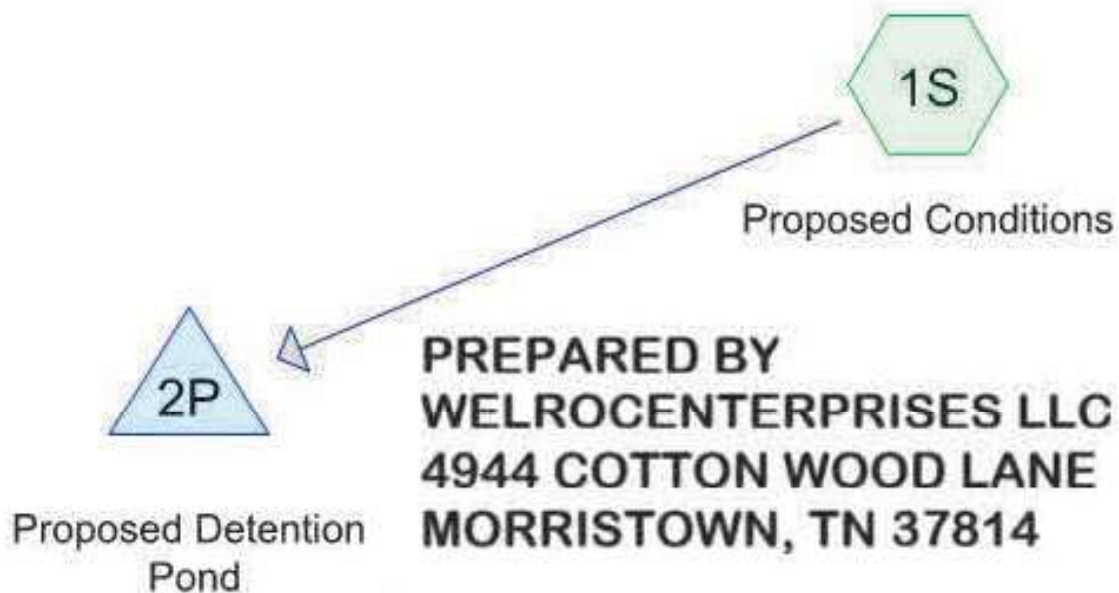


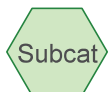
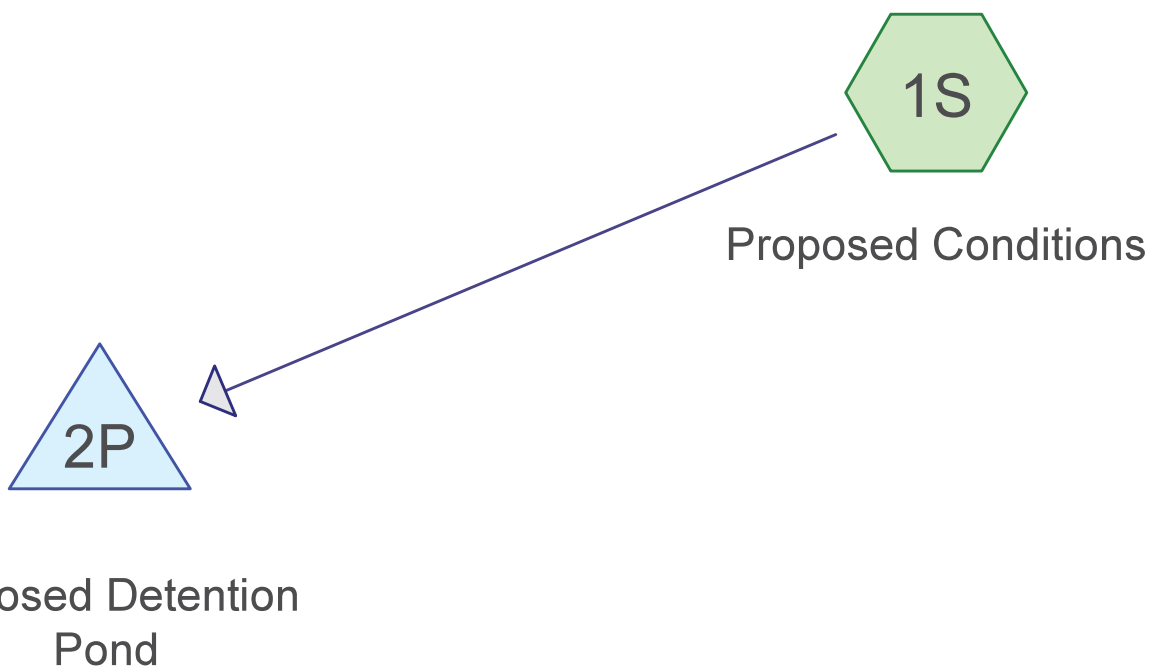
HYDRAULIC CALCULATIONS NORTH CHUCKY ROAD SELF-STORAGE FACILITY

DECEMBER 8, 2025



Routing Diagram for Proposed Storage Units on North Chucky Pike, in Jefferson City SWPPP Report Sept 2025

Prepared by Welrocenterprises LLC, Printed 12/8/2025
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Subcat



Reach



Pond



Link

Routing Diagram for Proposed Storage Units on North Chucky Pike, In Jefferson City SWPPP Report Sept 2025

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Executive Summary of Hydraulic Modeling of North Chucky Road

Self- Storage Facility

Prepared by Welrocenterprises LLC

December 11, 2025

The Proposed Self-Storage Facility on North Chucky Road is intended to provide a self-storage facility for the Jefferson City Area. It is intended to initially develop on this lot and will eventually expand to the lot to the North. However, this is not expected to occur for a long time, the detention pond on this site has been developed to serve this initial facility and will also serve the future development with the dredging of the appendage of this pond in a North-South direction. The pond has two inlets on both ends with a three-foot high forebay in each end to detain water for seventy-two hours and keep the first flush from flowing into any navigable waterways outside of the project. Furthermore, in the area before the outlet structure there is a 0.6-foot area that allows flow to build up before discharge to provide additional storage should it overcome the forebay areas. After review by local authorities, we placed junction box and pipe down towards the roadway ditch to ensure the storm water flows off and not into a neighboring residence.

The storm water events are depicted in the attached hydraulics and it's clear to see that the storm water is detained by this pond. Also, the entire Self-storage area will be enclosed with a six-feet fence to secure this site

If you have any questions, please advise me.