Back Cove West Storage Conduit

March 4th, 2020

Neighborhood Meeting

Agenda

- Introductions
- Portland's Sewer System and Combined Sewer Overflow's
- Project Goals
- Project Overview
- Project Description
- What to expect during construction
- Sequencing of the project
- Project Discussion / Questions

Introductions

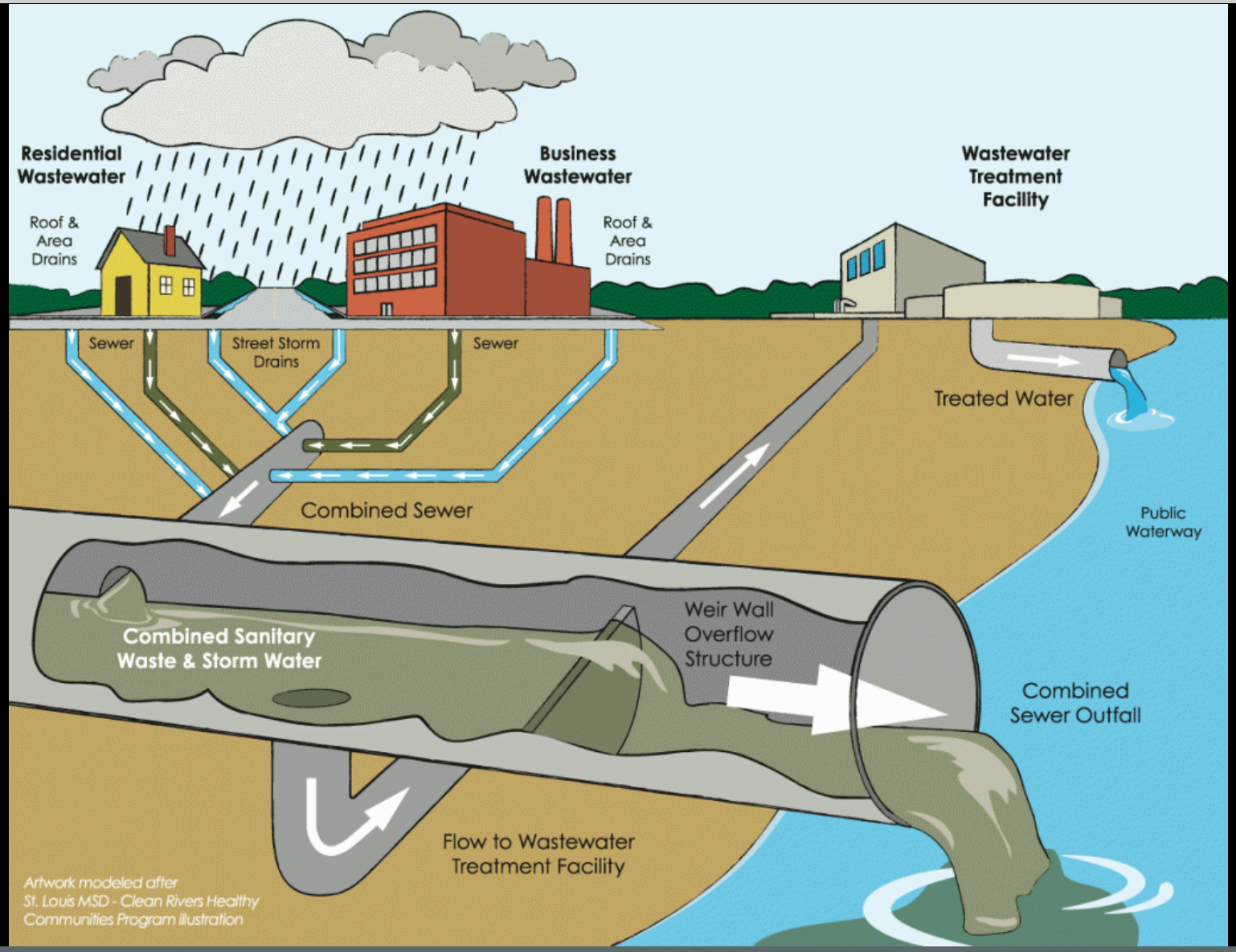
- Nathaniel Smith, – Project Engineer- City of Portland Public Works Water Resources
- Bradley Roland, P.E. – Senior Project Engineer City of Portland Public Works Water Resources
- Christopher Branch, P.E. – City of Portland Director of Public Works

Wright-Pierce Design Team:

- Ryan Wingard, P.E. – Vice President Project Manager
- Steve Guerrette, P.E. – Project Engineer

Portland's Wastewater System

Combined Sewer Overflows (CSO)



Portland's Back Cove Outfalls

Project Goals

- Reduce CSO Discharge in Back Cove by installing a 2.25 million gallon tank under Baxter Boulevard
- Collect overflows from CSO #009, 011, 012, 014, and 015.
- Mackworth Project will close CSO #10.
- CSO 008 and 013 will be closed as part of the project.
- CS0 012 and CSO 015 will remain and will overflow when conduit is full.
- Build a storm drain system that can convey a typical years storm event.
- Replacement of existing sewer and water mains in Dartmouth Street.
- Help the City comply with EPA Long Term Control Plan requirements for CSO reduction
- Help improve and protect the water quality in Back Cove and Casco Bay
- Improving road way conditions buy rebuilding the roads.

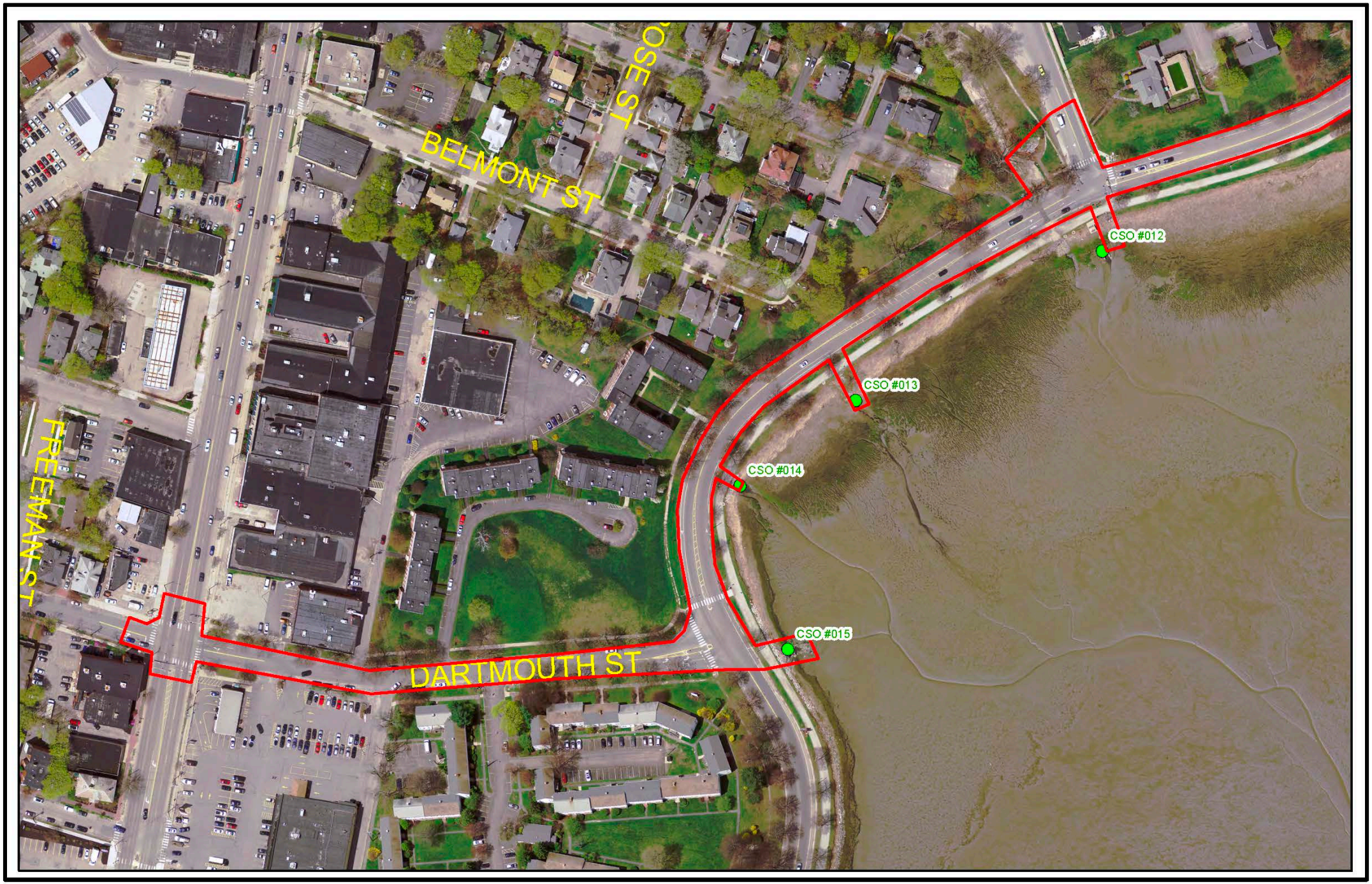
Project Description

- The project is within a 740 acres watershed. Total site area is 12 acres with 7 acres of pavement
- The project is 5,300 feet long, just over a mile long
- 2.25 Million Gallon Box Conduit. 10 ft x 8 ft for 3,100 ft and a 12 ft x 8 ft box for 615 ft
- New 10" – 48" storm drain within Baxter Blvd.
- 54" storm drain, 48" CSO main, 8" – 10" sewer main, and a 8" water main will be installed in Dartmouth St.
- The streets within work area will be reconstructed and new pavement installed
- Baxter Blvd's granite gutter will be restored
- Pavement widths will be the same with minor changes to lane striping
- New handicap ramps and crosswalks will be installed at existing crossing locations
- Back Cove Trail will remain open with detours during work

BAXTER BLVD
PUMP STATION
CSO #008
CSO #009
CSO #010
PROJECT LOCATION
BACK COVE
CSO #011
CSO #012
CSO #013
CSO #014
CSO #015

AUSTIN ST
GEORGE ST
PYA RD
CLIFTON ST
BAXTER BLVD
CSO #009
CSO #008
CSO #010

CODMAN ST
CHENERY ST
BAY VIEW DR
PARSONS RD
MACKWORTH ST
JSTIN ST
ORGE ST
CLIFTON
BAXTER BLVD
ON ST
CSO #009
CSO #010
CSO #011


BELMONT ST
FREEMAN ST
DARTMOUTH ST
CSO #012
CSO #013
CSO #014
CSO #015

PROJECT COSTS

Current Project Estimate:

- $28,000,000 to $30,000,000

- Funding by the Maine DEP State Revolving Fund Loan

What to expect during the Project

- Road Closures and Detours
- Noise – Ledge removal
- Large equipment and machines around
- Traffic disruptions and backups
- Temporary disruptions to driveways and entrances
- Temporary water lines in Dartmouth Street
- Dust- Contractor required to control dust but it can still get dusty at times
- Professional interactions with Contractor- let us know if this doesn't happen

Proposed Project Schedule

- Start of Construction Late October after the Maine Marathon 2020
- Phase 1 - Project will start on Baxter Boulevard from Cheverus area to Vannah Ave. Baxter will be closed from Vannah to Payson Park
- Phase 2 – Project will be from Vannah Ave to Dartmouth St. Baxter will be closed from Dartmouth to Vannah Ave
- Phase 3 - Dartmouth St from Baxter to Forest. Dartmouth will be closed. Work in Forest will happen either at night or during a weekend event closure
- Roadway reconstruction will occur throughout project in each phase when completed
- Base paving will occur throughout project as work is complete
- Project will be substantially complete by end of November 2021
- Final paving and misc. restoration to occur in the 2021 as well as 2022

2009 4 1

WASHINGTON
WALNUT ST
2006 6 27

MACK
SARGENT
08 06 2013

2016 10 17

07 09 2013

PF4410
GLIDDEN
08 27 2013

08 27 2013

Questions?

Please sign the sign in sheet!