



Agenda

- **1. Housekeeping:** Summary Notes approved, Goal/Success Indicators, Q & A time (see documentation)
- 2. Fist to Five vote on sewer w/in city limits pulse check
- Understanding Full Scope of Waste Water Clarifier/Sewer Effort
 a. Scopes, timelines, budgets, etc.
- 4. Financing Options education, assessment, what's missing, what now?
- 5. Solution space generate solutions for various scenarios Stevenson is facing

"It's not about me, it's not about now."

Charter: Indicators of Success

- Fair Infrastructure Improvement and Expansion: Success ensures equitable sharing of financial impacts that do not burden residents with exorbitant costs for transitioning from septic to sewer and extending sewer lines while supporting small private development.
- Informed Decision-Making: Success means that the committee comprehensively understands the scope of the issue and various financing solutions, builds trust in the decision-making process, and recommends middle-ground positions that are determined legal.
- Inclusivity and Community Perspectives: Success entails considering all perspectives on the impacts of potential changes to the sewer ordinance and refraining from making decisions that benefit single perspectives or individuals. Success is improving trust by ensuring the committee understands the process, is supported to generate ideas to address sewer issues, and people feel heard and their time is valued.

Goals Staff for the Committee -

- 1. Create shared understandings of the sewer and septic trends in our community.
- Validate or identify the need to alter the 1972 Sewer Ordinance assumptions/decisions, 2013 Land Use/Development assumptions/decisions and 2019 Rate assumptions/decisions.
- Surface the potential impacts of proposed changes to the 1972 Sewer Ordinance.
- 4. Recommend a proposal with the least negative impacts



No way! I'll block this. I see MAJOR issues we need to resolve. I see MINOR issues we need to resolve now. l see minor issues we can resolve later.

I'm fine with this as it is.

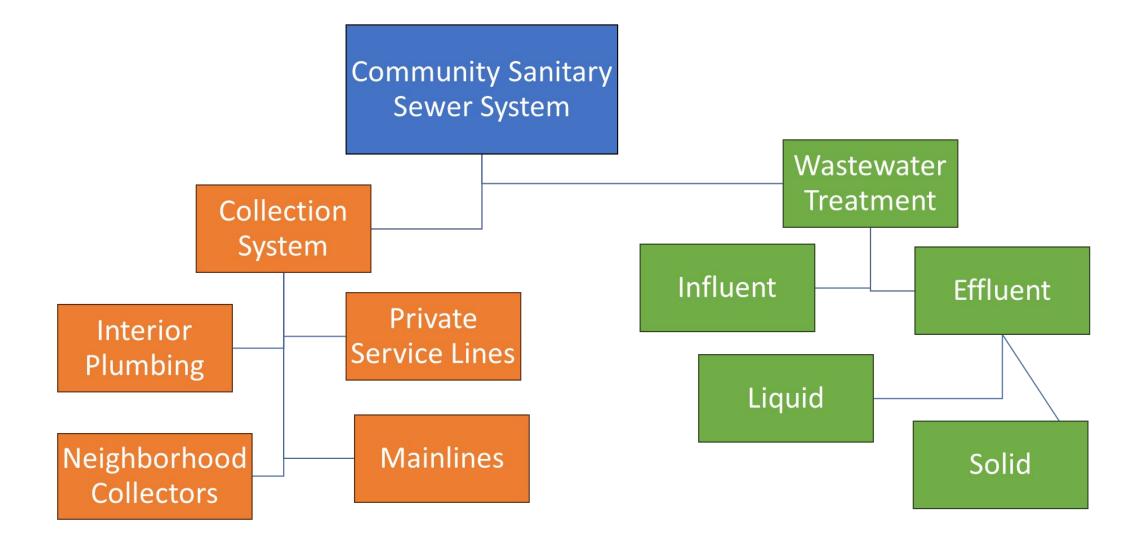
I love this! I will champion it. Assuming an equitable funding structure that does not burden residents with exorbitant costs or hinder small private development, I think <u>sewer</u> mainlines should be extended to City Limits by 2040, and a plan should be developed and implemented to <u>maximize the number of parcels connected</u> to the City Sewer System.

Let's EAT!

Courtesy of City of Stevenson Provided by Tacos Pepe



Sewer System Components – Deeper Dive





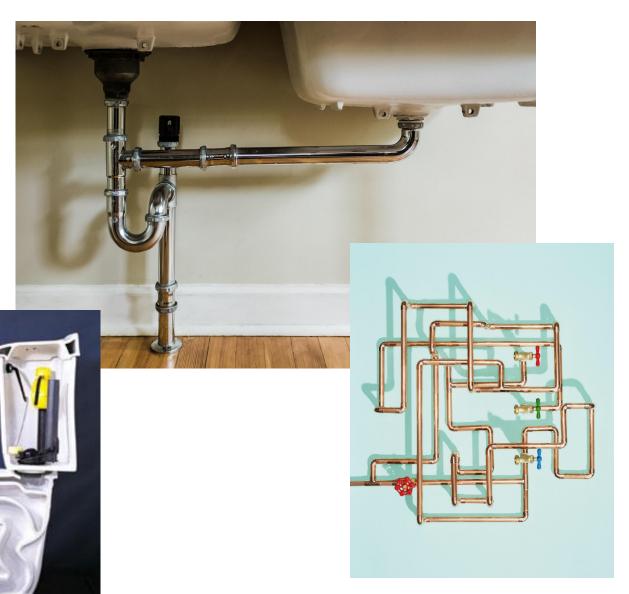
- Collection System
 - Interior Plumbing
 - Private Service Laterals
 - Neighborhood Collectors
 - Mainlines

Mainline – 12 miles Manholes – 315 manholes Pump Stations – 4

Interior Plumbing

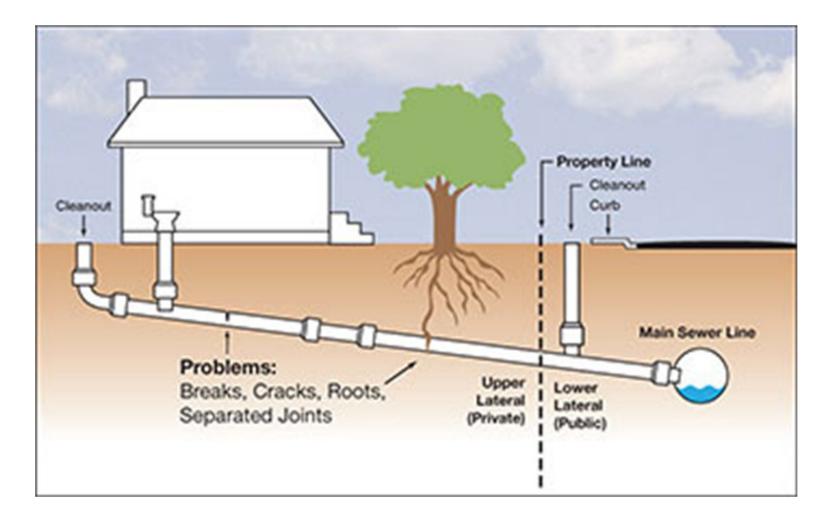


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Private Service Lateral



Neighborhood/ Community Collector



Neighborhood/ Community Collector



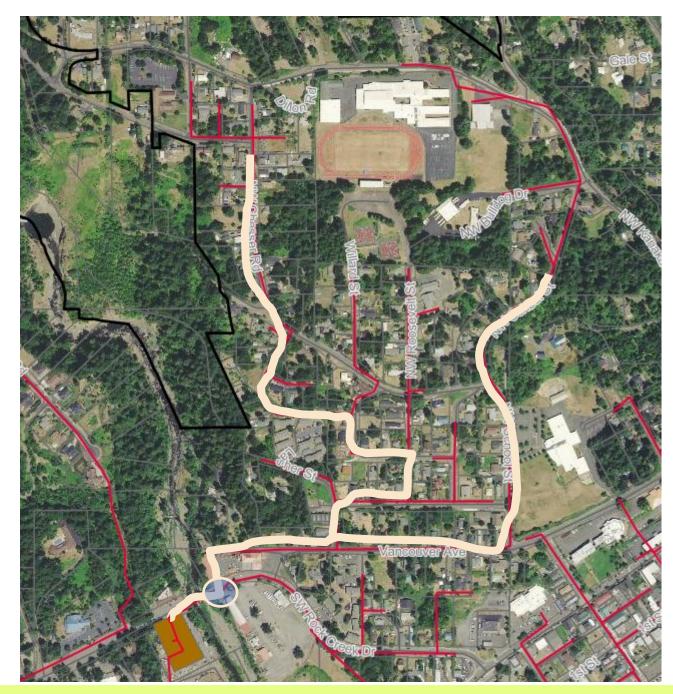
Neighborhood/ Community Collector



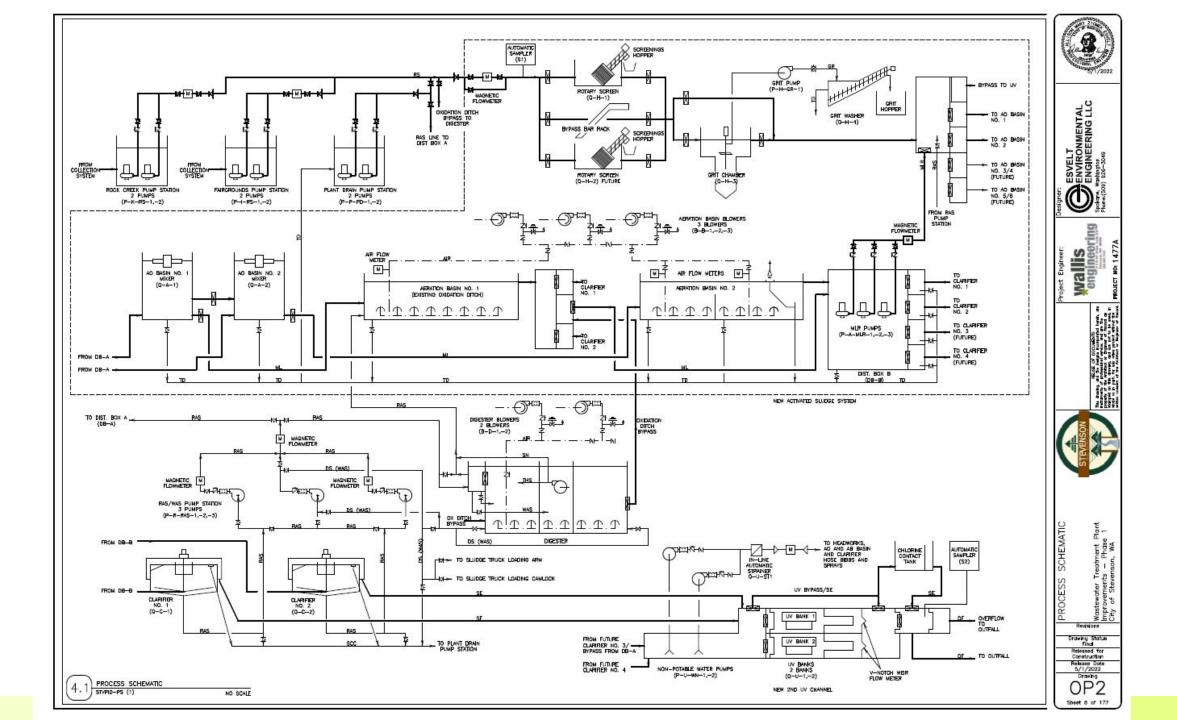
Sewer Mainline

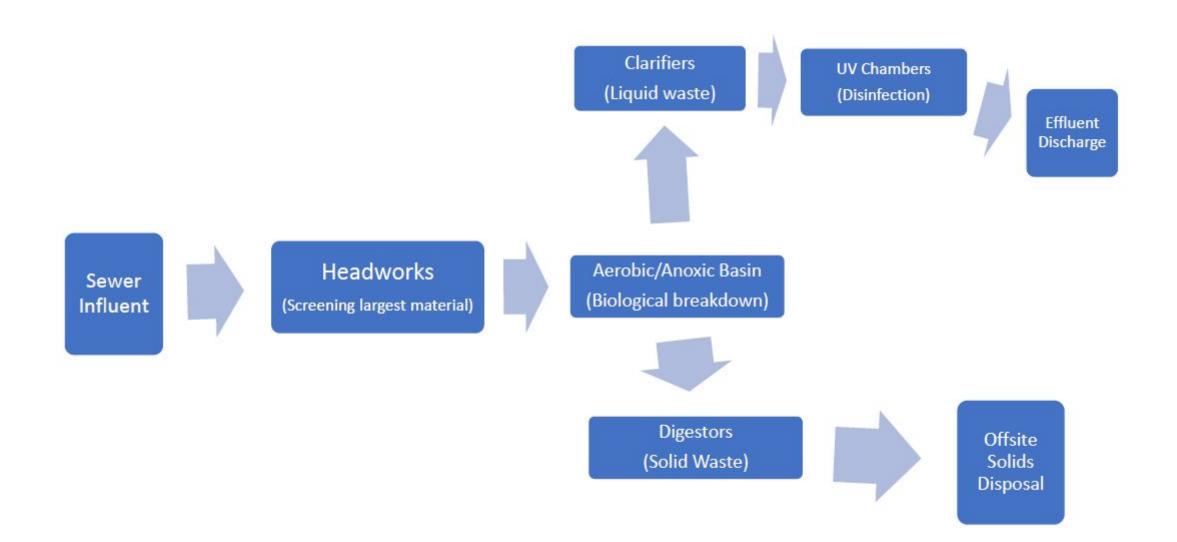


Sewer Mainline

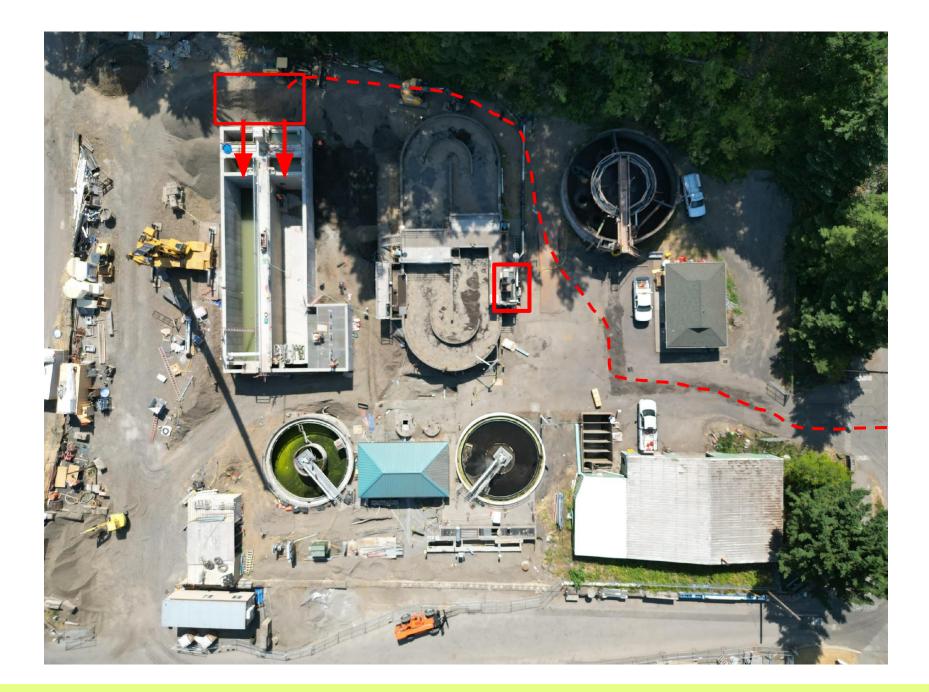


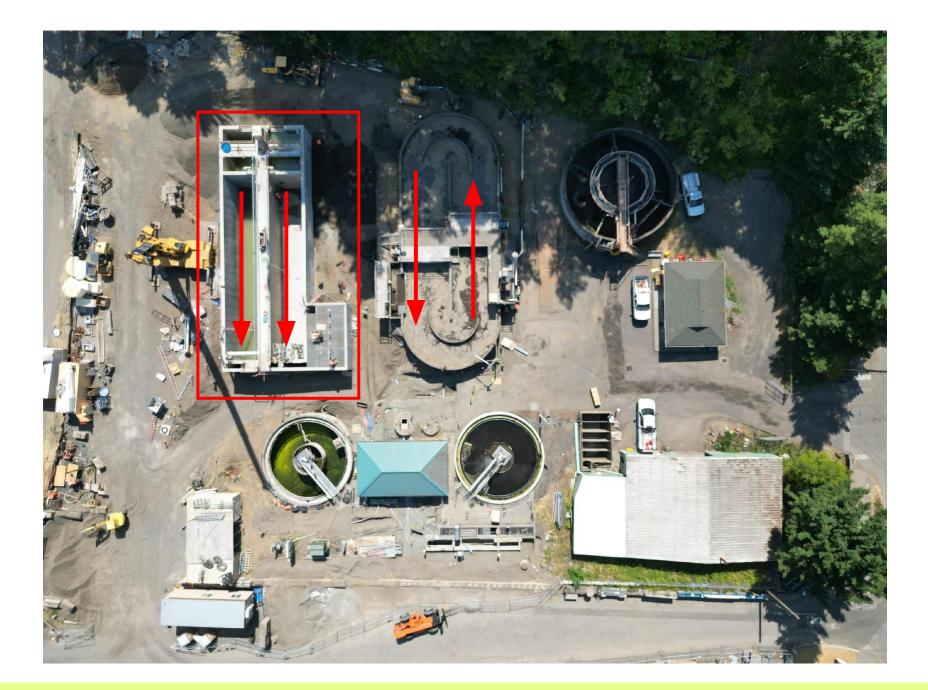


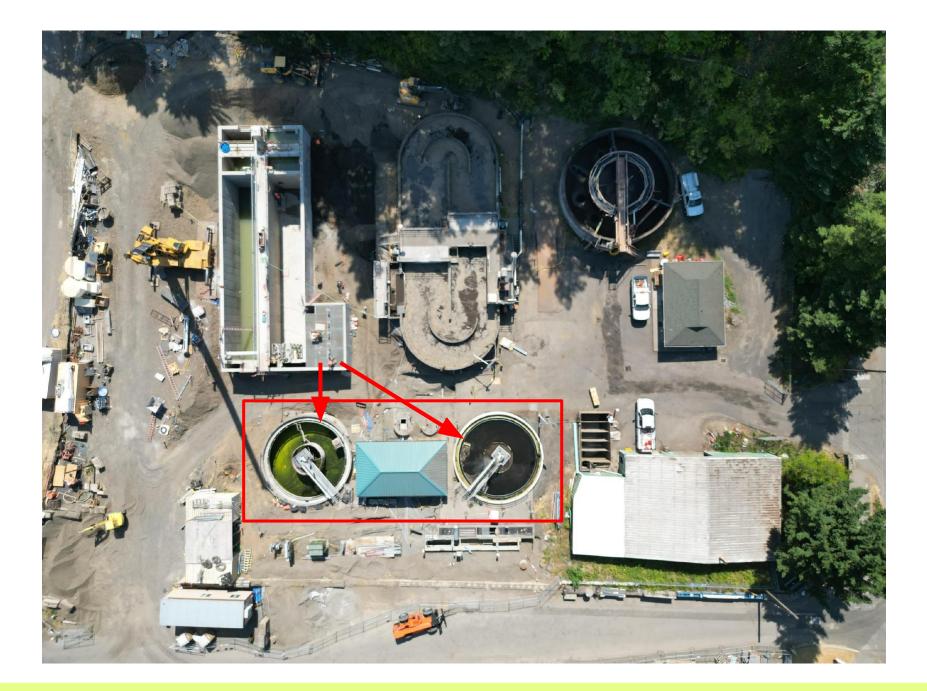


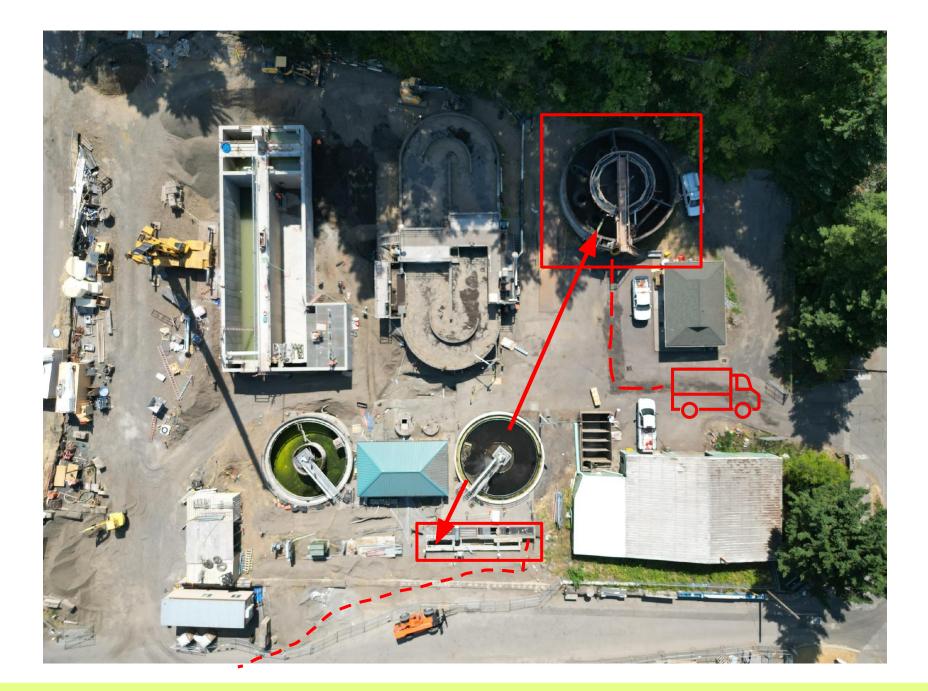












National Pollutant Discharge Elimination System (NPDES)

(aka Discharge Permit)

TESTS	SAMPLE POINT	SAMPLING FREQUENCY	SAMPLE TYPE	
Flow	w Influent or Final Effluent		On Line	
pH	Influent Final Effluent	Daily	Grab	
BOD ₅	Influent Final Effluent	2/Week	24-hour Composite Refrigerated	
TSS	Influent Final Effluent	2/Week	24-hour Composite Refrigerated	
Fecal Coliform Final Effluent		2/Week 5/Week during July – October for the Secondary Outfall	Grab	
Ammonia Final Effluent		2/week July – October only for Secondary Outfall	24-hour Composite	
Sludge Production	Digested Sludge (volume hauled)	Monthly	Measured	
Temperature	Final Effluent	Daily	Grab	

Discharge Permit Requirements

EFFLUENT LIMITATIONS				
Parameter	Monthly Average ^s	Weekly Average		
Biochemical Oxygen Demand* (5-Day)	30 mg/1, 92 lbs/day 85% Removal	45 mg/l, 138 lbs/day		
Total Suspended Solids ^b	30 mg/1, 92 lbs/day 85% Removal	45 mg/l, 138 lbs/day		
Fecal Coliform Bacteria	200/100 ml	400/100 ml		
pH	Shall not be outside the range 6.0 to 9.0			

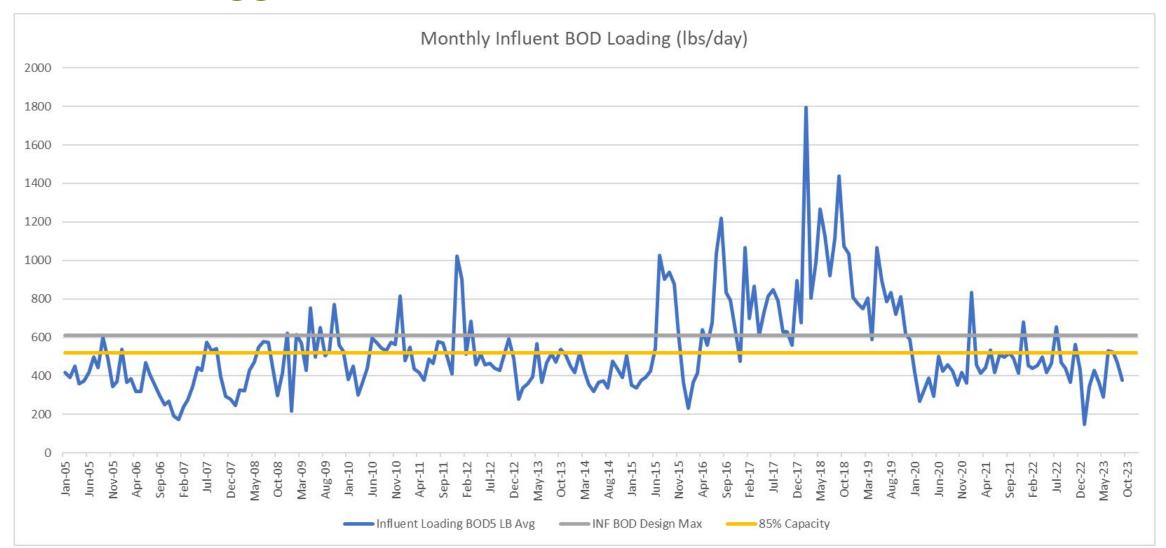
^a The monthly and weekly average for BOD₅ and Total Suspended Solids are based on the arithmetic mean of the samples taken. The averages for fecal coliform are based on the geometric mean of the samples taken.

^b The monthly average effluent concentration limitations for BOD₅ and Total Suspended Solids shall not exceed 30 mg/l or 15 percent of the respective influent concentrations, whichever is more stringent.

SUMMARY OF SUBMITTALS

Permit Section	Submittal	Frequency	First Submittal Date
S3.	Discharge Monitoring Report	Monthly	December 15, 2008
S4.B.	Plan for Maintaining Adequate Capacity	As Necessary	
S4.C.	Notification of New or Altered Sources	As Necessary	
S4.D.	Infiltration and Inflow Evaluation	Annual	February 15, 2009
S4.E.	Wasteload Assessment	Annual	February 15, 2009
S5.B.	Operation and Maintenance Manual Update	As Necessary	
\$5.G.	Contract Operators Hours	Monthly	With Discharge Monitoring Report
S8.	Pretreatment Industrial Waste Survey	As Necessary	
S9.	General Sewer Plan Update	As Necessary	
G1.	Signature Authorization	As Necessary	
G4.	Reporting a Cause for Permit Modification	As Necessary	
G7.	Application for Permit Renewal	1/Permit Cycle	May 1, 2013

Main trigger for Administrative Order



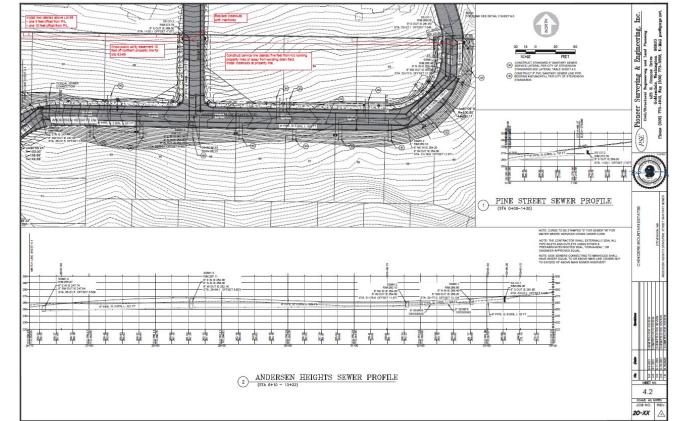
Completed Project 1 – Main D Extension (Collection)

- Main D Extension-Phase 1
- Status Completed
- Lessons learned
- Project has been closed for public engagement given status of implementation



Completed Project 2 – Chinidere (Collection)

- Chinidere Extension-Phase 2-3
- Status Completed
- Lessons learned
- Project has been closed for public engagement given status of implementation



Completed Project 3 – Iman Cemetery Extension (Collection)

- Iman Cemetery Extension
- Status Completed
- Lessons learned
- Project has been closed for public engagement given status of implementation



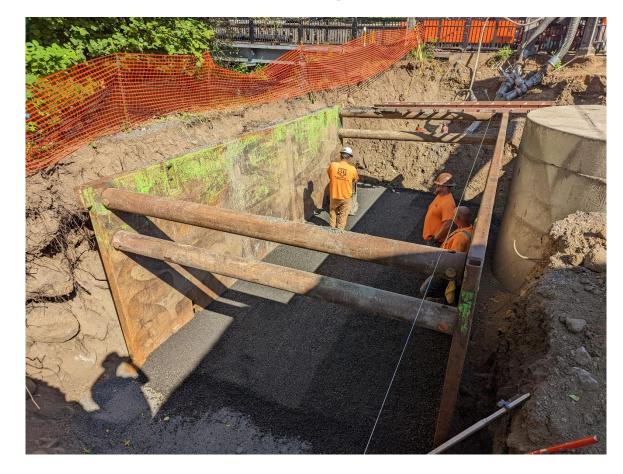
Current Project 1 – Administrative Order

- Wastewater Treatment Plant Upgrades-Phase 1
- Rate Study
- Moratorium
- Status Under Construction
- Lessons learned
- Project has been closed for public engagement given status of implementation



Current Project 2 – Collection System Upgrades

- Pump Stations and Cascade Interceptor Upsizing-all phases identified in Plan
- Status Under Construction
- Lessons learned
- Project has been closed for public engagement given status of implementation



Current Project 3 – Cascade Avenue (Collection)

- Upsizing of sewer main along Cascade Avenue to accommodate existing flows and future growth
- Status Pending Funding
- Lessons learned



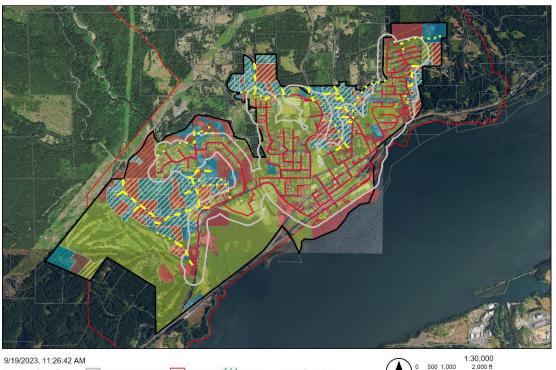
City of Stevenson Current Project Summary

Project & Scope	Rate-Payers	Property Owners	Grants
Main D Sewer line Extension	Low-interest loan \$400k	Main D Latecomers' Reimbursements:\$140k 50% of initial project cost	• Complete
Wastewater Treatment Plant	Low-interest Loans \$10M Cash (Reserves):\$1.28M		 DOE \$1.5M CERB \$50k EPA \$2.5M
Collection System Upgrades	Low-interest loan \$873k Cash (Reserves):\$830k		• EDA \$4M
Cascade Avenue	Low-interest loan \$882k		• None for WW

Future Project 1 – Sewerlines to City Limits

- Council Decision to Extend:
 - Council Plan to extend Goals, scope, and timeline clear + dependencies
 - Funding Sources
 - Vacant and Conversions Potential
- Public input on how:
 - Funding mix between
 - property owner
 - rate payer
 - community
 - Location/timing prioritization

Stevenson Sewer System - Future Planning 9.19.23



Sewer Main Future Extension _____ 300ft Sewer Line Offset _____ Urban Area /// UR-LIT

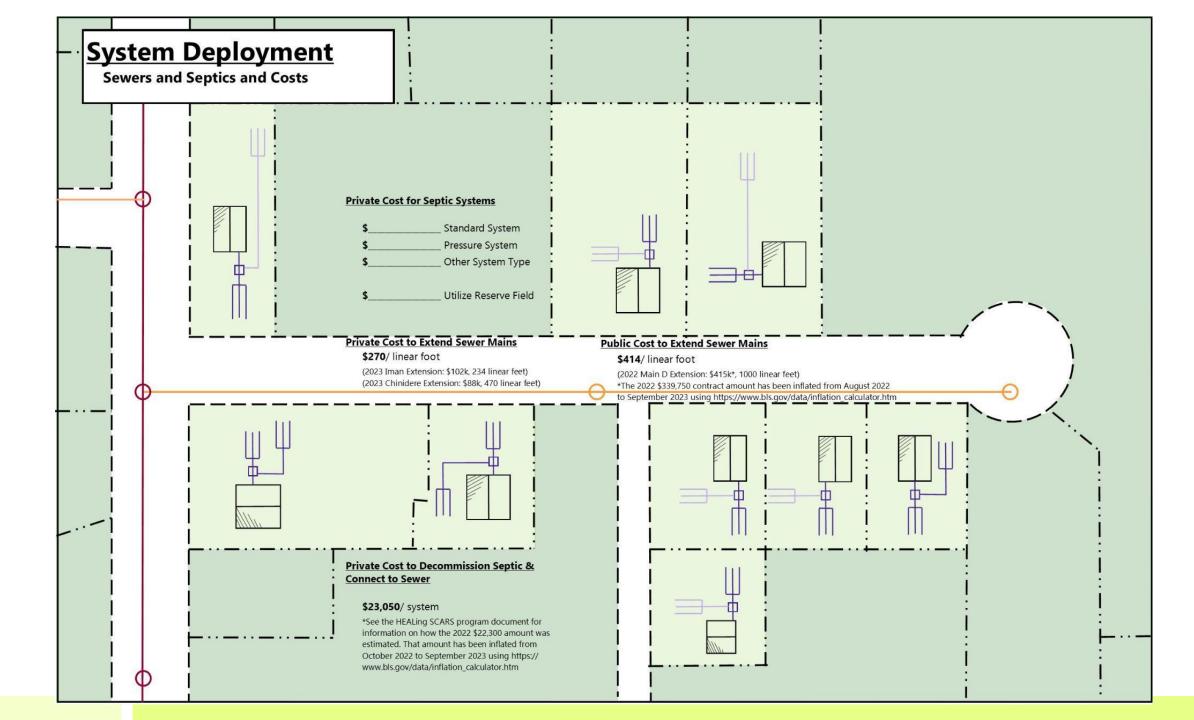
UR-HDR

Sewer Pines

General Sewer Plan City Boundary

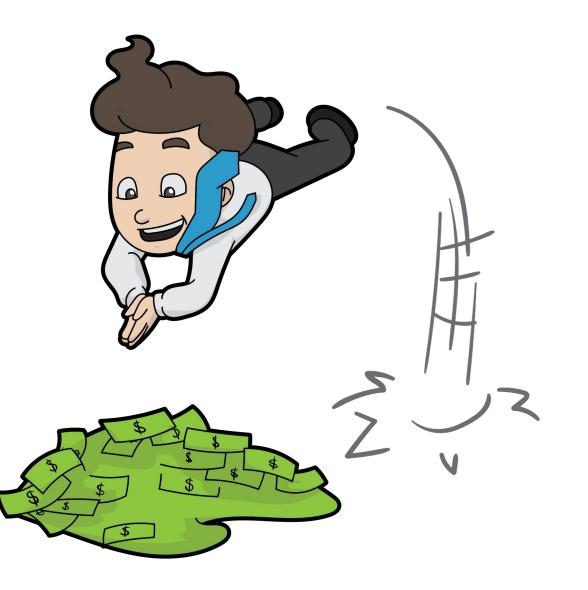


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Financing Deep Dive

- Review available funding resources
- Initial steps
- Possible Scenarios



Available Funding Resources

- Mid-Columbia Economic Development District
 - Project Listing
 - Funding Contacts (US EDA, Brownfields, etc.)
- Skamania County Economic Development Council
- Infrastructure Assistance Coordinating Council (<u>https://infrafunding.wa.gov/</u>)
 - Annual conference with funders (CDBG, DOE, USDA, Commerce, etc)
 - Tech Team meetings for project-specific funding assistance
- CFM Advocates (<u>https://cfmadvocates.com/</u>)
 - Funding Contacts (federal and state)
 - Grant-writing assistance
- City Staff
 - Combined non-sewer related grants received from 2018-present \$3.87M
 - Sewer-related grants and competitive low-interest loans (less than 2%) \$20M



Initial Steps

- Develop a Plan to address cost and implementation questions
 - Talk with resources about maximizing grant funding potential
 - Initial discussions with CFM will result in a \$500k State Capital Grant Request for 2024.
- Add project to Comprehensive Economic Development Strategy (CEDS) list
- Develop a funding and implementation strategy
 - Meet with Tech Team to discuss funding and implementation options
 - Multiple state and federal program representatives meet with City team to discuss project and available funding sources, pros and cons.
 - Meet with CFM Advocates to discuss funding and implementation options
 - Analyze options against the policy for extensions currently being developed (this committee)



Funding Cocktail Group Exercise

Group 1: Rick Jessel, Karen Rutledge, Jeff Breckel, Dave Cox

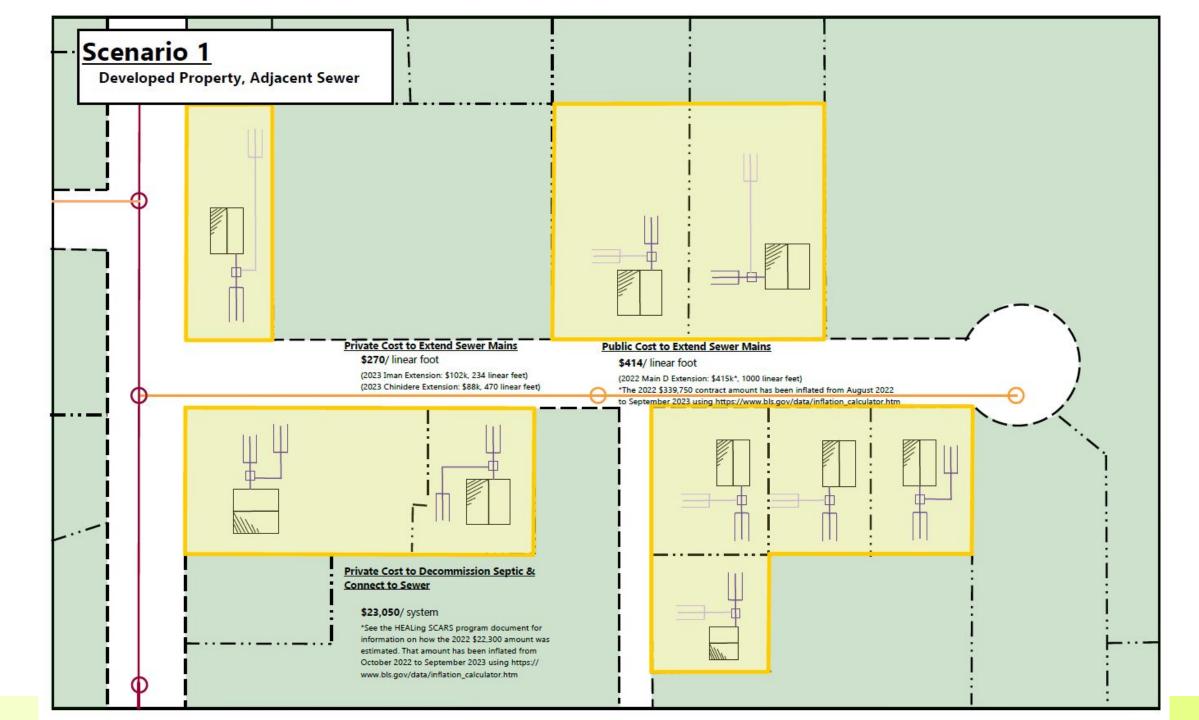
Group 2: Brian McKenzie, Jenny Taylor, Scott Anderson, Adam Miller

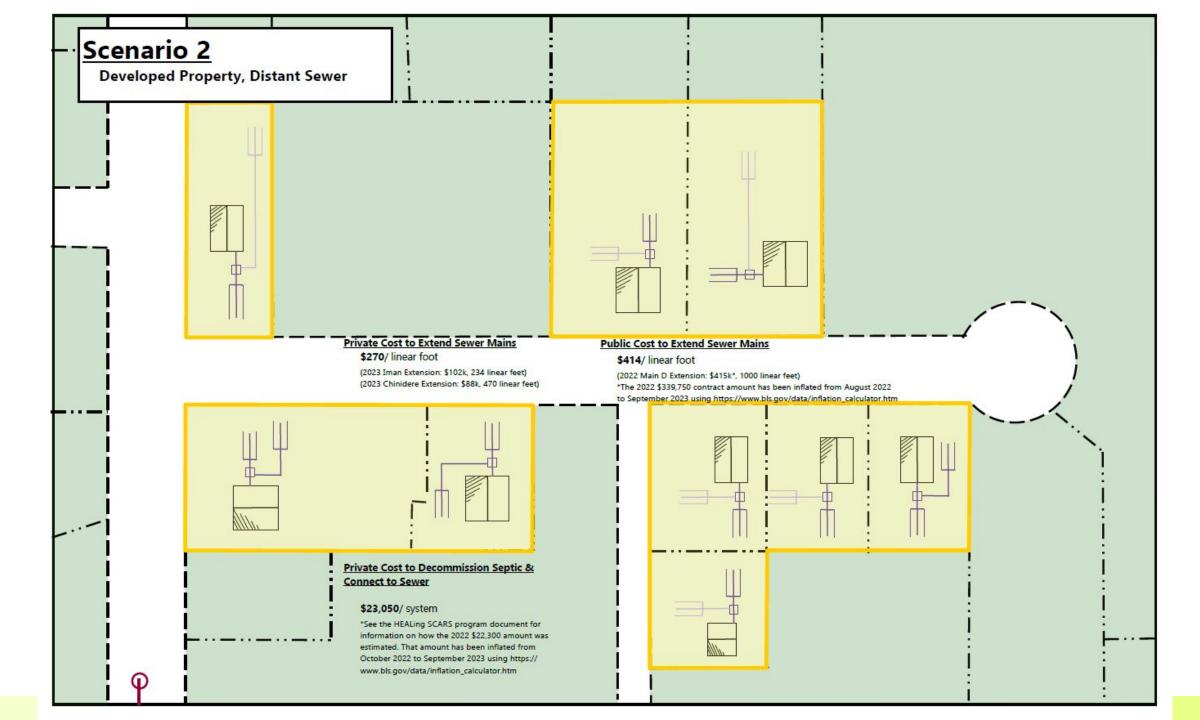
Group 3: Mark Peterson, Shawn Van Pelt, Wes Huston, Gail Collins, Michael Johnson

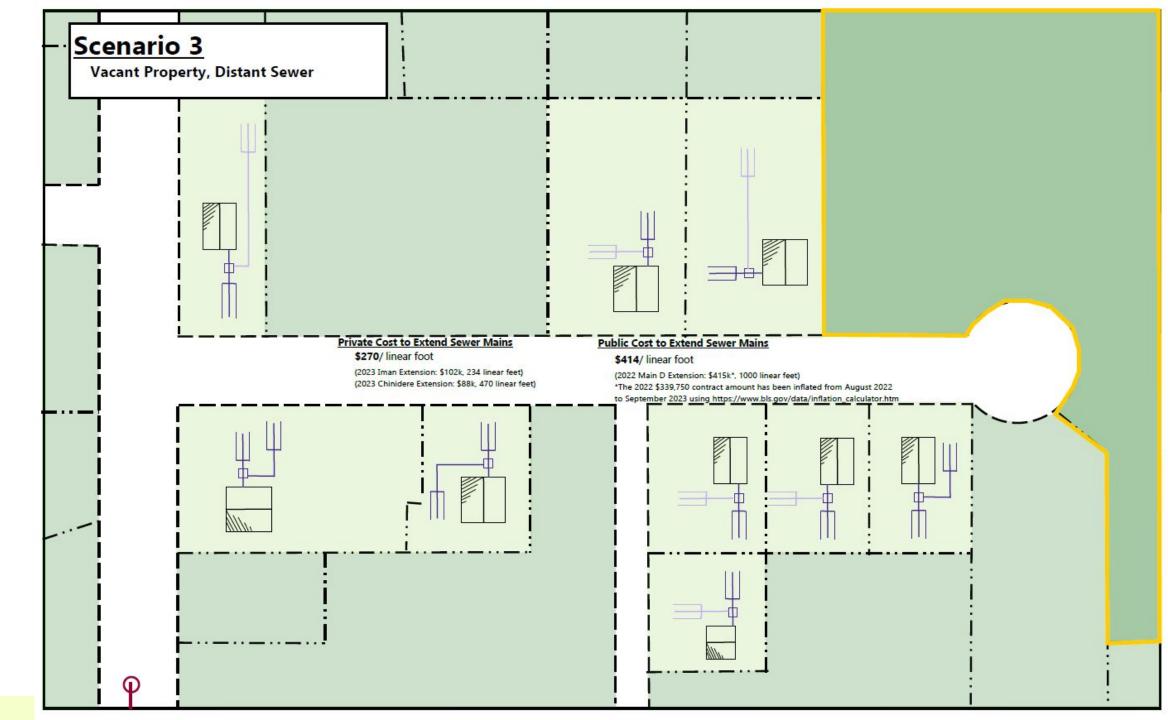
Source Options	Success	Rate Payer	Property Owner	Community	Grants
Direct Legislative Requests	Good				100% State 80% Federal
General Obligation Bond	Low			Voter-Approved Rates above 5% for 30-year bond	
Revenue Bonds/Loans	High	Up to 5% interest			
Low-Interest Loans	Good	Around 2% interest	Potential Low-Income Grant combo		Potential depending on utility rates/affordability
Local Improvement District	Low/Good		Making the loan payments (or a portion)		
Latecomers	Good		Refunding Developer/City		
Others					

Questions Related to Scenarios

Questions / Scenarios	Rate Payer	Property Owner	Community
% distribution	Loans x%	LID X%	GO Bond X%
Do not exceed		X% of property value	







Questions related to Triggers

- Should there be a different distance criteria for Expansion, Development, Failure
- What considerations should be included in the appeal section house location, lot size, improvement value compared to assessed land value, mainline location/availability via street or easement