



Bay Park and Village of East Rockaway  
Planning Committee Meeting #5  
**Project Menu Options**

January 23, 2014

# Tonight's Agenda

6:30-6:40 Welcome and Sign-in

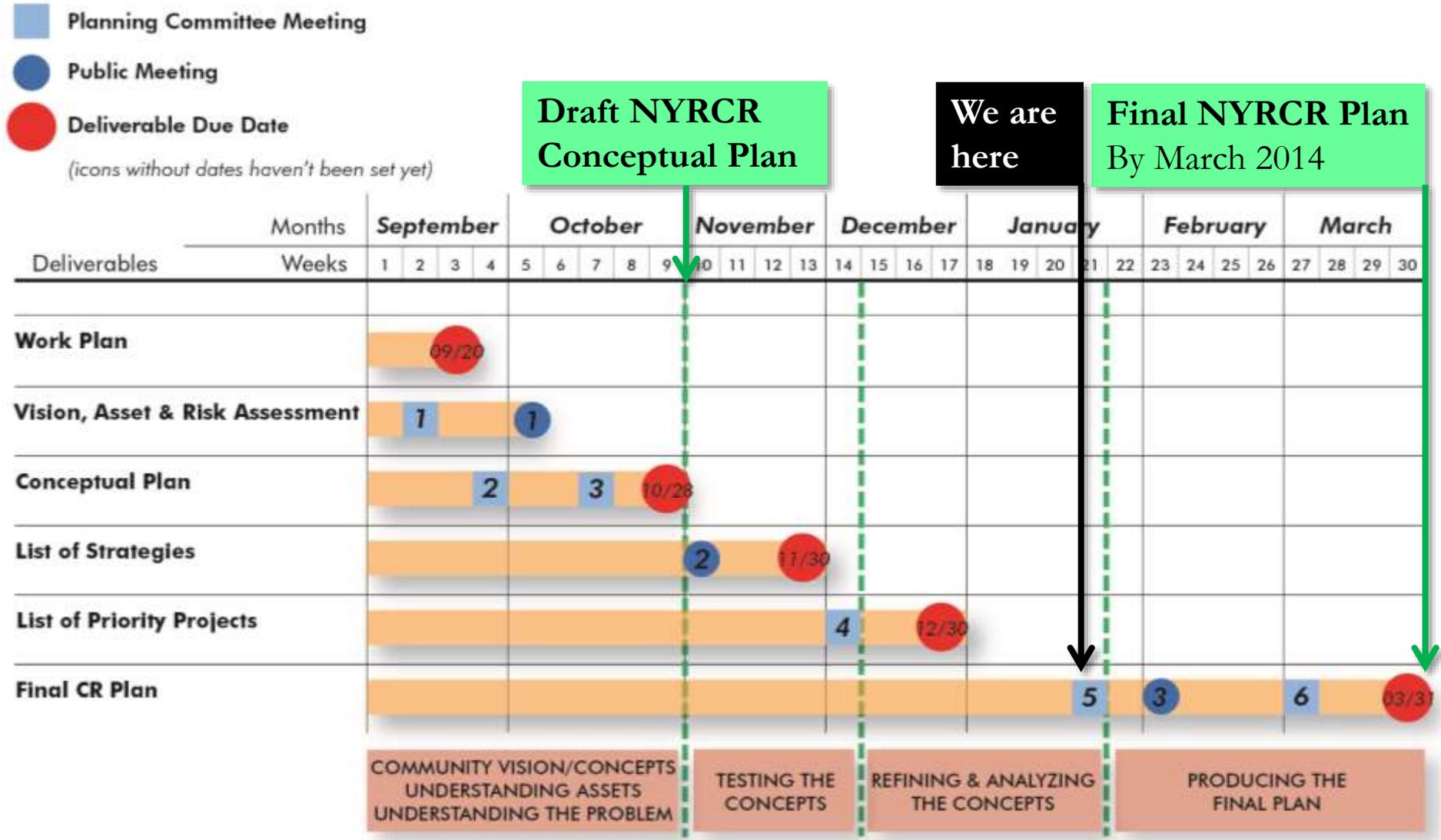
6:40-6:55 Where we are in the process

What we've learned since the last meeting

7:00-8:15 Discuss Project Menu Options

8:15-8:30 Wrap up and Next Steps

# Where we are in the process



# Where we are in the process

## Identify Projects

Type (*Study, Advocacy, Implementation*)

Project Sponsor

Location

Committee Input



## Evaluate Projects

CDBG-DR Eligibility

Cost-Benefit Criteria

Other Criteria

Committee Input



## Refine Projects

Funding Sources

Cost Benefit Analysis

Implementation  
Schedule

Committee Input

# What We've Learned Since the Last Meeting

## *Decide on a Preferred Project Menu Option*

1. Business Survey Report
2. Response to email from Committee
3. Summary of Meeting with Nassau County

# The Downtown Business Survey

## *1. How was your business impacted?*

- Extent of the damage - both to individual businesses and to the community at large
- Employees can't get to work.
- Gas to deliver inventory.
- Supplies aren't available.
- Choice between working on damaged business or home first.
- Initial repairs were paid for out-of-pocket: credit cards, family loans, savings

## *2. What assistance would have helped you reopen sooner?*

- Quicker access to grant/insurance money
- Fewer regulatory hurdles (Board of Health, Fire Marshall)

# The Downtown Business Survey

## *3. What will make East Rockaway's business/commercial districts stronger overall?*

- Shop local program
- Parking
- Upgrade appearance—  
give the business district  
a sense of place
- Potential program: Gas  
pass, like ration cards  
from WW2—  
cornerstone recovery  
businesses (food,  
building supplies,  
insurance companies) get  
first access to fuel



# Planning Committee Concerns (*Ed's 12/17 email*)

- Funding for a **grant writer**
- *Meet with Nassau County* to get an understanding of their plans for STP and Bay Park
- Raise Lawson Ave to ameliorate the flooding issue
- Attending to the erosion and flooding problems at *Higbie Creek*
- Consider an alternative project, ie. **solar panels on the roofs of our schools**

# What We Learned Since the Last Meeting

## *Bay Park Sewage Treatment Plant*

The County plans to complete the following repairs to the Sewage Treatment Plant:

- New elevated electrical systems (*should go out to bid this month*)
- Generators with added capacity
- Dike / Berm system around the entire perimeter of the STP designed to protect against the 500 year storm (elevation 18.1)
- Sludge Dewatering & Effluent Systems
- Floodproofing of all doors
- New tidegates at two outfalls that serve the plant



# What We Learned Since the Last Meeting: *Bay Park Sewage Treatment Plant*

- The County welcomed the concept of Bay Park STP as a hub for a microgrid network that could provide backup power for municipal facilities.



# Nassau County Meeting Summary:

## *Bay County Park*

- Bay County Park will be used as a staging area for the construction of the dike
- When the dike is complete, Marjorie Lane will be moved to the west of the park, away from the Mill River shore and the *park will be improved with ball fields using the STP budget*
- Rebuild by Design (RBD) has proposed a natural shoreline along the new edge of the park



# The Six Themes



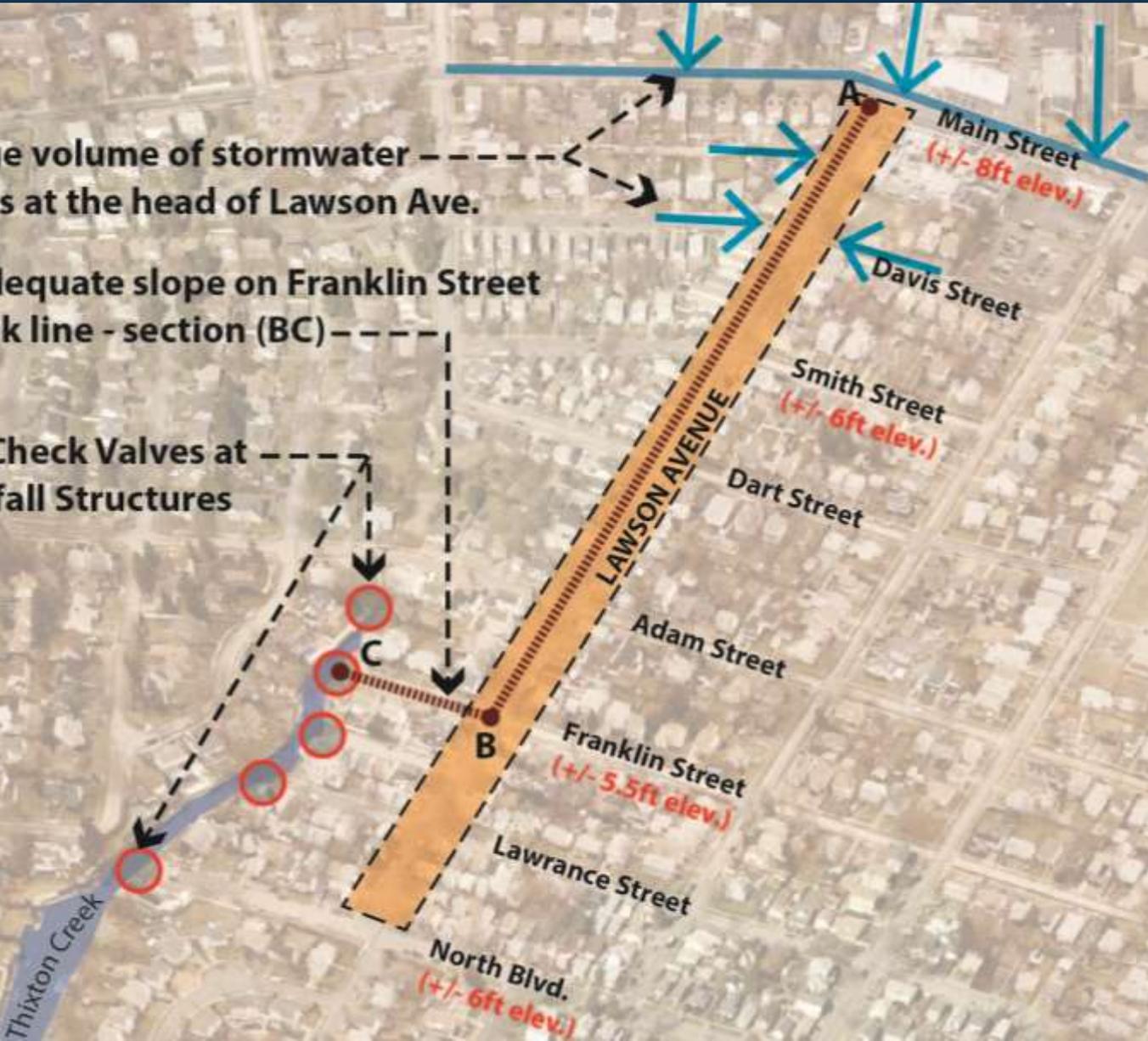
# Priority & Featured Projects

- B 2 Lawson Avenue Drainage Improvements
- C 7 Grant Writer
- F 2 Microgrid network for backup power supply at Bay Park STP
- B 4 Integrated Stormwater Management Measures in Higbie Creek
- B 3 Green Infrastructure Implementation Program
- D 1/E 2 Downtown Resiliency and Redevelopment Strategic Plan
- C 2 Microgrid network for backup power supply at Village Hall and Senior Center
- C 3 Harden East Rockaway DPW Garage and John Street Recreation Center
- E 1 Program for Floodproofing of Downtown Business
- C 6 Construct pedestrian bridges in Bay Park
- D 2 Neighborhood Home Improvement Assistance Program
- C 1 Nassau County Continuity of Operations Plan
- C 4 Expand mobile disaster response capacity in ER through Village Purchasing Program

# Lawson Avenue Drainage Improvements:

## *The Issues*

3. Large volume of stormwater flows at the head of Lawson Ave.
2. Inadequate slope on Franklin Street trunk line - section (BC)
1. No Check Valves at Outfall Structures



# Lawson Avenue Drainage Improvements

## *Phase 1: Installation of Check Valves and H&H study*



# Lawson Avenue Drainage Improvements

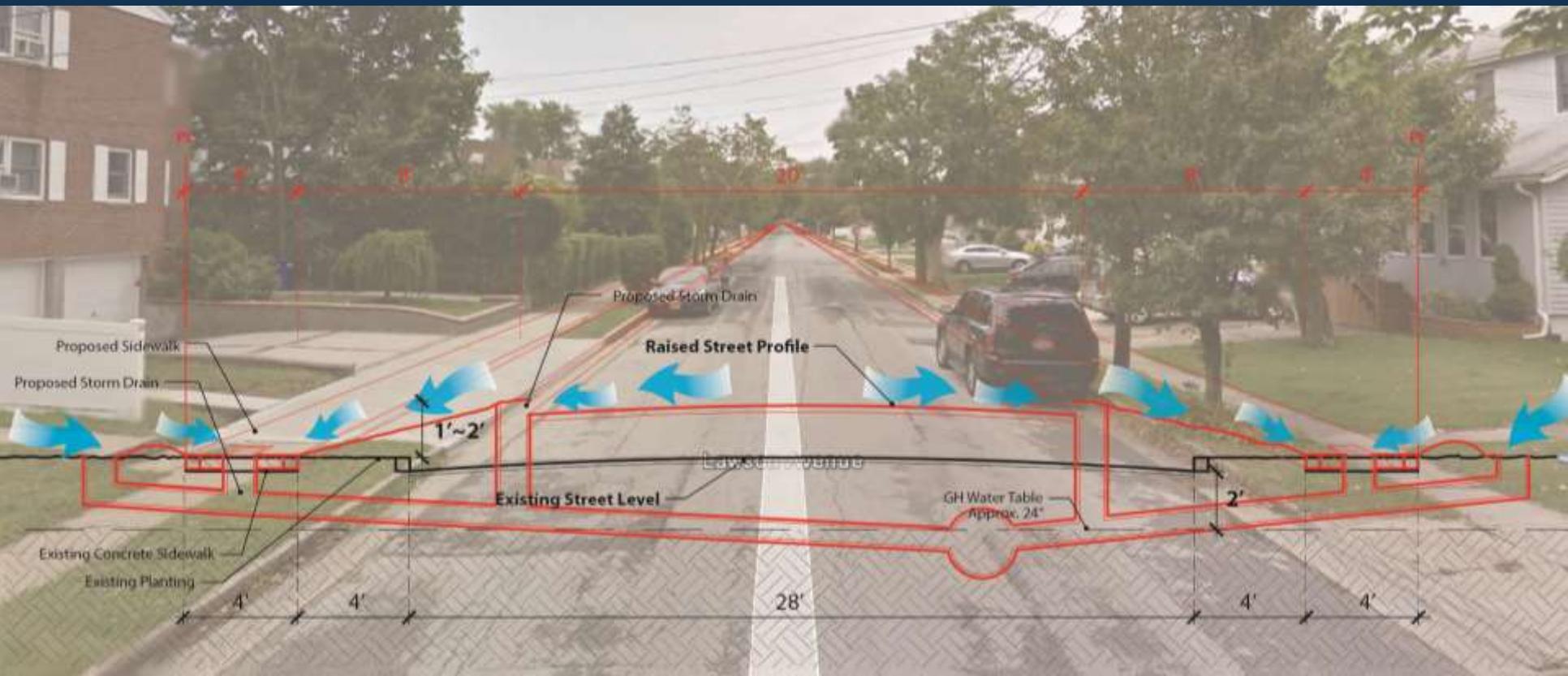
## *Phase 2A: Retention of upstream storage*



# Lawson Avenue Drainage Improvements

## *Phase 2B: Road Raising (Preferred Option)*

- Easement needed on private property.
- Lawns and driveways need to be re-graded and landscaped.
- Street trees have to be removed.
- Raising the road may cause flooding on private property.



# Lawson Avenue Drainage Improvements: *Future Green Infrastructure*



# Lawson Avenue Drainage Improvements: Phasing

## Phase 1

Install Check  
Valves  
and  
Hydrologic and  
Hydraulic (H&H)  
study



## Phase 2

Additional Hard  
Infrastructure  
Storm water  
Capture  
and  
Road Raising



## Future Phases

Green  
Infrastructure  
Projects

1. South Lawson Avenue Area  
Green Street Projects
2. Other Streets Green  
Infrastructure Projects

# Micro-Grid:

- The County welcomed the concept of *Bay Park STP as a hub for a microgrid* network that could provide backup power for municipal facilities
- If the electricity needs for the community facilities go beyond the capacity of the STP's generators, the County could provide a 'pad' within the STP dike / berm for a generator (paid for with CDBG-DR funds) to power the microgrid



# Higbie Creek:

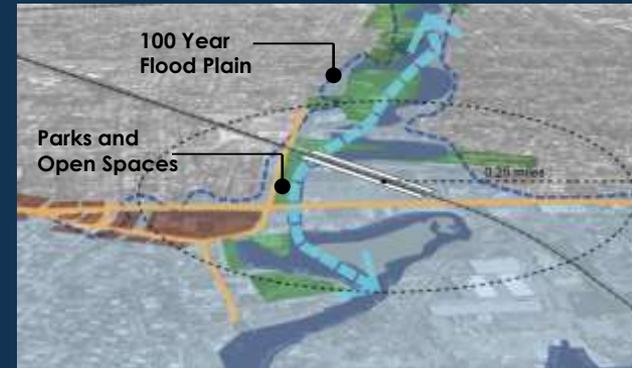
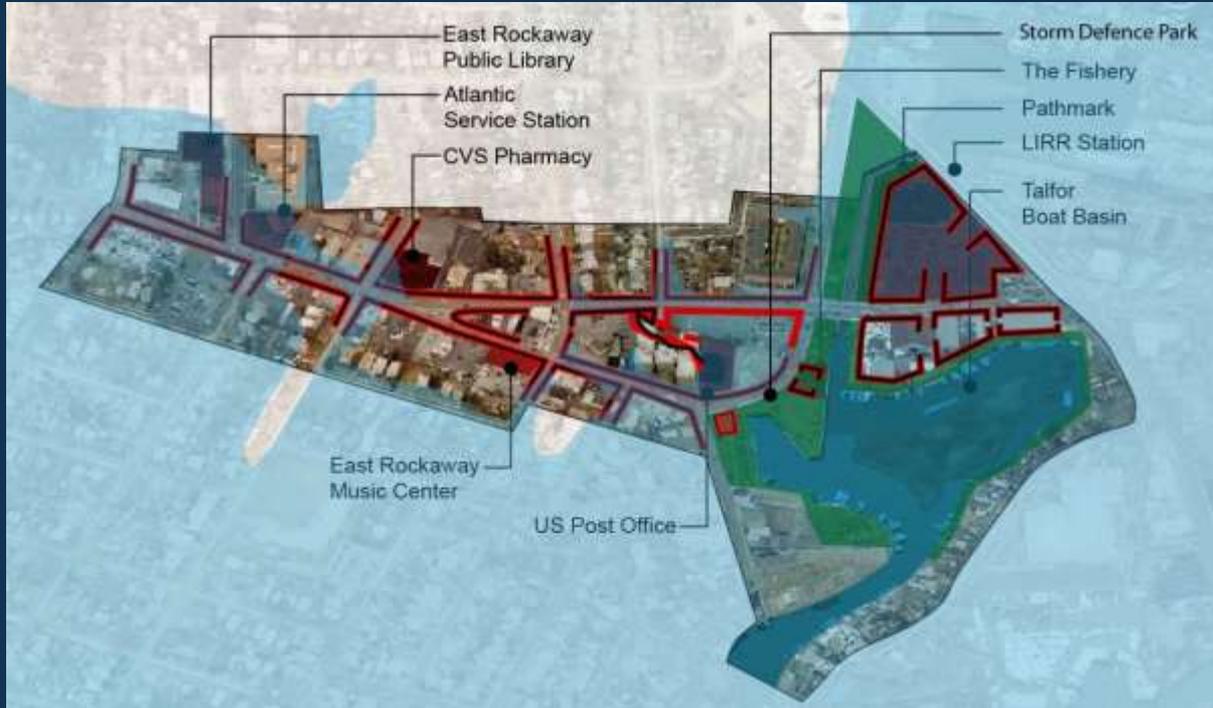
Project Cost Includes baseline studies, environmental analysis and implementation to include:

- Dredging the creek within its navigable extent
- Installation of check valves on outfalls to limit backup of tidal water
- Bulkhead replacement
- Wetlands restoration

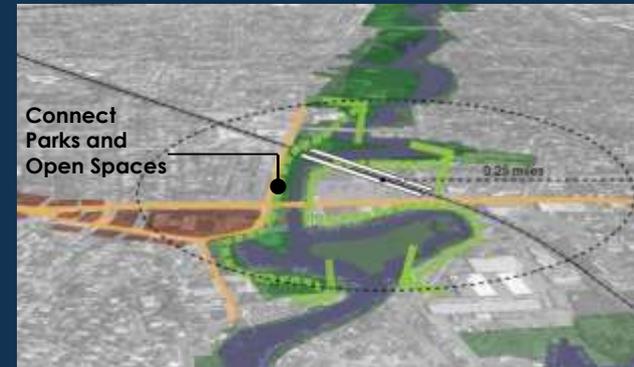


- **Additional \$2,000,000 cost for 2 Pedestrian Bridges to provide alternate evacuation routes for residents in Bay Park**

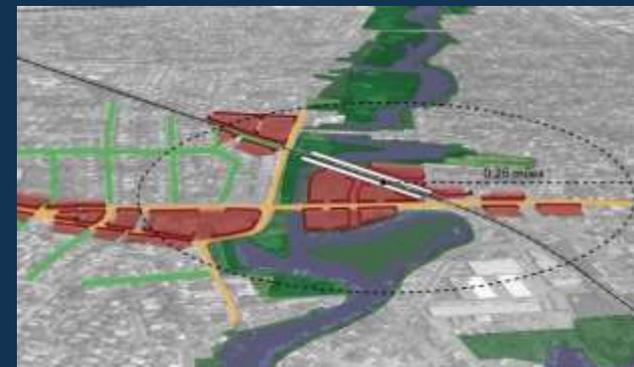
# Downtown Strategic Plan Plan & Vignettes



**Make Room for the River**

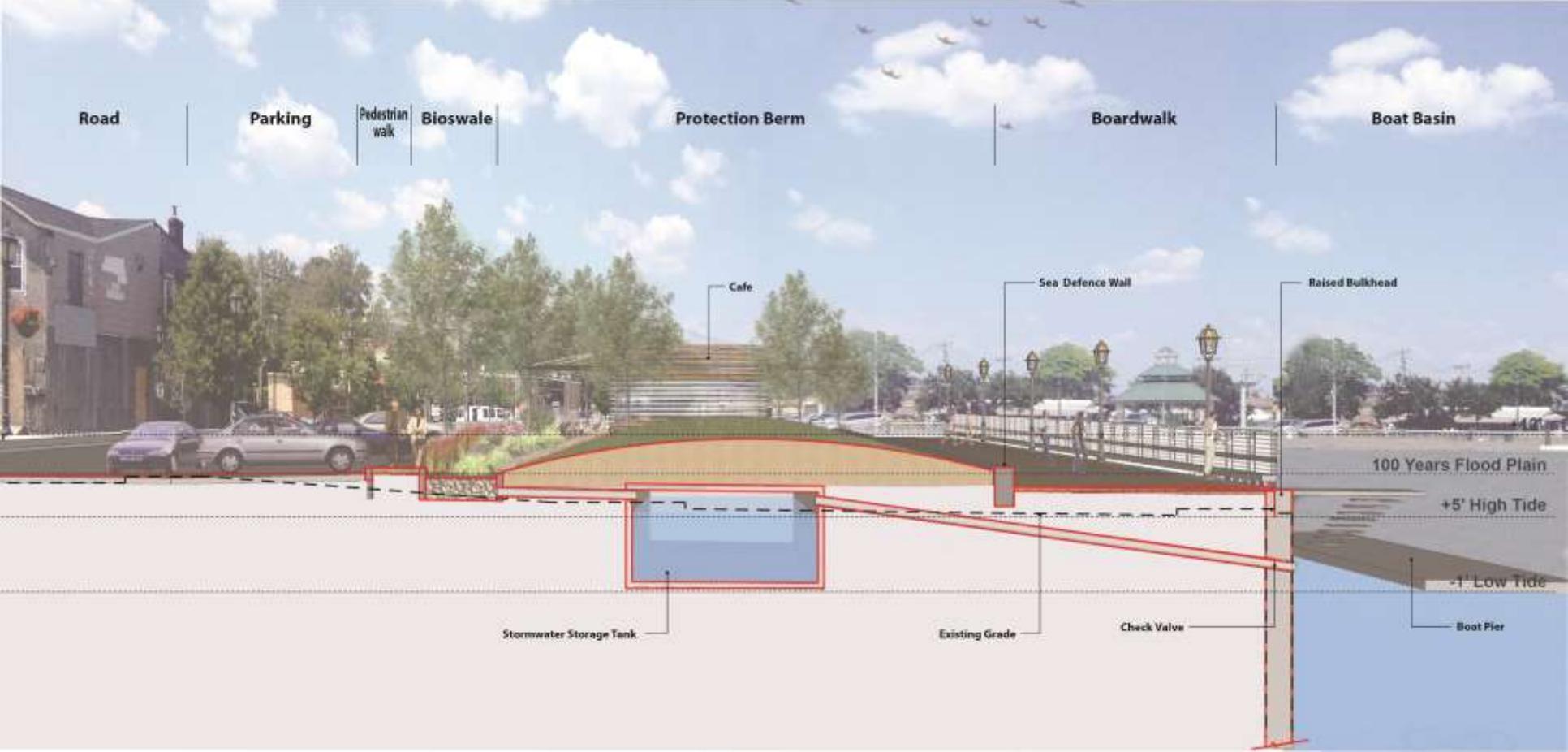


**Integrate Open Spaces for Storm Defense**



**Use River as an Asset for Economic Development**

# Downtown Strategic Plan



# Harden DPW:

Project Cost Includes:

- Purchase of removable flood walls for perimeter of building
- Dry flood proofing of doors and building perimeter
- Sump pump with electric, piping and interior drain
- Environmental analysis, regulatory approvals and permit requirements



# Housing Policy Proposal

## *Elevation Revolving Loan Fund – Pilot Program*

### Issues:

- Funding gap between funds available for repairs and funds needed to raise homes to become more resilient.
- Imminent new flood insurance requirements for homes that are not elevated will dramatically increase monthly households carrying costs and destabilize middle and moderate income households.

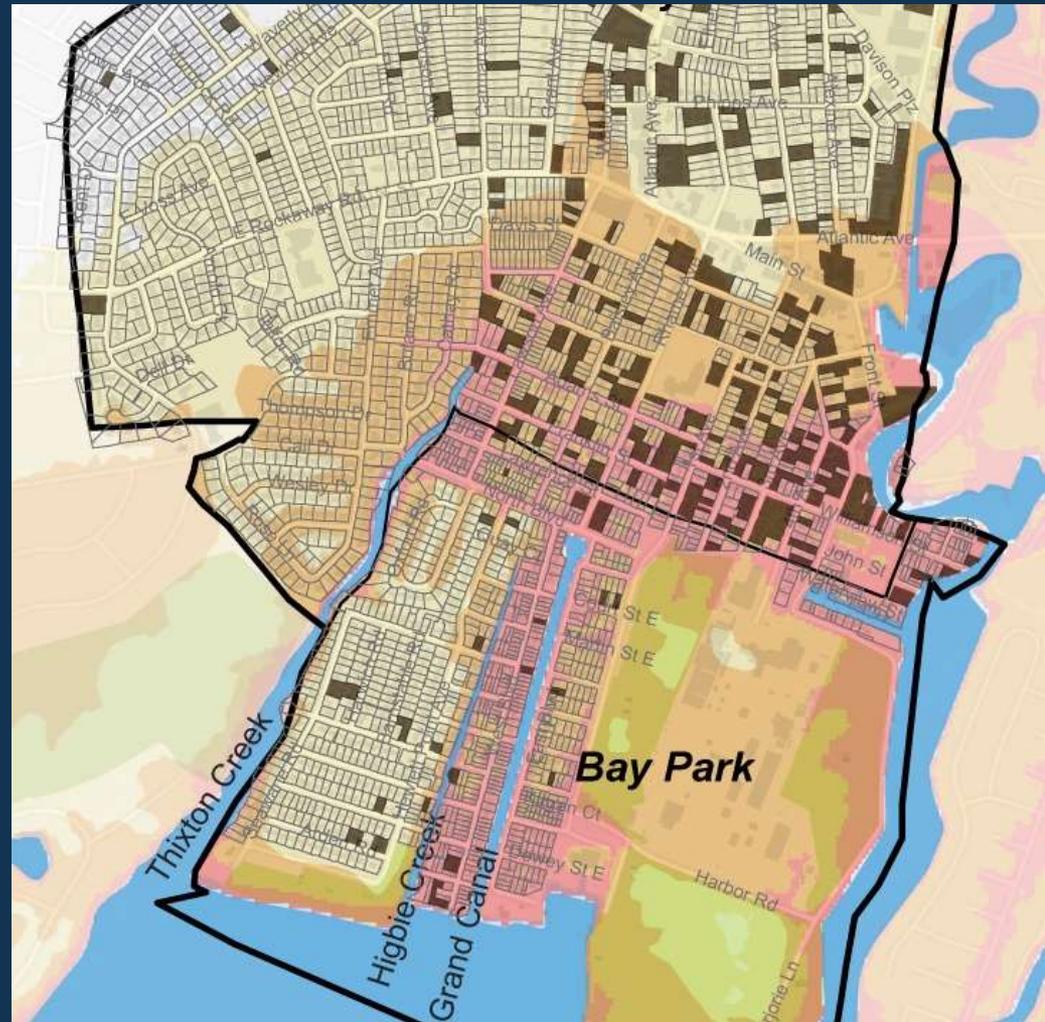


# Housing Policy Proposal

## *Elevation Revolving Loan Fund – Pilot Program*

### Proposal:

To Use CDBG-DR funds to provide subordinate financing to fund necessary elevations for new flood zone requirements as a pilot program to leverage more federal, state and local funding for bat risk building elevations.



# Housing Policy Proposal

## *Elevation Revolving Loan Fund – Pilot Program*

### Implementation:

- The PILOT can be administered through a local bank or Community Development Funding Institution (CDFI).
- The subordinate financing would be provided in exchange for debt service repaid into the fund or for borrowers who cannot afford additional debt service, long term affordability requirements would be recorded with the subordinate debt.

# Housing Policy Proposal

## *Elevation Revolving Loan Fund – Pilot Program*

### Cost:

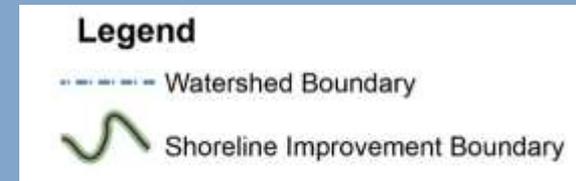
- Costs for elevating a home range from \$80-\$100k.
- Funding the Pilot with between \$800k to \$1M should enable at least 10 building elevations and potentially lead to expanded funding for the remaining at risk households in the area.

# Regional Project:



## Town of Hempstead Shoreline Improvement Program:

- \$50,000 suggested allocation per NYRCR Community to establish a 'Flood Protection Improvement District'



**Menu 1 : \$6,300,000**

**A2** Town of Hempstead Shoreline Improvement Program : \$100,000

**C7** Grant Writer : \$50,000

East Rockaway **C5**

Centro Avenue  
LIRR Station **C5**

East Rockaway  
Village Hall

**C5** Install Solar Panels at Schools  
: \$250,000

East Rockaway  
LIRR Station **C5**

MAIN STREET

**B2a** Lawson Avenue Drainage Improvements  
Phase 1 : Installation of Check Valves and study  
: \$1,400,000

**B2a** Lawson Avenue Drainage Improvements  
Phase 2 : Retention of upstream storage  
for flows from north of Main Street  
: \$4,500,000

Hewlett

Hewlett Harbor

Bay Park

Bay Park  
Sewage Treatment Plant

Mill River

# Project Menu 1

Menu 2 : \$6,545,000

A2 Town of Hempstead Shoreline Improvement Program : \$100,000

C7 Grant Writer : \$50,000

C5 Install Solar Panels at School : \$250,000

Downtown Resiliency and  
Redevelopment Strategic Plan  
: \$195,000

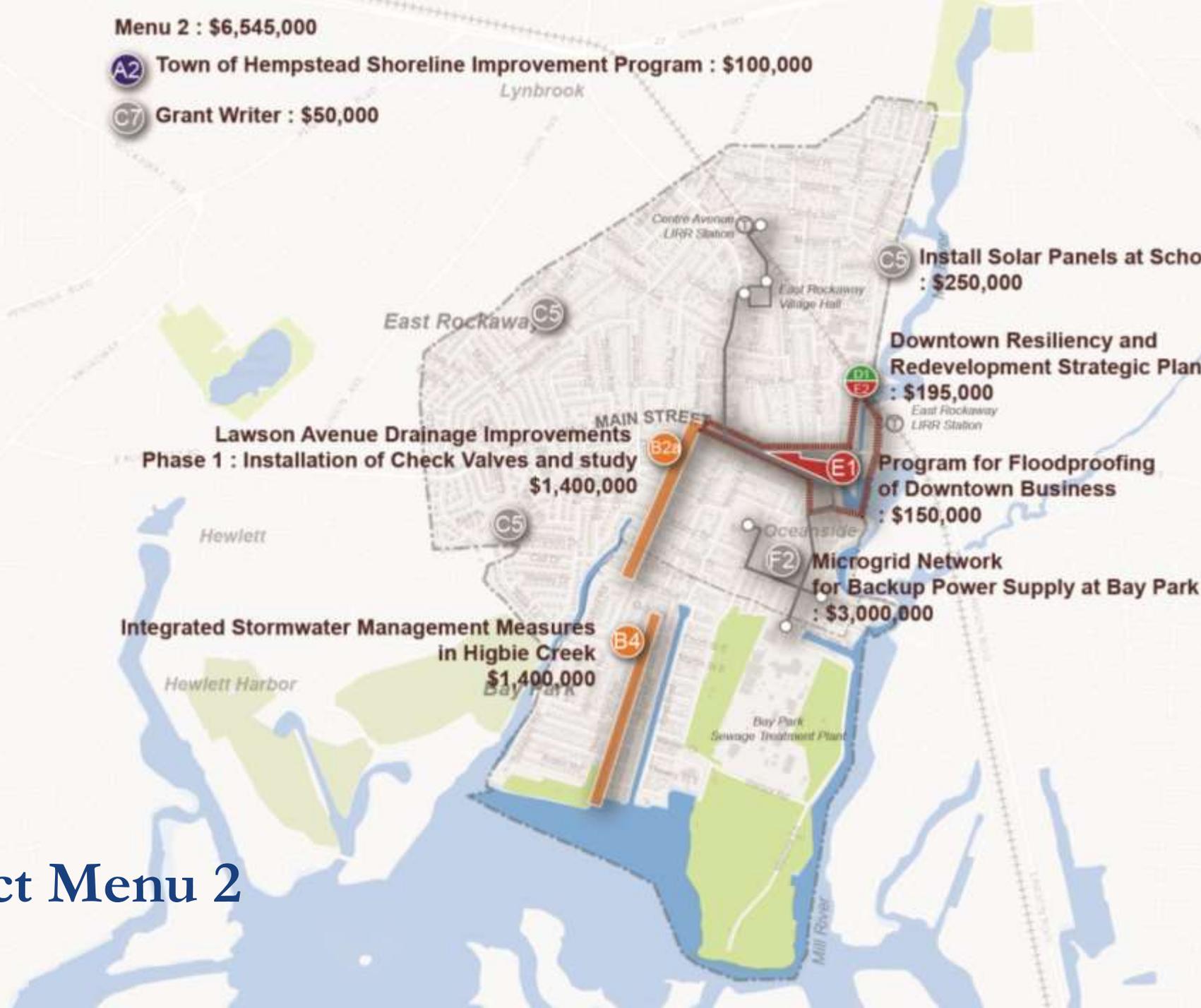
E1 Program for Floodproofing  
of Downtown Business  
: \$150,000

F2 Microgrid Network  
for Backup Power Supply at Bay Park  
: \$3,000,000

B2a Lawson Avenue Drainage Improvements  
Phase 1 : Installation of Check Valves and study  
\$1,400,000

B4 Integrated Stormwater Management Measures  
in Higbie Creek  
\$1,400,000

# Project Menu 2



**Menu 3 : \$6,005,000**

**A2** Town of Hempstead Shoreline Improvement Program : \$100,000

**C7** Grant Writer : \$50,000

**Lawson Avenue Drainage Improvements  
Phase 1 : Installation of Check Valves and study  
\$1,400,000**

**Integrated Stormwater Management Measures  
in Higbie Creek  
\$1,400,000**

**Construct pedestrian bridges in Bay Park  
: \$2,000,000**

**C5** Install Solar Panels at School  
: \$250,000

**Downtown Resiliency and  
Redevelopment Strategic Plan  
: \$195,000**

**E1** Program for Floodproofing  
of Downtown Business  
: \$150,000

**C3** Harden East Rockaway DPW Gara  
and John Street Recreation Center  
: \$460,000

# Project Menu 3



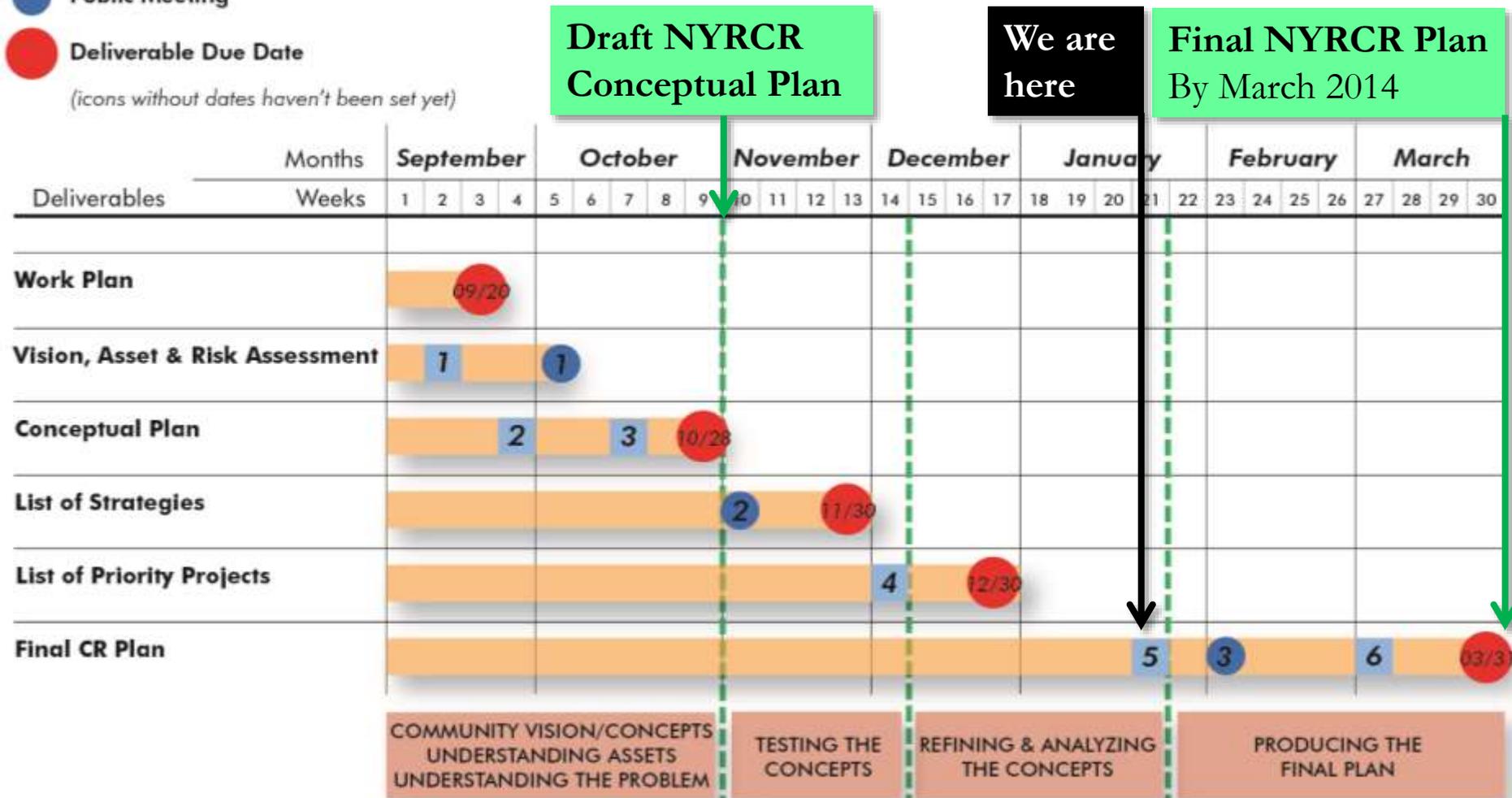
# Next Steps

 Planning Committee Meeting

 Public Meeting

 Deliverable Due Date

*(icons without dates haven't been set yet)*



**Draft NYRCR  
Conceptual Plan**

**We are  
here**

**Final NYRCR Plan  
By March 2014**

## Priority and Featured Projects

### A. Protect the Coastline from Flooding

- A2** Town of Hempstead Shoreline Improvement Program

### B. Address Recurring Stormwater Drainage Issues

- B2** Lawson Avenue Drainage Improvements
  - B2a** Phase 1 : Installation of Check Valves and study
  - B2b** Phase 2 : Retention of upstream storage for flows from north of Main Street
- B3** Green Infrastructure Implementation Program
- B4** Integrated Stormwater Management Measures in Higbie Creek

### C. Harden Municipal Infrastructure and Improve Capacity to Respond to Storm Events

- C1** Nassau County Continuity of Operations Plan
- C2** Microgrid network for backup power supply at Village Hall and Senior Center
- C3** Harden East Rockaway DPW Garage and John Street Recreation Center
- C4** Expand Mobile Disaster Response Capacity in East Rockaway through Village Purchasing Program
- C5** Construct pedestrian bridges in Bay Park
- C6** Grant Writer

### D. Improve the Overall Quality of Life to Maintain Housing Values and Give People a Reason to Stay and Invest in the Community

- D1** Downtown Resiliency and Redevelopment Strategic Plan
- D2** Neighborhood Home Improvement Assistance Program
- D4** Pocket parks on West Boulevard, Bay Park

### E. Strengthen and Protect the Local Economy

- E1** Program for Floodproofing of Downtown Business
- E2** Downtown Resiliency and Redevelopment Strategic Plan

### F. Leverage the Bay Park STP

- F2** Microgrid Network for Backup Power Supply at Bay Park STP

