Sewer System Capacity Risk and Pipe Mortality Risk

FOR CITY INTERNAL USE ONLY

Legend

- Montgomery Park Development Area
- Combined Sewer Basin
- Basement Sewer Backup Risk (BSBR, 25-Yr Storm)
- Capacity Limited Pipe
- Montgomery Park Development Area Streetcar Alignment (Proposed)
- Portland Street Car

Hansen Pipe Segment Grading

- 4
- 5

Modeled Sewer Pipes by Flow Type

- Sanitary Sewer Pipe
- Combined Sewer Pipe
- Pumped Sanitary
- Storm Drain System
- Green Street Facility
- Swale

- Manhole Flooding Risk (25-yr Storm)
- Reported spill during greater than 25-year storm event
- Reported spill during 5 to 25-year storm event
- Reported spill during less than 5-year storm event

The map summarizes predicted Capacity Risk (BSBR, MH flooding @ 25-yr storm) and Mortality Risk in terms of Hansen pipe structural grading (4 and 5 shown) where on scale 1 is best and 5 is worst.

C:\andreyn\CCSP\NingMao\Version4\SewerRisk_WS_Final.mxd ASM created: Dec 03, 2020