

Update for
Hercules City Council
January 8, 2019

Pinole-Hercules Water Pollution Control Plant Upgrade Project

WATER
OUR FOCUS
OUR BUSINESS
OUR PASSION

 **carollo**
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Electrical Work in Progress

- The electrical work this quarter is focused on the north end of the plant.



The second aeration basin is nearing completion

- The equipment has been installed and testing will begin this month.



All Effluent Pump Station improvements were completed last quarter



Blower building modifications are now underway



Work on Primary Clarifier 3 continues

- The center mechanism has been installed and the electrical connections are being constructed.



The treatment plant site prior to start of construction



The treatment plant site in November 2018



New Plant Facilities now in operation



New secondary clarifier, primary clarifier, and chemical basin in August 2018



New secondary clarifier, primary clarifier, chemical basin in November 2018



Plant north end in August 2018



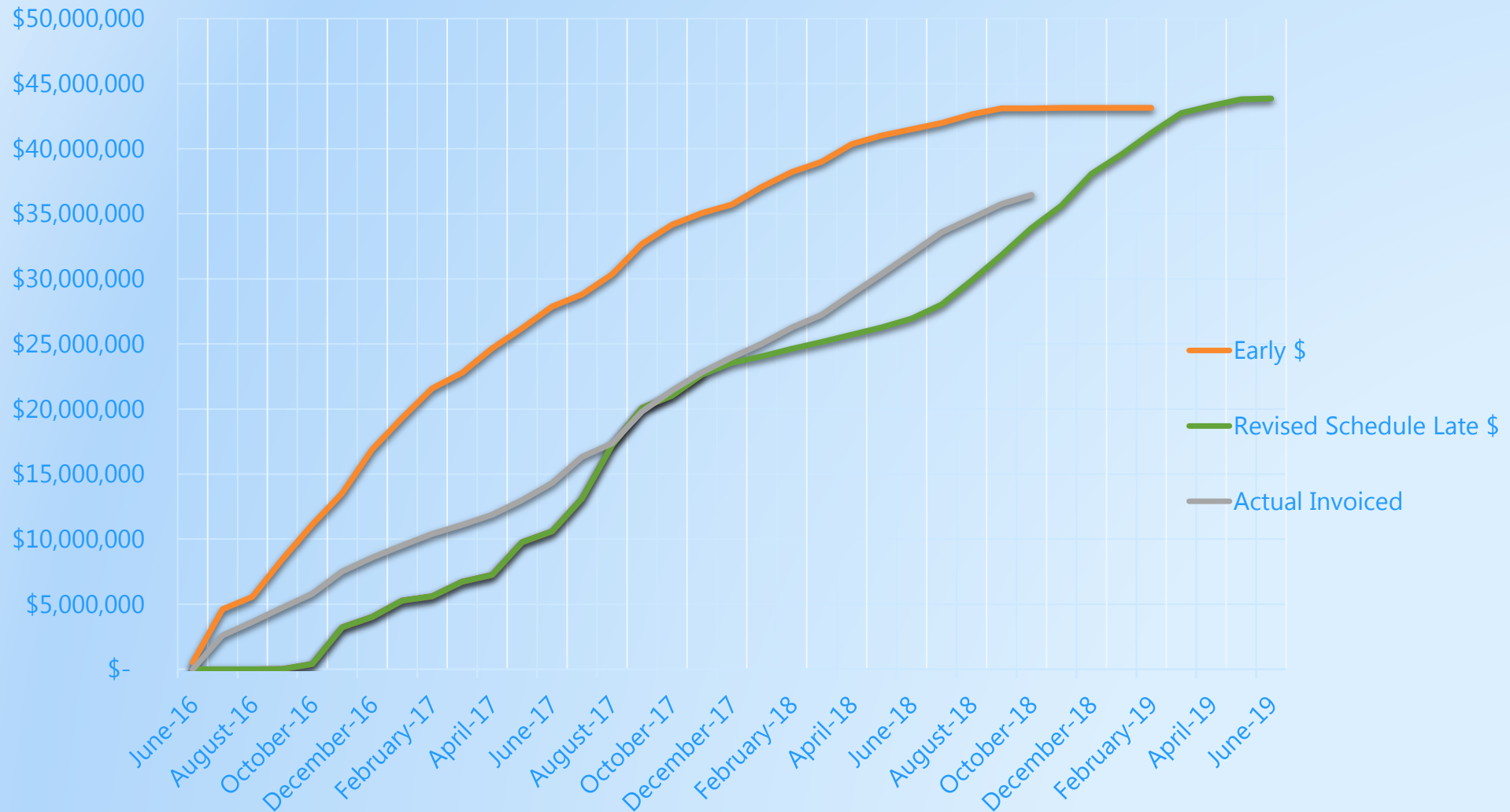
Plant north end focus in December 2018



Planned startup activities for this quarter

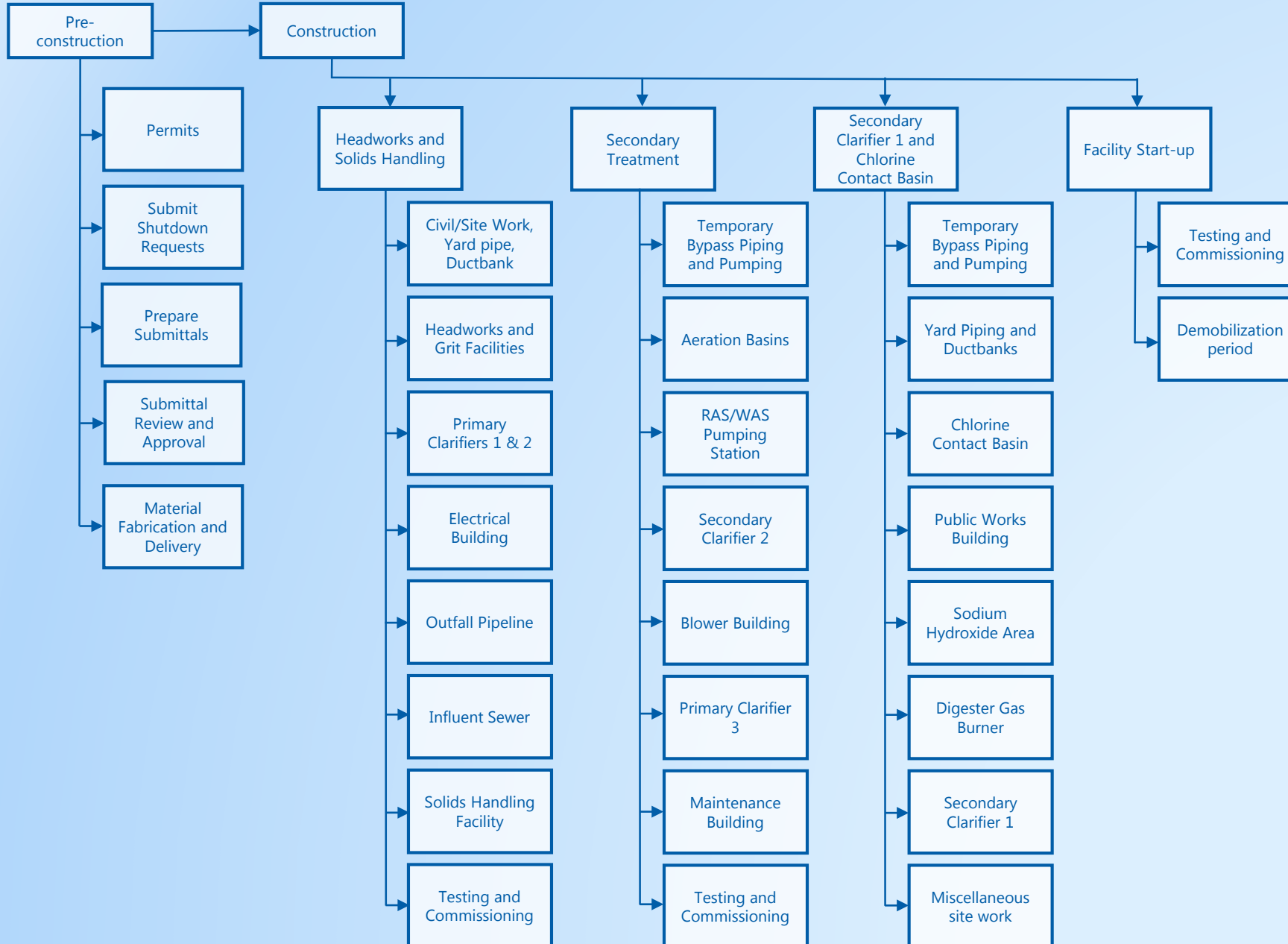


Progress/payments on work to date

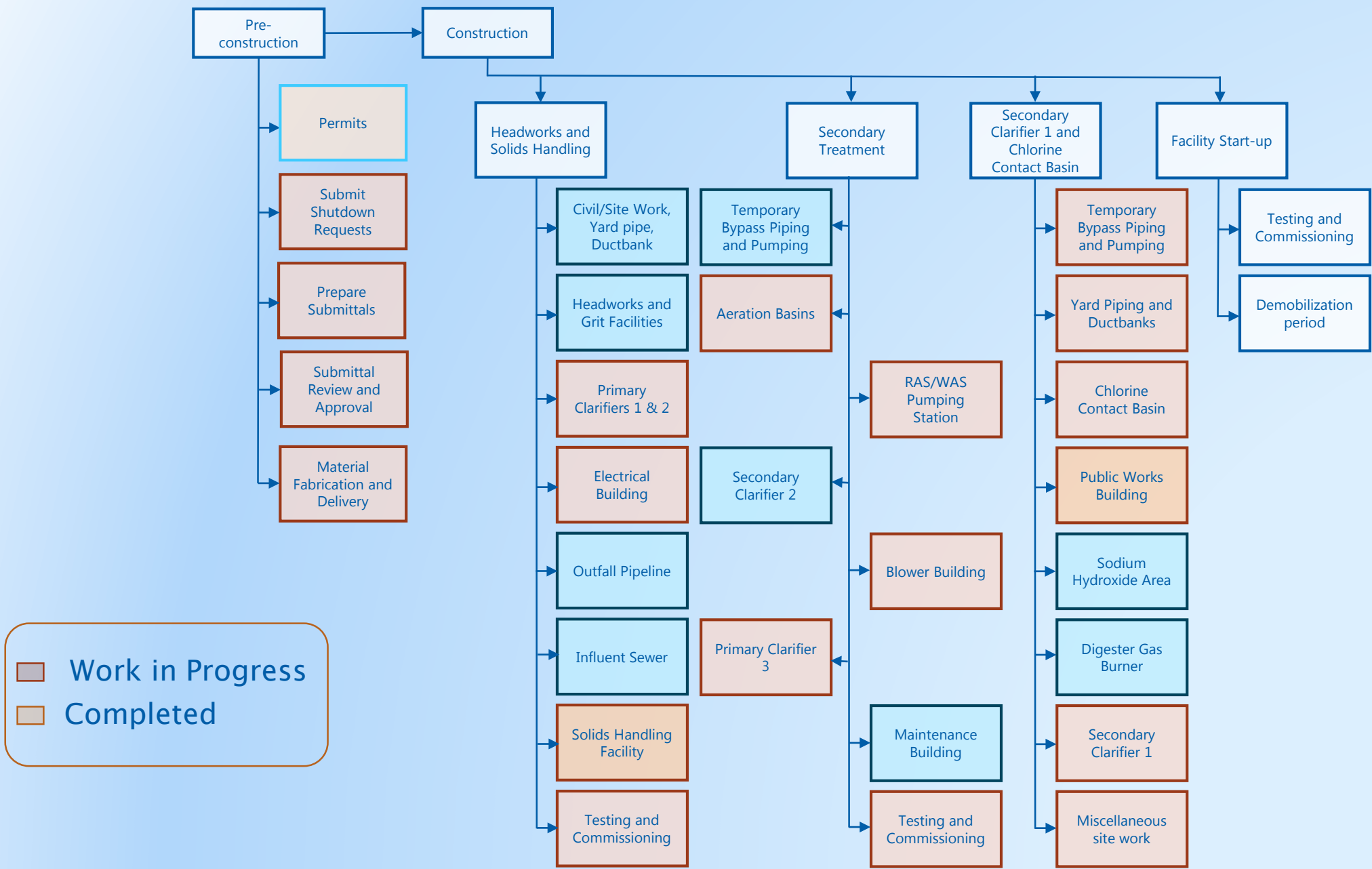


Billings for Work through October 2018 total \$35,604,933

Baseline Overview of Schedule Work Activities



Activities underway to date



Issues to be resolved

- There are two formal claims submitted in process of being adjudicated.
 - Electrical conduits and wire to flow meters
 - Electrical conduits and wire to Electrical Building
- There are two potential claims that the contractor has notified the project team it intends to submit.
 - Change order 52- RAS/WAS Pump Station electrical changes
 - Change Order 54- PG&E Delay overhead

Executed Change Orders

Number	Subject	Cost
1 – 52	TOTAL Prior Change Orders 1 through 52	\$ 1,027,700
52.1	Markup adjustment on contract change order	\$ 20,444.00
53	Switchboard feeder modifications	\$ 83,745.00
54	PG&E time delay extended overhead	\$311,200.00
55	Brick veneer ledger support at solids building	\$ 6,818.00
56	Low Pressure air piping conflicts	\$ 65,030.00
57	Mixed Liquor diffuser changes	\$ 20,218.00
58	Gravity sludge thickener handrail removal	\$ 1,686.00
59	Assist plant staff with tideflex check valve installation	\$ 8,947.00
60	Effluent pump station wet well modifications	\$ 8,195.00
61	Remove coating in the effluent pump station wet well	\$ 7,873.00
62	Remove existing thrust block and existing AC pipe	\$ 3,792.00
63	Install additional thrust block at 24-inch primary effluent elbow	\$ 4,364.00
64	Wet well level probe installation	\$ 6,231.00
65	Additional bypass pumping and concrete repair collar at 42-inch secondary effluent line	\$ 40,837.00
Total This Period		\$ 589,380.00
TOTAL Change Orders to Date		\$ 1,617,080

Executed change orders total 4.5 percent of work completed to date

Potential Change Order Requests Currently In Review

Number	Subject
1	Demolition and patching of additional lines at Mixed Liquor
2	Demo aggregate storage bins
3	Credit for reduced strength concrete for fill walls at headworks
4	Floc tank platform modifications
5	Aeration basin modifications for contact stabilization
6	Paving and grading modifications at Solids building
7	Additional utility demolition at aeration basin excavation
8	Modifications to primary flow distribution box
9	Utilities in conflict new piping at RAS/WAS Area
10	Terminations for electrical roll-up doors
11	Extra concrete removal at existing Gravity sludge thickener
12	Surge tank controls modifications
13	Stormwater downspouts at Solids Handling Building
14	Generator sub panel block heater and wiring
15	Credit for aeration basin conduit changes
16	Effluent pump station electrical modifications
17	Temporary generator rental for PG&E service
18	Credit for unused crack injection
19	Delete chemical piping chase
20	Credit for combined concrete pours at clarifier and aeration basin

Schedule

- Actual Notice to Proceed
 - May 11, 2016
- Original Substantial Completion Date
 - October 28, 2018
- Current estimated Substantial Completion Date
 - April 5, 2019
- Original Final Completion Date
 - December 26, 2018
- Current estimated Final Completion Date
 - June 4, 2019

QUESTIONS?