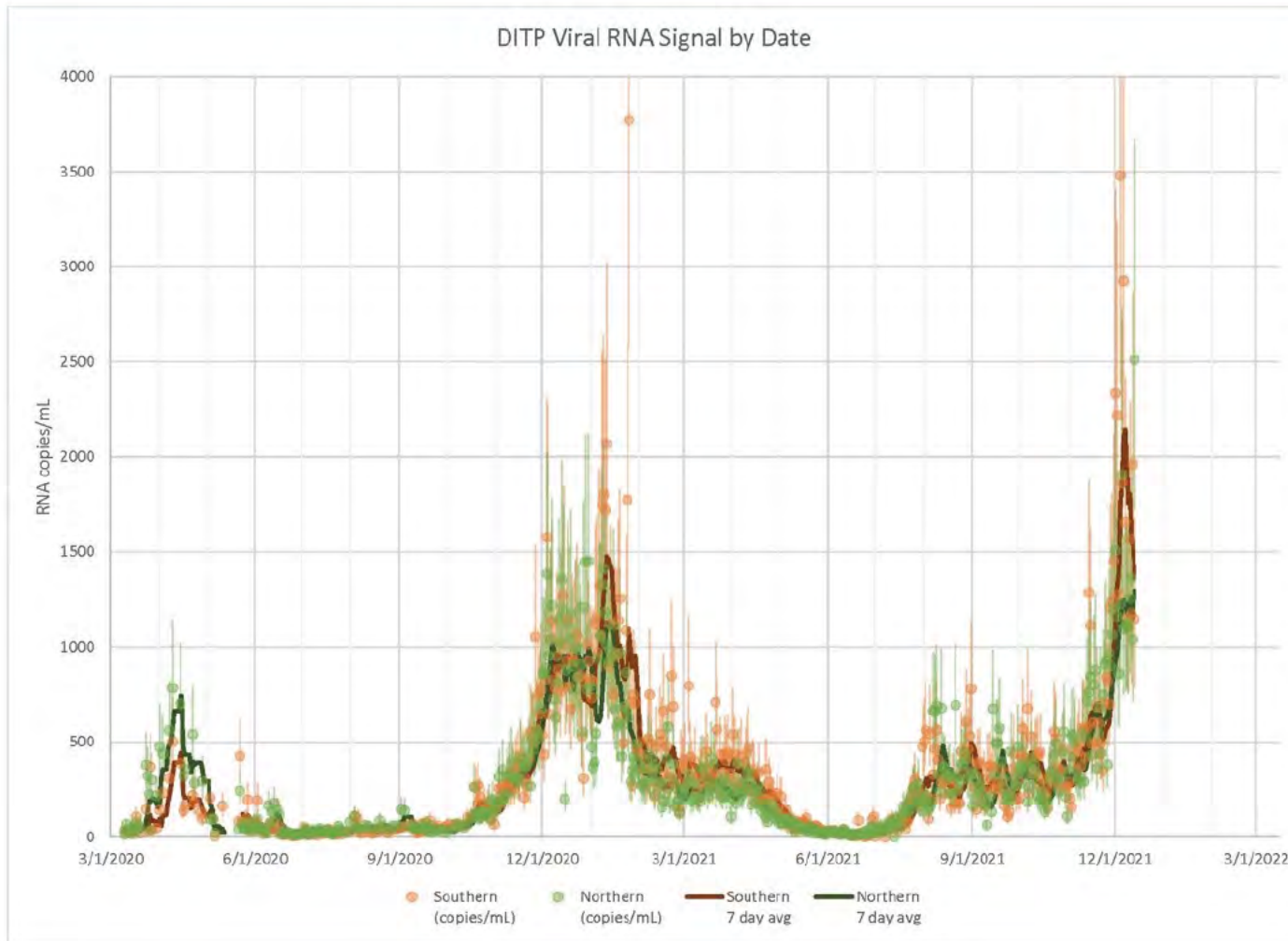




Wastewater COVID Testing





***Cottage Farm CSO
Facility Improvements and
PCB Removal/Abatement***

December 15, 2021



Short-Term Rehabilitation Needs



> 40 Year-Old Pump Engines



Chemical Tank Leaks



***Clinton Wastewater Treatment Plant
Screw Pump Replacement, Phase 1
Contract 7704***

December 15, 2021



Clinton Influent Screw Pump Replacement



- Pumps beyond useful life
- Two of three pumps out of service
- New pumps more energy efficient
- New pumps corrosion resistant stainless steel



***Gravity Thickener Upgrade
Deer Island Treatment Plant
Contract 7428, Change Order 17***

December 15, 2021



Gravity Thickener Upgrade, Change Order 17



- 5 items totaling \$244,289.11
- No increase in contract term
- Project completed on time
- \$20.2 million total cost
- Low change order percentage (3.01%)



2015 Storm Damage Repaired



- \$984,283.05 MEMA funded as result of storm damage



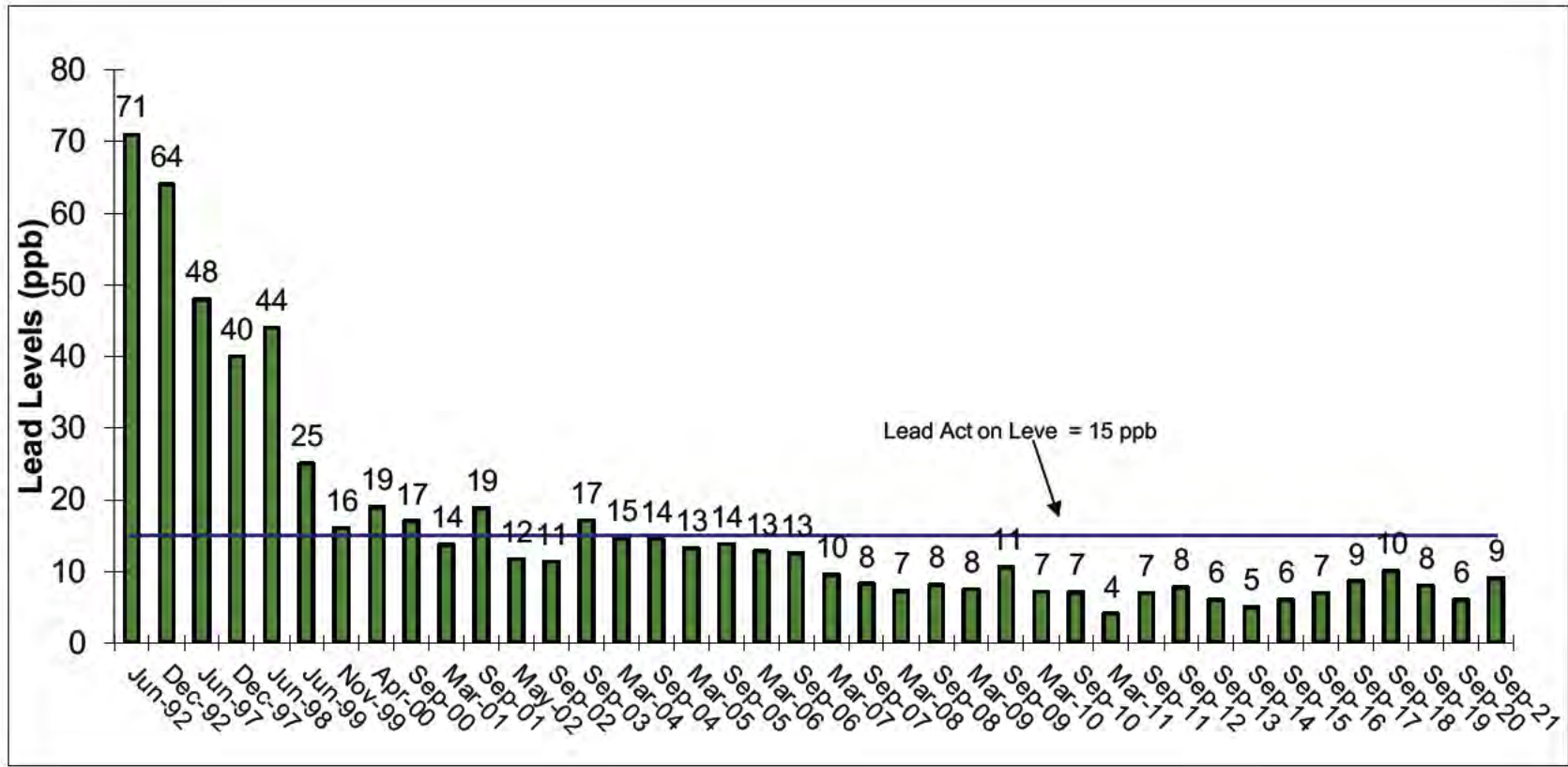


***Update on Lead and Copper Rule Compliance:
Fall 2021***

December 15, 2021



90% Lead Levels in MWRA Fully Served Communities





***Section 101 Extension Project
Contract 7692
Memorandum of Agreement with
the City of Waltham***

December 15, 2021



Project Map





***Wachusett Dam Bastion Improvements
Contract 7697***

December 15, 2021



Wachusett Reservoir Dam



Wachusett Dam Bastion



Project Purpose

Bastion improvements required due to structural deficiencies/leaks in roof



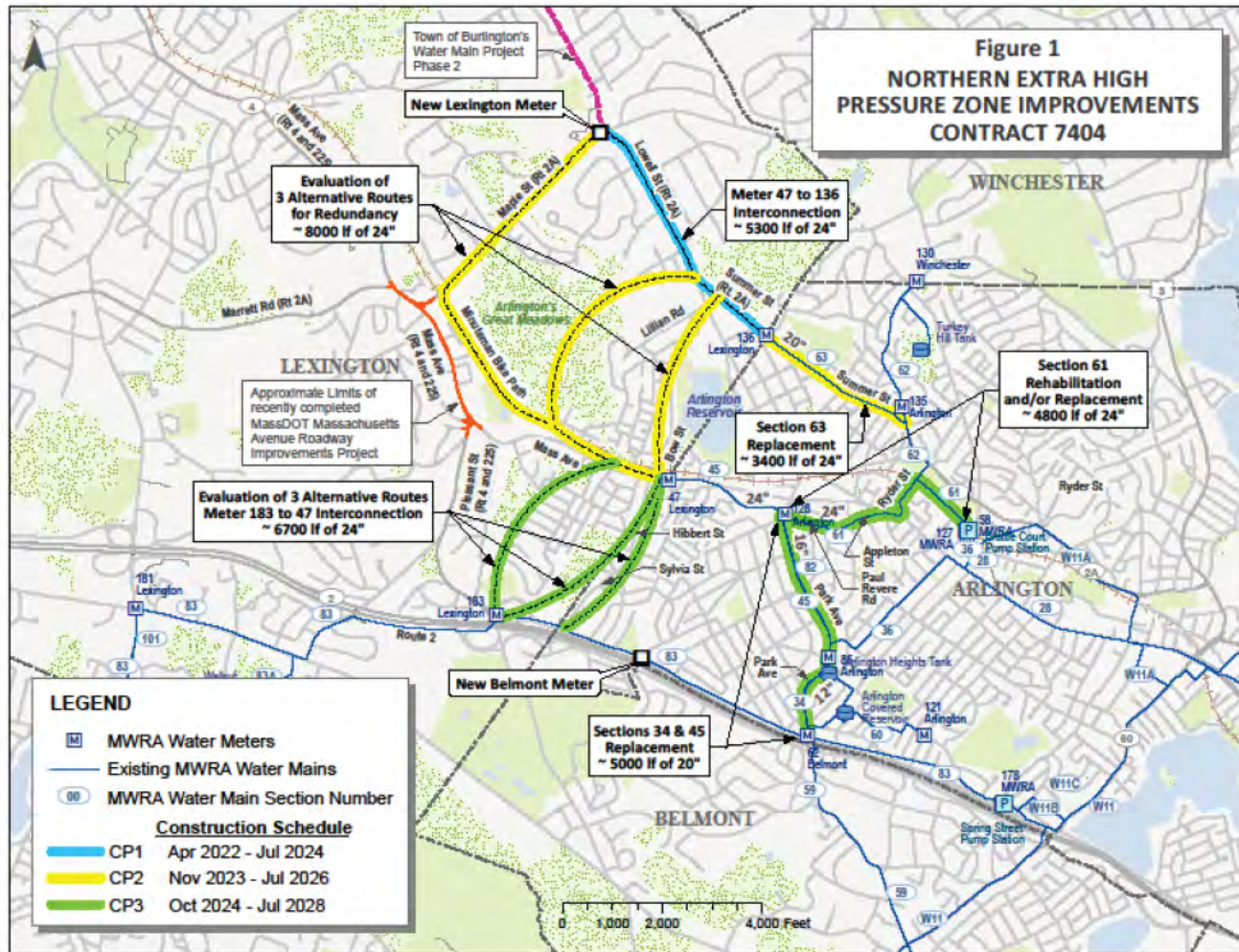


***Pre-purchase of Materials for Northern Extra
High Pressure Zone Improvements Section 63
(Lexington)***

December 15, 2021



Project Location



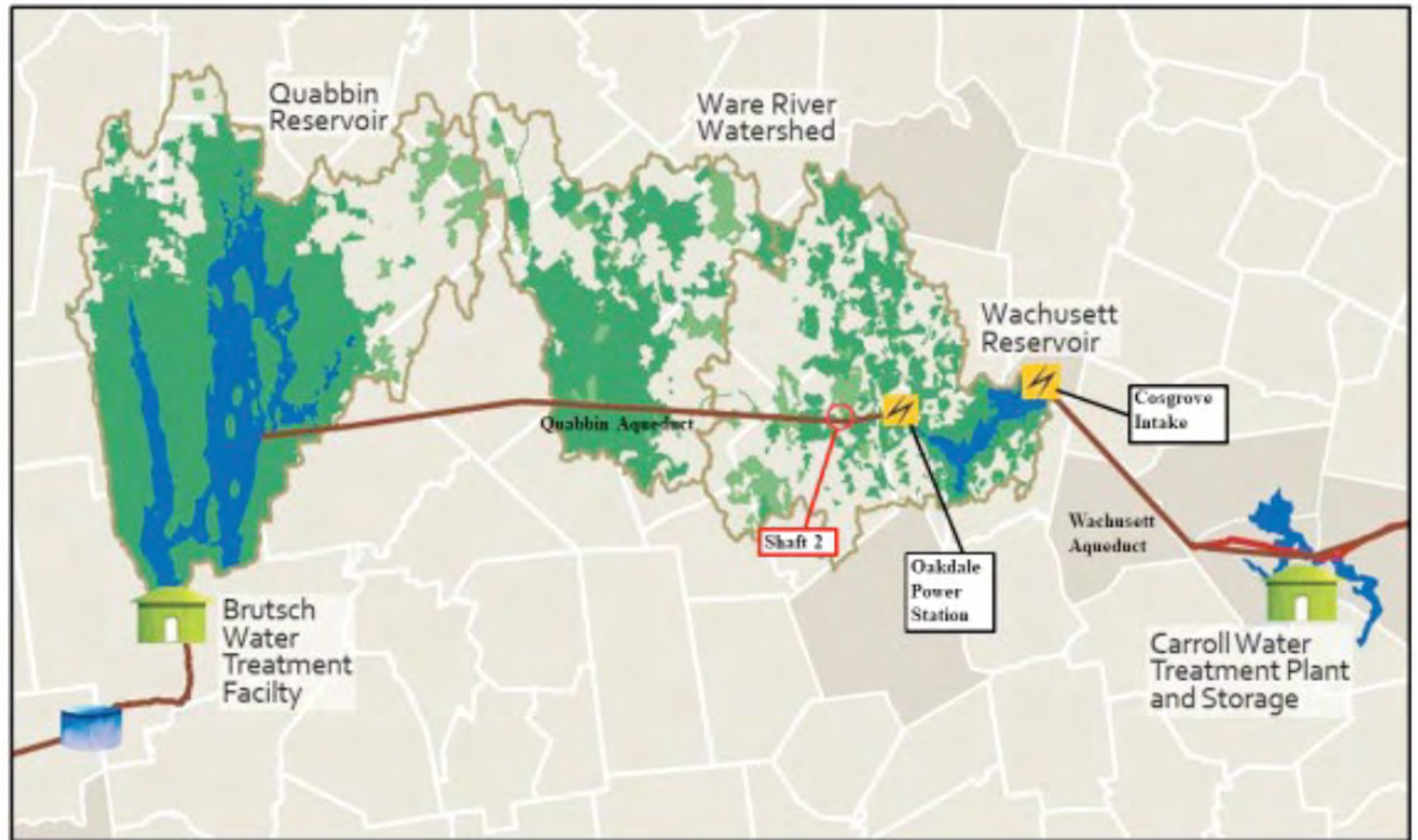


***Quabbin Aqueduct Shaft 2 Repairs
Contract 7198***

December 15, 2021



Quabbin Aqueduct Shaft 2 Located in Holden, MA



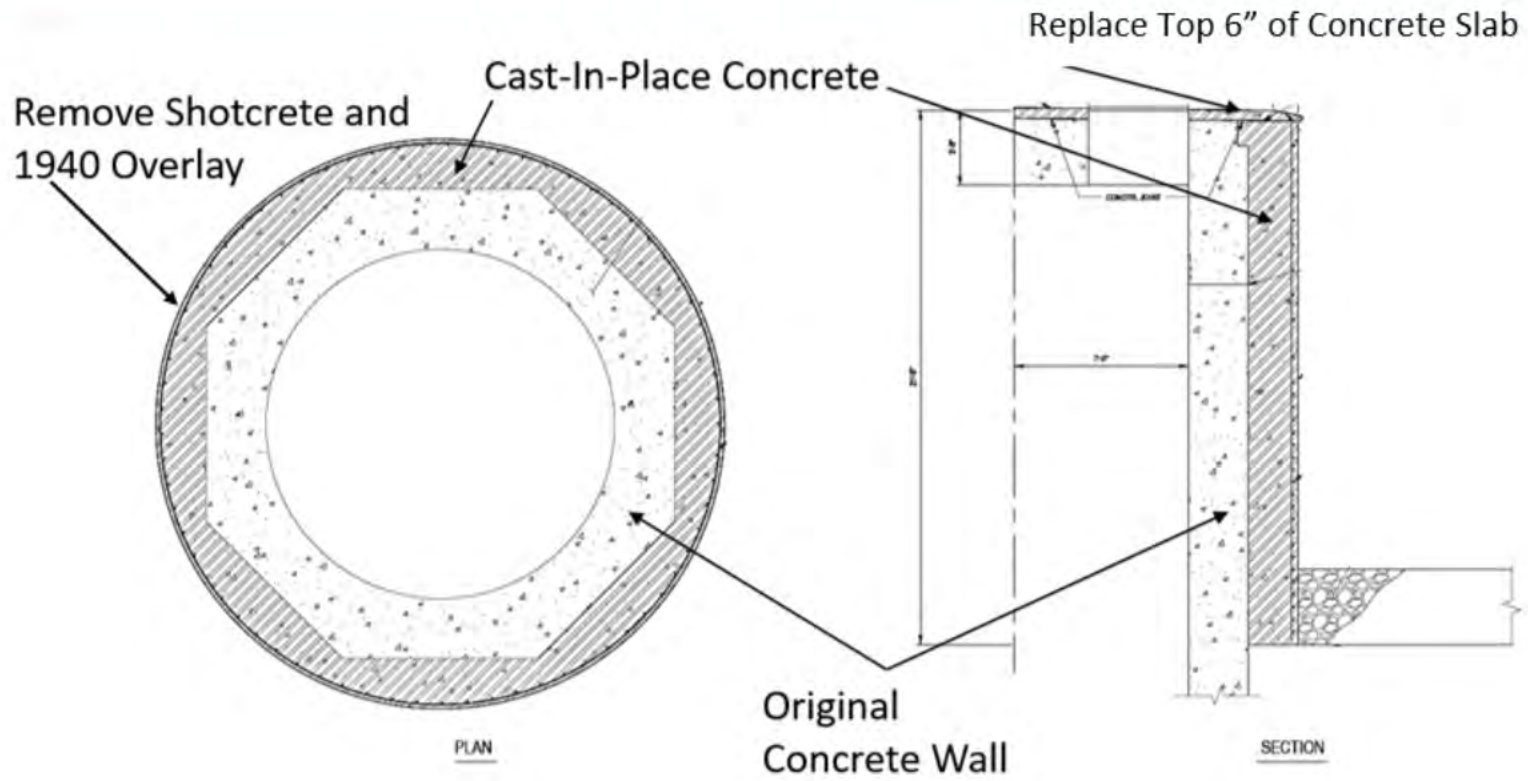


Quabbin Aqueduct Shaft 2 - Preconstruction Condition





Shaft 2 - Initial Scope of Repair



Original limits of contract concrete work



Shaft 2 Demolition – Exterior Concrete Removal



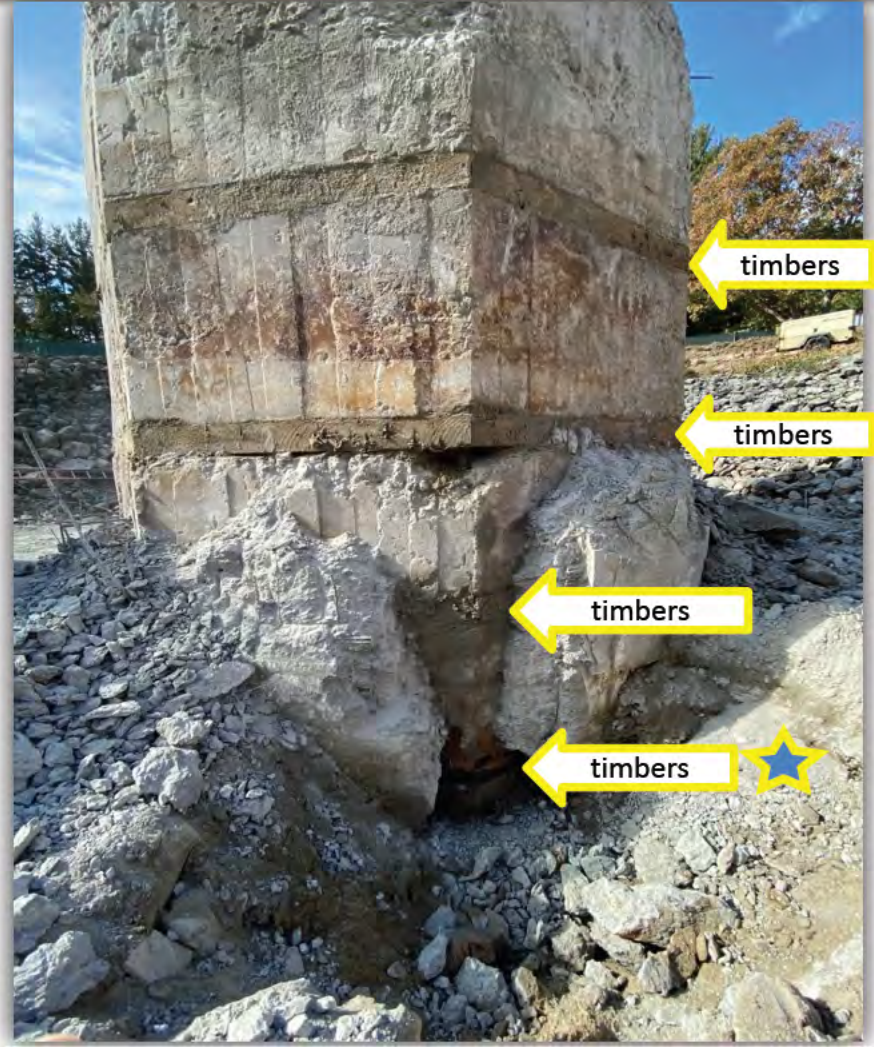


Concrete Layers – Exposed During Demolition





Base Shaft 2 Concrete Timbers Revealed





Shaft 2 Removing Timbers and Concrete Delamination





Shaft 2 – Concrete Panels and Timbers Removal

