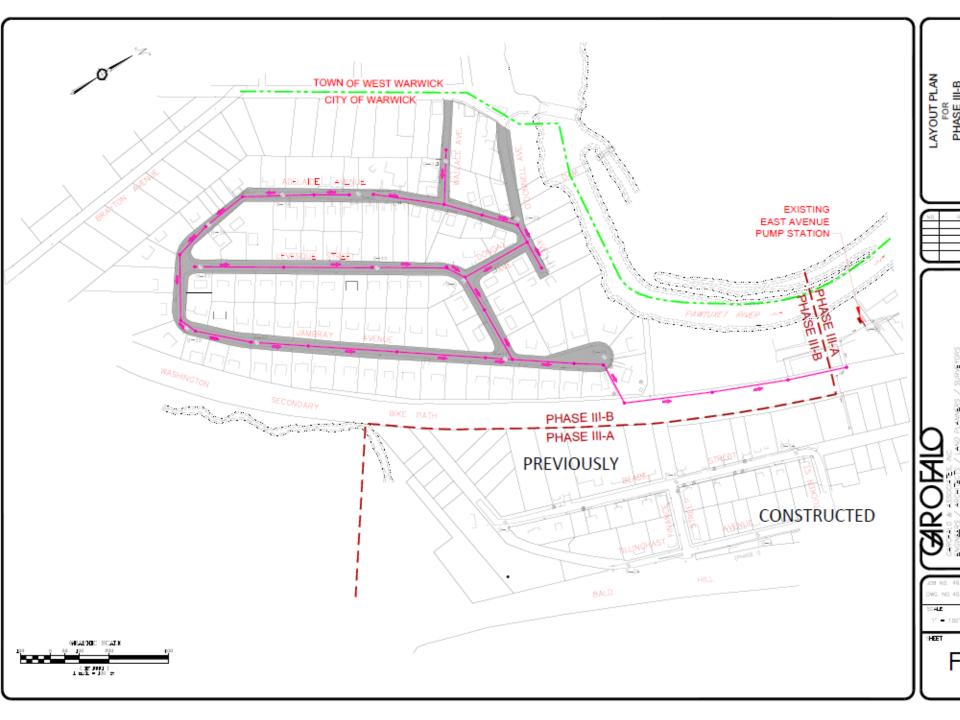


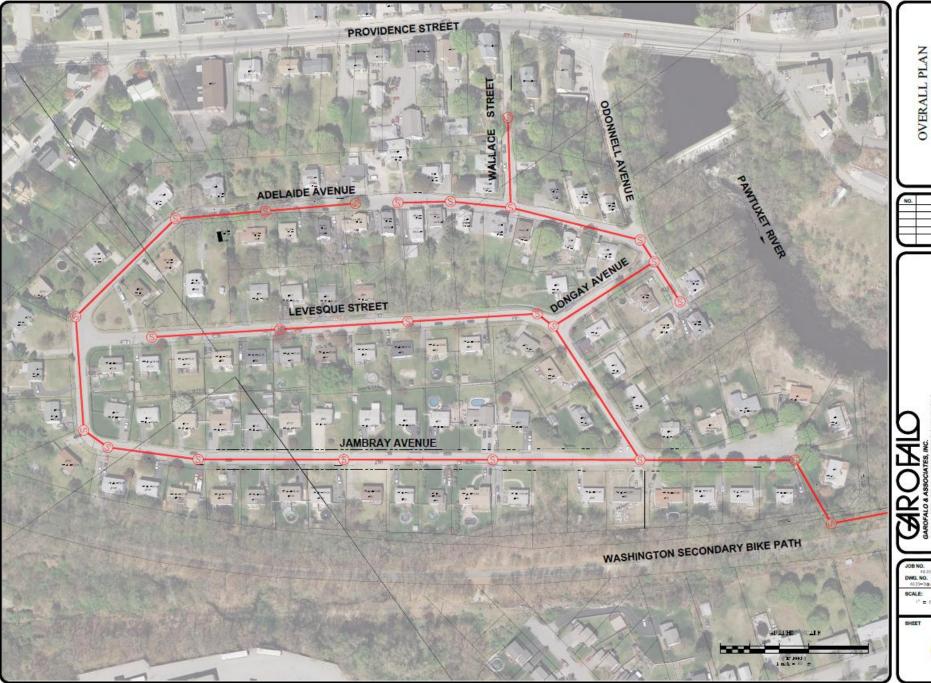
June 26, 2018



GROFIO

GAROFALO & ASSOCIATES, INC.
CIVIL & STRUCTURAL ENGINEERS\SURVEYORS
LAND PLANNERS\ENVIRONMENTAL SCIENTISTS
85 CORLISS STREET, P.O. BOX 615
PROVIDENCE, R.I. 02940
(401)273-600 FAX: (401)273-1000





EAST NATICK

DWG. NO. 4635-Base de SCALE:

SHEET

Project Facts

- Ranks high on the State-Wide Clean Water Project List (30 out of nearly 200 projects)
- Adjacent to Pawtuxet River
- 93 properties to be serviced
- Majority of on-site wastewater treatment systems original to houses constructed in 1970s and 1980s
- Significant ledge in project area
- Bids for construction to be opened July 13th

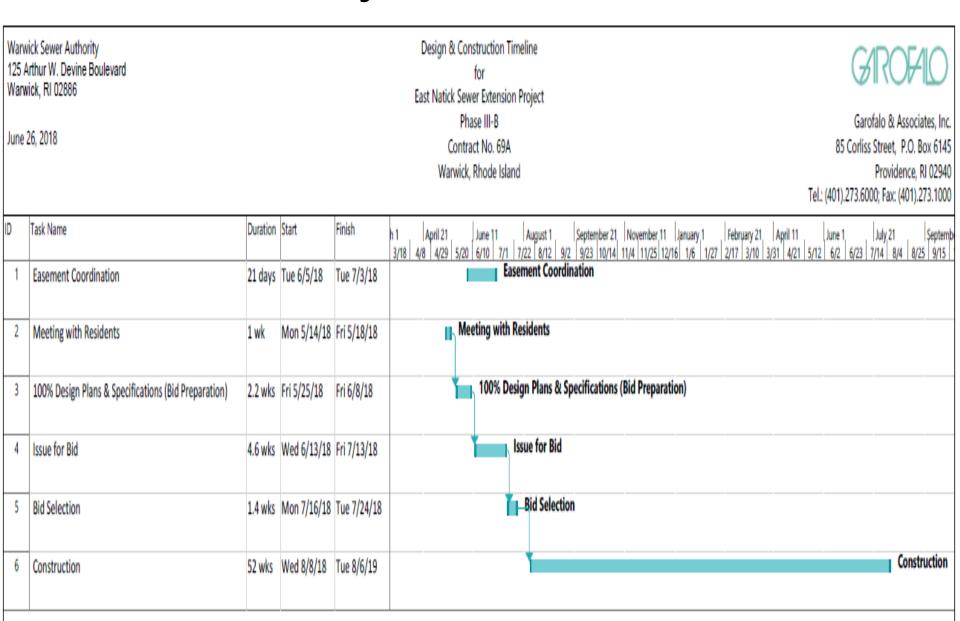
Project Costs

- Engineer's estimate for construction costs is around \$1.5 million (bids to determine final costs)
- Total costs will be over \$1.6 million with engineering and land-acquisition costs included
- Cost divided by number of properties served: \$17,500 (estimated sewer assessment)

Current Status of Sewer Project

- RIDEM wetlands permit approved
- RIDEM Certificate of Approval (for SRF funding)
- RIDOT permit approved
 - pending easement approval
- Physical Alteration permit from City for stream crossing
- Finalizing Jambray Court easement agreements
- Intent to award construction contract in late July

Project Schedule



Sewer Construction

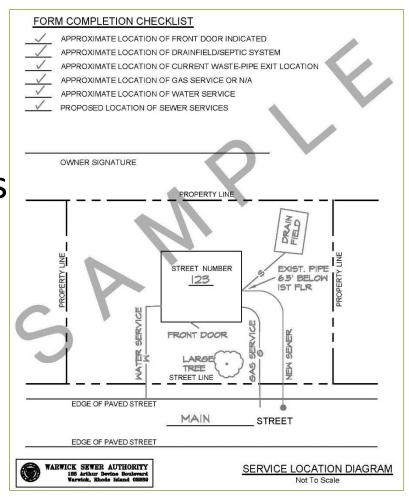
- Installation of main sewer lines by traditional trenching generally in middle of roadway
- Installation of service laterals to property line
- Need property owners to assist in determining the best location for service connections
- Majority of properties will received gravity service but some will require E/One pumps
- Connections for sanitary sewer flows (wastewater) only. Connections of non-sanitary wastewater (e.g., stormwater, groundwater, pool water) are prohibited by law

Service Connection Forms

Looking for the most practical and economic

location

- Based on location of on-site treatment system and avoiding other utilities sprinklers, fences, trees, driveways, etc.
- Garofalo staff to assist;
 can make appointments



Construction – What to Expect

Generally Monday through Friday, 7 a.m. to 4 p.m.

Use of heavy construction equipment – excavators, loaders, trucks

Temporary road closures, construction signage for detours, police details

Temporary stockpiling of materials – sewer pipe, manholes, gravel bedding, etc.

Temporary patching over completed lengths of sewer trench

Coordination with residents affected by construction activity (for access/egress, to move vehicles as required)

WSA and Garofalo to ensure that roadways are maintained in acceptable condition for duration of work

Upon completion of all sewer trenching work, project streets will be resurfaced in their entirely and adjacent grassed areas restored

Questions or concerns during construction can be directed to the WSA or Garofalo Resident Engineer.

Sewer Assessments

Total Project Cost ÷ EDUs in Project Area = \$/EDU (EDU = Equivalent Dwelling Unit)

Estimate for O'Donnell Hill is \$17,500 per EDU

- Single Family Home = 1 EDU
- Two Family Home = 1.1 EDU
- Vacant Lot (developable) = 1 EDU

Assessment Deferments

For "new" on-site wastewater treatment systems:

 20 years from the date of installation or upon connection to the sewer system, whichever comes first

Hardships:

- If eligible for City's Circuit Breaker program (must apply)
- Other programs being considered by WSA

Sewer Usage

- Residents in O'Donnell Hill will receive a bill from West Warwick after connecting to the sewer system
- Bills are sent once a year in June, payable quarterly (due dates are July 30, October 15, January 15, and April 15)
- Charges based on the water usage from the prior calendar year

Other Costs

- Connection to service stub at property line: \$2,500 (average) but depends on length, internal plumbing and other factors (owner pays drain layer)
- WSA Finance Committee exploring financial assistance programs as well as incentive programs for connecting

Estimated Monthly Sewer Expense

Monthly Assessment Charge: \$103 *

Average Monthly Usage Bill: \$ 40

Total Estimated Monthly Expense: \$143

* For \$17,500 at 3.5% interest over 20 years

Questions?