

Regional Wastewater Control Facility Modifications Project

Council Water Committee

January 13, 2022

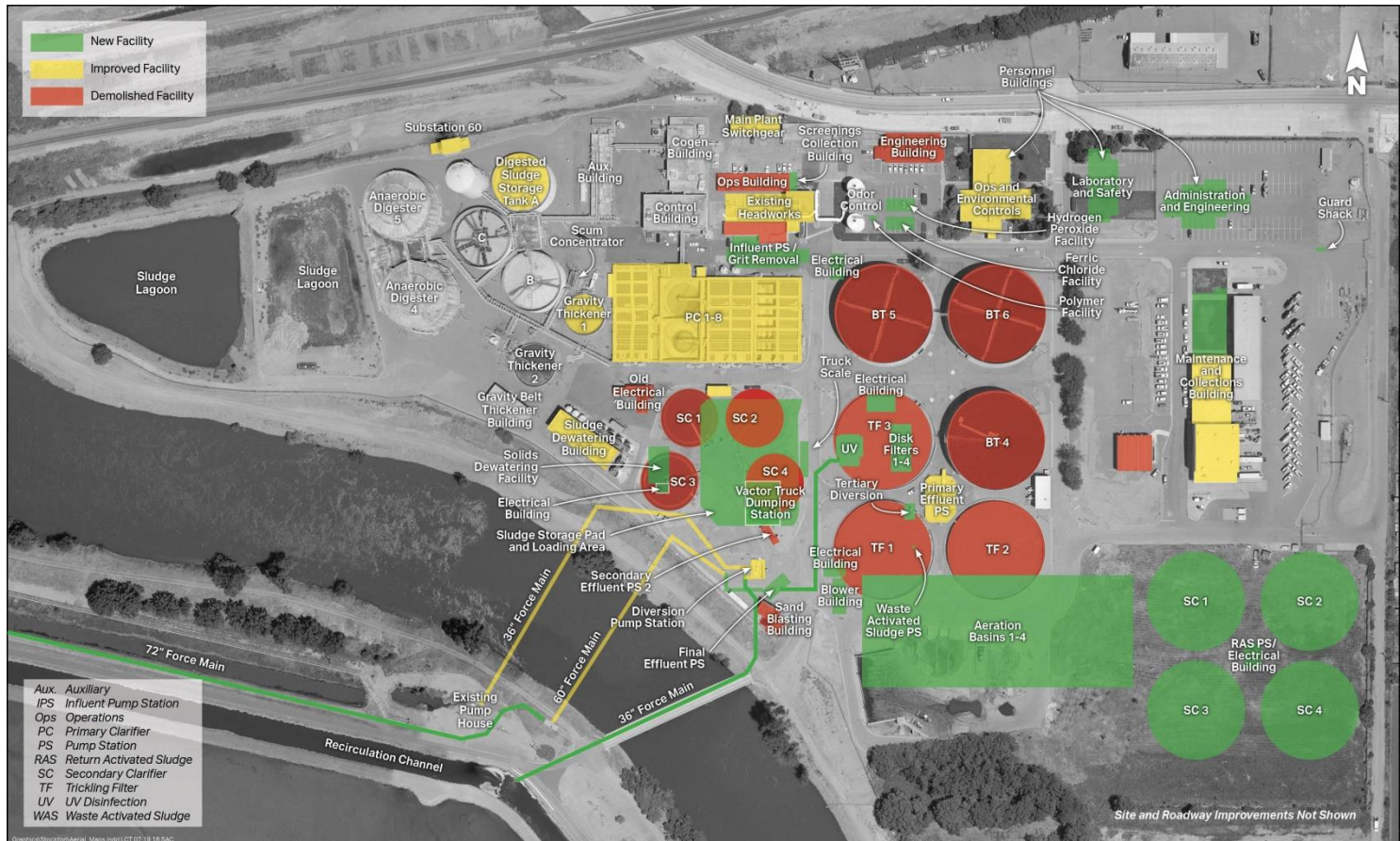
Agenda Item No. 3.3

Project Development

Key Milestones

- Phase 1 Complete 1-2019
- Phase 2A (Design) approved at 3-26-2019 Council Meeting
- Phase 2A Notice to Proceed (NTP) 4-17-2019
- Phase 2B approved at 7-30-2019 Council meeting
- Phase 2B NTP 9-3-2019
- Construction started 9-19-2019
 - Approx. 50% complete

Overall Site Plan



Contract Approach

Phase 1: Lump Sum

- \$5,508,113 (includes change orders)

Phase 2 (2A and 2B): Guaranteed Maximum Price (GMP)

- | | |
|---------------------------------|----------------------|
| • 2A (90% Design): | \$6,026,561 |
| • 2B (Final Design and Const.): | <u>\$186,596,624</u> |
| • Total: | \$192,623,185 |

GMP: Time and Materials not to exceed GMP

Shared savings with 50%/50% split of unspent amount up to GMP; City retains first \$1M

Contract Change Orders-Phase 2B

Basis

- Scope Changes - items City added to project after GMP
- Unforeseen Conditions

CCO-001: \$945k

- Admin/Ops building roof
- Transite Pipe

CCO-002: \$3,100k

- LEED
- COVID Impacts

CCO-003: \$1,792k

- Vactor Pad Relocation
- Gravity Thickener repair, PC 5&6 floor repairs

CCO-004: \$2,344k

- Headworks, Headgates
- Ductbank interference, buried trash, failed conductor

CCO-005: \$1,071k

- Final Effluent Conveyance Redesign
- Ductbank interference remediation

Total Project Budget

Joint Venture Contract-all phases

- \$198.1M+\$9.2M=\$207.3M

City Project Administration

- Includes Project Management and Construction Representative
- \$8.9M

City Other (Legal, Permits and Mitigation Fees)

- \$3.0M

City Contingency

- \$15.4M-\$9.2M=\$6.2M

Total Project Budget

- \$225.4M [Includes years prior to 2019; SRF Budget is \$222.7M]

Funding Approach

Water Infrastructure and Innovation Financing Act (WIFIA) Low Interest Loan-Federal

- \$108M
- Approved
- 100% Draw Complete

Clean Water State Revolving Fund (CWSRF, SRF) Low Interest Loan-State with Federal \$\$

- \$46.8M
- Approved

City Wastewater Fund

- Pay-go, or Municipal Bonds

Interim Funding

- Bond Anticipation Notes (BANs)
- \$118M; 3-year term
- BANs paid off with WIFIA and Pay-Go

Construction Progress

Secondary Clarifiers

- Concrete Complete
- Mechanical Equipment Complete

Aeration Basins

- Concrete Complete
- Mechanical Equipment Install: In progress

Primary Clarifiers 5&6 (Squircular)

- Complete and operational

Chemical Feed Area

- Complete and Operational

Headworks

- Screens 3&4 demolition
- Screen 4 install in progress

Construction Progress-cont.

Utility Relocation and Electrical Duct Banks

Personnel Buildings

Ultraviolet (UV)

- Concrete 100% complete

Disk Filters

- Concrete 100% complete
- Equipment install 50% complete

Tertiary Diversion

- Concrete 100% complete
- Solids Handling
 - Concrete 90% complete

Process Buildings

- 75% complete

Progress July 2021 (Looking Southwest)



Chemical Feed Area



November 2019



August 2020



August 2021

Filters and UV (Looking North)



August 2020



August 2021

Secondary Clarifiers (Looking North)



November 2019



August 2020



August 2021

Aeration Basin (Looking South)



November 2019

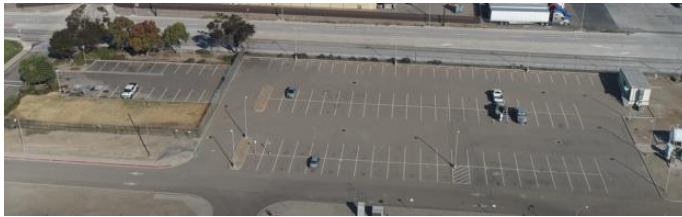


August 2020



August 2021

Personnel Buildings (Looking North)



November 2019



August 2020



August 2021