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Graton CSD - Condition Assessment TM Outline

1 message

Anne Girtz <agirtz@westyost.com>

Tue, Nov 14, 2023 at 10:53 AM

To: Chad Davisson <chaddavisson.gcsd@gmail.com>

Cc: Kathryn Gies <kgies@westyost.com>, Monique Day <mday@westyost.com>

Hi Chad,

At our last meeting you requested an outline of the condition assessment TM to share at your next Board meeting.

I have developed the outline below.

Let me know if you have any questions. Thanks!

Graton CSD: Sewer System Condition Assessment Technical Memo – Outline

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Purpose of the TM: Present a summary of the condition assessment that was performed on the District's sanitary sewer collection system assets, including gravity mains, manholes, and lift stations. The TM will be used to understand the District's rehabilitation needs and define the recommendations for the Preliminary Design Report to be completed in a next phase of the project and used to support a construction grant application.

1. Introduction
2. Background
3. Existing System Description – characterizes existing pipelines, manholes, and lift stations
4. Condition Assessment Methodology and Results – describes the approach/steps to condition assessment and then results for each asset type
 - a. Gravity Mains
 - i. Tables will include: CCTV inspection status; NASSCO PACP defect summaries (Structural and O&M defects)
 - ii. Figure of PACP Structural defect Grades by pipe
 - b. Manholes
 - i. Tables will include: manhole MACP inspection status; defect condition summary
 - ii. Figure of manhole defect types
 - c. Lift Stations
 - i. Tables will include: condition rating summary
5. Rehabilitation and Repair Recommendations
 - a. Describes the different R&R methods by asset type (e.g., for pipes: spot repair, CIPP/trenchless, full replacement) and provides summary tables with preliminary recommended R&R. Note that the Preliminary Design Report is intended to develop final R&R recommendations; the TM is primarily to present existing condition.
6. Next Steps – describes the next steps in the project (using the condition assessment TM to develop the Preliminary Design Report)

Anne Girtz, PE

Senior Engineer

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