

**From:** Lehnig, Dale  
**Sent:** Tuesday, September 15, 2020 12:50 PM  
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**Cc:** Hays, Diana <[dhays@purcellvilleva.gov](mailto:dhays@purcellvilleva.gov)>  
**Subject:** CIP Priority Projects - Water

David,

In response to your question yesterday about the priority CIP projects, I'll offer the following:

The Water CIP projects can be divided into two general groupings: one for water supply and distribution mains that are essential for delivering water from the WTP to the Town, and the other for in-town water main replacement projects.

For the first category (Water Supply and distribution mains), the ranking and criteria is described in the water resources report. Based on this methodology, here is the project ranking for the top 8 projects:

1. Reservoir intake repair and dredging. We have since added the drain valve repair to this project, although it may need to be broken out as a separate project depending on the timing of the work. \$1,565,000 FY 21 - 23
2. Finished water storage (in-town) \$3,422,000 FY 30+
3. Marsh Well Lease (operating budget)
4. Nature Park Well connections (currently under construction) \$567,000
5. Consolidated Ground Water Treatment Plant, CGWTP. Phase I – building to house future filtration \$600,000 FY 20 - 21
6. CGWTP, Phase II. Filtration equipment and piping for one Aberdeen well and Jeffries Well. \$1,300,000 FY 25 - 26
7. Three projects are all ranked equally as #7 – Reservoir to WTP main \$2,240,000 FY 22 - 24, Cooper Spring Main (\$1,120,000 FY 22 - 23, and WTP to Town Main (Phase 1 to main at Woodgrove HS, \$2,000,000 FY 23 - 24).
8. CGWTP, Phase III. Filtration equipment and piping for Bredimus/Nichols well and Well no 7 (Bles). This conservatively assumes that treatment will be needed for the Bles well. \$650,000 FY27

Water main replacement for in-town projects are based largely on the capital improvements plan that was prepared in 2010 by AH Environmental. There have been some changes based on updated information with respect to the sizes of the water mains, and we have included water main replacements with other general fund roadway projects if it made sense. Priority ranking for these projects are:

1. The following had equally high rankings:
  - a. Hall Avenue/O Street Water Main Replacement (currently under design) \$294,400 FY19 - 21
  - b. F Street Water Main Replacement (currently under design) \$374,400 FY19 - 22
  - c. 12<sup>th</sup> Street Water Main Replacement (currently under design) \$519,100 FY19 - 22
  - d. S Nursery Avenue Water Main Replacement (currently under construction) \$128,800 FY19 - 21
2. The following ranked slightly lower than the above:
  - a. Holly Lane Water Main Replacement \$300,000 FY25+

- b. A Street Water Main Loop \$126,000 FY25+
- c. Springsbury Water Main Extension \$162,600 FY25+
- d. Rugby Court Water Main Extension \$111,900 FY25+

Please let me know if this is what you needed.

Thank you,

*Dale*

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