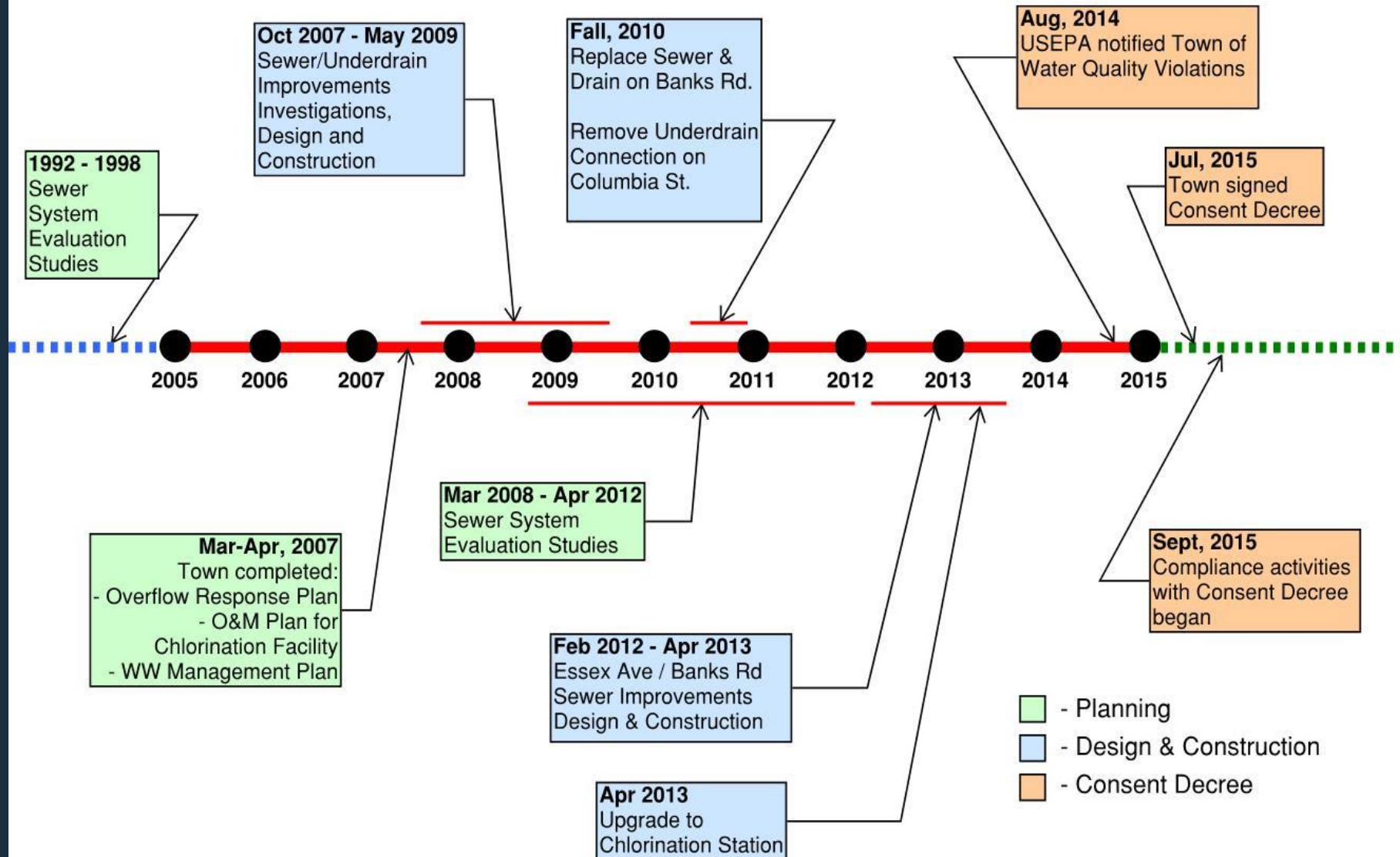


# EPA Consent Decree

- Stacey's Brook Water Quality - History of Town Activity
- Short-Term Compliance Schedule
- Phase I Project Area
- Phase I Project Costs (Preliminary)

# STACEY'S BROOK DRAINAGE AREA HISTORY OF TOWN ACTIVITY



## SHORT TERM COMPLIANCE SCHEDULE CONSENT DECREE

Description	2015						2016											
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Consent Decree Signed by Town	■																	
Pre-Screen Stacey's Brook and Define Project Area		■	■															
Develop Budget for Phase I of Stacey's Brook Design			■	■														
Special Town Meeting					■													
Pre-Screen Remainder of Town and Define Project Areas									■	■	■	■						
Conduct Sewer Inspections Program						■	■	■	■	■	■	■						
Design of Infrastructure Improvements												■	■	■				
Develop Construction Estimates and Phasing Schedule															■			
Submit Design to EPA																■		
Bid and Construction Phasing - Schedule to be Determined																	■	■

### NOTES:

1. Schedule for Consent Decree Milestones in later years not included
2. Dates are illustrative for planning purposes and are subject to change

### KEY:



- Consultant Action
- Town Action
- Consent Decree Deadline
- Schedule not determined



## LEGEND

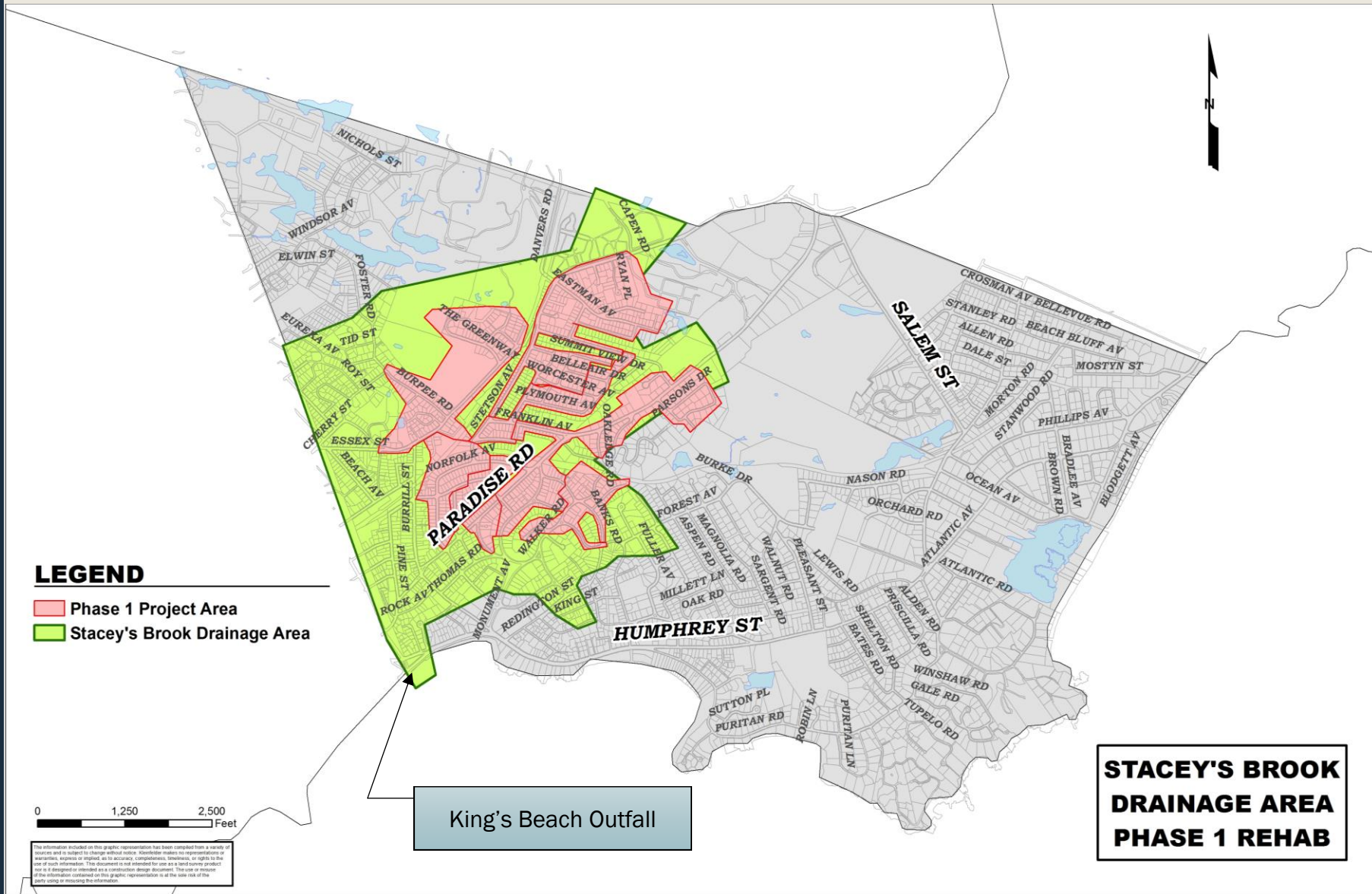
- Phase 1 Project Area
- Stacey's Brook Drainage Area

0 1,250 2,500 Feet

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King's Beach Outfall

**STACEY'S BROOK  
DRAINAGE AREA  
PHASE 1 REHAB**



# Water Infrastructure Value

- Water Infrastructure systems are very old and in need of sustained investment for reliable long-term performance
- Example:
  - *DPW has spent \$10M in past 15 years on water main lining or replacement*

Utility	Type	Quantity	Replacement Cost
Water	Pipe (miles)	48	\$65 M
	Storage Tank	1	\$2 M
Sewer	Pipe (miles)	47	\$75 M
	Pump Stations	8	\$2.5 M
Drain	Pipe (miles)	23	\$30.5 M
TOTAL			\$175 M

# Phase I Sewer Rehabilitation Costs (Preliminary)

■ Rehabilitate Sewers (49,000 ft)	\$3.0 M - \$3.5 M
■ Rehabilitate Manholes (325)	\$0.9 M - \$1.1 M
■ Replace Underdrain Manholes (25)	\$0.6 M - \$0.7 M
■ <u>Replace Building Connections (1,200)</u>	<u>\$5.0 M - \$5.8 M</u>

➤ **PHASE 1 REHABILITATION COSTS** **\$9.5 M - \$11.1 M**

- *Preliminary estimate – subject to actual discovered field conditions*