

2020 Collection System Master Plan Frequently Asked Questions

What is the purpose of a Collection System Master Plan?

The plan functions as a guide for maintaining the City's high level of service to existing users as well as to provide the sewer service necessary for new development.

Why is the 2020 Collection System Master Plan update needed?

Periodic updates (approximately every 5-years) are essential to keeping the plan current and for programming City Improvement necessary to supporting City goals. The most recent update occurred in 2012. The City has grown significantly since 2012 (increasing its service territory) and has added many new components to its system. This plan, performed in concurrence with the Imaging Hayden planning, will be the most current tool for collection system planning.

How does the City use the Collection System Master Plan?

The City utilizes this plan to ensure adequate capacity and infrastructure exists for all users (existing and future). The plan establishes deficiencies, identifies solutions, and programs improvements necessary to serve the continually growing community.

What input did the City have while developing the Collection System Master Plan?

The City of Hayden staff provided timely input to policy and implementation concerns as well as coordinated between all Imagine Hayden plans (Parks, Transportation, and Comprehensive Plans). Capital Improvement Plan Projects were evaluated by City Staff to determine project priorities within the near-term future.

How is the City addressing growth in the Collection System Master Plan?

The plan evaluates both a near-term and build-out model to estimate future flow in the system to identify infrastructure necessary to convey flow. The future conditions simulate the future flow conditions generated by land uses defined by the proposed update to the Comprehensive Plan.

What is a Capital Improvement Plan (CIP)?

Analysis using the near-term and future conditions generates an understanding of the infrastructure needed and the upgrades necessary to serve the future system. The Capital Improvement Plan (CIP) consists of upgrade and improvement projects identified through the analysis, cost allocation, and recommended time frame for each project. Projects considered for CIP Projects must be:

- *Capacity/Expansion Projects – projects necessary to expand service to a new area and/or to increase system capacity to adequately serve the future flow conditions*
- *Rehabilitation/Replacement Projects – Required to maintain the integrity of the existing system*

How are projects identified in the Collection System Master Plan Capital Improvement Plan (CIP) paid for?

Projects may be funded by the City, developer, or with other funding sources. Other funding sources may consist of Local Improvement Districts, grants, or Urban Renewal funding sources which may be required to fund a portion or all of a given project.

Operations and Maintenance (O&M) of the system are not considered for CIP Projects. System O&M shall be funded through monthly user fees.

How is pipe capacity measured?

Pipe capacity is measured by the ratio of maximum depth of flow to pipe diameter (known as the d/D ratio). When the flow in a pipe reaches the point where the d/D ratio is greater than the maximum allowable d/D ratio for a given pipe size, the pipe diameter should be increased to the next size. The d/D scale originated from the American Society of Civil Engineers (ASCE) manual “Design and Construction of Sanitary Sewers”.

How can I provide input on the draft Collection System Master Plan?

Because of COVID, in-person open houses are not planned. However, there are other opportunities to be involved and provide comment. The Comprehensive Plan is available on the website at https://www.cityofhaydenid.us/imagine_hayden. You may email questions and comments to ImagineHayden@cityofhaydenid.us or call the Public Works Director, Alan Soderling at (208)209-2018 or City Engineer, Rob Wright at (208)209-1079. Additionally, we have a public hearing tentatively planned with the City Council on January 12, 2021.