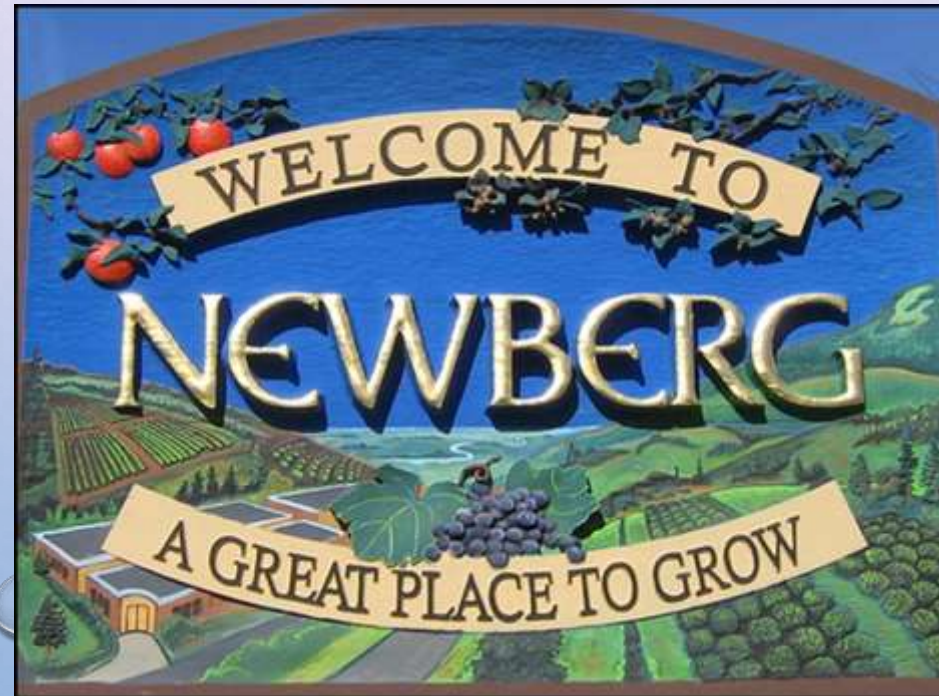
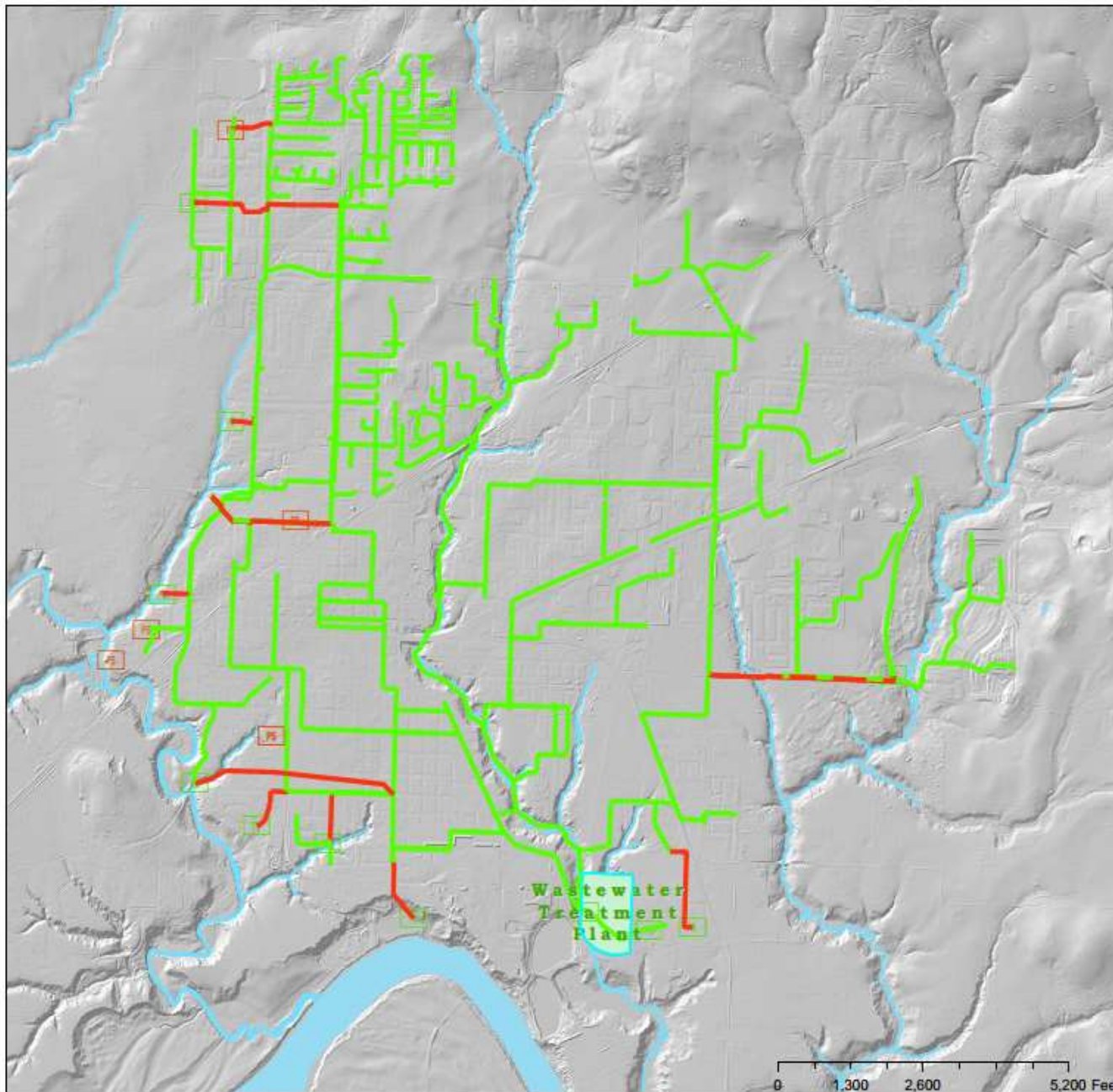


CITIZENS RATE REVIEW COMMITTEE 5 YEAR WASTEWATER C.I.P. PRESENTATION



NOVEMBER 19, 2015



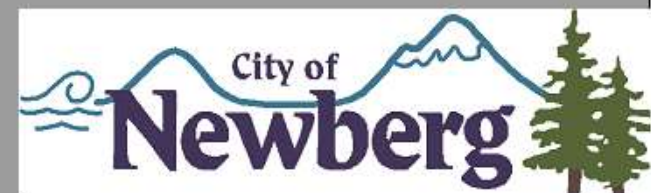
Wastewater System Generalized Sewer Main Type

- Force Main (Uphill)
- Gravity Main (Downhill)
- Willamette River
- Streams

Pump Stations

Subtype

- PumpStation
- Private Pumpstation



STATUS UPDATE ON PROJECTS

- WASTEWATER TREATMENT PLANT
- S. SPRINGBROOK ROAD – ASSOCIATED WITH THE BYPASS
- INFLOW/INFILTRATION STUDY
- INFLOW/INFILTRATION CONSTRUCTION
- SECOND ST PARKING LOT
- HESS CREEK #2-#5
- HESS CREEK #6-#9
- SOUTH INDUSTRIAL AREA
- DAYTON AVENUE PUMP STATION
- N. SPRINGBROOK ROAD #7-#9
- WASTEWATER LID RESERVE FUND



PROPOSED 5 YEAR WASTEWATER PROJECTS

- INFLOW AND INFILTRATION PROJECTS
- DAYTON AVENUE PUMP STATION
- COMPOST FACILITY
- ROOFING REPLACEMENT
- COATING ON PUMP STATIONS
- WASTEWATER MASTER PLAN
- IMPROVEMENTS TO EXISTING
OXIDATION DITCHES
- INFLOW AND INFILTRATION REPORT
- HESS CREEK TRUNK LINE



INFLOW AND INFILTRATION PROJECTS

- Keller & Associates completed the report in 2015
- Prioritized projects
- Completed Meridian Street project
- \$300,000 - 600,000 over the next 10 years to complete the needed repairs and/or replacements



DAYTON AVENUE PUMP STATION

- Existing pump station was constructed in 1993
- Several overflows
- Completing preliminary design report
- Need to rebuild the existing force main and new pump station



COMPOST FACILITY

- The compost facility has a conveyor belt as a part of the process.
- Due to wear and stretching of the chain, it needs to be replaced on a regular cycle.
- This project will replace the chain
- every 4-5 years.



ROOFING REPLACEMENT

- The maintenance of roofs on the existing buildings at the WWTP have been deferred
 - Composter Building
 - Tunnels Building
 - Gutters & Soffits
 - Screw Press Room
 - Disinfection Building
 - Administration Building
 - Secondary Building



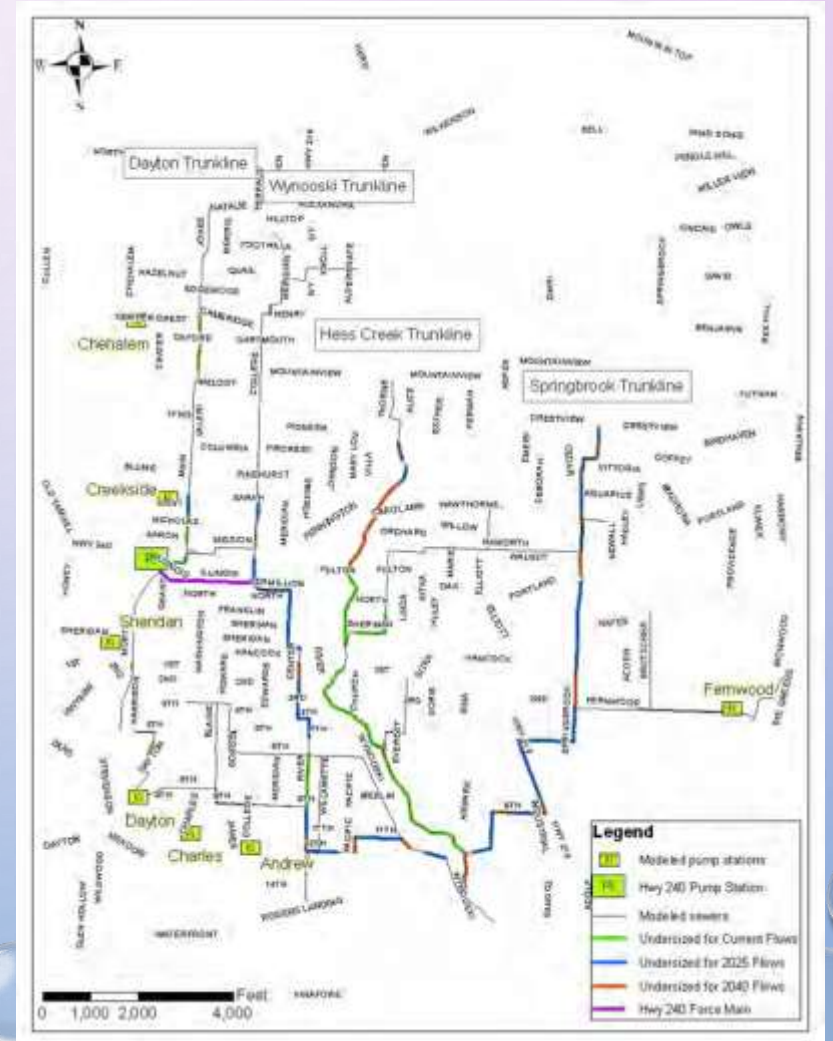
COATING ON PUMP STATIONS

- This project would coat the interiors of the Fernwood and Creekside Pump Stations
- Coating is a maintenance need



WASTEWATER MASTER PLAN

- Master Plans are updated every 10 years
- The last Wastewater Master Plan was completed in 2007
- The update will include modeling the hydraulic capacity of the system and identify/prioritize projects to address system deficiencies



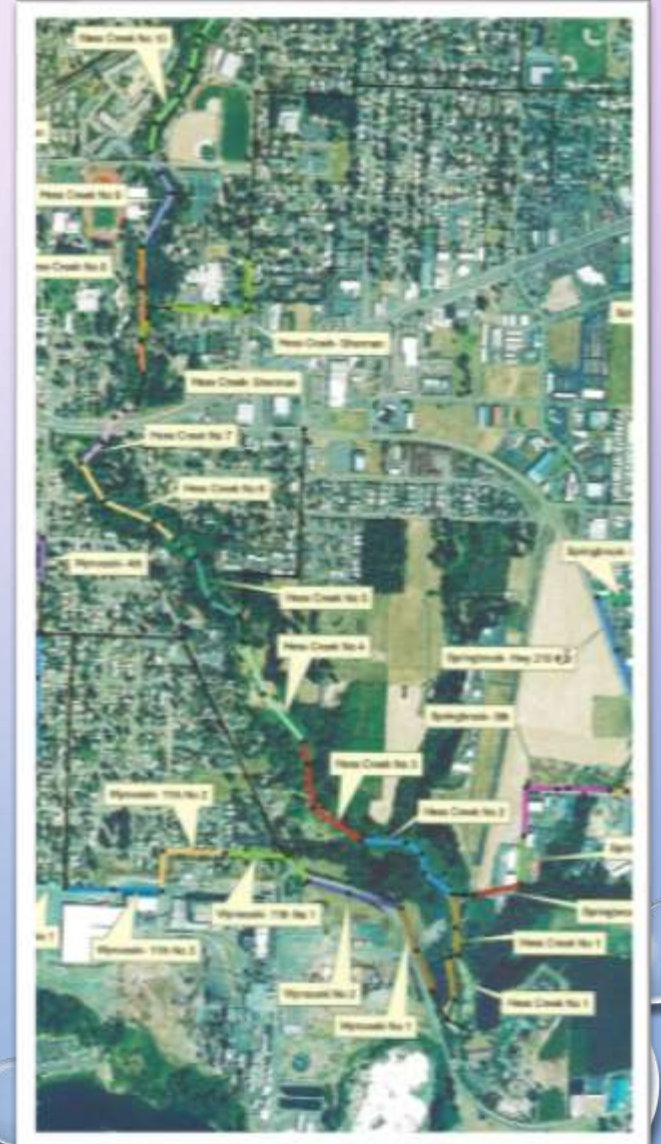
EXISTING OXIDATION DITCHES

- New oxidation ditches are scheduled for FY20/21 -
- In order to stay in operation, the existing oxidation ditches need structural repairs

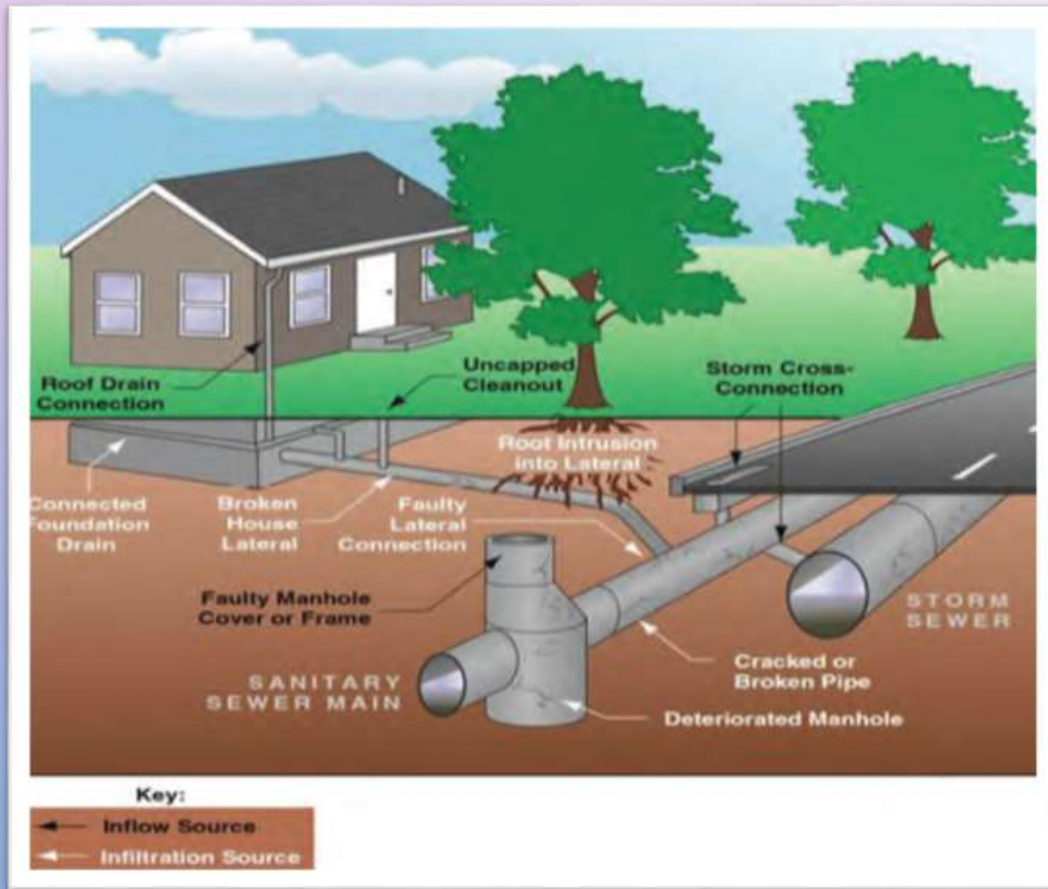


HESS CREEK TRUNK LINE

- The existing wastewater trunk line is aging and under sized for future development
- The pipe is located in the Hess Creek Stream Corridor
- The new pipe sizes will range from 24"-30"



INFLOW AND INFILTRATION REPORT



- The Dayton and Wynooski Basins were completed in 2015.
- This project would evaluate the Hess and Springbrook Basins and evaluate the work completed on the Dayton and Wynooski Basins.

MULTI-FUND PROJECTS

- Survey Equipment
- Permitting Software
- Cartegraph Software Upgrade
- Wonderware Software Upgrade
- Maintenance Facility

Cartegraph



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