

City of Medicine Lake

10609 South Shore Drive • Medicine Lake, Minnesota 55441 • (763)542-9701

Capital Improvement Plan

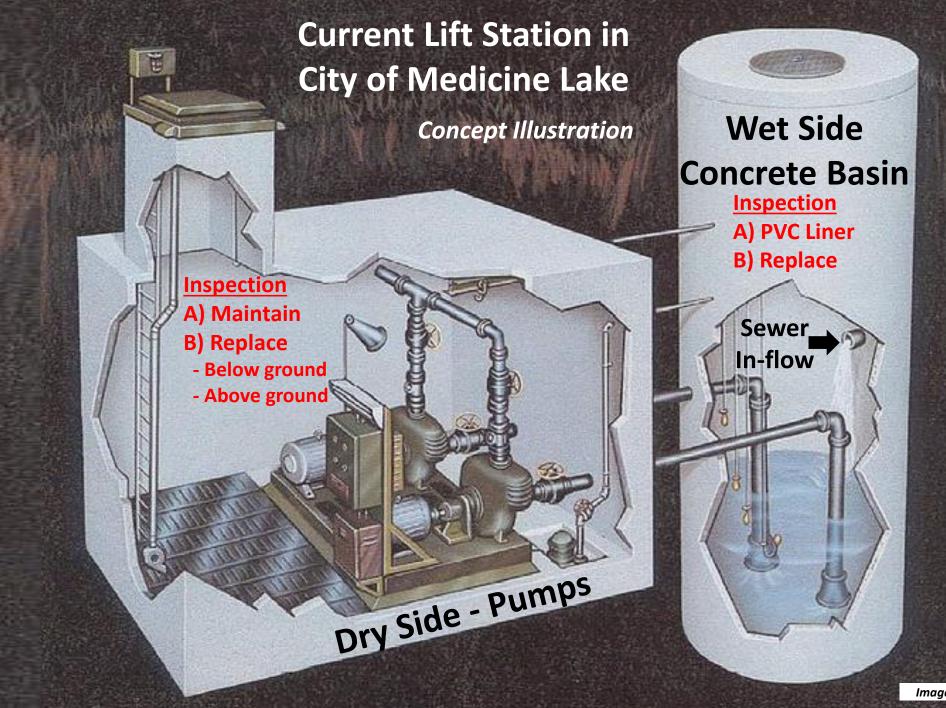
Status Update – 1/4/2021

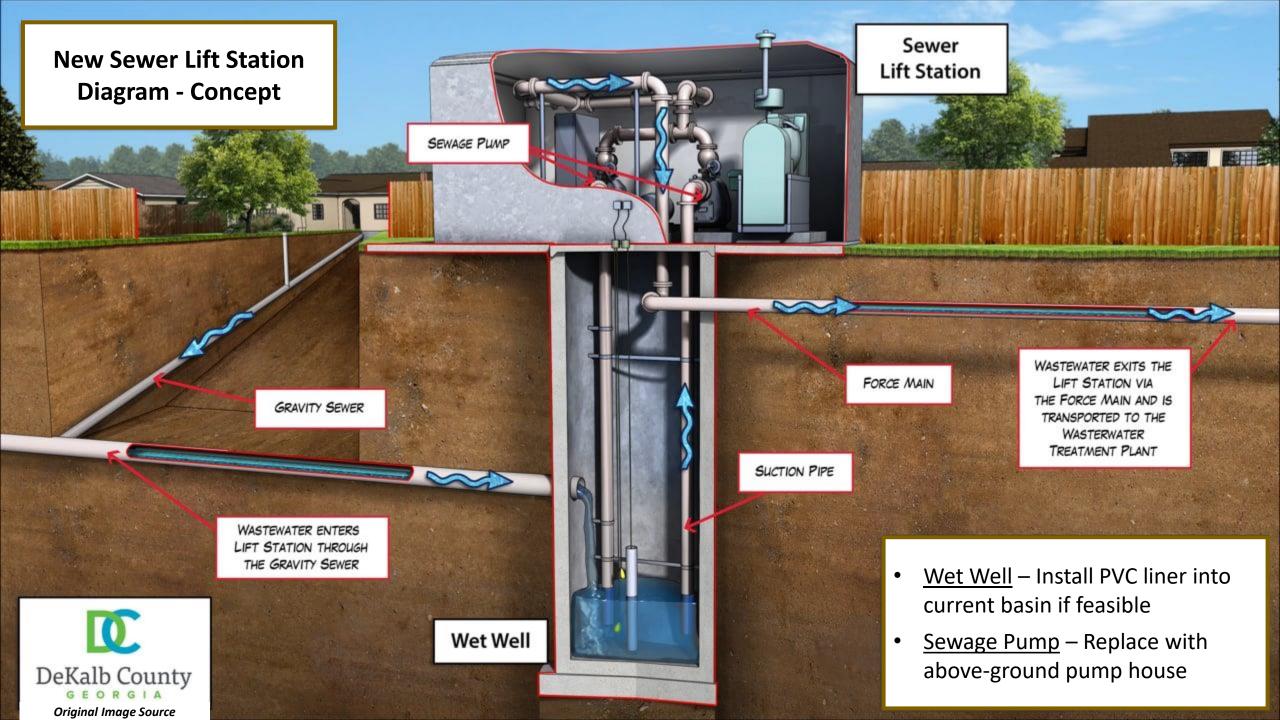
Capital Improvement Planning – Key Items

	Infrastructure Item	Key Issue	Action Summary
1	Sanitary Lift Station	50 Yrs – Past Useful Life	Inspection/Proposal in early 2021Range of options from fix to replace
2	Sewer Lateral PVC Liner	Inflow & Infiltration	 Phase II of Main Sewer Relining Project 133 Laterals & 26 In-Yard Manholes
3	Road Rehabilitation	Road Deteriorating	2 Phase Replacement(3a) Peninsula Rd (3b) Kaiser/Colonial
	City Water System	Fire Safety & Future Planning	Key Long-Term DecisionInstall w/ New Road For Best Pricing
	Manholes PVC Liner	Inflow & Infiltration	 21 In-Street – Do w/ New Road 26 In Yards – Do with Sewer Lateral
	Buried Utilities	Remove Utility Poles	Cost per Household is a ChallengeAppears To Be Cost Prohibitive

Sanitary Lift Station

Rehabilitation Project Overview

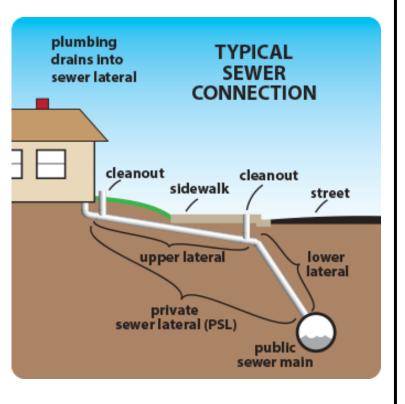




Sewer Laterals

Relining Laterals Project Overview

Lateral Connections



Inflow & Infiltration



Sewer Relining

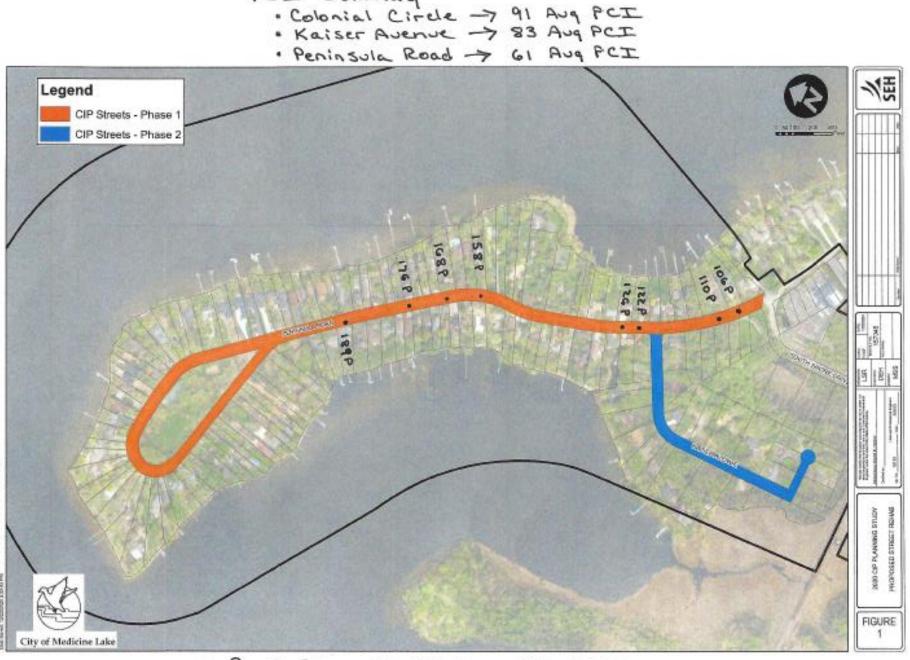




Road Replacement

Rebuild Road & Install City Water Hydrants

Road Replacement 2-Phase Concept



PCI Summary

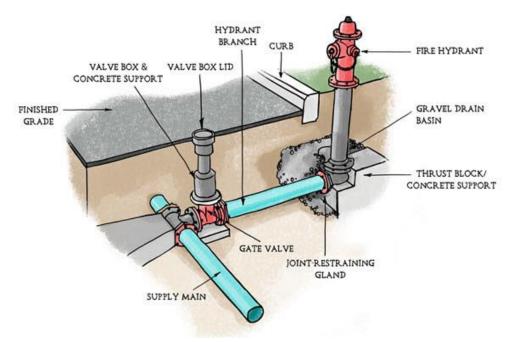
· Road Segments Under 50 PCI

Dump Tank Water Supply





Fire Hydrant Water Supply





Next Steps

Project Scoping & Financial Planning

Project Grouping Concept

	Infrastructure Item	Key Issue
1	Sanitary Lift Station	50 Yrs – Past Useful Life
2	Sewer Lateral PVC Liner	Inflow & Infiltration
	Road Rehabilitation	Road Deteriorating
2	City Water System	Fire Safety & Future Planning
3	Manholes PVC Liner	Inflow & Infiltration
	Buried Utilities	Remove Utility Poles

Project Groupings - Overview

Sanitary Sewer Lift Station

Lift Station Rehabilitation

Sewer Lateral Relining

Lateral Rehab (qty 133)

Manhole Rehab in Yards (qty 26)

Peninsula Road - Phase 1

Street Rehabilitation

Manhole Rehab on Street (qty 14)

Storm Sewer Improvements

Watermain Installation

Kaiser & Colonial - Phase 2

Street Rehabilitation

Manhole Rehab on Street (qty 7)

Storm Sewer Improvements

Watermain Installation

Underground Utilities

\$700K to bury the new lines throughout city Plus \$2K per household for hookup

Watermain Installation

If not done with the road, it could be installed later using directional boring. Directional boring is about 70% more expensive.

Next Steps

- 1. Lift Station Determine next-steps repair/replace in the next few months
- 2. City Water Discussion Strategic long-range planning & public opinion
 - Present City Water & Fire Dept Considerations at Feb council meeting
 - Gather public opinion over coming months
- 3. Financial Planning SEH helping us identify financing options
 - Prepare a few go-forward scenarios
 - Explore eligibility (Grants, State-Bond, Muni-Bond, Cashflow, etc.)
- 4. CIP Final Proposal Present final plan for City Council vote by mid 2021
 - CIP Implementation Phases Defined
 - CIP Funding Scope Defined
 - CIP Proposed Timeline & Dependencies Defined