

## Questions and Responses from the Neighborhood Meeting 3-4-2020

1. Where will the access be on Meadow for the storm sewer installation?

*Meadow will be open at all times. While the storm sewer is being installed, the contractor will leave one lane open for cars to get through.*

2. There is an issue with parents using Meadow for student pick-up/drop-off, can this be addressed?

*A Traffic Service Request (TSR) has been made with the Police Department. They will monitor the activity over the next several months and report back to the Manager's Office and the Engineering and Public Works Department. Additional steps will be considered if determined necessary. Village staff will also report the concern to School District 39, so they can remind their parents not to park in the neighborhoods surrounding the School.*

3. There are issues with turnaround on the diagonal from Glenview Road to Wilmette Avenue, can this be addressed?

*This intersection is currently designed as an exit only from Wilmette Avenue to Glenview Road. Because Glenview Road is a route owned by the Illinois Department of Transportation (IDOT) an engineering study would be necessary to determine what modifications would be necessary to change the function of the intersection to allow left turns from eastbound Glenview Road. Residents can currently use Locust Road or Brookside as a north/south options to get to Wilmette Avenue from Glenview Road.*



4. What will the impact be to the trees along Laurel?

*On 3-5-2020, staff met with a resident on Laurel to walk the tree-line along Laurel. The plans confirmed that the fence line will be placed north of the tree-line to ensure the trees are out of the construction zone and protected from any construction-related activity.*

5. Will there be separate tree protection fencing for trees within the construction zone?

*Yes, the cottonwood trees in the construction zone will be fenced off and protected during construction. The engineering staff and foresters will perform daily inspections of the trees to ensure they are protected.*

6. Will there be drainage improvements in other parts of Community Playfield?

*The Intergovernmental Agreement with the Park District includes a request for the Village to financially assist with drainage improvements in Community Park that exist outside of the area of the vault installation. The details of this effort have not been discussed, however the Park District has indicated a desire to improve drainage in the north and northeast quadrants of the park. These additional drainage improvements would take place at a future time, separate from the Village's construction project.*

7. Can you improve the quality of images and maps on communication?

*Thank you for this comment. We will work on this for future communications.*

8. Where is the construction staging?

*The contractor will develop a staging plan that we will share with the residents at the Open House on March 19.*

9. How will inlets and catch basins look on the field once the construction is completed?

*The inlets and catch basins will use standard cast iron 2-foot diameter frames and grates flush with the surrounding turf grass.*



10. How deep will the access structures be and how often will they be accessed?

*The access manholes for the tank will be buried 6-inches and accessed approximately two times a year to conduct an inspection of the vault.*

11. How will the park district be able to use the park improvement funds that are included in the IGA?

*Per the terms of the IGA approved by the Park District, the funds that will be granted by the Village for the consideration of the use of the parks can only be used for the park improvements listed in Section 6.7 (subsection A through F).*

12. How will the Village finance the \$3.5 million for the park district amenities? Are there any issues with the Village issuing bond proceeds for these park amenities?

*The Village intends to issue bonds for all costs associated with the construction of the stormwater public improvements. These costs include the consideration for the temporary and permanent easements on the park district site. Based upon discussions with the Village's bond counsel, these costs are eligible to be included in any Village debt issuance.*

13. What will the public process be for the park amenities?

*There is no additional public process on the Village's end for the construction of park amenities. The Park Board has indicated that they will have additional public meetings on the park amenities prior to them making any final decisions.*

14. What is the dust plan? What are the plans for reducing dust emissions?

*The project is required by permit to control dust emissions. This will be accomplished through the use of site watering, temporary soil stabilization, and polymers if needed.*

15. How will the construction schedule change as the project progresses?

*The contractor will provide weekly schedule updates to the Village based on work progress and anticipated production rates. The Village will share any schedule changes through our various communication channels.*

16. What are the allowed days and hours under the current code?

*Weekdays 7:00 a.m. to 7:00 p.m, Saturdays 9:00 a.m. to 6:00 p.m.*

17. What would allow the Village to work outside of the construction days and hours?

*There are several components of the Village code that that would allow the Village to work outside the construction days and hours. Per the Village Code Section 16-112, the Village*

*Engineer and Community Development Director may allow work outside of the normal work hours in the case of an “urgent need”. The need to substantially complete the project by the August 15 deadline to eliminate additional impacts to Birchwood residents, park district property, and school operations would be considered an “urgent need”. Additionally, the construction hours can be extended when the construction activity will be beneficial to the Village in relation to the impact it would have on the neighborhood. The elements of this exception apply for the construction project at Community Playfield.*

18. Are there options for limiting the workload on the weekends?

*The Village will work with the contractor to limit weekend work as feasible without impacting the August 15 substantial completion date. The Village has committed to limiting any potential Sunday work to between 9:00am – 6:00pm.*

19. What are the construction noise limitations? Is there a decibel analysis for the truck traffic? How does it adjust for each type of vehicle (both loaded and unloaded) on site?

*The decibel analysis is for construction activity, which includes truck traffic. During construction, it can be anticipated that there will be noise associated with the construction activity. Within Community Playfield, the primary construction activities will include excavation, truck hauling, placement of the Stormtrap units, installing the stone around the Stormtrap units, storm sewer installation and site restoration. The noise level within the construction site can vary but would be approximately 85 decibels within 50 feet of the site. With only one exception, it is not anticipated that excavation activity would occur within 100 feet of a residential structure. At this range, the decibel level is approximately 60-70 decibels, which is similar to office noise, normal conversation, or classroom chatter. If necessary, the Village will work with the one residential structure closer than 100 feet to provide additional screening or construction staging to reduce noise levels.*

20. When would the access to Birchwood potential start?

*The decision to use Birchwood Lane alternate access is expected to be made around July 15 based on project progress and anticipated production for the remainder of July. If needed, construction traffic on Birchwood is expected to begin around August 1.*

21. Are there options to swing the vehicles around the baseball field off of Birchwood?

*The Village is working with its community partners to move the Birchwood Lane access route through the park to the west and further away from the residential structures at the end of Birchwood Lane and Pomona Lane- this requires relocation of baseball and field hockey operations which will take time to determine if it is feasible. If that cannot be accomplished, the Village will work with the contractor to provide additional screening to reduce noise levels.*

22. Is there a consideration for vibration testing for the adjacent properties?

*Although not recommended by the engineers, out of an abundance of caution the Village will provide additional vibration testing as appropriate.*

23. What would the impact area be for vibration?

*Given the soil conditions and distance from construction activities to adjacent residential structures, vibrations are not anticipated to have an impact on structures. pressures from loaded trucks are anticipated to have a potential impact on structures at a 1:1 horizontal-vertical ratio depending on the depth of basement. A 10-foot deep basement with less than 10 feet horizontal separation from a haul road would have the potential to be impacted. Truck traffic on the access route towards Birchwood will be on composite matting that disperses the weight of the trucks and reduces point loads and vibrations.*

24. Can you review the fencing options?

*Below are images of the fencing type to be used during construction. The orange fencing and chain link fencing with screening will both be utilized on the project perimeter.*



25. What can be done to limit students/people accessing the site and walking through private property surrounding the construction area?

*The Village agrees that safety is the most critical component of this project. Therefore, the plan is to close the park in the area of the work zone.*

26. How will vehicles be stored on the site? Is there an option to store vehicles towards the Highcrest parking lot?

*The Village will work with the contractor to develop an overnight construction equipment plan to maximize the distance from adjacent properties. However, once the vault excavation begins, it is anticipated the equipment will be stored where the day's progress ended.*

27. Can you discuss the lighting plan for the project? How will the Village minimize the spillover of light to surrounding houses and how much lighting will be on the site?

*The contractor will develop a lighting plan that provides visibility of the construction site while minimizing impact to the residents. This plan will be submitted to the Village for review to verify minimal impact on the neighbors.*

28. How will the lights be powered, will there be a generator?

*The lights will be powered by a temporary electric service to the power grid, generators will not be used to power the temporary lighting.*

29. What is traffic plan in the area? How will the vehicles access the site?

*The contract requires the use of high-volume roads like Lake Avenue, Illinois Road, Hunter Road and Glenview Road for access. Vehicles will access the site using the Highcrest parking lot.*

30. How many vehicles will be accessing the site on a daily basis?

*Vehicle volumes will be variable with peak volumes anticipated to exceed 100 vehicles per day.*

31. Is there a concern regarding the vehicles queuing up at the traffic signals?

*Construction traffic will add volume to the existing roadways, but not anticipated to cause excessive delay. Any issues that arise will be addressed during construction.*

32. What is the water table depth?

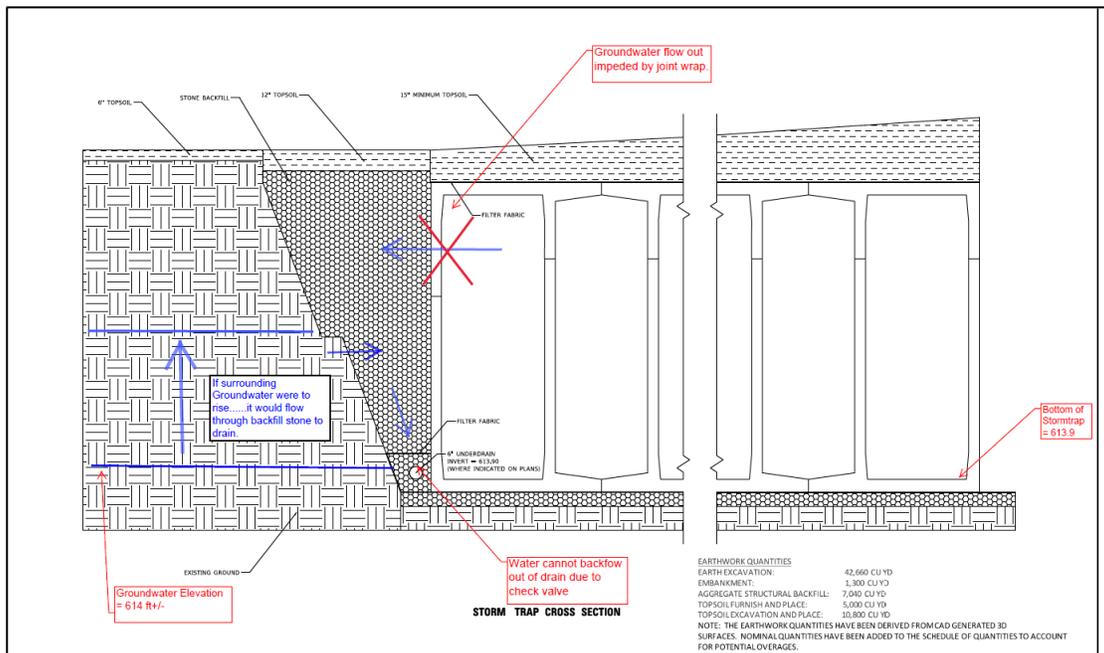
*As part of this project, over 50 soil borings and groundwater levels have been collected on the west side of the Village. From this information, we know that groundwater flow from east to west towards the Chicago River. The groundwater elevation at Community Playfield at the time of the soil borings in 2019 was approximately 614 ft. This is 7-9 feet below the ground elevations in Community Playfield, which varies from elevation 623-621 ft.*

33. What is the depth of the structure that will be installed?

*The bottom of the structure will be approximately 8-9 feet below ground, at an elevation of 613.9. This is just at the groundwater elevation that was measured in 2019 by the soil borings.*

34. Will there be an impact on the water table?

The groundwater elevation at the time of the soil borings was approximately 614 ft, and the geotechnical report indicates that the natural groundwater range could be within 4.5 feet of the ground surface. The design of the underground vault specifically took this into consideration by including an underdrain system around the base of the vault with backflow check valves. This will allow groundwater around the vault to enter the storm sewer system and be taken away from the vault area but will not allow the vault system to back feed into the groundwater. The sides of the vault are wrapped in tape to limit any seepage out of the vault if it were to fill with water. The net result will be a lowering of groundwater immediately surrounding the vault to an elevation at or below the bottom of the vault. Groundwater mounding calculations have been performed to verify no negative impacts from the system.



35. How will the groundwater be managed during the construction phase and post-construction?

Ground water will be pumped from the vault excavation to the storm sewer system during construction. After construction, an underdrain system around the vault will drain ground water to the storm sewer system.

36. Is there a process for documenting damages on home sites?

Residents may request to have pre-construction video/photo documentation of their foundation.

37. Will I get additional water after this project is completed?

Properties will not get additional water as a result of this project.

38. What is the cost of this project?

*In 2019 the Neighborhood Storage Project concept plan was estimated at \$68.2 million. Based upon contract costs for Phase 1A and the bid prices for Phase 1, the updated total project cost is estimated at \$65.9 million, a reduction of \$2.3 million. Below is a budget comparison from the 2019 conceptual phase to the updated 2020 figures.*

<b>Neighborhood Storage Project (NSP) Budget</b>				
<b>Year</b>	<b>Phase</b>	<b>Location</b>	<b>2019 Concept Estimate</b>	<b>2020 Updated Estimate/As – Bid</b>
2019	Phase 1A	Various	\$6.4M	\$4.5M
2020	Phase 1	Community Playfield	\$20.3M	\$21.7M
2021	Phase 2	Hibbard Park	\$14.2M	\$13.2M
2022	Phase 3	Thornwood Park	\$27.3M	\$26.5M
<b>TOTALS</b>			<b>\$68.2M</b>	<b>\$65.9M</b>

39. Can you explain the stormwater fee structure and if it will have a disproportionate impact of residents on the West side of the community?

*The Village worked in conjunction with Raftelis to develop a funding mechanism for the Village’s stormwater improvement program. The chosen tiered approach was determined to be the most efficient and equitable rate structure. The below figure shows the residential tier distribution for all single-family residential units. Tier 1 properties are highlighted in Green, Tier 2 are highlighted in yellow, and Tier 3 are highlighted in orange.*



Figure 5. Single family residential tier distribution of all residential properties in the Village

40. What is the impact of this project on a storm event for a 50 year or 100-year storm?

*The project will reduce the depth and duration of flooding in vulnerable areas even during larger events. The depth and duration benefits decrease as the rainfall amounts increase.*

41. What type of debt would the Village be issuing?

*The Village will work in conjunction with our bond counsel and financial advisor to determine the most financially prudent debt issuance. We will evaluate what type of bond to issue and the term of the bond to issue amongst a variety of other variables. For reference the stormwater fee analysis includes a General Obligation debt with a 30-Year term at an estimated 4.00% interest rate.*

42. What additional materials will be provided at the Open House?

*Large high-quality exhibits will be available for public viewing, engineering plans will be available, and the project team will be available to answer questions. Additional details on hours of work, equipment staging, and the like will also be available.*