

Final Project Completion Report

Project Name and Number: Project Name and Number: **JVWTP Air Scour Piping, #4070**

Description: The JVWTP air scour piping was installed in 1971 and expanded in 1986. The steel piping had developed severe corrosion issues and the blowers had reached the end of their useful life. This project replaced the two air scour blowers and the original air scour piping with new stainless-steel piping.

District Project Manager: David McLean

Engineer:	Brown and Caldwell	Design Status: 100%
Original Engineering Contract Amount:		\$37,328
Final Engineering Contract Amount:		\$205,064

Summary of Contract Amendments:		
	Description	Amount
1	Additional design services and blower specification assistance.	\$42,412
2	Additional design services for blower, electrical and bidding.	\$16,550
3	Construction management services.	\$71,044
4	Additional construction management services for welding inspection, contractor coordination and blower room sound abatement.	\$37,730
	Total Contract Amendment Amount:	\$167,736

Contractor:	Vancon Inc.	Construction Status: 100%
Original construction contract amount:		\$1,458,000
Total Change Order amount:		\$91,126
Final construction contract amount:		\$1,549,126
Total change orders as a percentage of original contract:		6.3%
Completion Schedule:		
	Notice to Proceed:	6/26/2019
	Final Completion:	5/30/2020

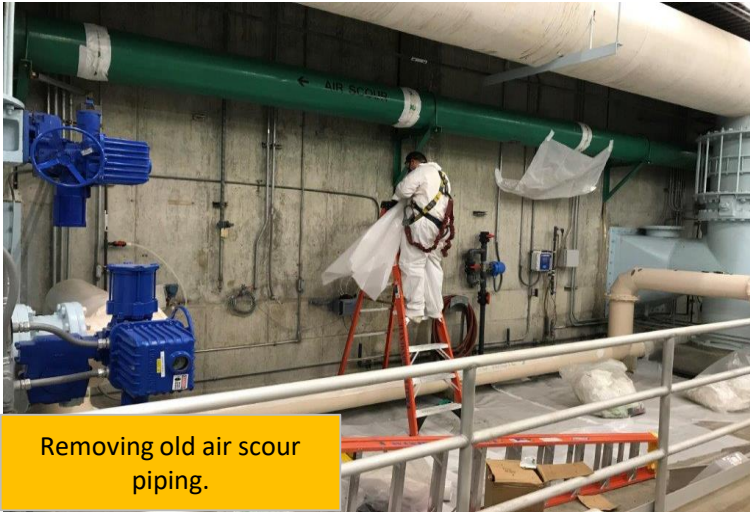
Summary of Change Orders:		
	Description	Amount
1	Add temperature compensation to flow meter.	\$2,501
2	Adjust substantial completion items for Milestone 1.	\$0
3	Provide reducers at filters due to unforeseen condition.	\$47,776
4	Provide anti-corrosion coating to filter manway covers.	\$10,104
5	Provide flex couplings at filters due to unforeseen condition.	\$49,641
6	Final adjustment of asbestos abatement contract allowance.	-\$18,896
	Total Change Order Amount:	\$91,126

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Bower Equipment Supplier:	Fluid Technologies	Construction Status: 100%
Original construction contract amount:		\$144,635
Total Change Order amount:		\$23,920
Final construction contract amount:		\$168,555
Total change orders as a percentage of original contract:		16.5%
Completion Schedule:		
Notice to Proceed:		7/18/2019
Final Completion:		3/9/2020

Summary of Change Orders:		
	Description	Amount
1	Extension of time.	\$0
2	Provide 250 hp motor for west motor to avoid overloading.	\$20,300
3	Provide filter inlet risers for safe change out of filters.	\$3,620
	Total Change Order Amount:	\$23,920

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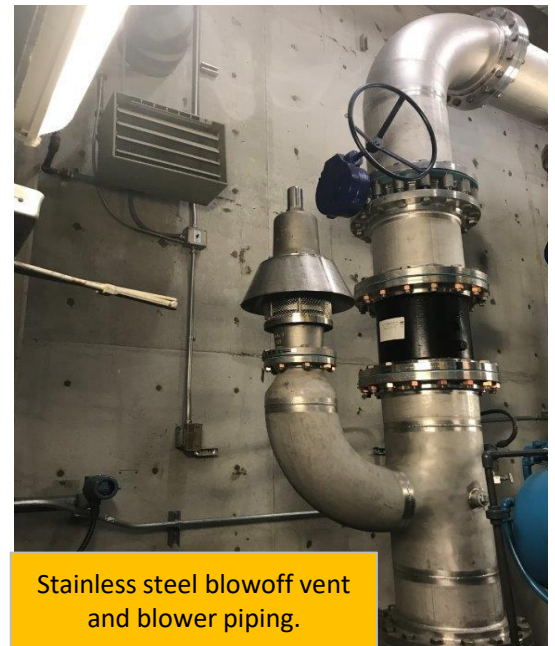
Removing old air scour piping.



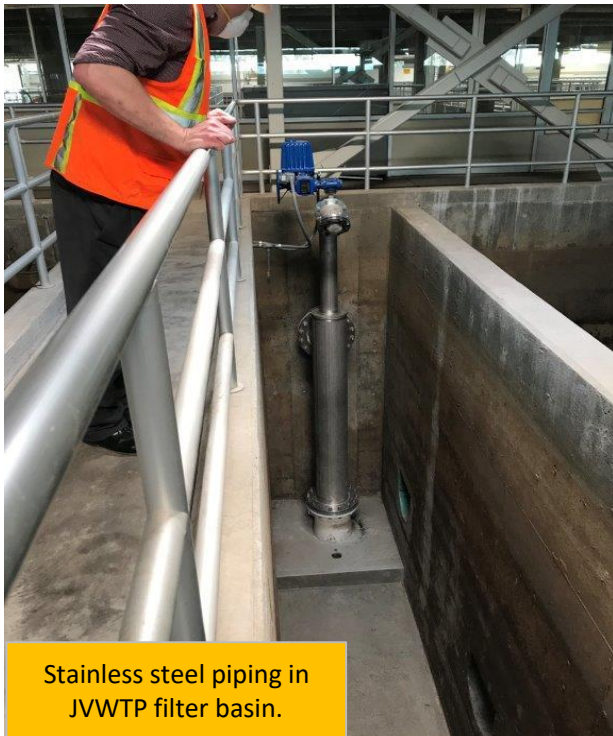
Corrosion by-product from unlined steel piping.



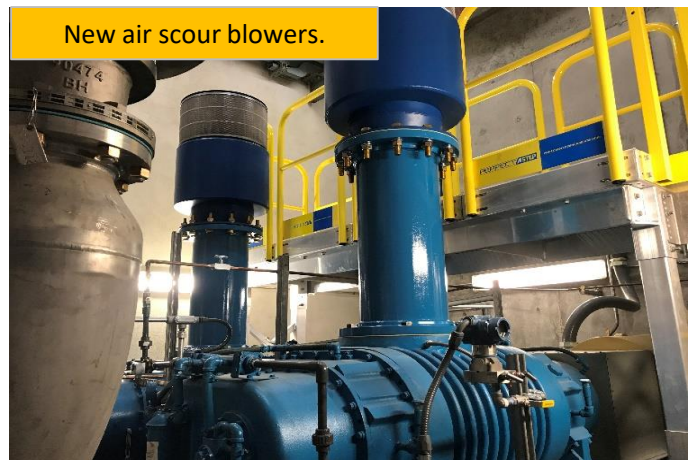
Installation of new stainless steel piping.



Stainless steel blowoff vent and blower piping.



Stainless steel piping in JVVTP filter basin.



New air scour blowers.