

MEMORANDUM

Date: May 13, 2020

To: Board of Directors

Cherry Hills North Metropolitan District

From: Chris Purrington, P.E.

Re: 2020 Sanitary Sewer Maintenance Program

2020 SANITARY SEWER MAINTENANCE

The District's Sanitary Sewer Maintenance Program consists of a two (2) year jet cleaning and video cycle. The District is divided into two (2) basins, the East Basin (6,792 linear feet) and the West Basin (5,198 linear feet). During even numbered years, the East Basin is jet cleaned and the West Basin is inspected by video. During odd numbered years, the West Basin is jet cleaned and the East Basin is inspected by video.

The 2020 Sanitary Sewer Maintenance Program was completed by Dale's Environmental Services (DES) and reviewed by our office. The following is a summary of the 2020 Program.

1. Jet Cleaning Program

The 2020 Jet Cleaning Program consisted of cleaning the East Basin. DES completed the cleaning on April 17, 2020.

2. Video Program

The 2020 Video Program consisted of video inspection of the West Basin. DES completed the video inspection on March 25, 2020. Structural defects with corresponding severity are identified on the attached Pipe Defects Map.

Summary

Below is a summary of the 2020 Video Program:

Root Removal

Root removal was performed on 330 LF of main line in the West Basin. The pipe segments listed below are the lines that DES cleared of problematic roots.

Upstream	Downstream	Street Name	Pipe Length
МН	МН		(LF)
MH 2.1	MH 2	S. Hudson Way	330

DES charged \$0.90 /LF (\$0.40 /LF for root cut, \$0.50 /LF for inspection), for a total of \$297.00.

Roots in Service Lines

Five (5) service connections with roots were identified. We recommend that letters be provided, including photos of the blocked service lines, as a courtesy to the homeowner. The addresses with root blockage are listed below.

Service Line Addresses		
4040 S Dahlia Street		
3941 Nassau Circle West		
3940 Nassau Circle West		
4941 Nassau Circle West		
5091 Nassau Circle West		

Recommended Pipe Repairs

Based on our review of the video inspections, there are no pipe defects that warrant repair. As a result, we do not recommend any repair project for 2020.

Please do not hesitate to contact me with any questions or if you need additional information.

Sincerely,

PURRINGTON CIVIL, LLC

Chris Purrington, P.E.

Attachments:

Pipe Defects & Root Maps

