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WORTON PARK CULVERT PROJECT

Meeting Q&A

Wed, June 30, 2021 @ 6:30 p.m.

It is recommended that the presentations from the meeting be viewed prior to this Q&A as project Phase 1 and Phase 2 are more fully described there.

1. Q. How large will the new culverts be?

A. The Worton Park culvert will be a 16' x 4' box; the N. Woodlane culvert will be a 14' x 4' box. The channel between these culverts will be deeper and wider which means the roadways should not overtop as regularly as they do now during smaller storm events. The larger culverts will also result in a smaller floodplain.

2. Q. What size will the culverts being installed on Norman, Woodlane and S. Woodlane be?

A. The three remaining culverts will be smaller—10' x 3'—and will be installed as part of Phase 2 of this project.

3. Q. What other impacts will this project have on affected properties?

A. Temporary work easements will be needed from the impacted properties where work will be done. Trees near the bank will need to be removed but the area will be replanted when the project is complete. It is better for the stream to have trees on its banks that provide shade. Some utilities may have to be moved and the water main may need to be lowered.

4. Q. Is a home in the neighborhood being purchased and razed as part of this project? What is the plan for that property?

A. There is a home that was built in the floodplain that may be purchased and razed. If this occurs, the plan would be to expand the floodplain there to give high water someplace to go until it is able to continue downstream. The property would not be a pond and would be dry between rain events. It would look like a grassy area planted with some trees.

5. Q. What is the timing for Phase 1 and Phase 2 of this project?

A. Because we have to work around asphalt plants which typically close for the winter, we need to get this project started not later than September to proceed this fall. If it takes longer to get the utility

issues addressed, the project will begin in early Spring 2022. The entire project is expected to take approximately 90 days, dependent upon weather. Phase 2 will be planned for the following year.

6. Q. Can residents expect immediate relief from Phase 1?

A. Phase 1 should help the N. Woodlane and Worton Park area. Phase 2 will provide more relief for the entire area.

7. Q. Will the large amount of water coming from the High School be addressed and will the wall that is crumbling be replaced?

A. That issue will be addressed during Phase 2; options are still being considered. The larger and wider channels being installed will help convey the stormwater and reduce its velocity. The Sewer District is also speaking to the School District about water flow at the High School.

8. Q. How much wider will the channel be?

A. It will taper from 16' at the culvert down to approximately 10' wide. The channel will be armored with rocks.

9. Q. Can't you just bury the creek and pipe it in?

A. That was common practice decades ago, but we have learned that is the worst thing we can do. It only causes problems somewhere else downstream. That is why the Sewer District is looking at the entire watershed and recommending solutions that don't just push the problem somewhere else.

10. Q. How will traffic be maintained during construction?

A. Several options are being considered. Egress through S. Woodlane to Dunfield Drive in Mayfield Heights is a possibility, if the property owners there willing to provide an easement. This route will take traffic to Ridgebury Blvd. Otherwise, temporary culverts with signals will be constructed to allow traffic to pass.

11. Q. Are the new headwalls going to be the same as they are now?

A. No, the new headwalls are being planned in stamped concrete, similar to the headwalls installed on Wilson Mills Road near Raleigh (next to DO Summers Cleaners). Due to the new culverts being longer, the headwalls will not be as close to the roadway as they are currently. Therefore, they can be shorter to be less intrusive and can be arched, if desired. The final design has not yet been determined.