1. **What specific areas are going to be dug up?**

   Portions of the northeast side of the property will require some level of disturbance for the new facility. The existing pump station will be decommissioned and the property will be restored and stabilized.

2. **Will they take out any existing trees to build the new control building?**

   The Service Authority will endeavor to minimize the impact to the existing trees due to the construction of the new building. PWCSA will replace impacted trees and provide new landscaping features as part of the construction project to provide screening and buffering of the station.

3. **Do they plan to tear up any of our roads because it will affect our resurfacing plans?**

   The entrance road to the pump station and other roads within the community will be impacted by construction operations. The Contractor will provide regular maintenance to the roads impacted by construction traffic. The Service Authority will restore impacted roads to their pre-construction condition.

4. **What kind of concealment will be put up to block the view from those houses affected?**

   The site will be landscaped and fenced to provide screening and buffering. Landscaping plans will be shared with the community as the design progresses.

5. **When will construction of the new pump station start and finish?**

   It is anticipated that the construction period will require 2 years. The estimated 2 year period includes construction and start-up of the new pump station, construction of the new force main sections, demolition of the old pump station and completion of the site work and landscaping.

6. **Will the INPUT (influent) sewage lines be dug up? Will the OUTPUT (discharge) sewage lines be dug up?**

   No. The influent sewer lines are adequate to handle the anticipated flows to the pump station. Some segments of sewer on PWCSA property will be re-aligned for the new pumping station. The discharge force main piping leaving the new pumping station will be upgraded to include a 24-inch diameter force main in parallel to the existing 16-inch diameter force main. The PWCSA and Developer of Heritage Hunt worked together 20 years ago to construct a portion of the 24-inch force main through most of the golf course area and at road crossings to avoid future disruptions to the Golf course and the community. The remaining force main to be constructed will primarily be along Heritage Hunt Drive and Heathcote Boulevard.
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The force main work will be constructed in conjunction with the station project and will be presented at future Community Outreach events.

7. **What is the exact route of each direction above, as it impacts Heritage Hunt?**

The force main routing will be shared at a future Community Outreach event as the design progresses.

8. **Will the diggings of the new 30-foot wet well (under the new pumping station) be removed?**

The excavated materials may be hauled and legally disposed offsite or utilized on site for grading purposes.

9. **I understand the new Pumping Station will be one story above ground, 2 stories below ground. How tall will the aboveground portion be?**

The ridge of the pump station roof will be about 28 feet above grade (comparable to a two-level home). However, it is noted that the ground elevation of the new pump station is approximately 15 feet below the elevation of Alderwood Way; so the top of this building will be below the top of the surrounding homes.

10. **What architectural design will the new Pumping Station have?**

The design of the new station is planned to accommodate the architecture of the community. Architectural renderings will be shared at the Community Outreach event.

11. **What are the plans for the old Pumping Station?**

The old pumping station will be demolished below grade and the site restored and stabilized.

12. **Will all the land owned by PWC be totally fenced in?**

Approximately 0.7 acres of the 1.5 acres of the land owned by PWCSA will be fenced in.

13. **If so, what kind of fencing?**

Vinyl coated chain link fence, with slat fabric, approximately 6 feet high with 3 strands of barbed wire at the top to meet Service Authority requirements.

14. **How long will PWCSA take responsibility for watering the greenery put in to block (visual, audio, sensory) the new Station?**

The Service Authority will water and maintain all vegetation on Service Authority property.

15. **What is the decibel level rated for this location’s operation?**

Decibel ratings are difficult to predict as they are specific to the location where they are observed and measured. All noise-generating equipment will be either inside the pumping

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station building or in sound-attenuated enclosures. We are designing all equipment to be as quiet as practicable. For example, the standby generator will be indoors and include exhaust silencers. The old pumping station had an outdoor generator which was far less desirable in terms of noise.

The design will meet the noise requirements set forth in the Prince William County Zoning Ordinance.

16. What is the projected noise level in decibels for the new station versus the existing pumping station?

As noted above, but the new station will be quieter than the existing station.

17. I understand the new station is supposed to be more efficient than the existing one. Has the new technology been installed elsewhere and is it working as expected, or is the installation in HH the first use of it?

Equipment to be used at the pumping station has been in use elsewhere for 10 years or more, and is working as expected.

18. One complaint from residents living close to the existing pumping station pertains to odors emanating from the facility. If the new technology has been installed elsewhere, have there been any complaints about odors?

An odor control system currently used at many of our facilities will be designed and constructed for the new pump station. The program includes ventilating and scrubbing the air space within the station where odors typically emanate. We have received minimal to no complaints regarding odors and when we do, we investigate and address any concerns immediately.

**ADDITIONAL QUESTIONS PROVIDED BY THE SERVICE AUTHORITY**

19. Why here?

Before this community was developed, a sewer shed study was complete and determined that this location was identified and proffered as the optimal location for the regional sewage pumping station to serve the surrounding communities.

20. Why now?

This station serves this and surrounding communities and we have analyzed the existing flows coming to this station and the future flows of the sewer sheds and have determined now is the time to design and build the regional station to avoid potential sewer overflows and be ahead of the future demands.
21. **Why did the only install sections of the third force main when they installed with the other two?**

The capacity of the third force main was not required at the time the other force mains and pump station were installed. However, sections of the third force main were installed to minimize future disruptions to the golf course and community, when it was deemed necessary to install the remaining sections of force main and to have that capacity.
1. The site plan shows a new building of approx. 3,600 SF. How much larger than the existing building will the new buildings above-ground footprint be? Explain the necessity for the change in size.

The proposed building is approximately 2,300 SF. The top slab area of 3,600 SF, which the building will be constructed on, is larger than the building footprint. The building has increased in square footage as the station is doubling in capacity and will be housing equipment that currently sits in the open, such as the backup power generator. Keeping the backup power generator inside the building will provide additional noise attenuation when it is running and will be less visually impactful to the community.

2. Why is it important that "this" location be increased versus another existing or new site? Please explain the engineering and cost analysis.

Before this community was developed, a sewer shed study was completed and determined that this location was identified as the optimal location for the regional sewage pumping station. The gravity sewer lines that have been in place for 20 years were constructed in a manner to facilitate this location as the regional facility.

3. In general terms, what benefit does this project have to local existing service or future growth?

The project will continue to provide the service needed to accommodate current and future flows of the sewersheds. The upsizing of the station will resolve operational challenges such as peak flows and potential overflows. Other benefits are that the station is being designed to mitigate the concerns of the community, which are noise and odor. The architecture of the proposed station building and landscaping will better suit the existing community as well.