

Heritage Hunt Sewage Pumping Station and Force Main
Public Meeting Questions & Answers
May 11, 2022

1. Where can copies of the PowerPoint presentation given on May 11, 2022, be obtained?

The slides are posted on the project webpage: <https://www.pwcsa.org/heritage-hunt-project>.

2. Please explain the Funding Sources, 02, 03, 04 & Other and where they come from?

The Service Authority has already collected all needed funds for this project. The funds were obtained from fees the developers pay to connect to our service, as well as fees paid by ratepayers, a portion of which goes to the replacement fund and maintaining service to our residents. This project is funded through these various types of rates collected.

3. One document states the 24-inch force main is 5,500 feet long and another states the force main will be 10,500 feet. Please explain.

The complete 24-inch force main system runs from the pumping station, down Heritage Hunt Boulevard, across Route 29, across the park and ride, across the railroad tracks, and ends near the storage unit facility near University Boulevard. The 10,500-foot portion, from Route 29 to the storage unit facility, has already been completed through other projects. The remaining 8,200-foot connection is being completed by this project.

4. How will the pumping station be powered?

The pumping station will be powered from an existing transformer which, along with an on-site backup generator, is routinely tested. The Service Authority coordinates any testing with the HOA and notifies the HOA in advance when doing routine maintenance work at the site.

5. How often do you test the generator?

Approximately once a month.

6. Will the pumping station noise level change (increased or decreased)?

It will remain within the County ordinance noise levels; however, because the generator will be located inside the new pumping station building, the sound should be diminished when the generator is running. There will also be noise mitigation within the building and sound buffering provided by landscaping to help decrease overall noise levels.

7. The Memorandum of Understanding enumerates Heritage Hunt for 90+ trees. Why? Do you plan to take them out or hurt their root system?

There is a signed Memorandum of Understanding between the Service Authority and the HOA for this project. A survey of the trees located within the vicinity of the project was performed in 2019, identifying the age and size of all the trees present. Based on the survey findings, it was determined which trees would need to be replanted/replaced due to anticipated impacts from this project. The survey also estimated the value of the trees that would be removed, and the HOA will be reimbursed for these.

8. For the one weekend that the emergency gate is utilized as a community exit to Catharpin Road, how will cars be prohibited from ENTERING through that back gate?

The Memorandum of Understanding states that the HOA will provide security. Emergency vehicles will still be able to enter through the emergency gate; however other vehicles attempting to enter will be directed to turn around. Residents and visitors will be directed to exit the community through this gate during this time frame. The contractor cannot use the emergency gate during the weekend closure.

9. Isn't the Service Authority providing traffic control for the entire weekend that the front exit is closed?

The HOA will be providing security for that weekend; however, the Service Authority will reimburse the HOA for additional security costs incurred.

10. What does "force main" mean?

Instead of being a gravity-driven pipe, it is pressurized. With a gravity main, the sewage flows downhill via gravity. However, due to elevations within certain areas, sewage cannot flow to the next service area via gravity and a force main must be utilized. In these cases, sewage is pumped from a pumping station into a pressurized pipe to reach the next service area.

11. Is this new pumping station being constructed for only the Heritage Hunt community?

The new pumping station will service the Little Bull Run sewershed encompassing Heritage Hunt and areas to the west.

12. Please detail what will be done at the original pumping station site after demolition. Will there be a concrete slab left and what landscaping will be done?

The site access drive will be restored, and plantings will be placed in coordination with the HOA. The drive will be repaved in the area adjacent to the existing pumping station, and the existing station will be demolished. Any underground facilities at least three feet below the surface will be abandoned in place according to regulations and grass will be planted in that area for additional cover.

13. Can we get copy of coordinating documents with first responders? How will they be informed on roadway restrictions (Emergency Preparedness Committee request)?

We will speak with the emergency responders in the area as we do on all our projects and let them know what the plans are.

14. Will the construction vehicle drivers be made aware that residents will be going in and out of their driveways and to be respectful of such?

When we communicate with our contractors, we make sure they understand the community comes first. Community members will always have access to and from their driveways, and flaggers and signs will be present to direct traffic when necessary. There may occasionally be minor delays, but never a complete shut off from access.

15. When this project was announced in March 2016, it was stated that the new pumping station and new force main were needed to accommodate growth in this area. Since this neighborhood has been fully developed the existing pump station has met our needs. What new developments have occurred that encompasses the extra 4 MG? Will that require new in flows from these new developments?

The pumping station and force main serves the Little Bull Run sewershed and is designed to handle sewage from the entire sewershed. A map of the sewershed is published on the project website.

16. The slides said that the HOA will restore the 14th fairway. Another slide said the HOA will repave the full width of Heritage Hunt Drive and another road. Who pays for these improvements?

The Memorandum of Understanding has provisions in which the Service Authority will reimburse the HOA for their costs to repave the roadways and restore the impacted areas of the golf course.

17. Will Fieldstone Way and Alderwood Way be cleaned at the end of each day?

The contractor is required to clean the worksite of dirt and debris daily. If no work is being performed in those areas, they maybe not be cleaned each day; however, if sediment or debris is dragged onto the road, these areas will be cleaned.

18. During construction, will there always be at least one person that speaks English?

We will be issuing a letter to residents with project details and Service Authority personnel, or representatives will be on site. The contractor's supervisor is required to speak proficient English.

19. The 24-inch force main brings sewage into the pumping station. Where does the sewage go? Is the pipe in place to take the sewage out of the community?

There are 10- and 16-inch force mains presently and this project will install an additional 24-inch force main. A larger portion connects back to the system near Wellington Road and the overarching termination point on the west side is managed by the Upper Occoquan Service Authority.

20. Is the Smith Farm development part of the Little Bull Run region?

It is not part of the sewershed within the comprehensive plan development area. The Prince William Digital Gateway is outside the current comprehensive plan area and comprehensive plan development area. The sewershed will not receive flows from Smith Farm or the Digital Gateway. An exhibit showing the sewershed served by the Heritage Hunt Pumping Station is provided on the project website.

21. Where will the contractor's workers park their personal vehicles?

The Contractor will be required to coordinate this with the HOA. Within the pumping station site, they are allowed to park within the temporary construction easement; however, they are unlikely to fit all personal vehicles within that. The location of any additional parking will be discussed and agreed upon with the HOA.

22. There is a shortage of parking in Heritage Hunt. Can workers meet outside of Heritage Hunt and drive in the community in work vehicles?

Consolidation of vehicles offsite will be the likely approach utilized on this project by the contractor. Any other parking will be coordinated with the HOA.

23. Stanley Martin is building 494 houses that parallel Fieldstone Way. Is this development to be tied into the Heritage Hunt Pumping Station? If so, won't you need to build a new in flow?

This is part of the Smith Farm development, which is not part of the Little Bull Run sewershed; therefore, it will not flow into the Heritage Hunt Pumping Station.

24. Are there any other HOA's in the Little Bull Run Sewershed?

There are other HOAs in the Little Bull Run sewershed.

25. In the event of a loss of power to the pumping station during a major weather event, how long can the emergency generator operate the pumping station? Could prolonged outage result in an overflow of the wet well?

This fuel tank is sized to run the pumping station for 48 hours without refueling. The Service Authority has the ability to supply fuel if needed.

26. What can the Heritage Hunt residents do to help you succeed in completing this job?

For your own safety, stay out of active, marked construction areas and do not enter an active construction zone. Construction takes time and we ask residents to be understanding during the process and remember the ultimate goal for the community and for our ratepayers. We do the best we can, and we have standards and restrictions in place. As concerns come up through the project, take advantage of the project webpage and reach out to us if questions or concerns arise.

27. How often will fuel need to be replenished. Are there plans to make it solar in the future?

Not for this one, but for future projects we're looking at environmentally conscious options.

28. As the Heritage Hunt community has the burden of this project, will Heritage Hunt get a discounted fee from the Service Authority? How will Heritage Hunt be compensated?

The HOA will be compensated for construction impacts and the Service Authority is funding the paving that will be completed at the end of the project. In addition, as part of this project, there will be more landscaping provided around the pumping station site and a reduction in the noise level from the pumping station is anticipated.

29. Once construction begins and we are in the dry season, with little rain, what provisions will be in place to keep dust to minimum?

We follow Virginia erosion and sediment control requirements, which provides dust control requirements, particularly during the dry season. These requirements include utilization of a watering truck to keep dust on the roadways down and watering the site to minimize the dust produced.

30. There are two adjacent ponds. What procedures are in place to prevent dirt and other runoff entering these ponds?

There are erosion and sediment control measures in the contract. The Contractor is required to implement as well as perform regular visual inspections to ensure the measures are working properly, and that no sediment or debris is leaving the project site.

31. On average, how many workers will be on site during construction? And will there be a constant stream of dump trucks coming and going?

We are unable to state how many workers will be on site at one time as it is dependent on the nature of the work being performed. There will be dump trucks entering and leaving the project site; however, these trucks will only be allowed during the working hours of 7 AM to 5 PM, Monday through Friday, unless prior authorization for work outside these hours is requested and approved.

32. Are there any incentives to shorten the 2-year duration of this project?

Currently there are no contractual incentives to shorten the 2-year project duration.

33. Will there be any security lighting on all night both during construction as well as post construction?

Security lighting is not anticipated for this project as the working hours are from 7 AM to 5 PM, Monday through Friday.