



# The Five Towns Planning Committee Meeting #5

January 28, 2014

# Tonight's Agenda

**7:00 – 7:10**      **Welcome and Sign-In**

**7:10 – 7:45**      **Presentation**

- Where we are in the process
- Review Priority Project lists for each community
- Review Regional and Shared Priority Projects

**7:45 – 8:15**      **Group Discussion**

- Regional and Shared Projects

**8:15 – 9:00**      **Small Group Discussion**

- Verify priority projects for each community

# Tonight's Agenda

## Objectives of Tonight's Meeting

- Review the NYRCR Process
- Priority Projects confirmed by Planning Committee
- Looking ahead to Public Engagement Meeting #3 (Feb 6<sup>th</sup>)
- Looking ahead to the first draft of the NYRCR Plan

# Group Discussions

## Large Group Discussion

- Establish consensus on Regional and Shared Project Contribution

## Small Group Discussion

- Break out into two groups to ask questions about cost estimates, comment on the order of priority projects, and review featured projects.
- One group will include the four villages (Cedarhurst, Hewlett Harbor, Hewlett Neck, Lawrence).
- The other group will include the four communities from unincorporated Town of Hempstead (Hewlett, Inwood, Meadowmere Park, Woodmere).



# Where we are in the process

**Planning Committee Meeting 1**

*Listening*

**Planning Committee Meeting 2**

*Needs and Opportunities*

**Public Outreach Meeting 1**

*Reviewing Needs and Opportunities*

**Planning Committee Meeting 3**

*Review Draft Conceptual Plan*

**Conceptual Plan Due**  
**(10/28/2013)**

**Public Outreach Meeting 2**

*Present Conceptual Plan/Identify Key Strategies*

**Planning Committee Meeting 4**

*Establishing Priorities*

**Planning Committee Meeting 5**  
1/28/2014

*Detailing NYRCR Projects*

**Public Meeting 3**  
2/6/2014

*Reviewing NYRCR Projects*

**Planning Committee Meeting 6**  
3/11/2014

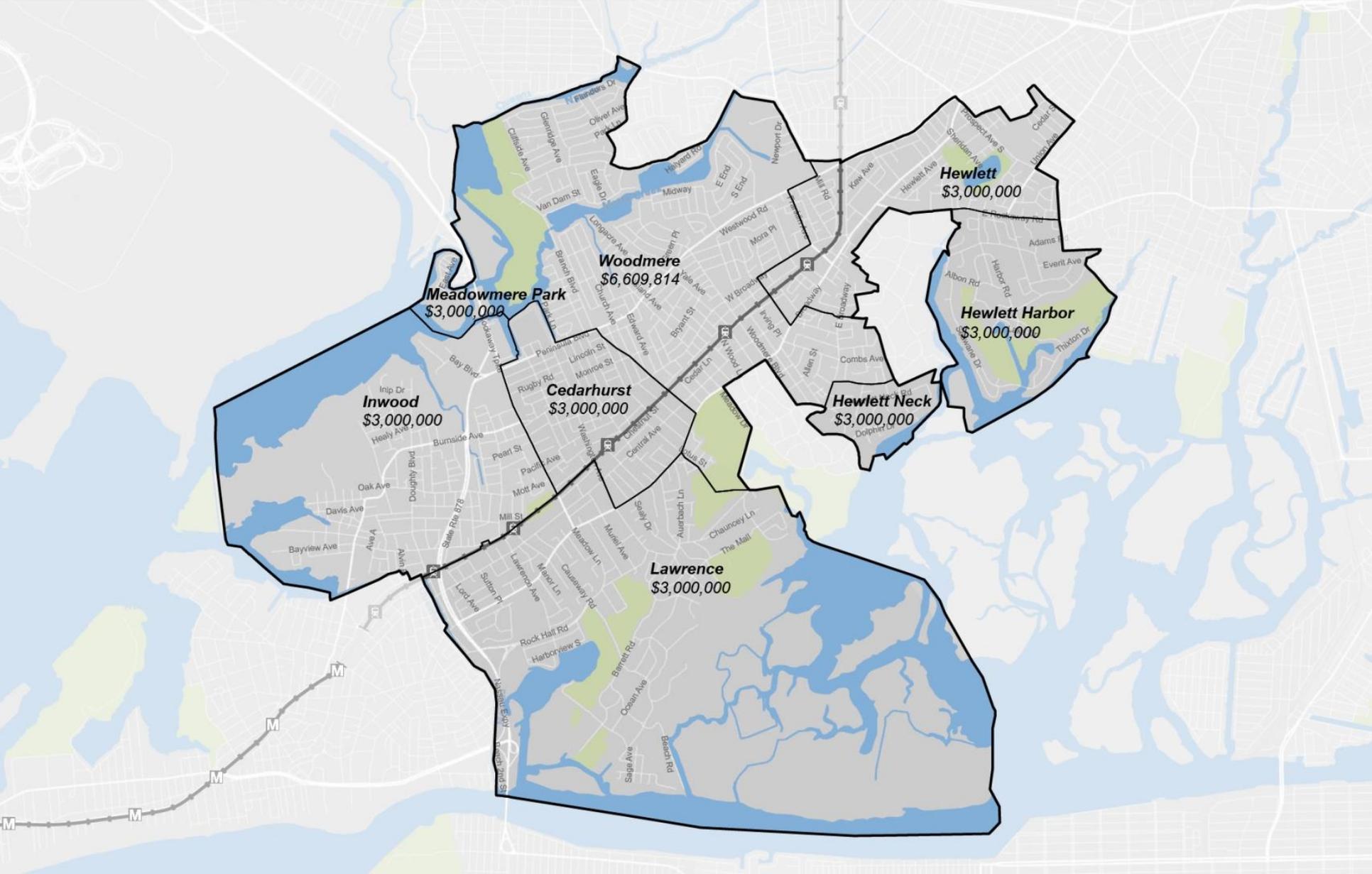
*Review Draft Final NYRCR Plan*

**Final Plan Due**  
**(3/31/2014)**

**Public Meeting 4**

*Presenting the Final NYRCR Plan*

# Five Towns NYRCR Funding Allocation



# Priority and Featured Projects

## Priority Projects

- Projects which are entirely funded by the CDBG-DR allocation.
- If a single project exceeds the CDBG-DR allocation, it has been divided into phases, such that Phase I of the project would be entirely funded by the CDBG-DR funding.

## Featured Projects

- Projects that will be included in the body of the Final Plan as long-term recommendations, including:
  - Phase II of a priority project that exceeds the CDBG-DR allocation.
  - Projects for which matching funds have been identified .
  - Priority projects which will be entirely funded by other sources.
  - Non-capital (advocacy) project, such as regulatory reforms, policy changes and other programs that do not involve capital expenditures.

# Regional and Shared Projects

## Regional Project

- Would benefit communities within the Five Towns as well as other NYRCR Planning Areas.
- Coordination with other Planning Areas to contribute a portion of their CDBG-DR allocation.

## Five Towns Shared Projects

- Projects that have emerged as high priorities for the Five Towns and that would benefit multiple communities, but that would not fit into any one community's funding allocation.

# Regional and Shared Projects

## Regional Project

- Town of Hempstead South Shore Shoreline Improvement Program

## Five Towns Shared Projects

- Five Towns Community Center: Building Upgrades and Disaster Response Plan
- Lawrence High School Hardening and Protection
- Study Rockaway Turnpike Floodgates and Rockaway Turnpike/Nassau Expressway Upgrades
- Renewable Energy Feasibility Study and Action Plan

# Regional Project

## Town of Hempstead South Shore Shoreline Improvement Program

- Cost Estimate: \$40,000 per community
- Program to incentivize continuous shoreline improvements along private property on the shoreline of the Town of Hempstead.
- NYRCR Funds would be used to establish a new 'Flood Protection Benefit District.'
- Initial costs would be paid for, permitted and implemented through coordination by the Town of Hempstead.
- Residents who voluntarily participate will have the option of reimbursing the Town immediately for the cost associated with this work, or have payments attached to their property tax bill for up to 20 years to defray the cost.

# Regional Project

R1 Town of Hempstead Shoreline Improvement Program



## Legend

- Watershed Boundary
- Shoreline Improvement Boundary

# Five Towns Shared Projects

## Five Towns Community Center: Building Upgrades and Disaster Response Plan

- Cost Estimate: \$300,000
- Short term funding for a staff member to assist in community planning for disaster response.
- Expansion of resources to serve as a warming center.
- Funds to create a voluntary database of vulnerable populations, including coordination with police, fire department, and other disaster recovery organizations.
- Purchase of a generator to continue full operations during power outages.
- Addition of laundry facilities as a resource to residents who are impacted by future floods.

## ***Five Towns Community Center Repairs and Disaster Response Plan: \$300,000***

- **Generator Purchase**
- **Expansion of services to include a warming center**
- **Laundry facilities addition as a post-disaster resource**
- **Staffing to assist in disaster response community planning**
- **Creation of a voluntary database of vulnerable populations**



# Five Towns Shared Projects

## Lawrence High School Hardening and Protection

- Cost Estimate: \$1,800,000
- Construction of a sheet pile wall with precast concrete above ground around the school building.
- Gates at access points and landscape plantings.
- The building is above the 100-year flood elevation, so the purpose of the wall is to provide additional protection to the building foundation in storm events.

# Lawrence High School Hardening and Protection

## Option A: \$1,300,000



**7 ft. Movable Floodwall around entire Perimeter**

 **Flood Barrier**

# Lawrence High School Hardening and Protection

## Option B: \$1,800,000 (preferred option)

Existing Outfall  
Structure

Phase 1

Phase 2

Phase 1

- Construction of 18" – 48" high concrete floodwall the eastern and northeastern sides of the building with gates at access points (9) and landscape plantings
- \$900,000

Phase 2

- Floodwall expansion to encompass the north, south, and west sides of the building
- \$900,000

Existing Outfall  
Structure



# Five Towns Shared Projects

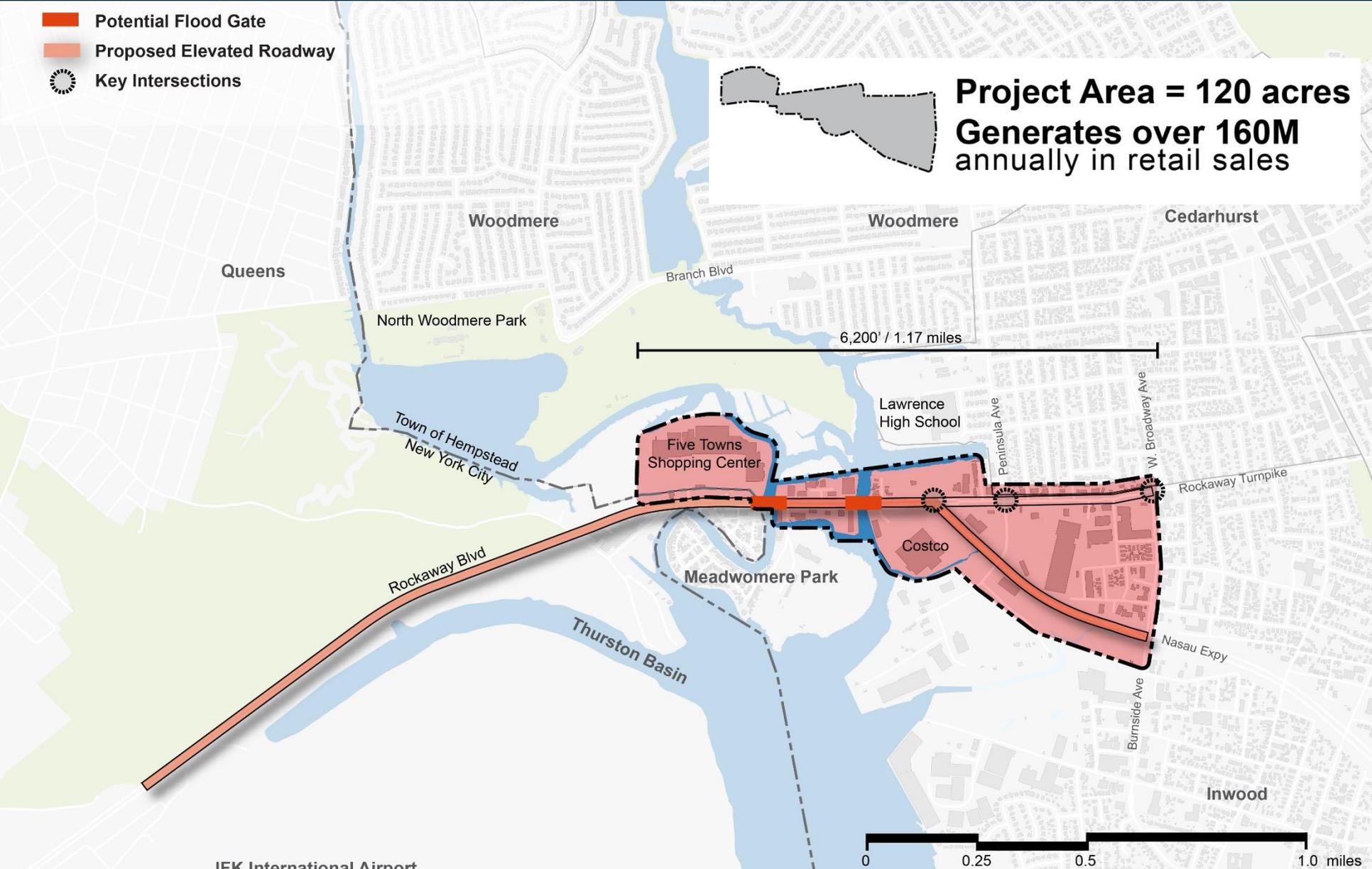
## Study Rockaway Turnpike Floodgates and Rockaway Turnpike/Nassau Expressway Upgrades

- Cost Estimate: \$920,000
- Analyze the construction of floodgates and elevation of Rockaway Turnpike and Nassau Expressway to prevent tidal surge from flowing through the creeks and inundating the surrounded communities.
- Conduct a traffic management study to improve traffic and congestion along Rockaway Turnpike and Nassau Expressway, including the intersections with Peninsula Blvd, Burnside Ave, and West Broadway.
- Study opportunities for economic development in the retail / commercial zones along the Rockaway Turnpike and Nassau Expressway corridors.

# Rockaway Turnpike Floodgates & Rockaway Turnpike/Nassau Expressway Upgrades

-  Potential Flood Gate
-  Proposed Elevated Roadway
-  Key Intersections

**Project Area = 120 acres**  
**Generates over 160M**  
annually in retail sales



# Five Towns Shared Projects

## Identify Locations for Microgrids and Renewable Energy

- Cost Estimate: \$167,000
- Study the installation of microgrids and renewable energy installations at critical assets on high ground to ensure reliable communications and electrical power during emergencies.
- Identification and analysis of sites and creation of a conceptual design for the microgrid network.
- Microgrids include a central power source that is connected to several critical facilities (e.g. gas stations, medical facilities, warming/cooling stations, schools, village halls, etc.)

# Priority Projects: Cedarhurst

**Regional Contribution: \$400,000**

**Stormwater Infrastructure Upgrades – Phase 1: \$2,050,000**

- Hydrologic & Hydraulic study, check valves, pumps, water storage tank

**Removable Flood Walls for DPW Facility: \$500,000**

- Purchase removable flood walls to protect the two buildings on the DPW site.

**Village Hall Disaster Response Plan: \$50,000**

- Implementation of Cedarhurst's Hazard Mitigation Plan
- Installation of backup generators



# Priority Projects: Hewlett

**Regional Contribution: \$400,000**

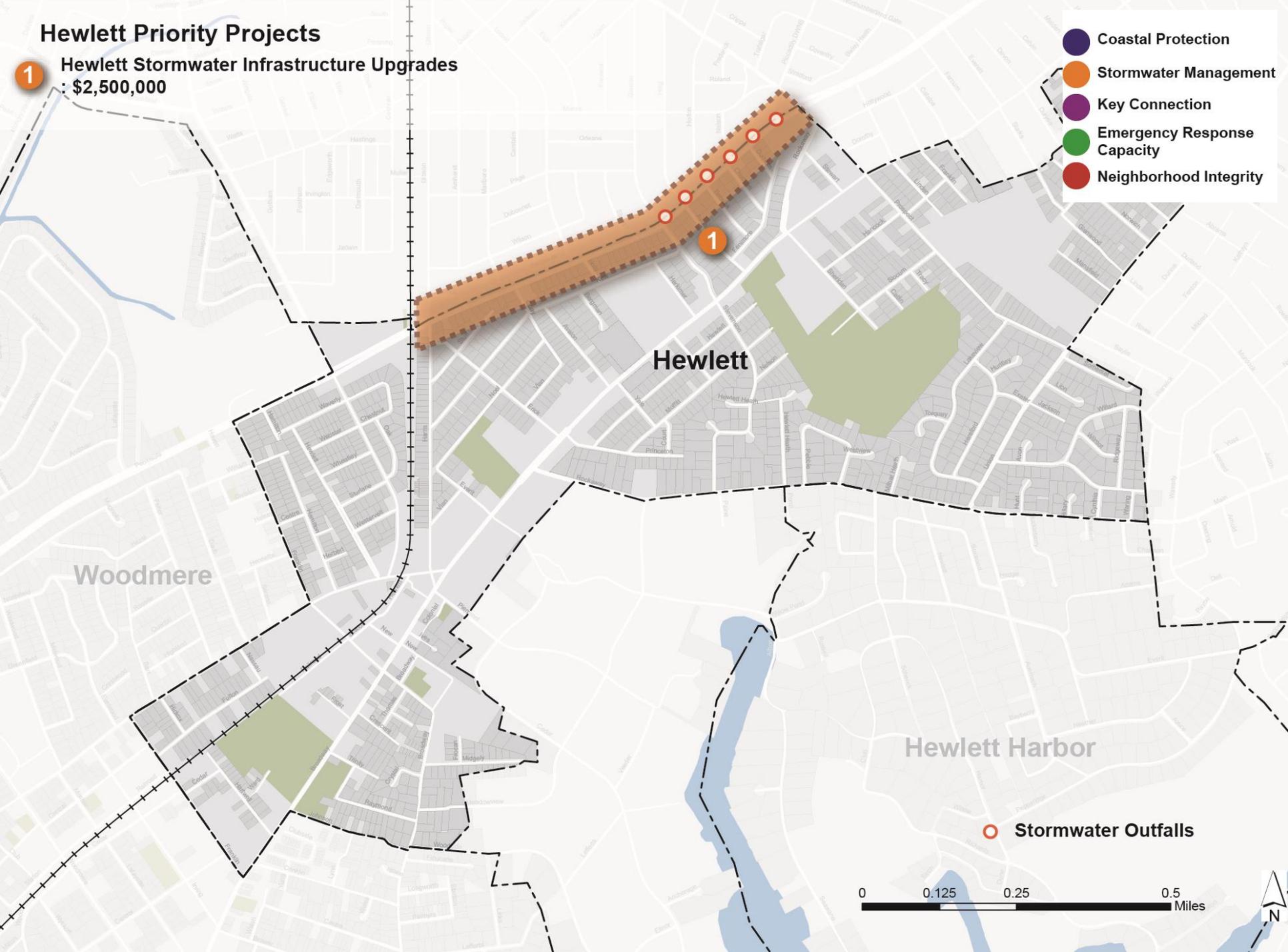
**Stormwater Infrastructure Upgrades: \$2,600,000**

- Hydrologic & Hydraulic study, check valves, pumps, water storage tank, increase pipe carrying capacity

# Hewlett Priority Projects

**1** Hewlett Stormwater Infrastructure Upgrades  
\$2,500,000

- Coastal Protection
- Stormwater Management
- Key Connection
- Emergency Response Capacity
- Neighborhood Integrity



Hewlett

Woodmere

Hewlett Harbor

Stormwater Outfalls

0 0.125 0.25 0.5 Miles



# Priority Projects: Hewlett Harbor

**Regional Contribution: \$400,000**

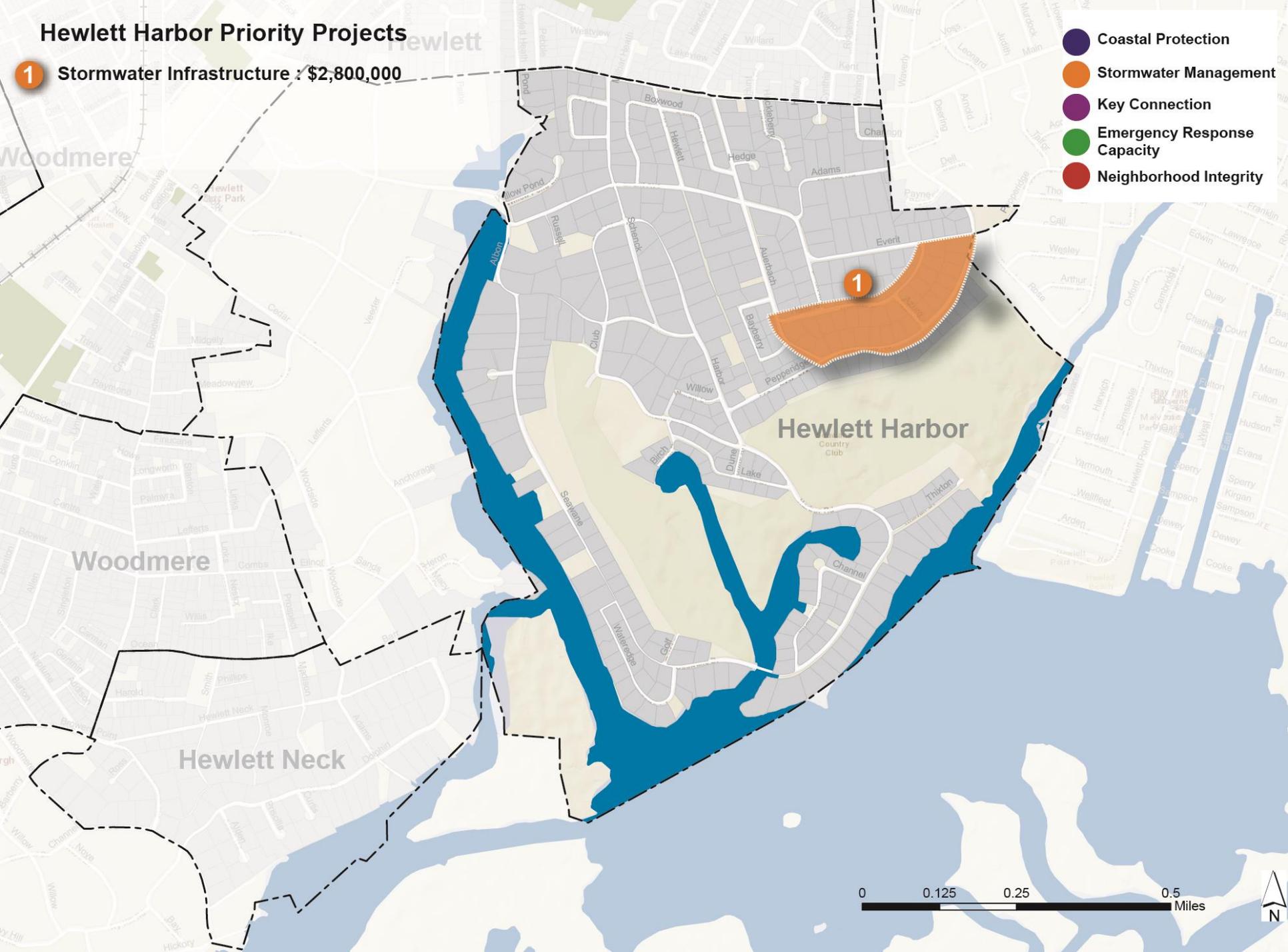
**Stormwater Infrastructure Upgrades: \$2,800,000**

- Hydrologic & Hydraulic study, check valves, pumps, water storage tank, increase pipe carrying capacity.
- Implementation of improvements along Pepperidge Road, Auerbach Avenue, and Heather Lane.
- Flood protections at Village Hall: re-grading the village hall property and directing stormwater into green infrastructure detention areas.
- Installation of backup generator at Village Hall.

# Hewlett Harbor Priority Projects

**1 Stormwater Infrastructure : \$2,800,000**

- Coastal Protection
- Stormwater Management
- Key Connection
- Emergency Response Capacity
- Neighborhood Integrity



# Priority Projects: Hewlett Neck

**Regional Contribution: \$400,000**

**Stormwater Infrastructure Upgrades: \$2,200,000**

- Hydrologic & Hydraulic study, check valves, pumps, water storage tank, increase pipe carrying capacity.
- Improve the stormwater capacity of Woodbine Ditch
- Installation of backup generator at Village Hall.

**Harden Underground Street Light Infrastructure: \$400,000**

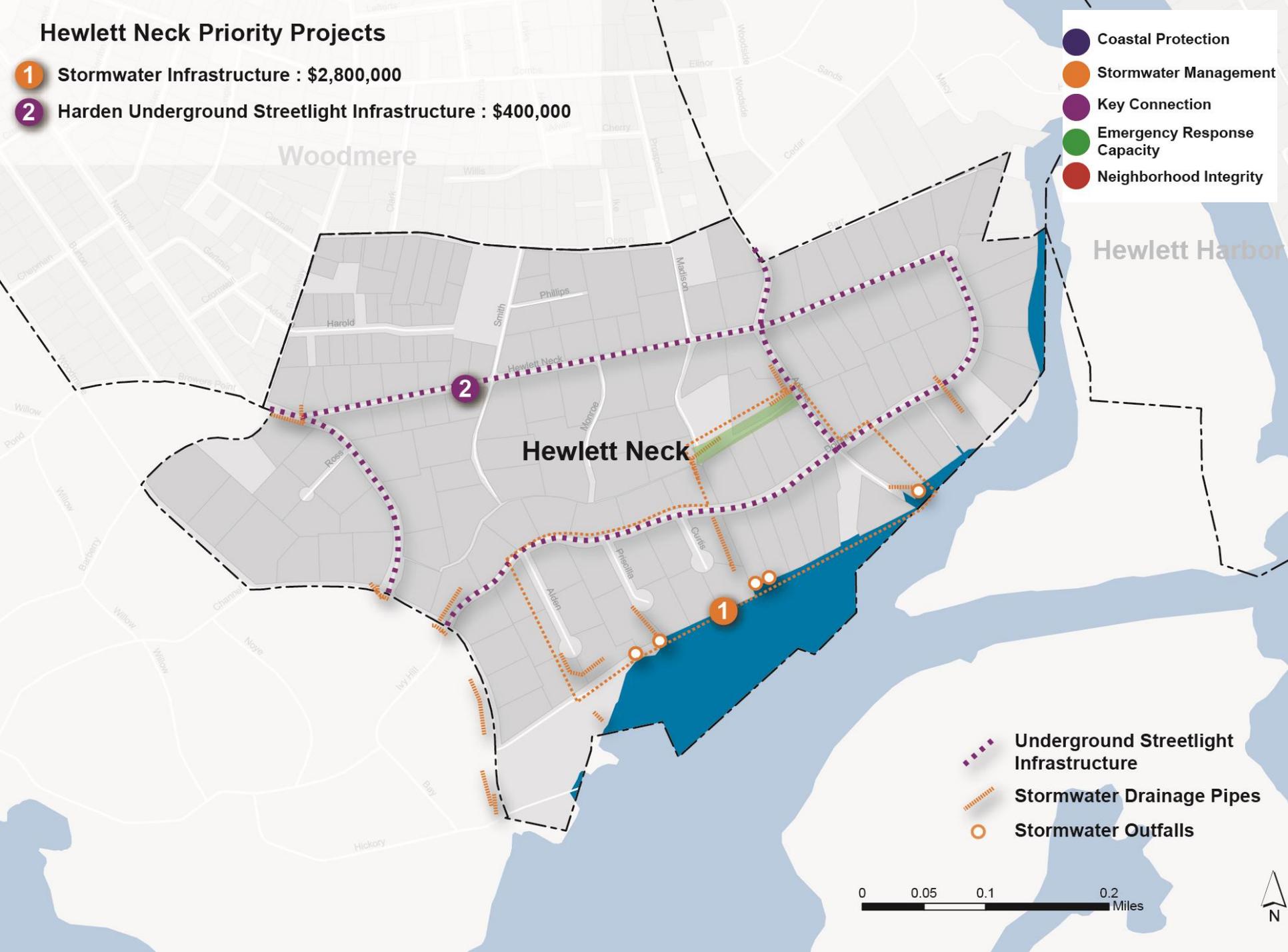
- Installation of underground electrical lines (in protective casing).
- Removal of above ground lines.
- Replacing current street signage with retro-reflective street signs and raising them.

# Hewlett Neck Priority Projects

**1 Stormwater Infrastructure : \$2,800,000**

**2 Harden Underground Streetlight Infrastructure : \$400,000**

- Coastal Protection
- Stormwater Management
- Key Connection
- Emergency Response Capacity
- Neighborhood Integrity



- Underground Streetlight Infrastructure
- Stormwater Drainage Pipes
- Stormwater Outfalls

0 0.05 0.1 0.2 Miles



# Priority Projects: Inwood

**Regional Contribution: \$400,000**

**Stormwater Infrastructure Upgrades – Phase 1: \$2,600,000**

- Hydrologic & Hydraulic study, check valves, pumps, increase pipe carrying capacity.

# Inwood Priority Projects

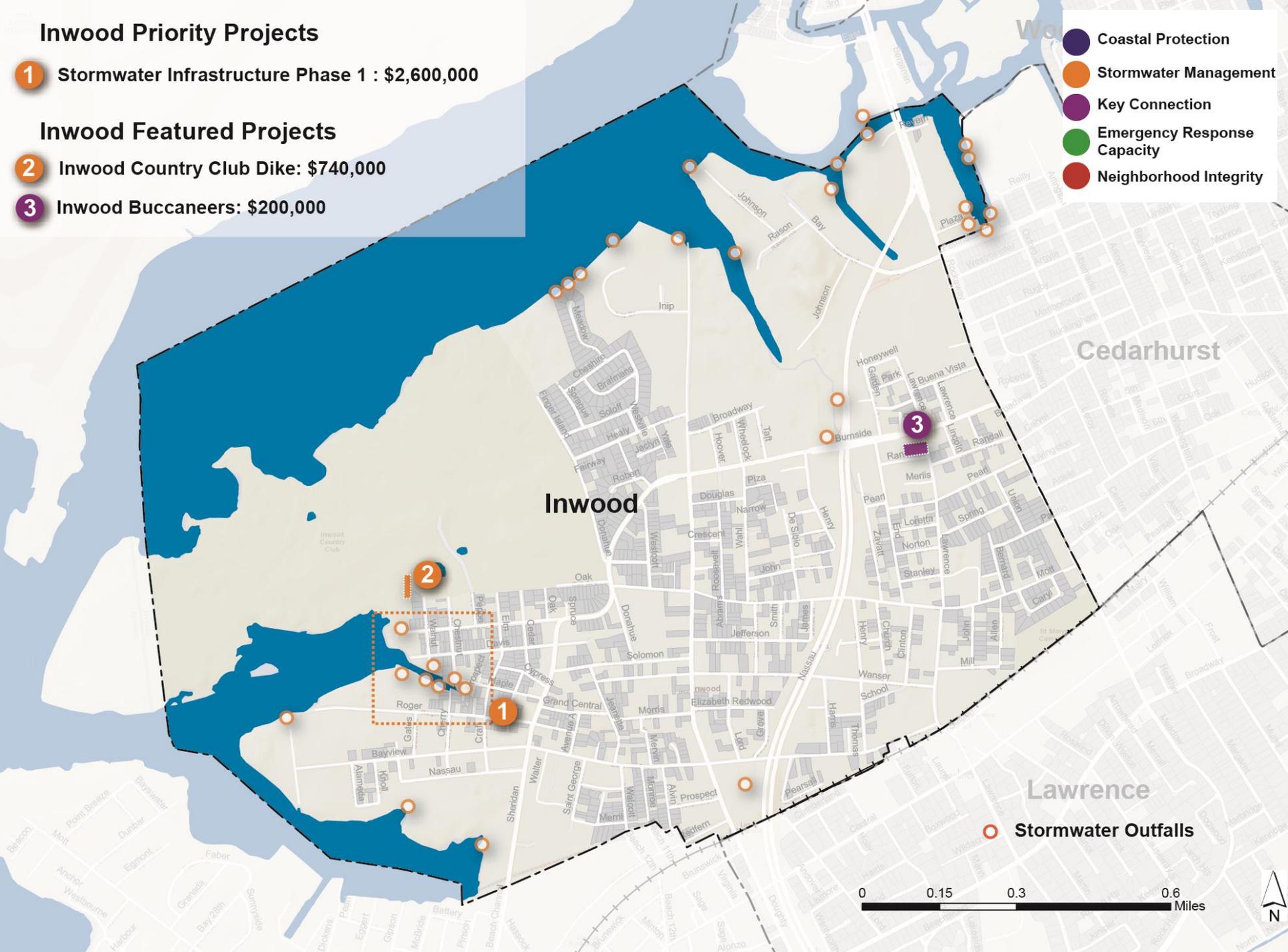
**1 Stormwater Infrastructure Phase 1 : \$2,600,000**

# Inwood Featured Projects

**2 Inwood Country Club Dike: \$740,000**

**3 Inwood Buccaneers: \$200,000**

- Coastal Protection
- Stormwater Management
- Key Connection
- Emergency Response Capacity
- Neighborhood Integrity



**Stormwater Outfalls**

0 0.15 0.3 0.6 Miles

# Priority Projects: Lawrence

**Regional Contribution: \$400,000**

**Stormwater Infrastructure Upgrades: \$1,600,000**

- Meadow Lane/Marbridge – Installation of pump station.
- Sutton Park (Lakeside Drive South) – Hydrologic & Hydraulic study, check valves, increase pipe carrying capacity.
- Harborview – Installation of check valves.

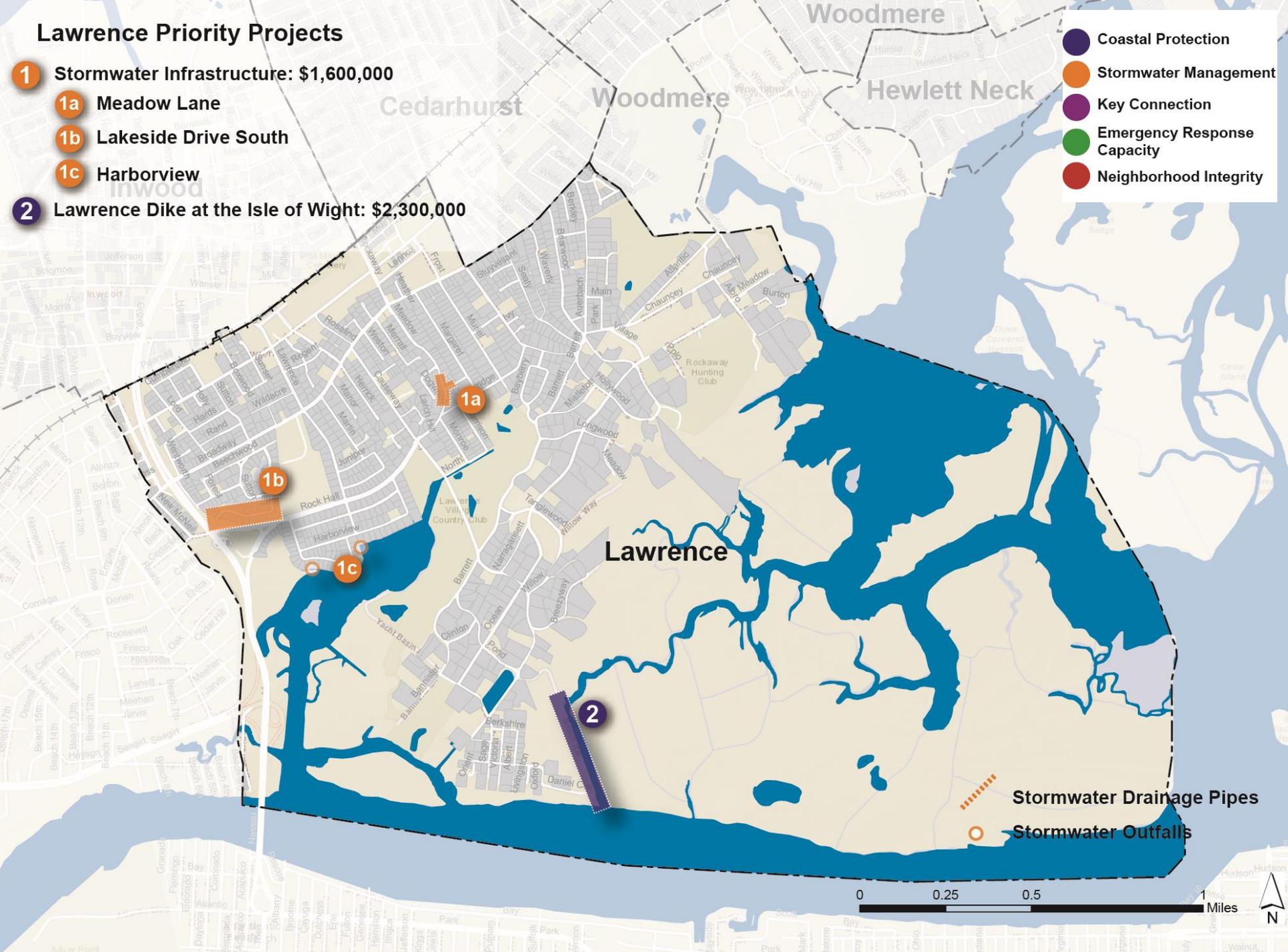
**Lawrence Dike at the Isle of Wight: Repairs and Elevation:  
\$2,300,000**

- Repair the dike using sheet pile and elevate its height by 4 feet.

# Lawrence Priority Projects

- 1 Stormwater Infrastructure: \$1,600,000**
  - 1a Meadow Lane**
  - 1b Lakeside Drive South**
  - 1c Harborview**
- 2 Lawrence Dike at the Isle of Wight: \$2,300,000**

-  Coastal Protection
-  Stormwater Management
-  Key Connection
-  Emergency Response Capacity
-  Neighborhood Integrity



-  Stormwater Drainage Pipes
-  Stormwater Outfalls



# Priority Projects: Meadowmere Park

**Regional Contribution: \$400,000**

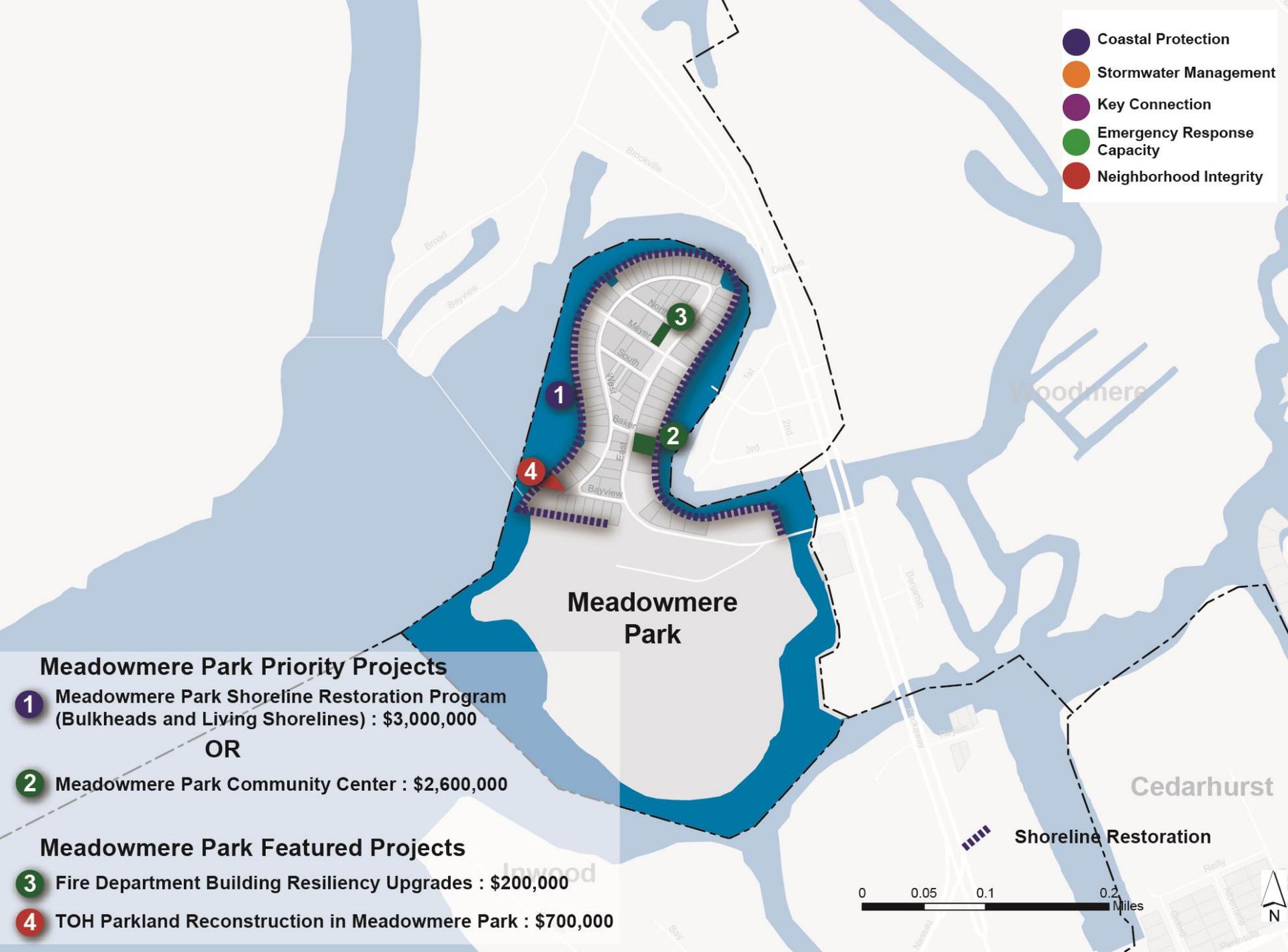
**Meadowmere Park Community Center Site Selection, Design and Construction: \$2,600,000**

- Construct a new community center to serve as a recovery center following disasters. During day-to-day operations, the facility would serve as a community resource for emergency training and neighborhood activities.

**Meadowmere Park Shoreline Restoration Program (Bulkhead Repairs): \$3,000,000**

- Repair and replace bulkheads.
- This program would elevate bulkheads up to 18” above current height, to approximately 7’ NAVD.

-  Coastal Protection
-  Stormwater Management
-  Key Connection
-  Emergency Response Capacity
-  Neighborhood Integrity



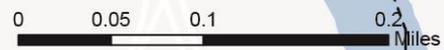
### Meadowmere Park Priority Projects

-  Meadowmere Park Shoreline Restoration Program (Bulkheads and Living Shorelines) : \$3,000,000
- OR
-  Meadowmere Park Community Center : \$2,600,000

### Meadowmere Park Featured Projects

-  Fire Department Building Resiliency Upgrades : \$200,000
-  TOH Parkland Reconstruction in Meadowmere Park : \$700,000

 Shoreline Restoration



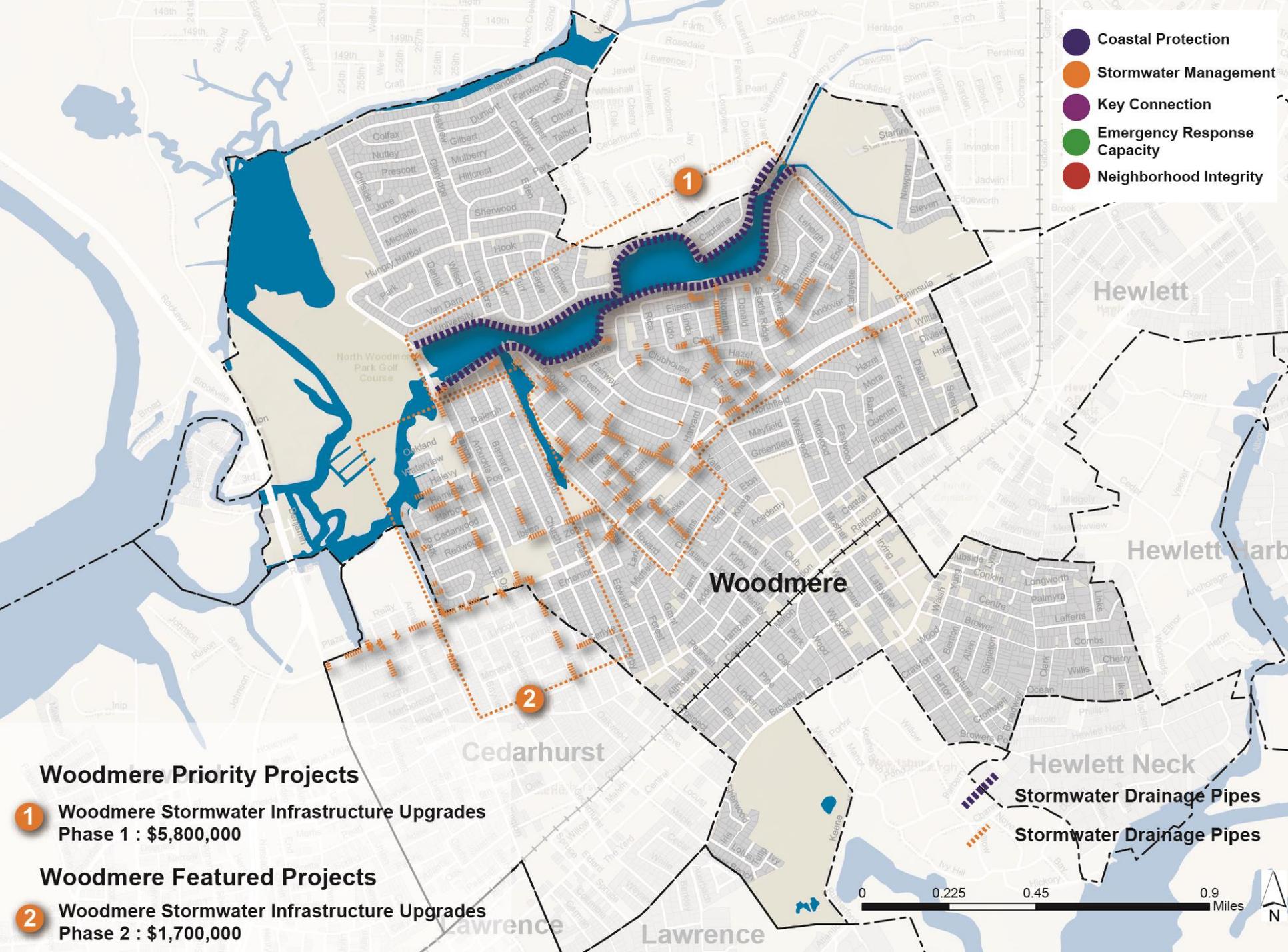
# Priority Projects: Woodmere

**Regional Contribution: \$800,000**

**Stormwater Infrastructure Upgrades – Phase 1: \$5,800,000**

- Hydrologic & Hydraulic study, check valves, pumps, increase pipe carrying capacity.

-  Coastal Protection
-  Stormwater Management
-  Key Connection
-  Emergency Response Capacity
-  Neighborhood Integrity



**Woodmere Priority Projects**

**1** Woodmere Stormwater Infrastructure Upgrades  
Phase 1 : \$5,800,000

**Woodmere Featured Projects**

**2** Woodmere Stormwater Infrastructure Upgrades  
Phase 2 : \$1,700,000

 Stormwater Drainage Pipes  
 Stormwater Drainage Pipes



# Regional and Shared Projects

## Regional Project

- Town of Hempstead South Shore Shoreline Improvement Program

## Five Towns Shared Projects

- Five Towns Community Center: Building Upgrades and Disaster Response Plan
- Lawrence High School Hardening and Protection
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# Regional and Shared Projects

## Regional Project

## Project Cost

Town of Hempstead South Shore Shoreline Improvement Program

\$40,000 per Community

## Five Towns Shared Projects

## Project Cost

Five Towns Community Center: Building Upgrades and Disaster Response Plan

\$300,000

Lawrence High School Hardening and Protection

\$1,800,000

Study Rockaway Turnpike Floodgates and Rockaway Turnpike/Nassau Expressway Upgrades

\$920,000

Renewable Energy Feasibility Study and Action Plan

\$167,000

## Regional Contribution per Five Towns Community

Cedarhurst, Hewlett, Hewlett Harbor, Hewlett Neck, Inwood, Lawrence, Meadowmere Park

\$400,000

Woodmere

\$800,000