



Chad Davisson &lt;chaddavisson.gcsd@gmail.com&gt;

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## Graton CSD - Condition Assessment - Preliminary Results

1 message

**Anne Girtz** <agirtz@westyost.com>

Thu, Dec 14, 2023 at 12:58 PM

To: Chad Davisson &lt;chaddavisson.gcsd@gmail.com&gt;

Cc: Kathryn Gies &lt;kgies@westyost.com&gt;

Hi Chad,

Below is a summary update of the condition assessment for Graton CSD. As we discussed, we do not have all of the CCTV inspection data yet, and there are additional manholes to inspect since we discovered there were newer maps. I have also prepared a more detailed PowerPoint of the inspection progress, condition assessment, and R&R recommendations. You could use some or all of the slides – the content below is in there as its own slide. There are photos of some of the worst pipeline defects, as you requested.

Let me know if you have any questions or comments. Hope this is adequate for your board update.

Thanks,

Anne

### Summary of Preliminary Condition Assessment Results (December 2023):

#### Gravity Pipelines

- 58% of system (by length) assessed (73 pipes)
  - 7% of length assessed requires replacement (7 pipes)
  - 28% of length assessed requires rehabilitation (34 pipes)

#### Manholes

- 69% of manholes assessed (80 manholes)
  - 5% of manholes assessed require replacement (6 manholes)
  - 2% of manhole require rehabilitation (2 manholes)

#### Lift Stations

- Lift Station 1
  - **Priority Replacements:** Pump 1; pump guide rails; wet well lid; discharge piping in wet well; 6-inch plug valves (2); 6-inch check valves (2); generator; all electrical, instrumentation, and controls assets/systems.
  - **Consider replacing:** hoist, fencing/gate, and generator/electrical building
- Lift Station 2
  - **Priority Replacements:** all electrical, instrumentation, and controls assets/systems; install pulley system for pump access.
  - If the District is looking to hand over this facility to others for ownership and management, consider replacing entire lift station with a package system (pumps and controls) that vendor can maintain; equip with cellular (not dial-up); and consider alarm package appropriate for residential management.

### **Anne Girtz, PE**


Senior Engineer

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agirtz@westyost.com

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