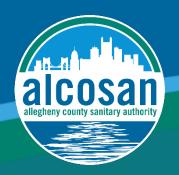


RFQ INFORMATIONAL SESSION

REGIONAL CONVEYANCE VALVE REPLACEMENT CONTRACTS DESIGN/CM Services

09/28/2022 10:00AM



Overall Program Coordination

- ALCOSAN Staff
- Municipal partners



Allegheny County Sanitary Authority

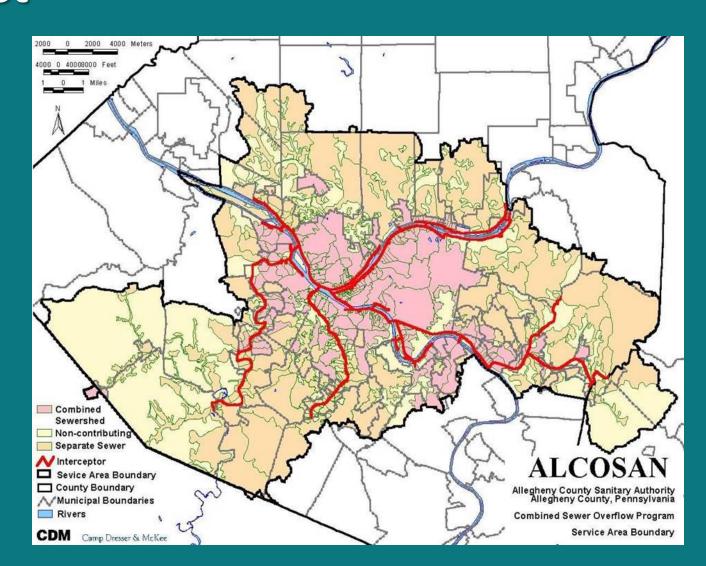


- One 250-MGD WWTP
- 83 Municipalities including the City of Pittsburgh
- Regional collection system
- Modified Consent Decree approved May 15, 2020



Valves of interest

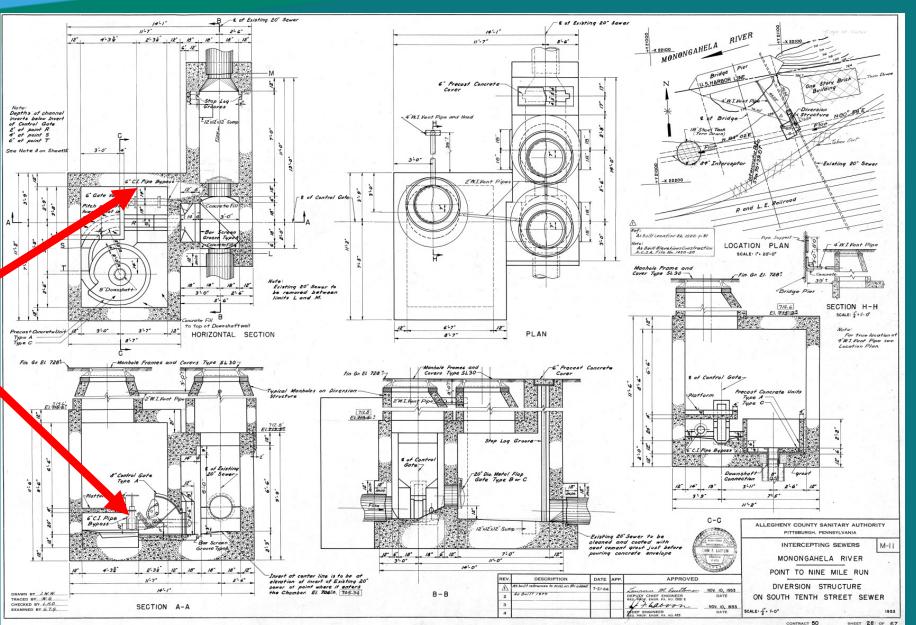
- Approximately 90 miles of interceptors (shown in red)
- Valves under investigation are all throughout the system and include:
 - 20 regulator mechanical valves
 - 8 flap gates
 - 5 stop logs
 - 30 sluice gates





Mechanical Valve (typical)

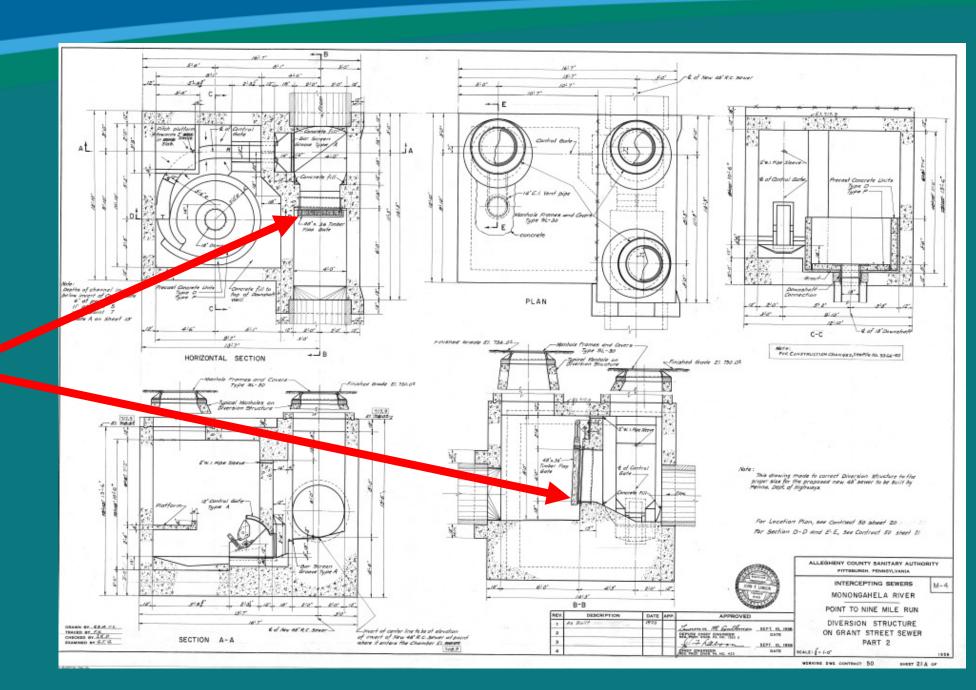
6" C.I. Pipe Bypass





Flap Gate (typical)

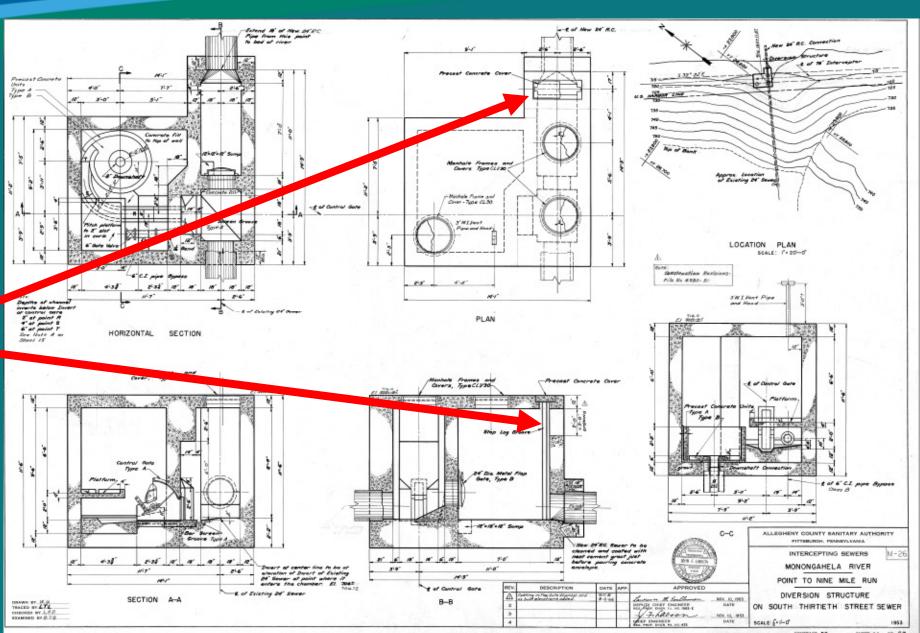
Timber Flap Gate





Stop log (typical)

Stop Log





Sluice Gate (typical)

see details above E1.735.0rSee Roof Plan for reinforcement Approx. sur-face of fill--Provide pipe sleeve through roof slob for gate stem Approx exist. E-126 ALI BURGETA THIBIT To poll each YE \$09 each wall - Valve sten guide Gate 10'C.L stub. Grown el. 725.0 catting, drilled and tapped to suit sluice gate -24 flot frome sluice gate, flush bottom closure See Detail X all around

Drick masonry invert

hooked on bot.

TION B-P INV. El. 7/973 784 dowels .each wall DRAWN BY A.C.SA. OW.N. TRACED BY F.S.G. D.W.N. CHECKED BY F.T.A.

Gate stand

Corer not shown

Sluice Gate



Contract Packaging

Two contracts to address the repair/replacement needs

- Contract 1: sluice gates, mechanical valve repair/replacement
- Contract 2 flap gates/stop log contract



Key Schedule Considerations

- Project requiring careful development of an integrated design, procurement and construction schedule for multiple contracts
- There is a long lead time on flap gates, sluice gates and mechanical valves, the schedule will need to account for the ability to have materials shipped.
- The project includes design, procurement assistance, construction inspection and management, developing the maintenance and operation of the equipment
- ALCOSAN is operator of any and all valves, stems, actuators and gates.
 Consultant will coordinate with ALCOSAN to have personnel available operate equipment.



Construction Management Services

- Provide bidding assistance
- Provide CM services during the construction, including resident inspection
- Coordinate and document start-up
- Generate equipment maintenance schedule



Procurement Schedule (tentative)

November 1 2022 2PM

RFP release

RFQ submittal

Q4 2022

Consultant Selection

Q1 2023

Notice to Proceed

February 2023

Final Design

Q1 2024

Construction Advertisement

Q2 2024

Construction Notice to Proceed

Q3 2024



Questions/Comments