





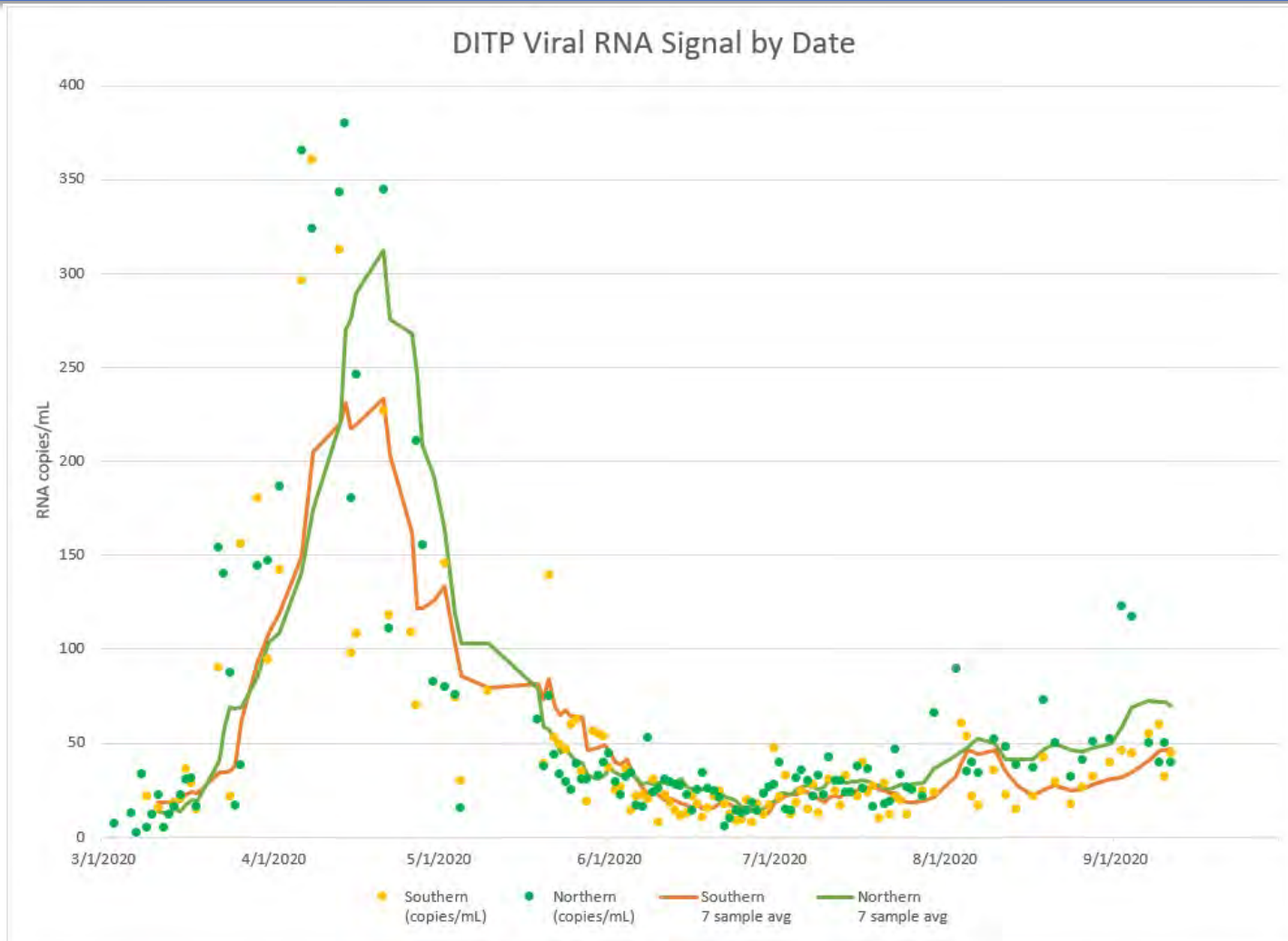
*Early Warning Pilot for the Resurgence of COVID-19
Contract OP-419, Amendment 1*

September 16, 2020



Amendment 1

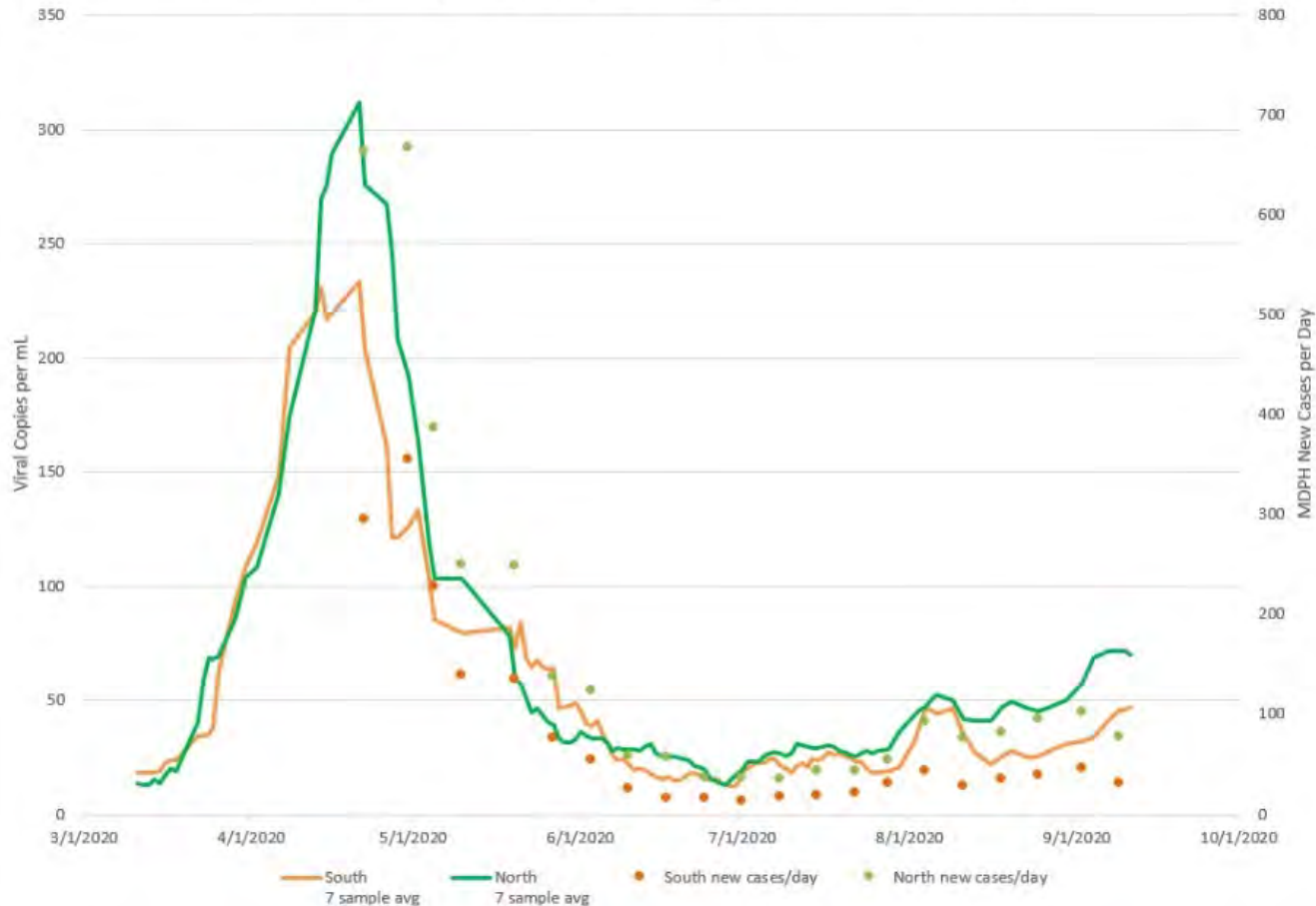
- Original program included funds for samples 3X weekly from Deer Island for the rest of 2020, with an allowance for 40 extra samples should the need arise
- 71 extra samples have been submitted to date, with 29 of those for expedited turnaround due to temporary upward trends in the results
- Expedited turnaround samples have a 75% surcharge above the regular price for results the next business day
- Amendment adds funds to cover extra cost so far, and allow for 4 weeks of increased sampling with expedited turnaround
- We only pay for samples we submit





Data Compared To New Cases

DITP Viral Signal Compared to Weekly New Cases in Service Area





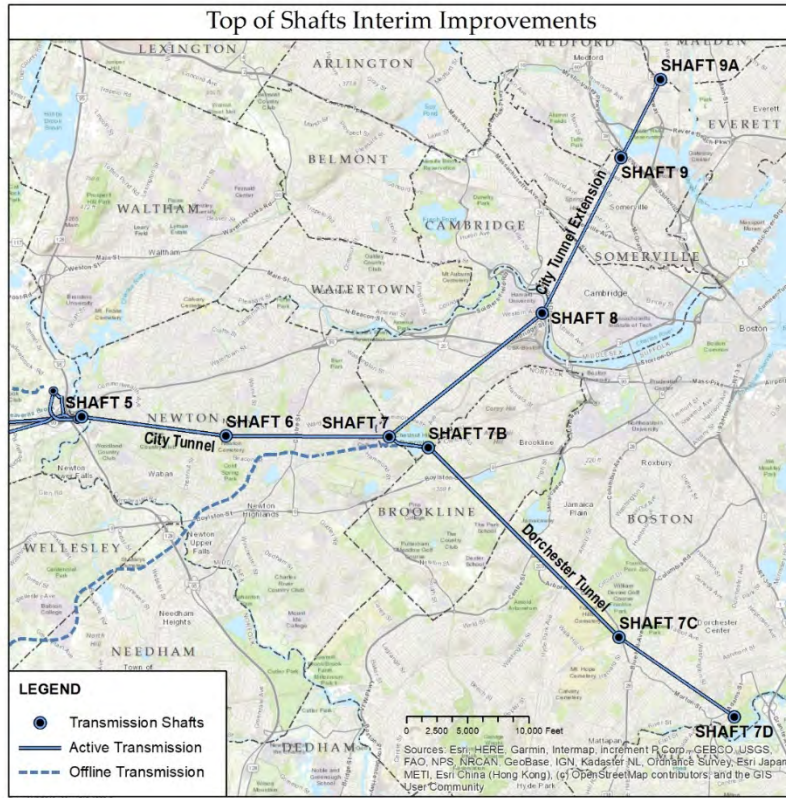


*Top of Shafts 6, 8 and 9A
Interim Improvements
Newton, Boston, Malden*

September 16, 2020



Top of Shafts Interim Improvements – All Sites



- Improve and protect critical facilities related to the existing tunnel system at nine shaft locations:
- Shaft 5 – Weston
- Shaft 9 – Somerville
- **Shaft 6 – Newton**
- Shaft 7 – Boston College
- Shaft 7B – Chestnut Hill
- Shaft 7C – Dorchester
- Shaft 7D – Dorchester
- **Shaft 8 – Brighton**
- **Shaft 9A - Malden**

*without taking shaft system out of service



Scope of Work

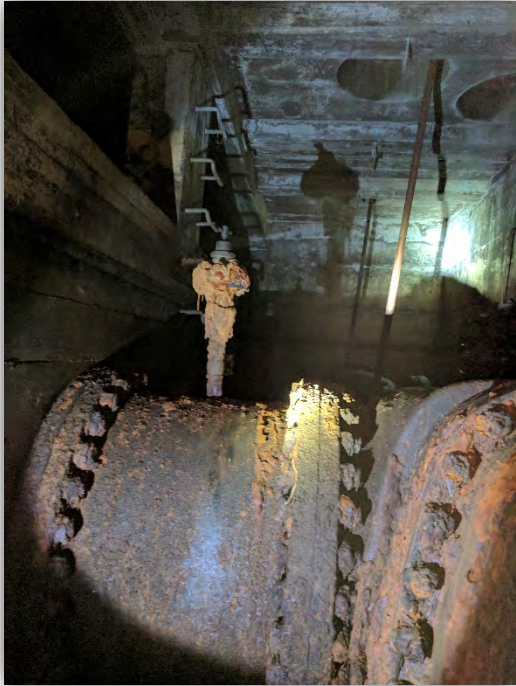
- Install new bolts, rods, and nuts at flanges and valves
- Install carbon fiber wrap and tape wrap for strength and corrosion resistance on pipes and valve bodies
- Concrete repair and epoxy coating for vaults
- Two new 56-inch flexible couplings as backup for 9A

Significant Project Constraints:

- *Work on one site at a time*
- *All work via confined space entry*
- *No work during summer demand period*
- *Labor intensive work*



Top of Shafts 6, 8 and 9A Interim Improvements





Proposals Opened on June 17, 2020:

<u>Bidder</u>	<u>Amount</u>
National Water Main	\$2,391,500
GVC Construction	\$3,225,000
R. Zoppo Corp.	\$3,375,725
WES Construction	\$3,770,500
Bond Civil & Utility	\$4,044,175
<i>Engineer's Estimate</i>	<i>\$4,177,000</i>





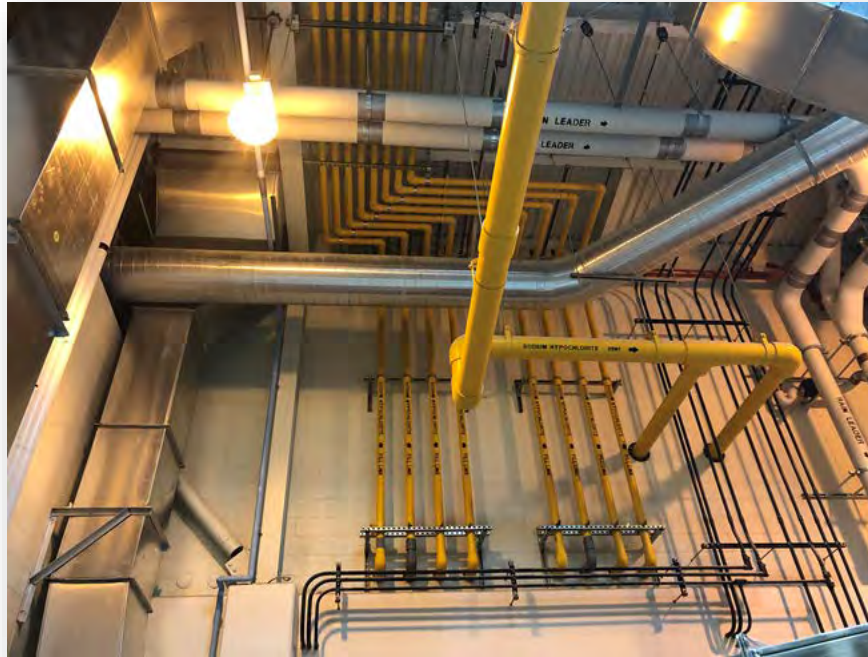
*John J. Carroll Water Treatment Plant
Sodium Hypochlorite System Modifications
Contract 7085H*

September 16, 2020



Chemical Building Sodium Hypochlorite Fill Lines

Modifications are required due to pipe leaks and pump failures caused by exposure to hypochlorite since 2005



Sodium Hypochlorite Pipe



Sodium Hypochlorite Leak



Carroll Plant Sodium Hypochlorite System Modifications

General bids were received and opened on August 12, 2020 as shown below:

Bidders	Bid Amount
Harding & Smith, LLC	\$1,406,830.00
<i>Engineer's Estimate</i>	<i>\$1,859,000.00</i>
WES Construction Corp.	\$1,985,598.00
R.H. White Construction Co.	\$2,049,970.00



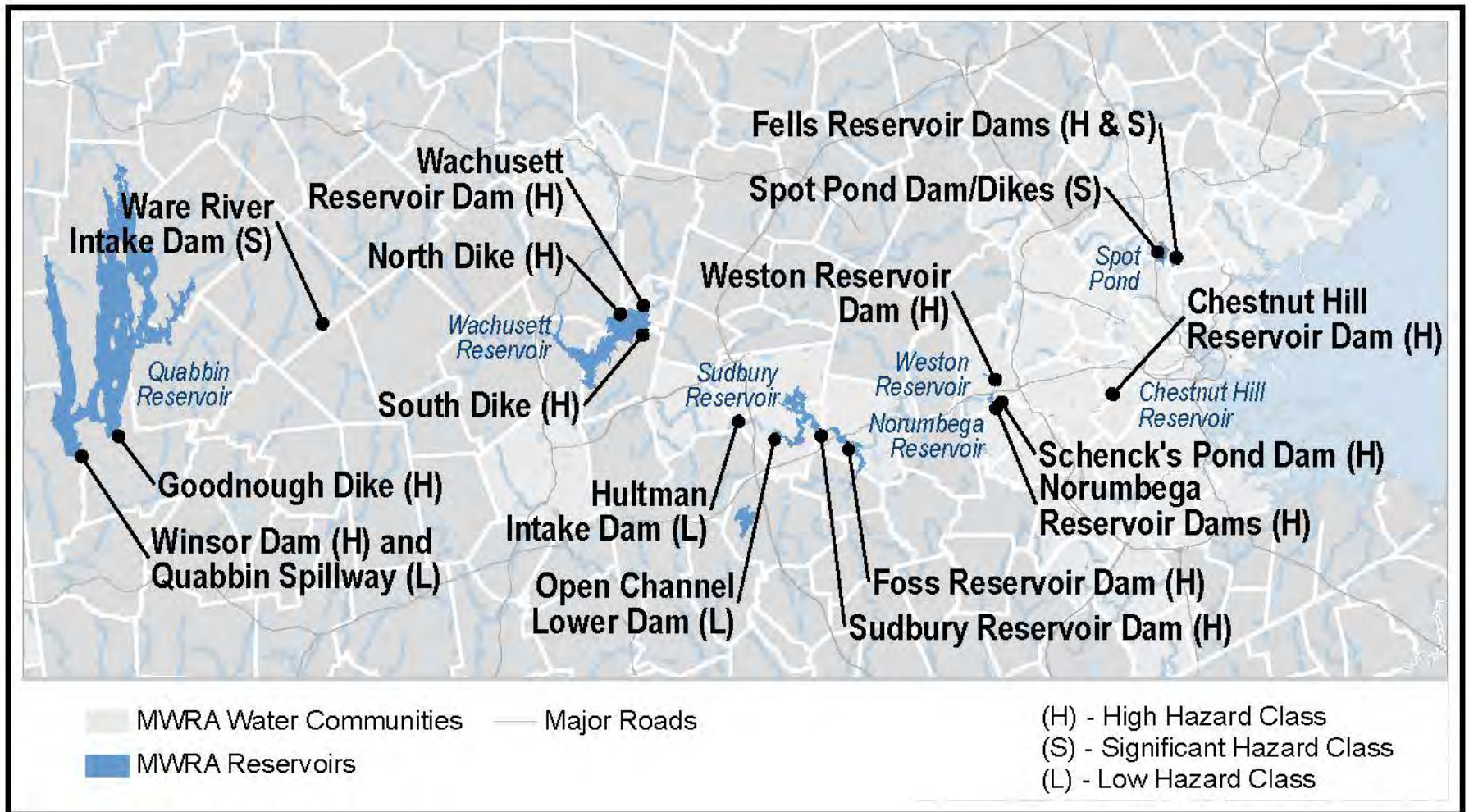


*Dam Safety Compliance and Consulting Services
Contract W328*

September 16, 2020



MWRA Dams







*WASM 3 Rehabilitation, Sections
W11/W12/W16/51
Arlington, Somerville and Medford*

September 16, 2020



WASM 3 Rehabilitation Sections

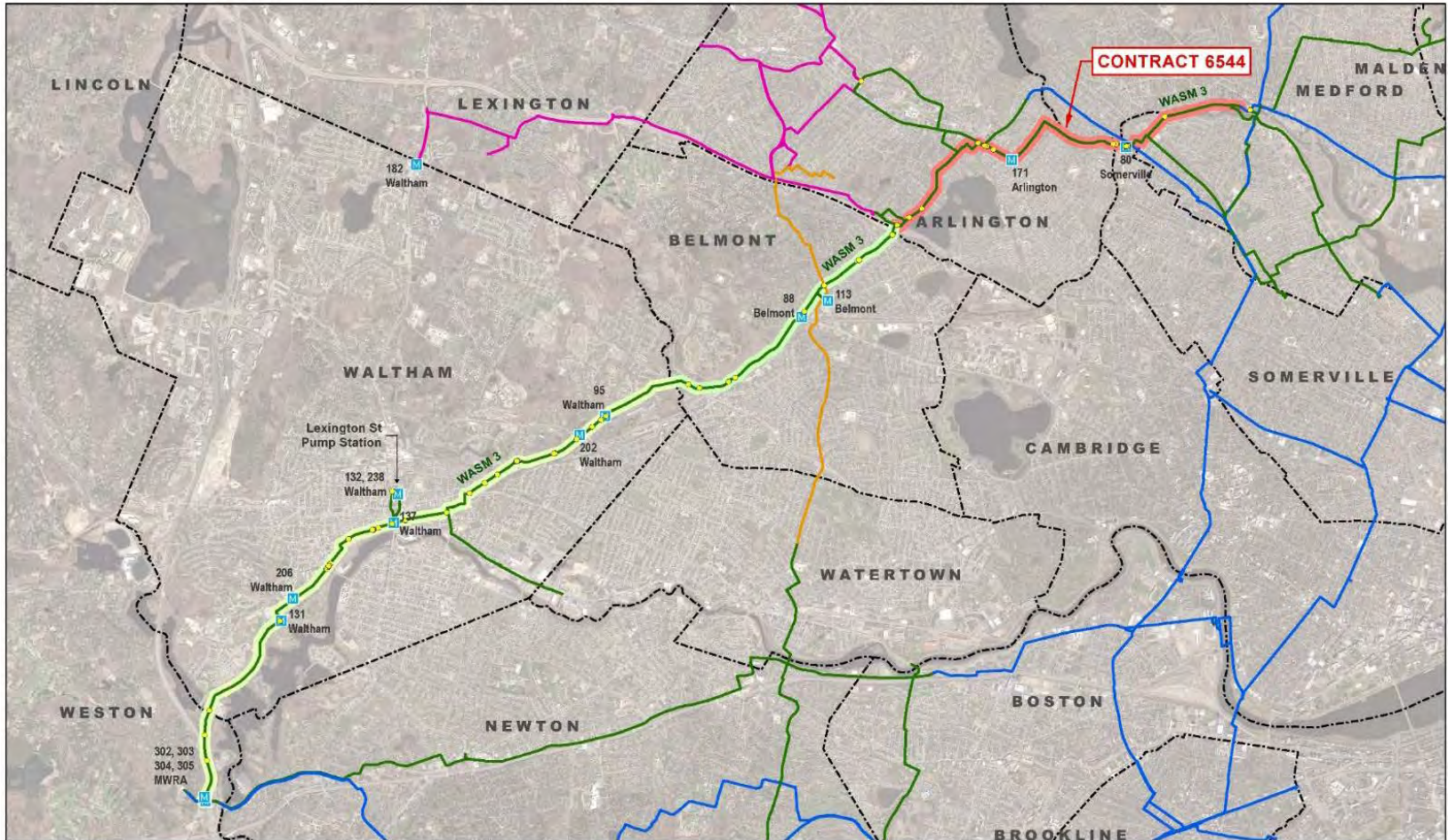


FIGURE 1

WASM 3 Rehabilitation

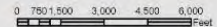
MWRA Distribution Pipes

- Low
- High; Northern High; Southern High

- Intermediate High
- Northern Extra High

- WASM 3 Leaks
- MWRA Water Meters

- Town Boundaries





Construction Contract 6544 – Sequence of Work





Bids Received

<u>Bidder</u>	<u>Amount</u>
Albanese D&S	\$19,487,850
P. Gioioso & Sons, Inc.	\$20,820,000
R. Zoppo Corp.	\$21,896,000
RJV Construction Corp.	\$25,295,000
<i>Engineer's Estimate</i>	<i>\$13,992,000</i>