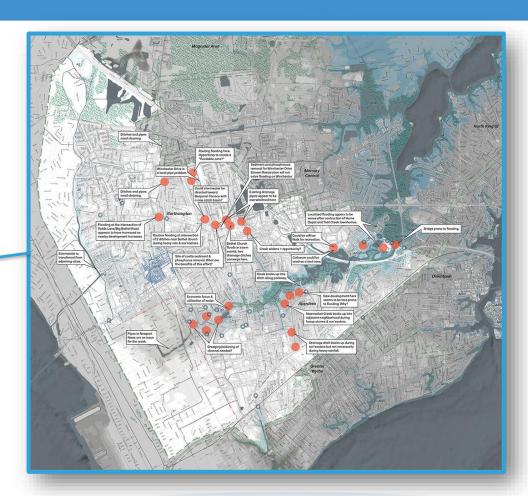






### **Newmarket Creek Pilot Area**







### Approach



#### **SLOW**

Tree canopy, rain gardens, rain barrels, less impervious

#### **STORE**

Space for water as community assets

#### **REDIRECT**

During high tide, temporary

#### **ADAPT**

Where water wants to go, avoid future flooding



## Schedule

Timeframe	Activities
January 2019	Newmarket Creek pilot area design charette
January 2020	Community engagement meeting City Council endorsed conceptual pilot projects
February 2020	Pilot project design and engineering begins
July 2020	City Council adopts Stormwater Fee increase
Fall 2020	RAIN grant program begins
Late 2020	Environmental Impact Bond executed
Spring 2021	Project design and engineering complete
Fall 2021	Construction project bidding First phase of construction begins



## Pilot Project: Big Bethel Blueway



Slow & store water

Water quality

Green infrastructure

Replicable within existing easements



### Pilot Project: Armistead Avenue

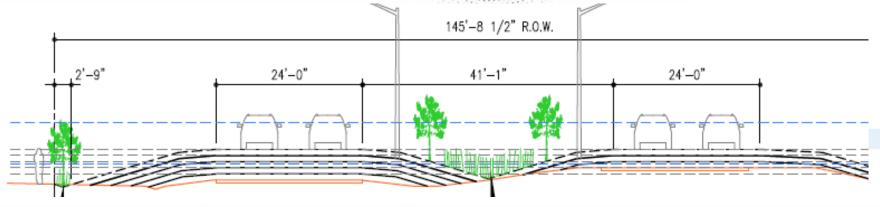


Slow & store water

Water quality

Green infrastructure

Replicable within existing right of way



### Pilot Project: Lake Hampton



Slow & store water

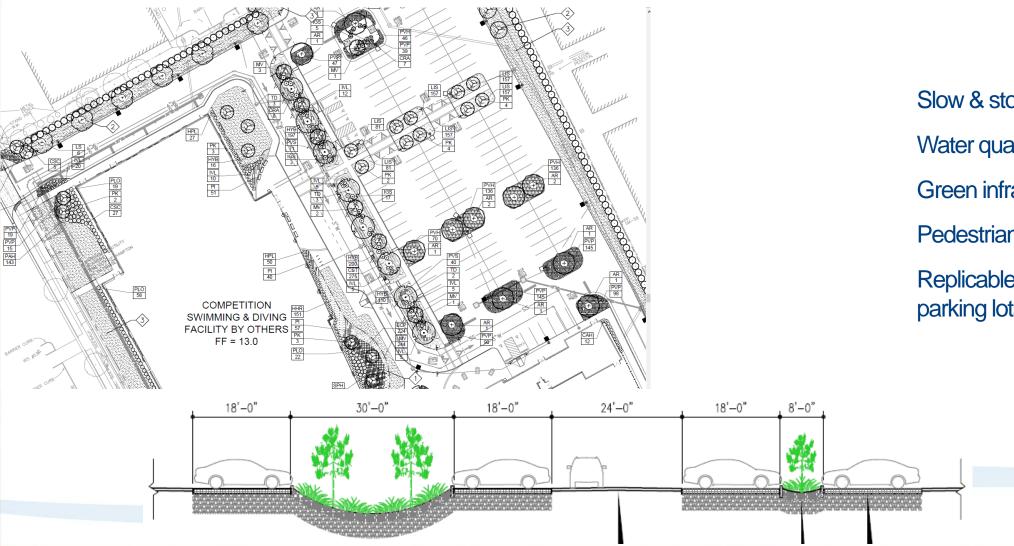
Water quality

Green infrastructure

Replicable to other public spaces



### Pilot Project: Aquatics Center



Slow & store water

Water quality

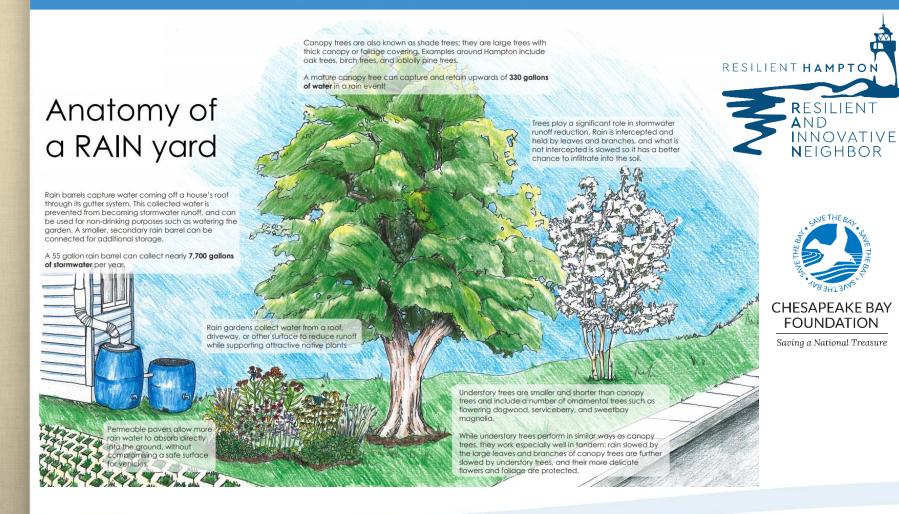
Green infrastructure

Pedestrian experience

Replicable to existing parking lots



### Pilot Projects: RAIN grant

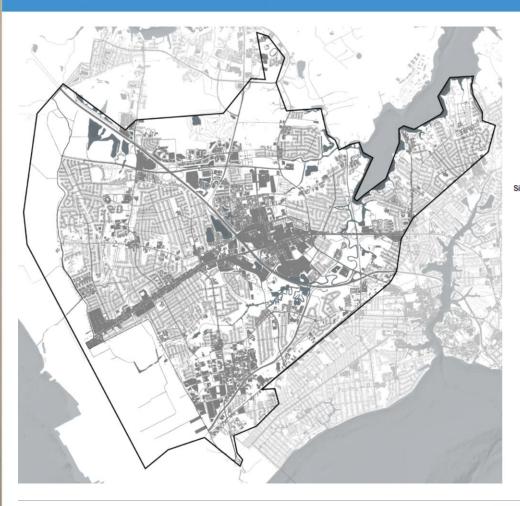


#### Together, let's:

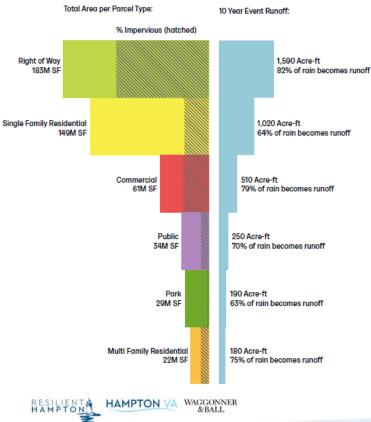
- reduce flooding
- improve waterways of the Chesapeake Bay
- help our downstream neighbors
- enhance your property



### **Impervious Area Limitations**



#### Impervious Surfaces



Limit and reduce impervious area

Reserve green area Improve property



## Improving Waterways & Reducing Flooding





#### Northampton Area:

Drainage Improvements



## Improving Waterways & Reducing Flooding



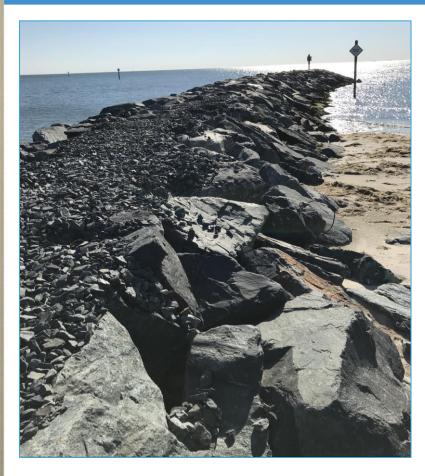


#### **Indian River Creek:**

- Mouth of River Dredging
- Outfall Improvement



## Improving Waterways & Reducing Flooding





#### Salt Ponds Inlet:

- Improvement
- Dredging



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