

# Municipal Separate Storm Sewer System (MS4) Stormwater Water Quality Project Update

Fiscal Year 2022 Q2

Prepared by:





**City of Portsmouth**

**VPDES Permit No. VA0088668**

**Stormwater Water Quality  
Project Update**

**Fiscal Year 2022  
Q 2: September 1, 2021 –  
November 30, 2022**

Prepared by:

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**FY 2022 Stormwater Management Water Quality Project Update**

**STORMWATER MANAGEMENT RETROFITS FOR PERMIT COMPLIANCE Prioritized by  
Estimated Cost per TP**

Retrofit Project Name	Acres Treated	Impervious Area Treated by Potential Project	Pervious Area Treated by Potential Project	Condition of Downstream Channel	Total Phosphorus Reduction (lbs)	Progress/ Estimated Completion of Construction	Estimated Cost of Implementation	Estimated Cost per Pound of TP
Green Lake #3 Level I Wet Pond	262.69	74.23	188.46	fair	71.09	Design in Progress	\$941,558	\$13,245
Beaton Dr. & Sykes Ct. Wet Pond	16.40	6.24	10.16	fair	8.42	Design Complete Readvertise Dec 2021 Est. completion Q1 FY2023	\$157,200	\$18,670
Churchland Wet Swale	8.99	1.89	7.10	poor	4.71	Completed:2018	\$147,443	\$31,304
Court St., Green Street	5.40	5.00	0.40	good	6.48	Design Complete Under Construction Est. Completion Q1 FY2023	\$337,410	\$52,069

Stormwater Management Water Quality Project Summary

Active water quality projects have been identified for action and allocated funds through the Capital Improvement Program (CIP). These projects are fully described in the Chesapeake Bay TMDL Action Plan, which can be found on the City of Portsmouth's Department of Engineering and Technical Services website: <https://www.portsmouthva.gov/2290/Documents-and-Guidance>. The Churchland Wet Swale project was completed in 2018. Design has been completed for Court Street Green Street and is currently under construction with an estimated completion in Q1 FY 2023. Beaton-Sykes Level I Wet Pond Retrofit project design is complete and is being re-advertised in December 2021 with estimated completion in Q1 FY 2023. The Green Lake #3 project is currently in design.