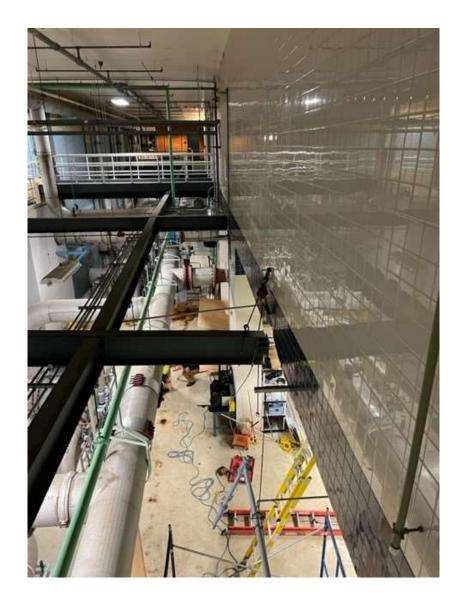
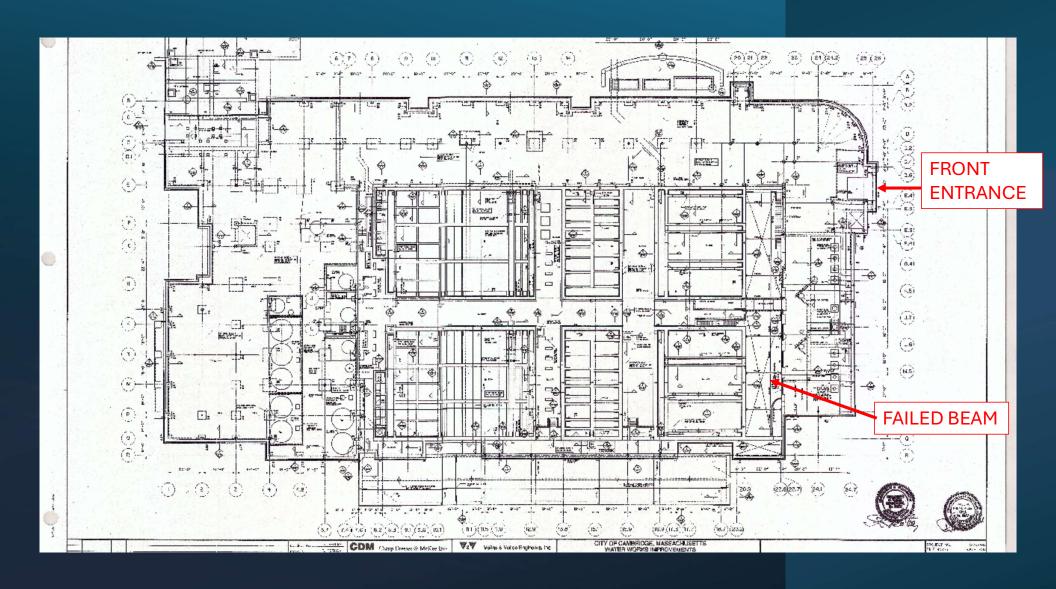
FILTER PIPE GALLERY 24"BACKWASH PIPING SUPPORT STRUCTURAL BEAM FAILURE JANUARY 18TH 2024 AT APPOX 4:00 PM ON JAN 18TH 2024 AN I BEAM THAT WAS PART OF THE PIPE SUPPORT SYSTEM FOR THE BACKWASH PIPING SYSTEM BROKE FREE FROM THE PIPE GALLERY WALL CAUSING A PLANT SHUTDOWN AND SWITCH TO MWRA





EVENT TIMELINE

THURSDAY JAN 18

- 4:00 PM CWD OPERATORS DISCOVER BEAM FAILURE FOR THE BACKWASH PIPE SUPPORT SYSTEM IN THE FILTER PIPE GALLERY.
- 4:30 PM CWD OPERATORS SHUT DOWN PLANT AND START TO DRAIN BACKWASH PIPING
- 6:00 PM CWD MANAGEMENT ASSESS ISSUE AND CONTACT ON-CALL MECHANICAL CONTRACTOR RH WHITE FOR EMERGENCY RESPONSE
- 7:30 PM RH WHITE STAFF ARRIVE AND INSTALL ANCHOR BOLT AND CHAINFALL TO SECURE FAILED BEAM AND BEGIN CONSTRUCTION OF TEMPORARY WOODEN PIPE SUPPORTS
- 8:30 PM CWD STAFF OPEN VALVE AT NORFOLK COURT GATEHOUSE AND SWITH TO MWRA WATER
- 11:00 PM RH WHITE COMPLETES INSTALLATION OF TEMPORARY WOODEN SUPPORTS

EVENT TIMELINE

FRIDAY JAN 19

- 8:00 AM RH WHITE SUBCONTRACTOR, EXCEL SCAFFOLDING, REP ARRIVES
- 9:00 AM CDM STRUCTURAL ENGINEERS BEGIN EMERGENCY STRUCTURAL ANALYSIS OF BEAM SUPPORT SYSTEM INTEGRITY
- 12:00 PM EXCEL SCAFFOLDING BEGINS CONSTRUCTION OF TEMPORARY METAL PIPE SUPPORT SYSTEM FOR BACKWASH PIPING
- 8:00 PM CONSTRUCTION OF TEMPORARY METAL PIPE SUPPORT SYSTEM COMPLETE

SAT JAN 20

- 8:00 AM CWD STAFF USE HYDRANT TO STATICALLY FILL BACKWASH PIPING TO LOOK FOR LEAKS OR OTHER STRUCTURAL ISSES WITH THE PIPING
- 12:30 PM CWD STAFF REPAIR LEAK ON THE 24" BACKWASH PIPING

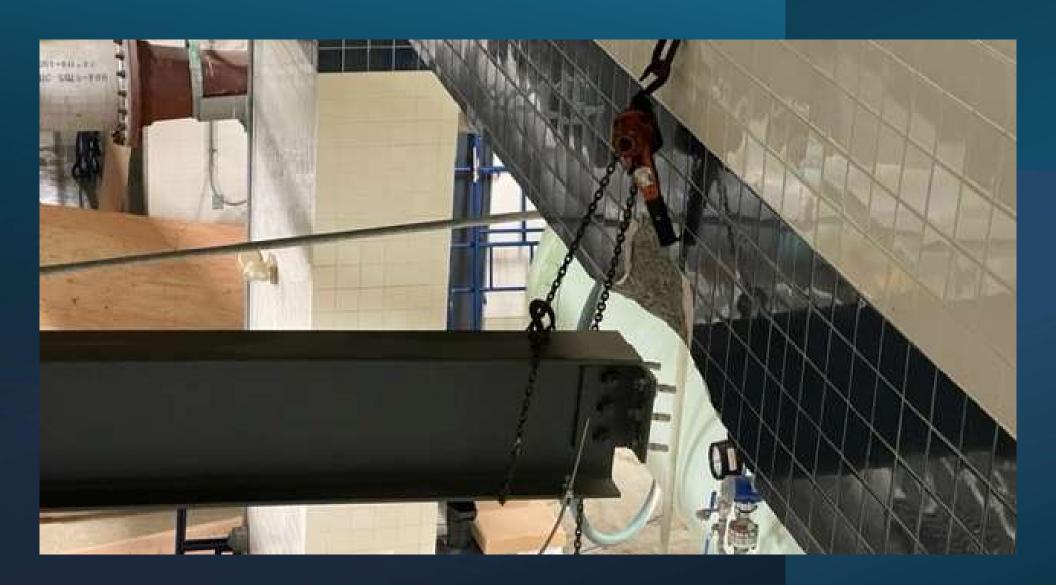
MONDAY JAN 22

- 8:00 AM CWD STAFF CONDUCT A SUCCESSFUL BACKWASH OF THE PLANT AND BEGIN FLUSHING OF THE SYSTEM
- 11:00 AM CWD LAB TAKE WATER QUALITY AND BACTERIA SAMPLES FROM FILTER EFFLUENTS

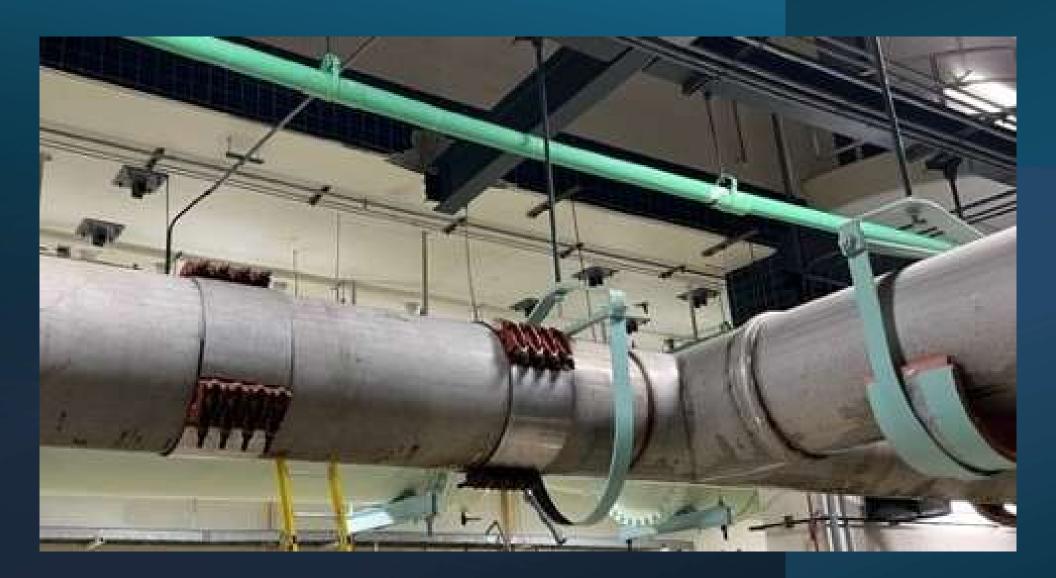
TUESDAY JAN 23

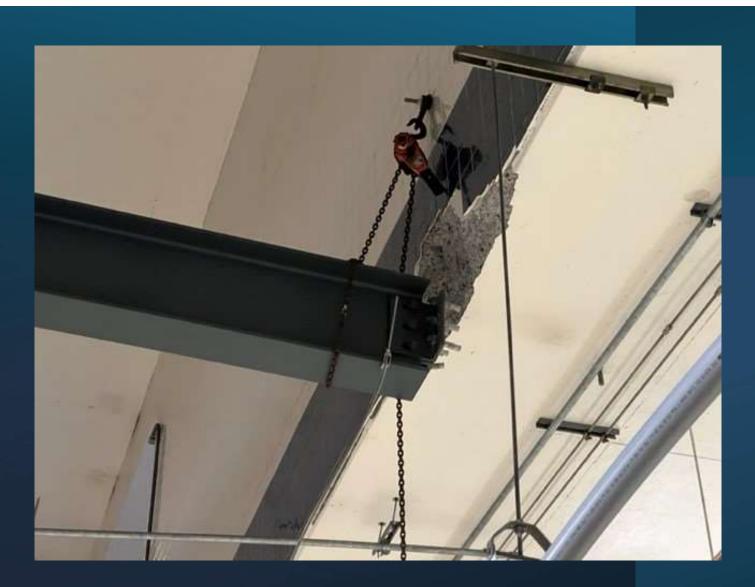
- 12:00 PM CWD LAB CONFIRMS BACTERIA TEST IS NEGATIVE
- 12:30 PM CWD STAFF CLOSE VALVE AT NORFOLK COURT AND RETURN TO CITY WATER SUPPLY

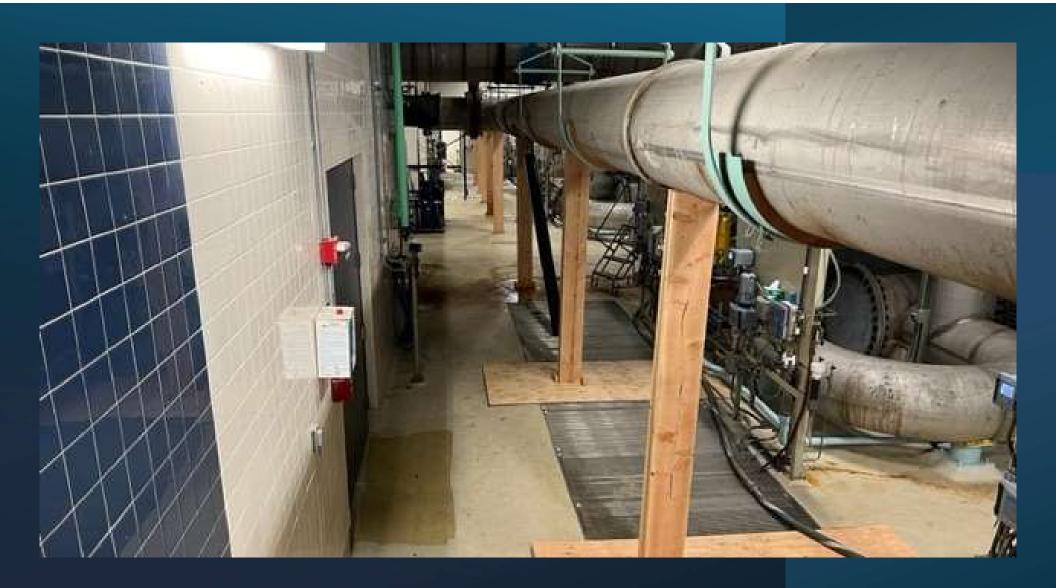




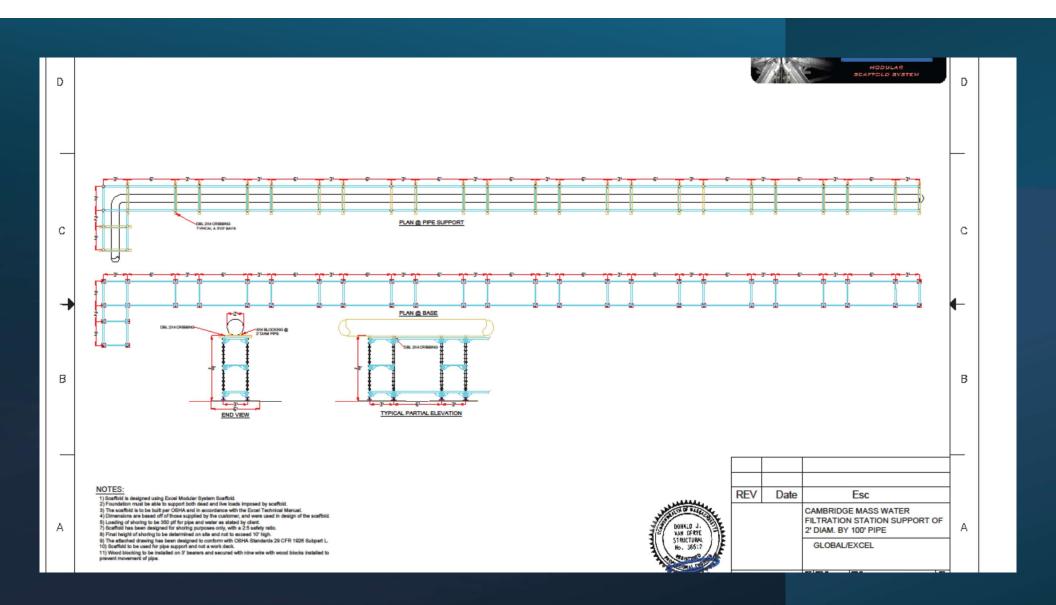








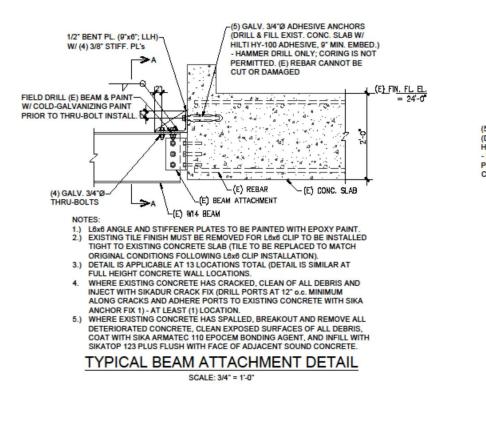


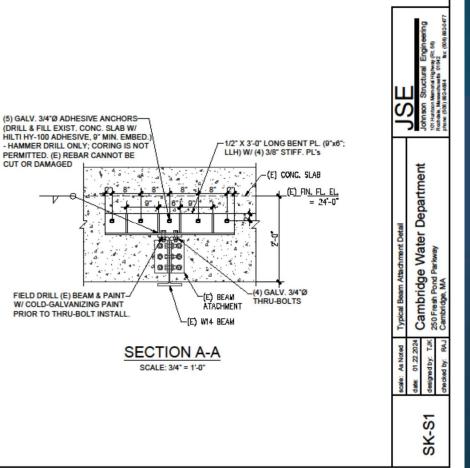












DATE	Final Flow (MGD)
01/18/24	1.474623084
01/19/24	10.77274036
01/20/24	7.877703667
01/21/24	11.61674213
01/22/24	12.02667522
01/23/24	4.684741497
Total	48.5 (MG)
Rate Per MG	\$4,628.12
TOTAL COST	\$224,463.82