

Massachusetts Water Resources Authority

Update to WSCAC on
Sudbury Spillway Masonry/
Gatehouse Vent Repair
and
North Dike Overtopping Protections

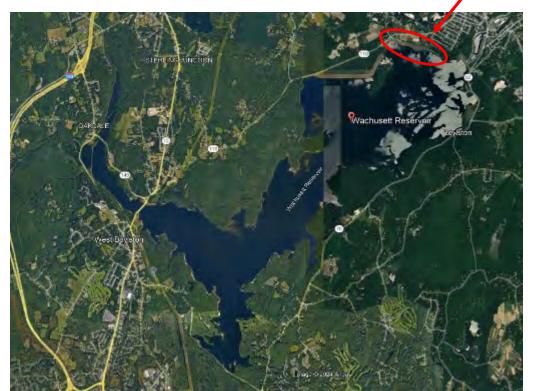
12.11.24

John J. Gregoire





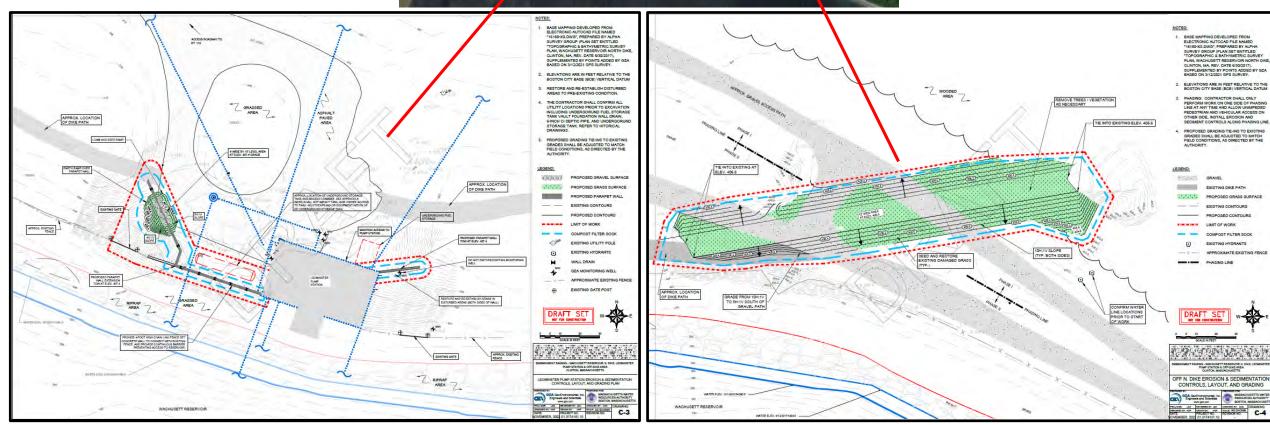






North Dike Overtopping Protection: Parapet wall at LPS and berm at end of North Dike







Contract #7615 Project Sign









03.27.24 Removal of abandoned CMP

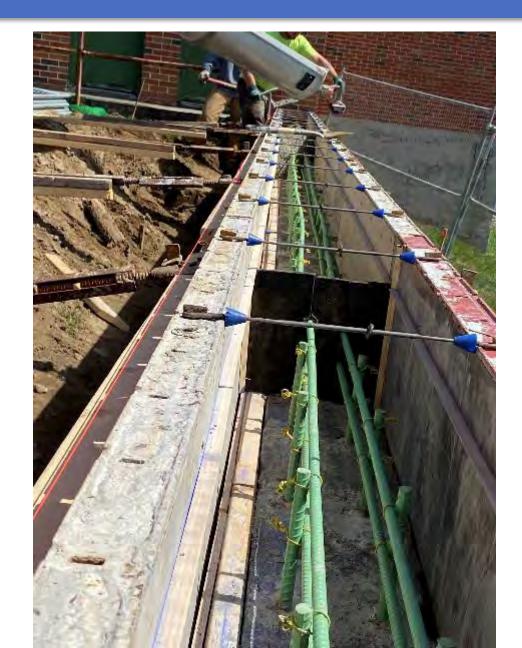






Parapet walls formed, rebarred and concrete pour







Before and After



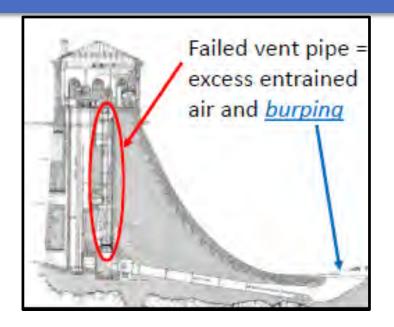






CIP: Sudbury Dam Spillway Masonry Repair and GH Vent Pipe

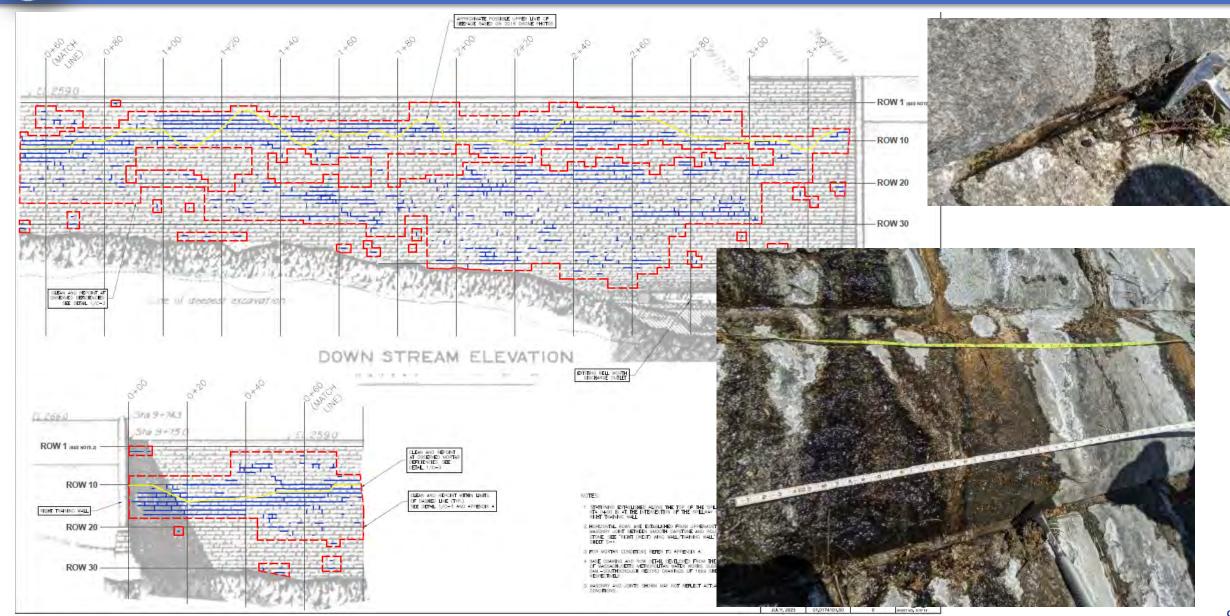




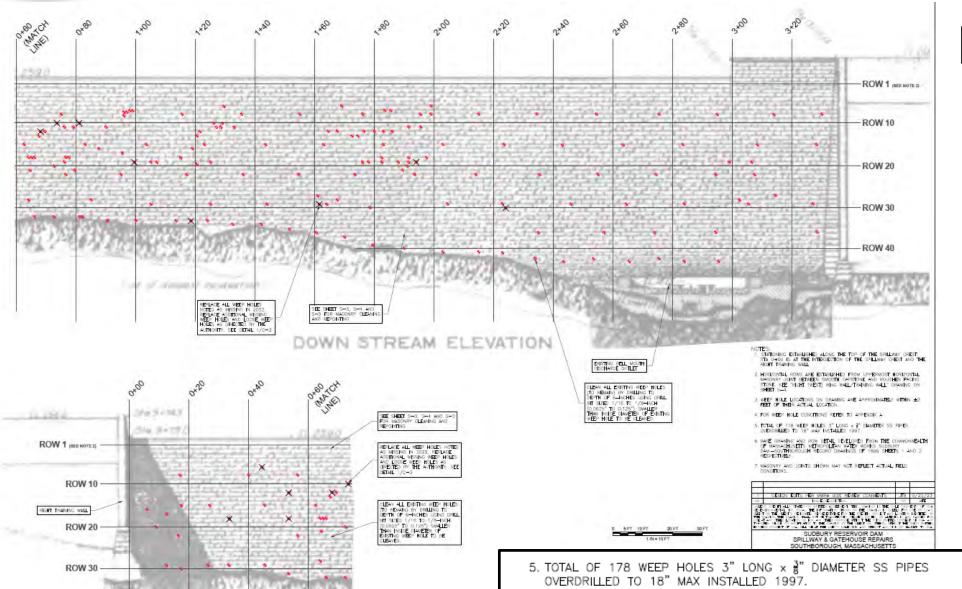
- Clean masonry and remove vegetation and efflorescence.
- Repair of mortar on the Sudbury Dam spillway and GH. Restore weepholes.
- Abandon 2 obsolete piezometers
- Repair of the Sudbury Dam gatehouse vent pipe
- Cost for engineering design: \$87,151
- Cost for ESDC: \$36,140
- Construction: \$1,600,000



Spillway Face mortar deficiencies and repair



Weep Holes



Before weep hole cleaning



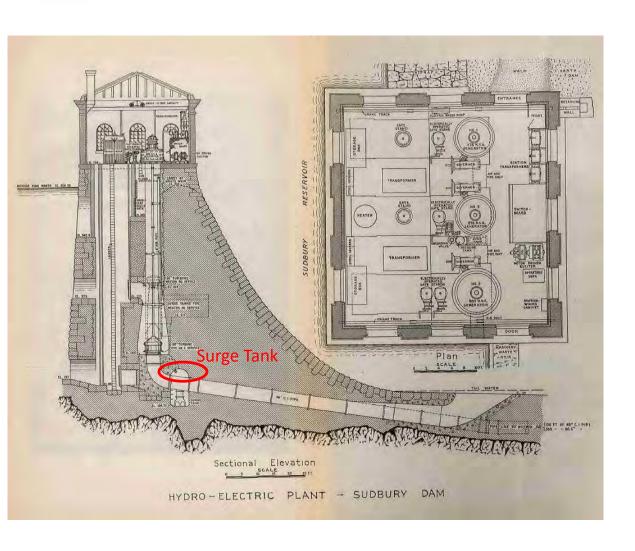
After weep hole cleaning

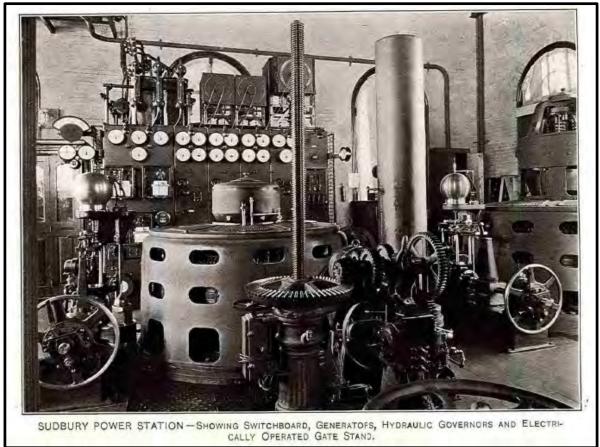


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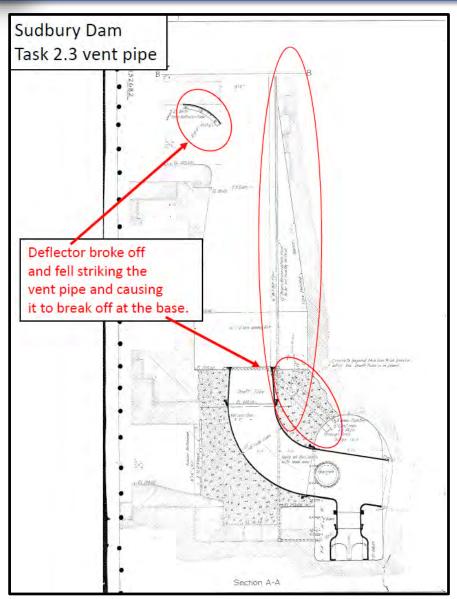
Sudbury Dam Hydro-electric Plant installed in 1914/5

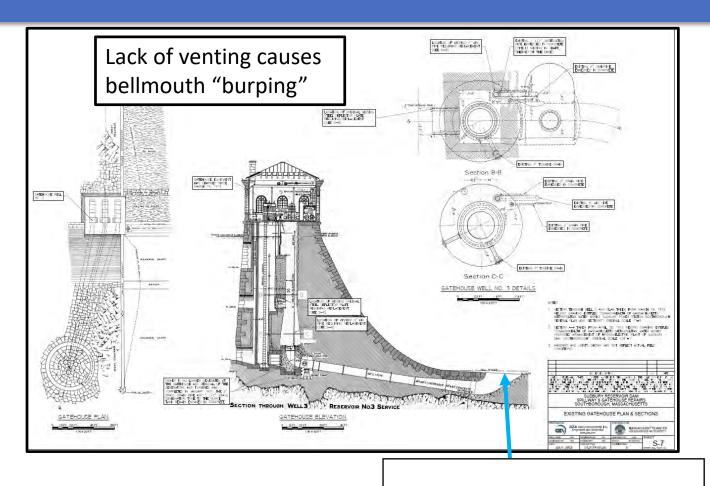






Gatehouse Vent Repair







Gatehouse vent repair

