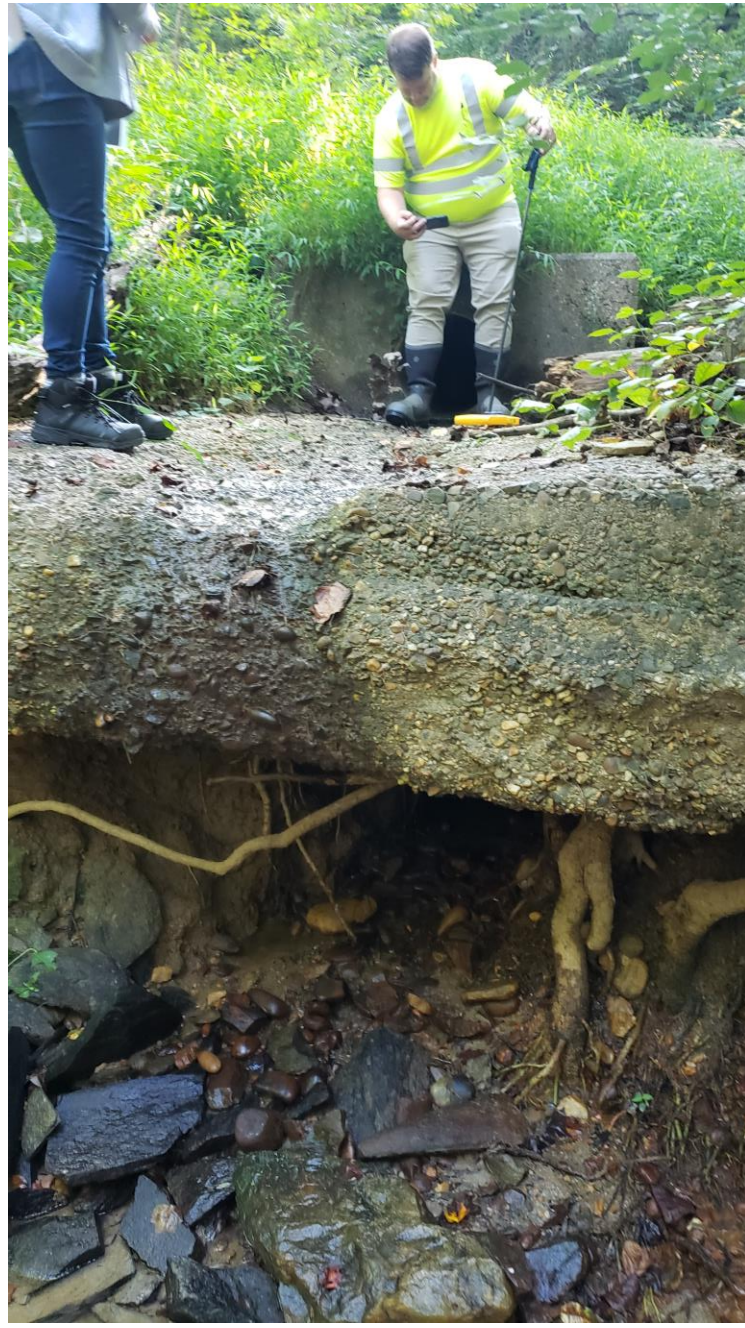


GULF BRANCH OUTFALL REPAIR

N Nelson St Outfall
Fall 2025 Engagement



January 2020 Erosion undermining endwall and concrete pad



August 2025 Continued erosion under concrete pad



August 2025: Water drips through a hole in the concrete pad, continuing to undermine the structure.



January 2020, View from upslope of the outfall toward Gulf Branch stream and 36th Rd N



August 2025, View from upslope of the outfall toward Gulf Branch stream



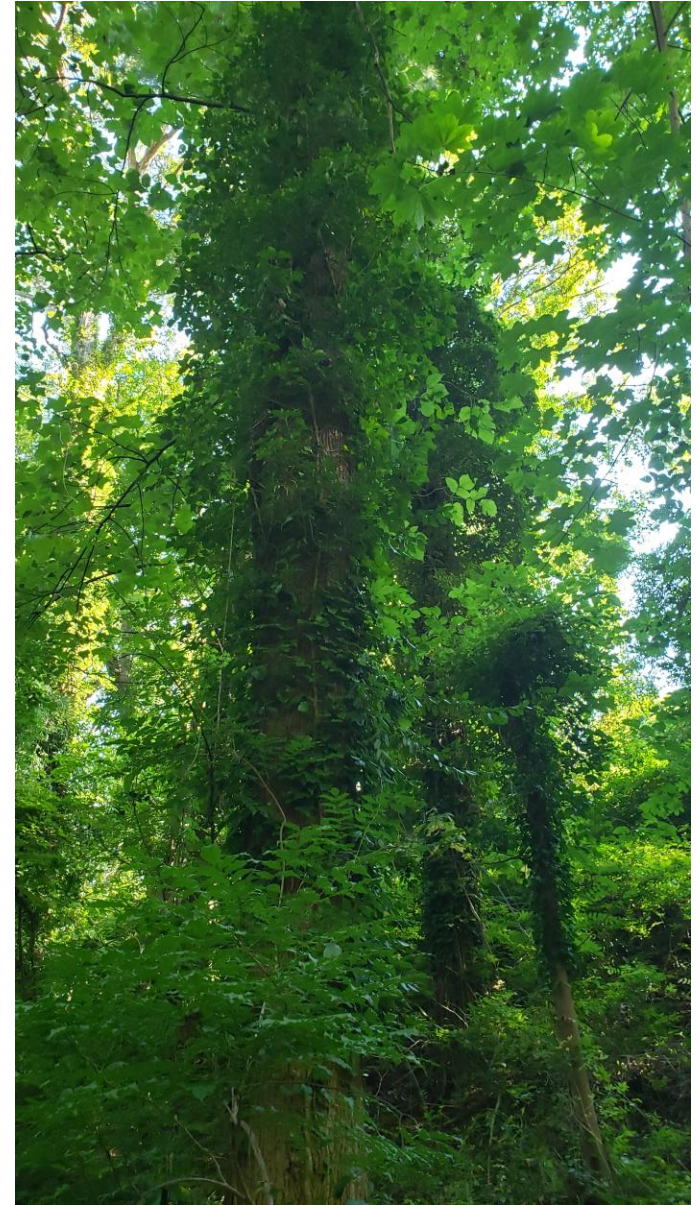
January 2020: Damaged storm pipe



August 2025: Beginning of channel erosion



English Ivy, Porcelainberry and other vines in area





Channel cutting deeper
just upslope of outfall
structure (headcutting)



Outfall Area Current Conditions, Goals & Considerations

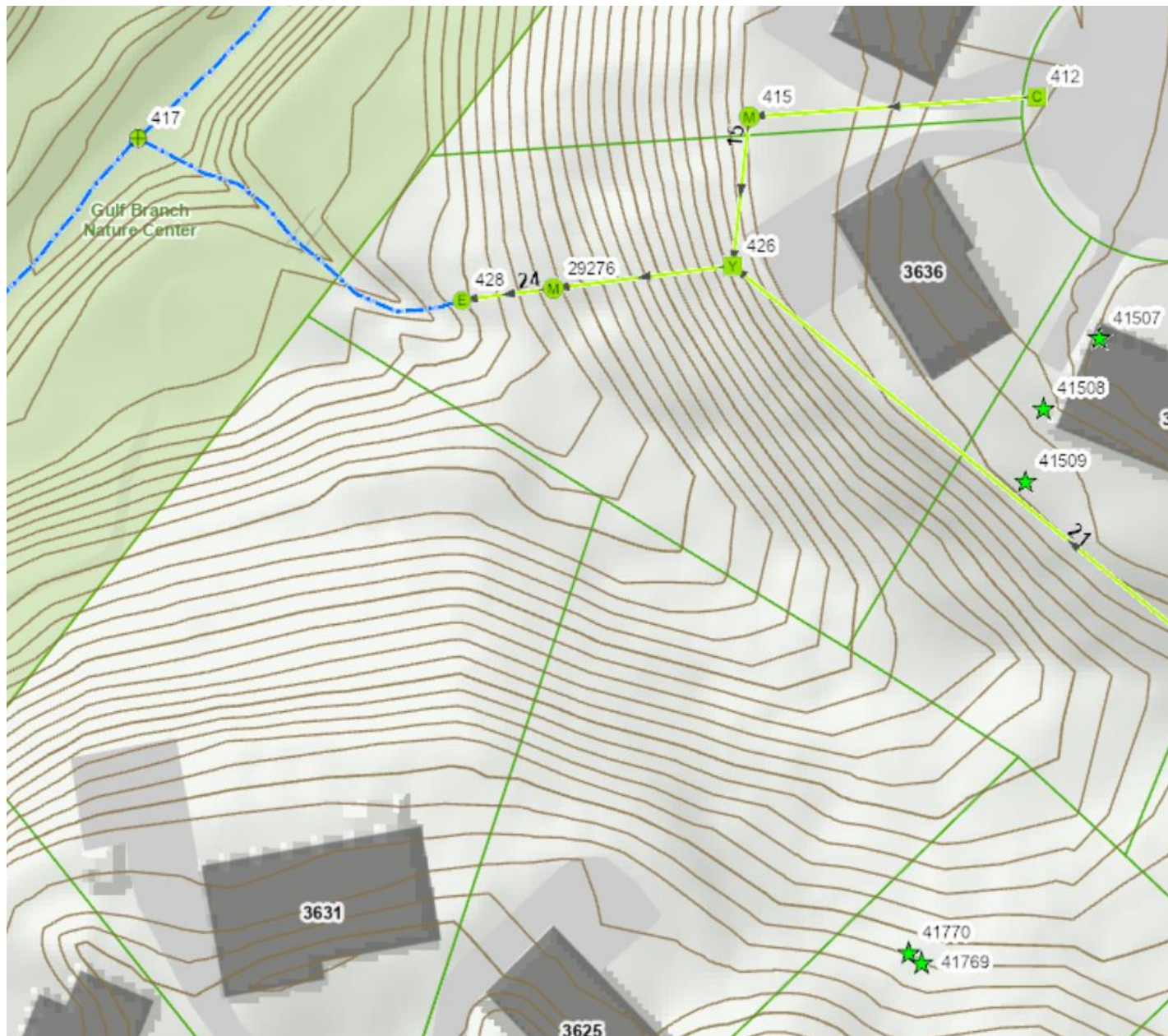
Current Conditions

- Actively eroding, damaged outfall
- Broken corrugated metal storm pipe
- Active erosion adjacent to storm pipe
- Concrete pad undermined, Water drips through hole
- Invasive English Ivy and Porcelainberry

Project Goals

- Create a stable outfall
- Maintain the storm infrastructure, repair erosion
- Remove invasive plants, add native plants
- Minimize impacts to the stream corridor

Site-specific project considerations include feasible access paths, the pedestrian bridge, protecting high-value habitat, and coordinating the approach with neighbors. Other thoughts?



Topo map of area with existing storm drain pipes

Next Steps

- On-site meeting with key neighbors
- Develop concept design options, share with neighbors to hear input

Questions? Contact:

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