



"Keeping a  
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Running"

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## ***Windsor Woods/Princess Anne Plaza/The Lakes*** **Combined Drainage Project** **UPDATE – June 2020**

This is our second update regarding the work on the long-term flood mitigation infrastructure improvements for the ***Windsor Woods/Princess Anne Plaza/The Lakes*** areas of the city.

As we all know, when ***Hurricane Matthew*** blew through here in 2016, there was major street and structural flooding, with over 800 homes suffering flood and structural damage. Engineers studied the neighborhoods and after-storm damage and found that there were a number of factors that contributed to the flooding:

- Low elevations
- An aging infrastructure that included undersized storm drain pipes and lack of stormwater storage
- Heavy tidal influence which created substantial reduction of stormwater storage in existing lakes and canals
- An increase in intense storm events causing more frequent flooding and increased property damage

Once we completed the engineering analysis of the storm damage and needed improvements, it showed that a number of infrastructure improvements are needed in order to achieve substantial flood mitigation for these neighborhoods. These improvements include:

- Tide gates to minimize tidal impacts and flooding
- Stormwater pump stations to manage water levels and increase storage capacity
- Creation of additional stormwater storage areas and capacity to manage the water
- Storm drain pipes to move water within the system and reduce street flooding

Below is a summary of the infrastructure work that is currently underway.

### **Status of Current Projects**

- **The Club House Road Storm Drain Project** constructs new storm drains along Club House Road from the intersection of Rosemont Road to the northwest corner of the Bow Creek Golf Course. This project will help with flood relief along Rosemont Road. The engineering design is complete, and we expect construction to begin later this year.

- **The Windsor Woods Tide Gate** is still under design with plans for construction to begin mid-2021. The environmental permitting was also recently completed. The proposed tide gate will be located across Thalia Creek just west of Lake Windsor at Mount Trashmore Park and will create the critical stormwater storage needed in Lake Windsor.
- **The Bow Creek Stormwater Park Project** is the proposed conversion of the **Bow Creek golf course into a stormwater park**. This project will provide very much needed stormwater storage to help with flood mitigation, while also providing recreational activities for residents.
  - An online survey about this project that we conducted last winter resulted in comments and suggestions **from over 700 citizens**.
  - The preliminary design continues for the overall concept plan and proposed landscape buffer planting plan, which also includes coordinating everything with adjacent landowners.
  - Our current plan calls for beginning with the buffer plantings later this year so they will be established and growing before the excavation efforts begin.
- **The South Plaza Trail and Presidential Boulevard Storm Drain Project** will construct new storm drains along South Plaza Trail from Rosemont Road to Presidential Boulevard and along Presidential Boulevard to the Windsor Woods Canal. Engineering design is underway, and we expect construction to **begin in the summer of 2021**.
- **The Old Forge Road & Red Lion Road Storm Drain Project** involves constructing new storm drains along Old Forge Court, Old Forge Road to Red Lion Road, and along Red Lion Road to the Windsor Woods Canal. Engineering design, and we expect construction to begin in the summer of 2022.

For additional information, maps, and brochures on the **Overall Drainage Improvements or individual projects**, please visit:

<https://www.vbgov.com/windsor-woods>.

**\*\* Please feel free to pass these updates along to other residents. If anyone wants to be included on our e-mail list and receive these updates or request additional information, please contact us at the following email address: [papww@vbgov.com](mailto:papww@vbgov.com)**

For more information about related projects please contact:

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