

An aerial photograph of a suburban neighborhood. The foreground is dominated by a large, lush green field. In the middle ground, there are several large, multi-story houses with grey roofs and white walls, surrounded by mature trees. The background shows a dense residential area with many smaller houses and trees. The overall scene is bright and green, suggesting a well-maintained community.

FONT HILL TRIBUTARY
A SUBURBAN COMMUNITY
RESTORATION

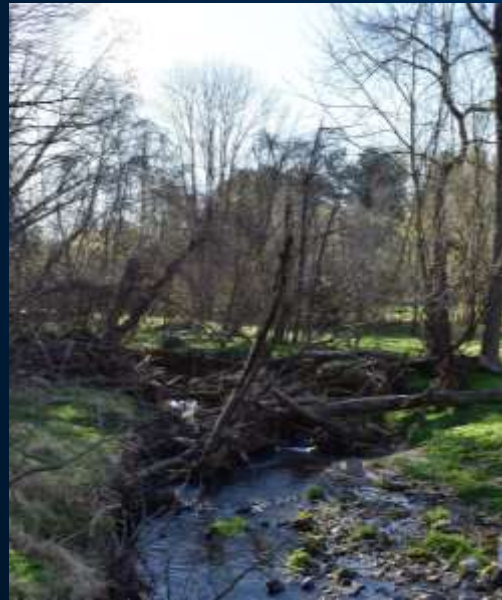
AUGUST 22, 2023

AGENDA

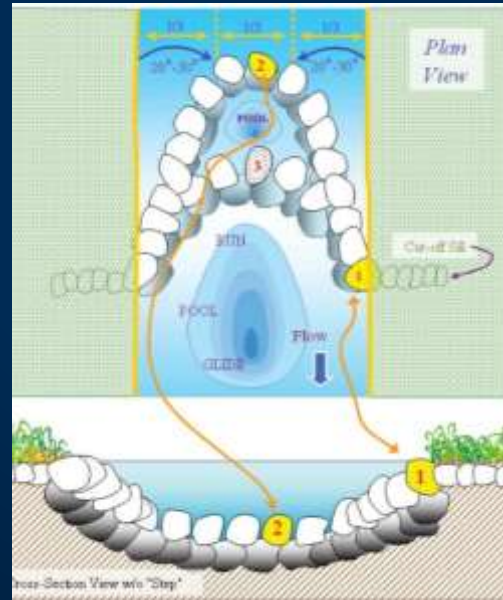
PROJECT
OVERVIEW &
OBJECTIVES



PRIOR SITE
CONDITIONS



OTHER
STRATEGIES



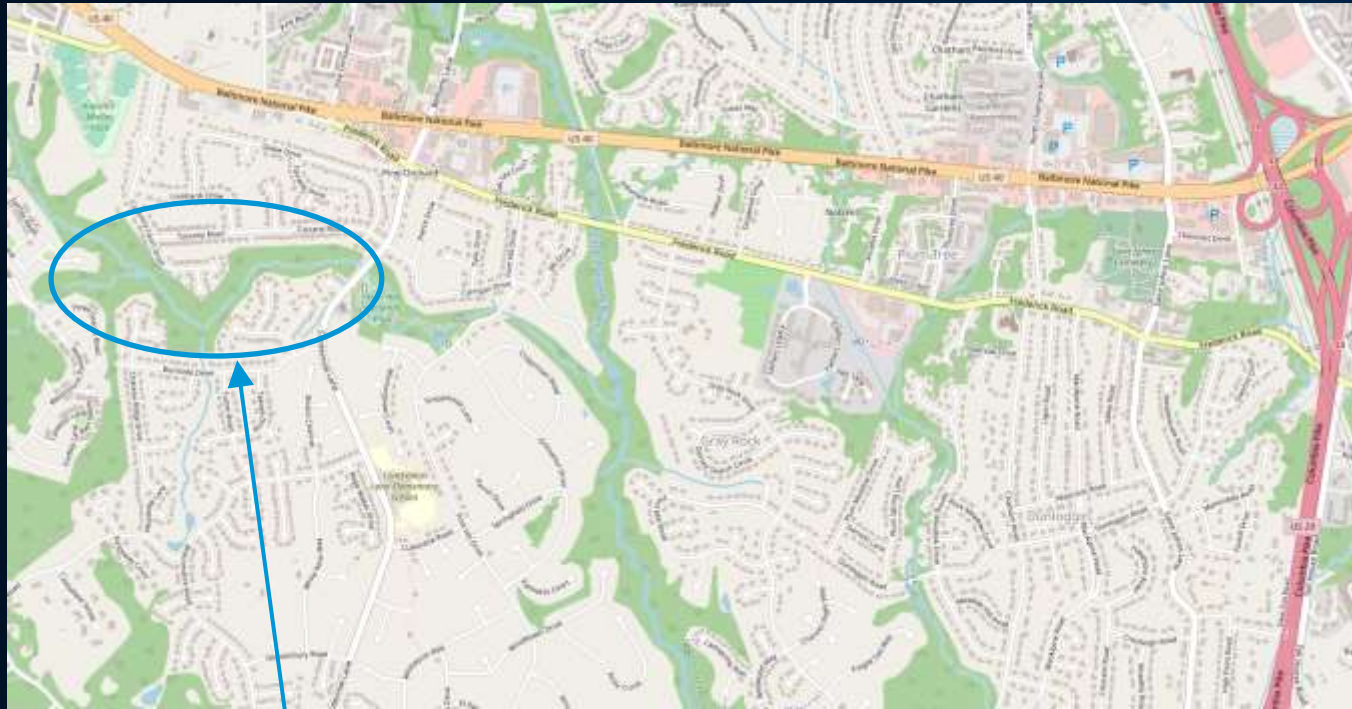
DESIGN OVERVIEW



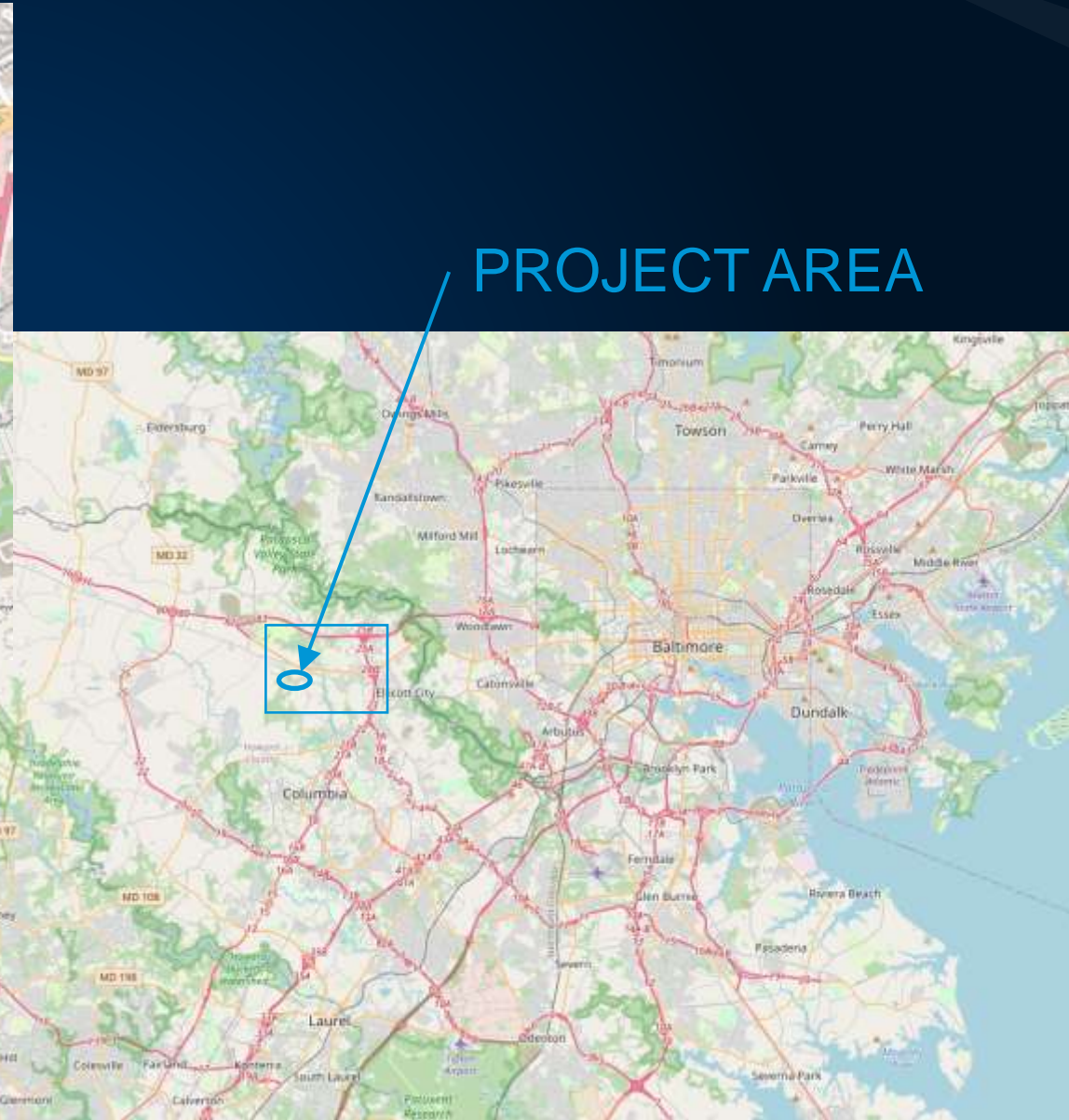
PROJECT SITE
PROGRESS



FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION



PROJECT AREA



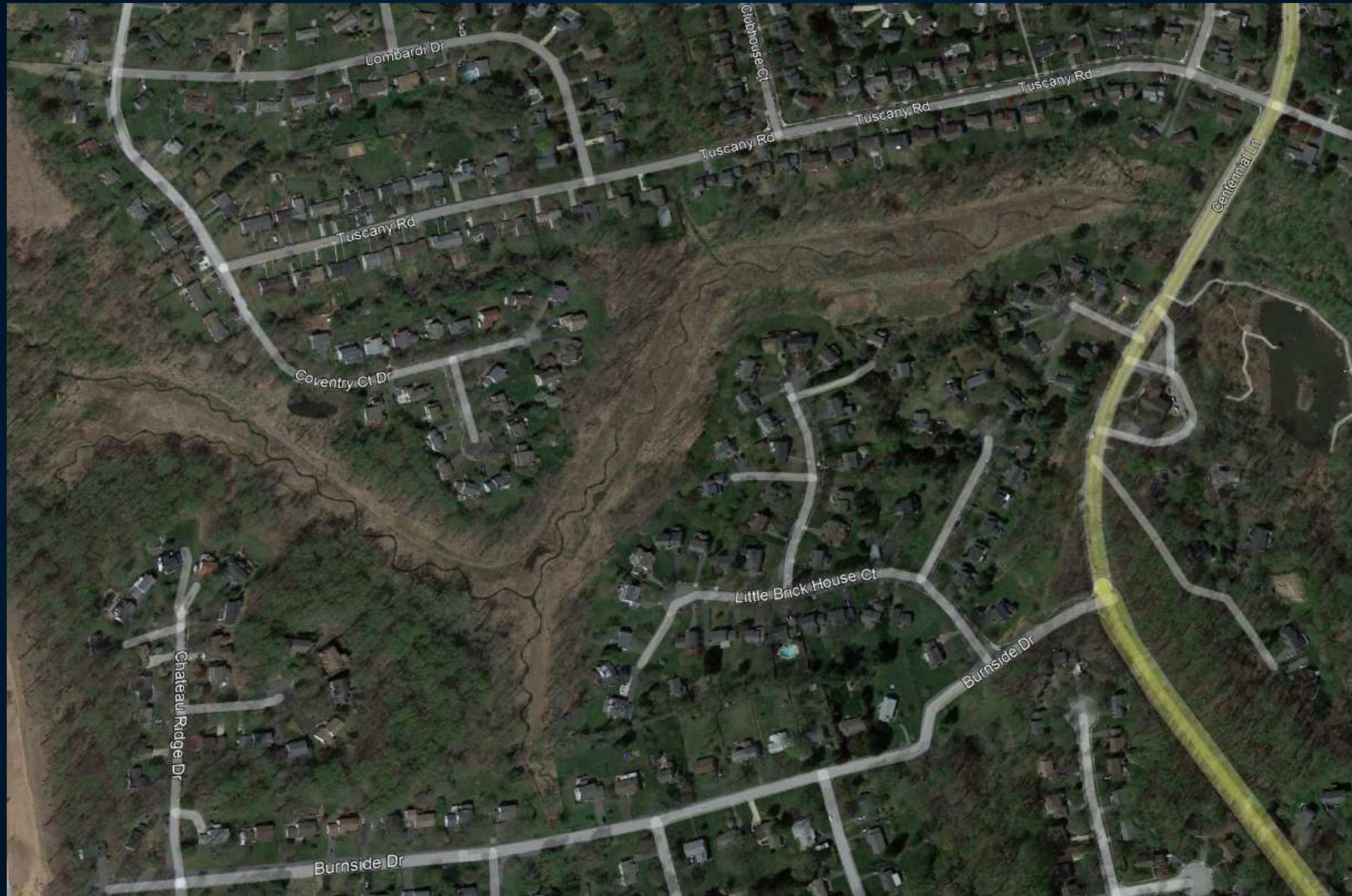
PROJECT AREA

PROJECT OVERVIEW & OBJECTIVES

FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION



FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION



PUBLIC MEETINGS

- 2 meetings held – 1st in Nov. 2017, 2nd in April 2018
- Tree Removal
- Stiltgrass
- Deer Population



FONT HILL STREAM DESIGN-BUILD RESTORATION –
CENTENNIAL LANE WEST
PUBLIC MEETING
APRIL 26, 2018



Welcome

Font Hill Stream Restoration Project Public Meeting

November 30, 2017



FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION

PRIOR CHANNEL CONDITIONS



PRIOR SITE CONDITIONS

PRIOR FOREST CONDITIONS



PRIOR SITE CONDITIONS

FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION

PRIOR FLOODING CONCERNS



PRIOR SITE CONDITIONS

FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION



PRIOR SITE CONDITIONS

FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION



PRIOR SITE CONDITIONS

FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION



OTHER STRATEGIES

FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION



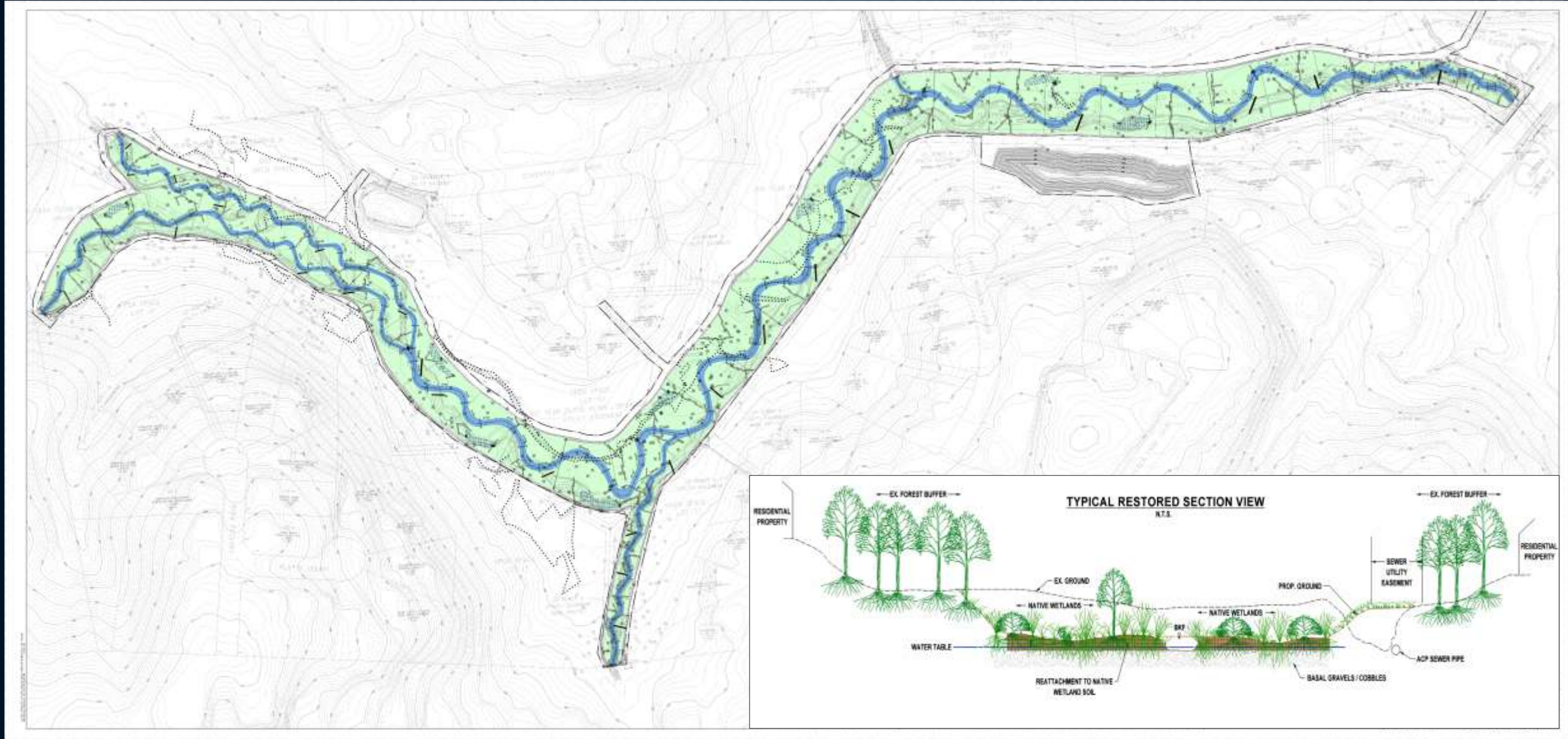
OTHER STRATEGIES

FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION



OTHER STRATEGIES

FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION



DESIGN OVERVIEW

FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION



DESIGN OVERVIEW

2023 National Stream Restoration Conference



FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION



PROJECT SITE PROGRESS

FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION



PROJECT SITE PROGRESS

2023 National Stream Restoration Conference



FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION 2020



PROJECT SITE PROGRESS

FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION 2021




PROJECT SITE PROGRESS


2023 National Stream Restoration Conference



FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION 2022




All channel stabilization techniques were found to be in good condition during the Year 1 (As-Built) assessment. Bed stabilization structures are functioning well to provide bedform diversity and transition grade in a stable manner. Live fascines are vegetating well within and around structure margins, providing added stability. Vernal pool features, broader areas of the floodplain out of the immediate belt width of the channel, are creating additional open water habitat and adding to the diversity of the floodplain environment. Floodplain log sills are providing immediate stability and are creating varied hydrology, topography and habitat features throughout the floodplain area. Floodplain enhancement benches are well vegetated and fine sediment deposits were observed throughout the benches, indicating that floodplain benches are promoting energy dissipation during large storm events.



Most areas of lateral bank migration are likely due to initial channel adjustment before the site was fully vegetated and are relatively minor in extent and scale. Areas of bank instability noted are not expected to spread significantly or impact the stability of surrounding restoration structures.

5.0 CONCLUSION



The Year 1 monitoring assessment performed along the Font Hill Tributary project site indicated a high level of bed and bank stability, and a moderate level of riparian buffer health. Additional benefits observed include improved diversity in habitat and increased floodplain access. As of Year 1, this project meets permit goals related to maintaining the as-built integrity of the project; however, the riparian area is below the minimum 85% aerial coverage. Vegetation establishment is anticipated to exceed the minimum 85% aerial coverage as the site establishes and matures.

FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION

2023



PROJECT SITE PROGRESS

FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION

2023



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FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION

2023



PROJECT SITE PROGRESS

2023 National Stream Restoration Conference



FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION

2023



PROJECT SITE PROGRESS

FONT HILL TRIBUTARY - A SUBURBAN COMMUNITY RESTORATION

2023



PROJECT SITE PROGRESS

2023 National Stream Restoration Conference

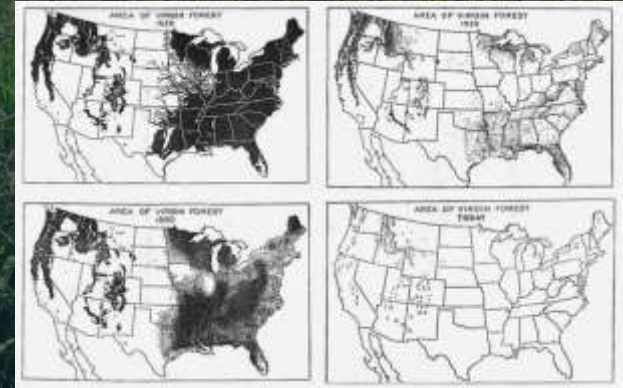
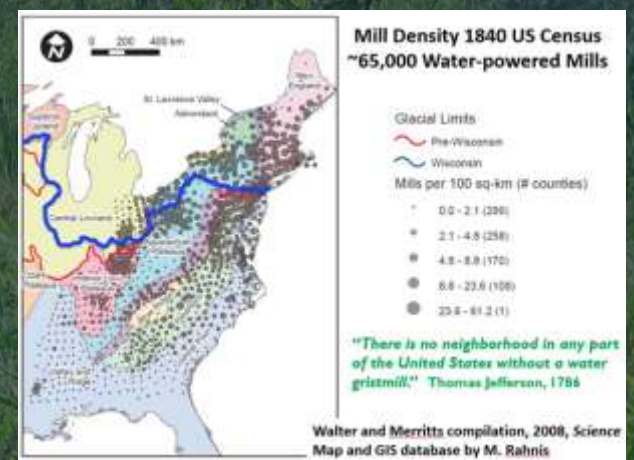


restore /ri'stôr/

World English Dictionary

— vb

1. to return something or someone, to an original or former condition.





THANK YOU

