

San Juan Bautista

Regional Wastewater Project

October 7, 2021

Presentation Outline

- 1 Introductions and Background
- 2 Regulatory Framework
- 3 Compliance with Regulations
- 4 Compliance Projects Approved
- 5 Next Steps
- 6 Questions?

City's Water Team

The City put a water team together to manage this complex project consisting of:

- City Council Water Sub-Committee
Mayor Leslie Jordan
Councilmember John Freeman
- City Manager, City Engineer, Project Manager
- Adam Howell, EPA Compliance Officer
- Technical team of Tony Akel Engineering and Steven Beck from Stantec

Background

- San Juan Bautista's system has 4 Parts:
 - 1.A Water source
 - 1.B Water distribution
 - 2.A Wastewater Collection
 - 2.B Wastewater Treatment
- Paid by residents through monthly rates (Enterprise Funds)
- Rates were \$54/month in 2006, \$84 since 2019
- Increase were 7% per year, 1.5% over the past five-years
- Rates have not increased enough to pay for a new Plant-obsolete, run-down

Regulatory Framework

- Permits for Wastewater issued by the State Regional Water Quality Control Board (Clean Water Act)
- *Federal EPA works with the State when discharge water is sent to a public waterway (Creek)*
- *City Executed an Administrative Order on Consent “AOC” with the EPA August, 2020*
- *A commitment to bring the operations into compliance by December 21, 2023*

Community Engagement

- 39 Special meetings in 2020
- Status provided at Every City Council meeting
- 4 Town Hall Meetings focused Water/Wastewater (beginning in April , 2020)
- City Council's Strategic Plan 2020 and 2021

EPA AOC (Adam Howell, EPA)

- Compelled to meet the milestones and dates established in the AOC
 - ✓ Transmittal Letter from the EPA August 26, 2020:
 - ✓ Key compliance deadlines associated with the AOC include:
 - ✓ August 24, 2020 – AOC signed by EPA; Done
 - ✓ September 1, 2020 – Certify baffles in Pond 2 have been repaired; Done
 - ✓ September 1, 2020 – Certify that UV disinfection system is functioning at full capacity; Done
 - ✓ September 15, 2020 – Submittal of Master Plan; Done
 - ✓ October 15, 2020 – Submittal of a proposed Compliance Project; Done
- The City has completed its Water and Wastewater Master Plans (Tony Akel)

EPA Compliance Project(s) (Steven Beck, Stantec)

- Compliance requires 2 of the City's 4 Part System be fixed:
 - ✓ Water Source
 - ✓ Wastewater Treatment
- The Preliminary Engineering Report (PER) defines these issues and evaluates compliance strategies for the City

Wastewater Improvement Alternatives

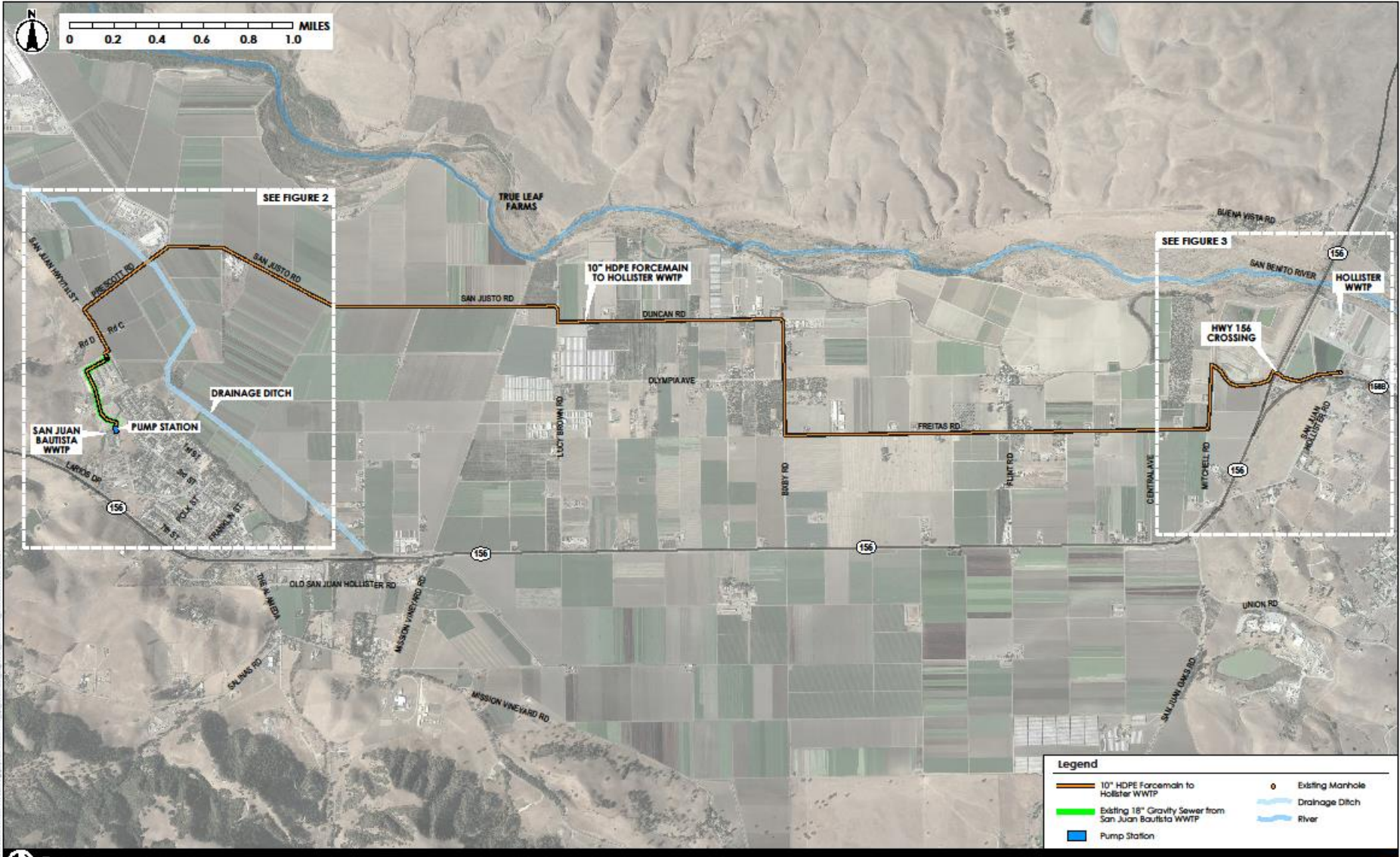
- **Alternative 1:** On-Site WWTP Upgrades (MBR plant) & Off-Site Salinity Control
- **Alternative 2:** On-Site WWTP Upgrades (MBR plant) & On-Site Salinity Control (Reverse Osmosis)
- **Alternative 3:** Send Wastewater to Hollister WWTP & Off-site Salinity Control
- **All 3 Alternatives will cost between \$15-20 million**
- **Doing nothing, is not the least expensive!**

Wastewater Improvement Alternatives

Criteria	Relative Weight	Comparative Score (Score Total Must Equal 10)			Criterion Score (Relative Weight Times Comparative Score)		
		MBR & West Hills WTP	MBR/RO	Hollister WWTP & West Hills WTP	MBR & West Hills WTP	MBR/RO	Hollister WWTP & West Hills WTP
Life Cycle Costs (Capital and O&M)	12	3.6	3.3	3.1	43	40	37
Footprint	5	4.0	2.0	4.0	20	10	20
Operational Simplicity	14	3.0	2.0	5.0	42	28	70
Reliability	13	3.0	3.0	4.0	39	39	52
Future Regulations Compliance	16	3.0	3.0	4.0	48	48	64
TOTAL SCORE					192	165	243

Improvement Project Recommendations

- Begin domestic water softener buy-back program
- Decommission the existing sequencing batch reactor (SBR) pond and convert to an equalization basin
- Install a new raw sewage pump station and an 10-inch pipeline to convey wastewater to the Hollister WWTP
- Estimated cost (February 2021) of \$15 million
- Memorandum of Understanding w/Hollister executed September 7, 2021



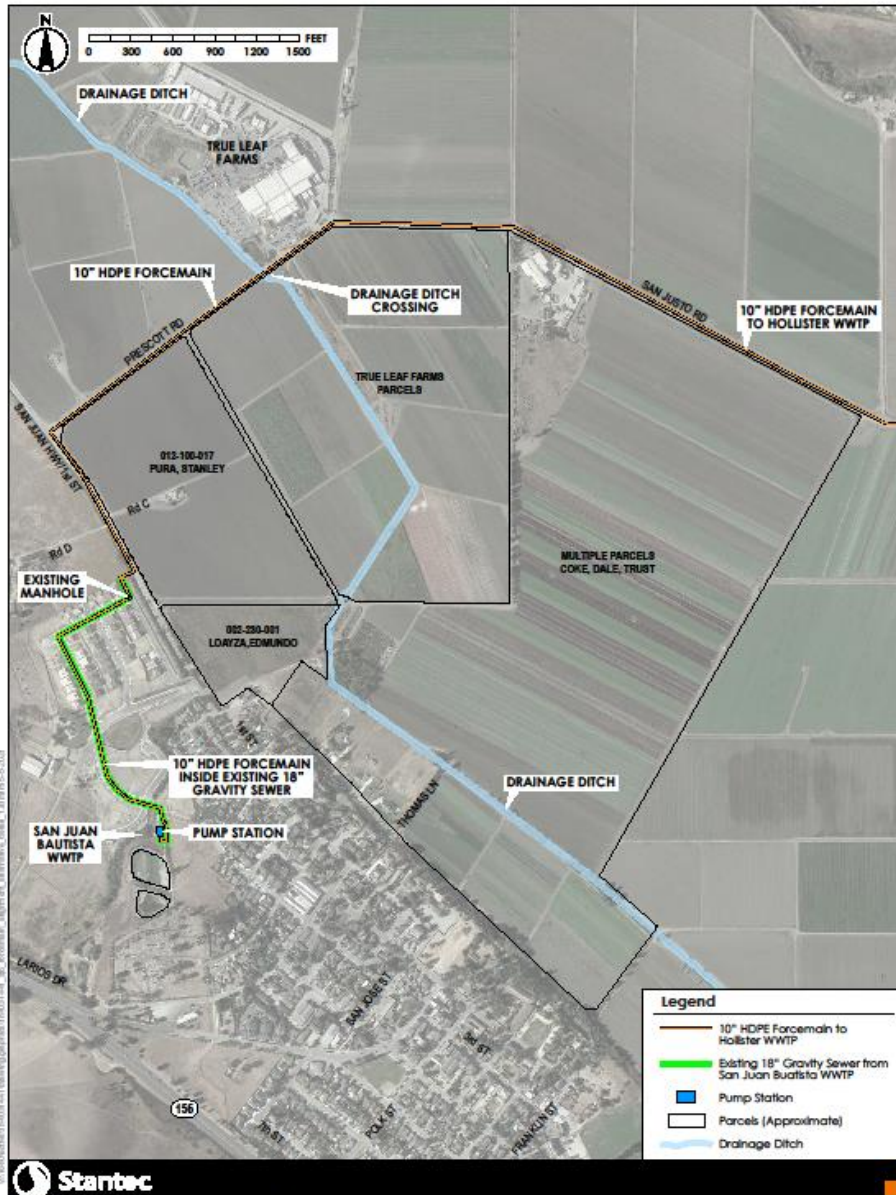


Figure 2
 Forcemain Pipeline Alignment - Detail 1

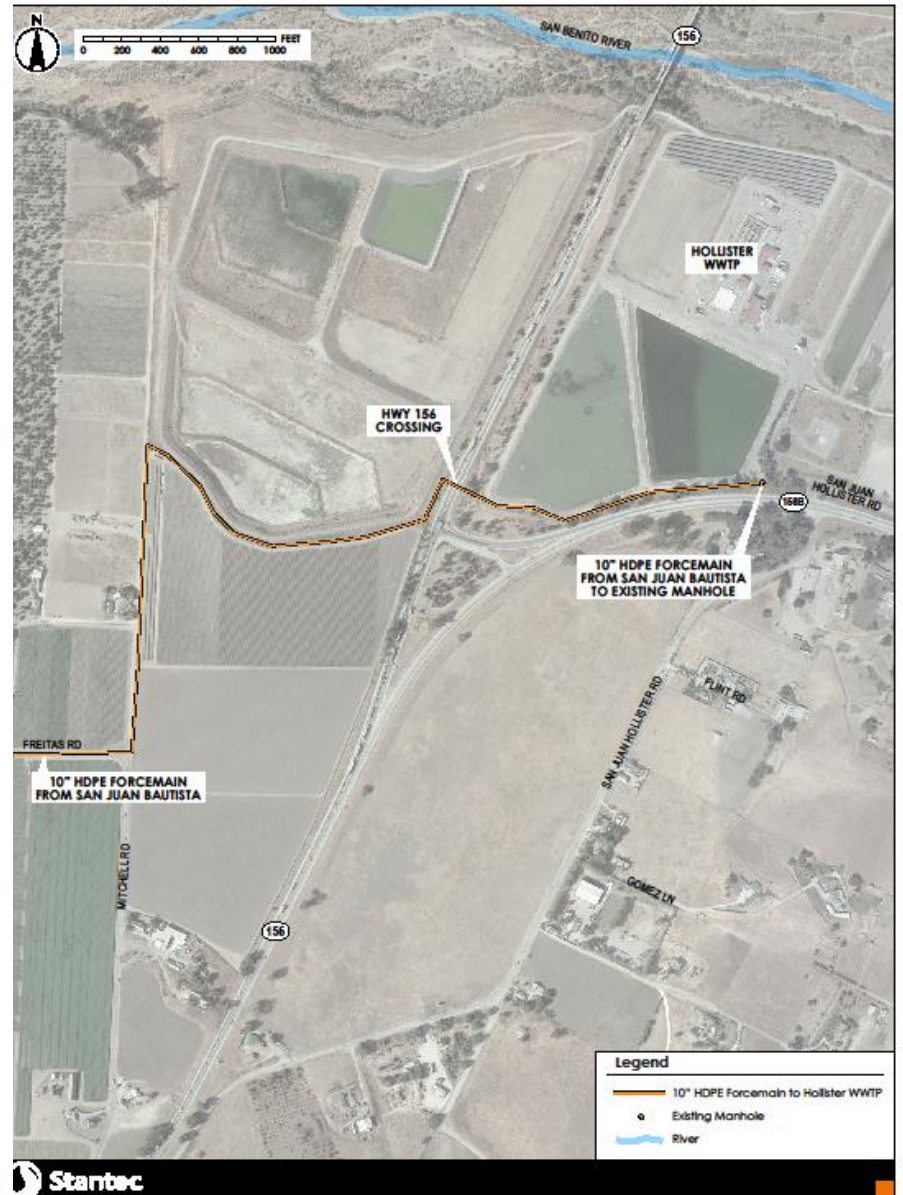


Figure 3
 Forcemain Pipeline Alignment - Detail 2

Next Steps

1. 30% Submittal and Cost Estimate
2. Approve New rates

These first two steps will determine the Project's Feasibility. If approved...

1. CEQA/NEPA (Mitigated Negative Declaration)
2. Complete Grant and Loan Applications
3. Formal Agreement with Hollister
4. Complete Design
5. Bid - Summer 2022
6. Construction

Draft Sewer Rate Study

- Competed Using the Hollister MOU
- Compliance Project Costs Estimates
- Wastewater Master Plan
- Worst Case- Avg. \$13/per month over 5-years
- Assumes some State & Federal aid
- Does not assume any new Federal aid
- Approval of New rates will assure Project Feasibility, and State and Fed Funding
- Rate Study To be Introduced 10.19.2021

Questions?

This is a Town Hall meeting,
Invitations were sent to every utility user

The City has made its team available to answer any and all questions.

Please raise your hand, or Select Control 9 to Raise your hand.
Type questions into the Chat. State to whom the question is being asked

Council will be asked to consider sewer rate changes at its October 19, 2021 Council meeting. More to follow...

THANK YOU! WE ARE ALL IN THIS TOGETHER