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Mount Prospect Public Works Department

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6/27/2018

Current Resident
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Subject: Burning Bush Trails Park Proposed Storm Water Improvements

Beginning in 1991 with the installation of storm sewer check valves and concluding most recently with the construction of Levee 37 and its pump stations, the Village has taken steps to mitigate the Des Plaines River from inundating the subdivisions west of River Road.

Unfortunately, on numerous occasions, properties in your neighborhood have experienced significant flooding due to the inability of the storm sewers and pump stations to release water to the Des Plaines River at a sufficient rate. On all of these occasions, the gravity discharge of the storm sewers has been blocked by high river levels and the landside of the levee has been simultaneously subject to rainfall events unrelated to the river crest.

Presently, the Village of Mount Prospect is considering solutions to increase the performance of the storm sewer system and reduce flooding. One of the concepts under consideration is incorporating a storm water detention facility (a dry bottom, temporary storm water storage basin) into Burning Bush Trails Park.

Exploration of this concept coincides with River Trails Park District plans to update Burning Bush Trails Park. Presently, the eastern portion of the park already stores some storm water by design. The plan we are considering increases this capacity by deepening and widening the depressed areas.

Our civil engineering consultant, Christopher B. Burke Engineering, Limited, of Rosemont, Illinois (Burke Engineering) has determined that incorporating a detention basin and its corresponding drainage system into the plan for re-designing Burning Bush Trails Park could improve the playability of athletic fields and amenities by 27%.

Burke Engineering reached this conclusion by analyzing rainfall data that fell on the area over the last 5 years. This analysis indicated that the proposed Burning Bush Trail Park detention basin (if it were constructed), would have held water about twice a year for about an hour and a half at a depth of 0.7 feet.

Most importantly, the construction of a detention basin and installation of larger storm sewer pipes will help reduce the risk of recurrent surface flooding endured by some homeowners in the area.

If you're interested in learning more about this concept, please join Village staff, and representatives from Burke Engineering at the **Burning Bush Trails Park Open House on Tuesday, June 26, 2018. The event will be held between 6:30 PM and 7:30 PM in the park's community center.**

The River Trails Park District staff will be in attendance with their landscape architect, Greenberg Farrow, to present and discuss exciting ideas to update the park.

If you'd like to learn more, but can't attend the meeting, please call Public Works at 847/870-5640 or send us an email at publicworksdept@mountprospect.org.