

Pinehurst Stream & Wetland Restoration Environmental Assessment and Design



Project Scope

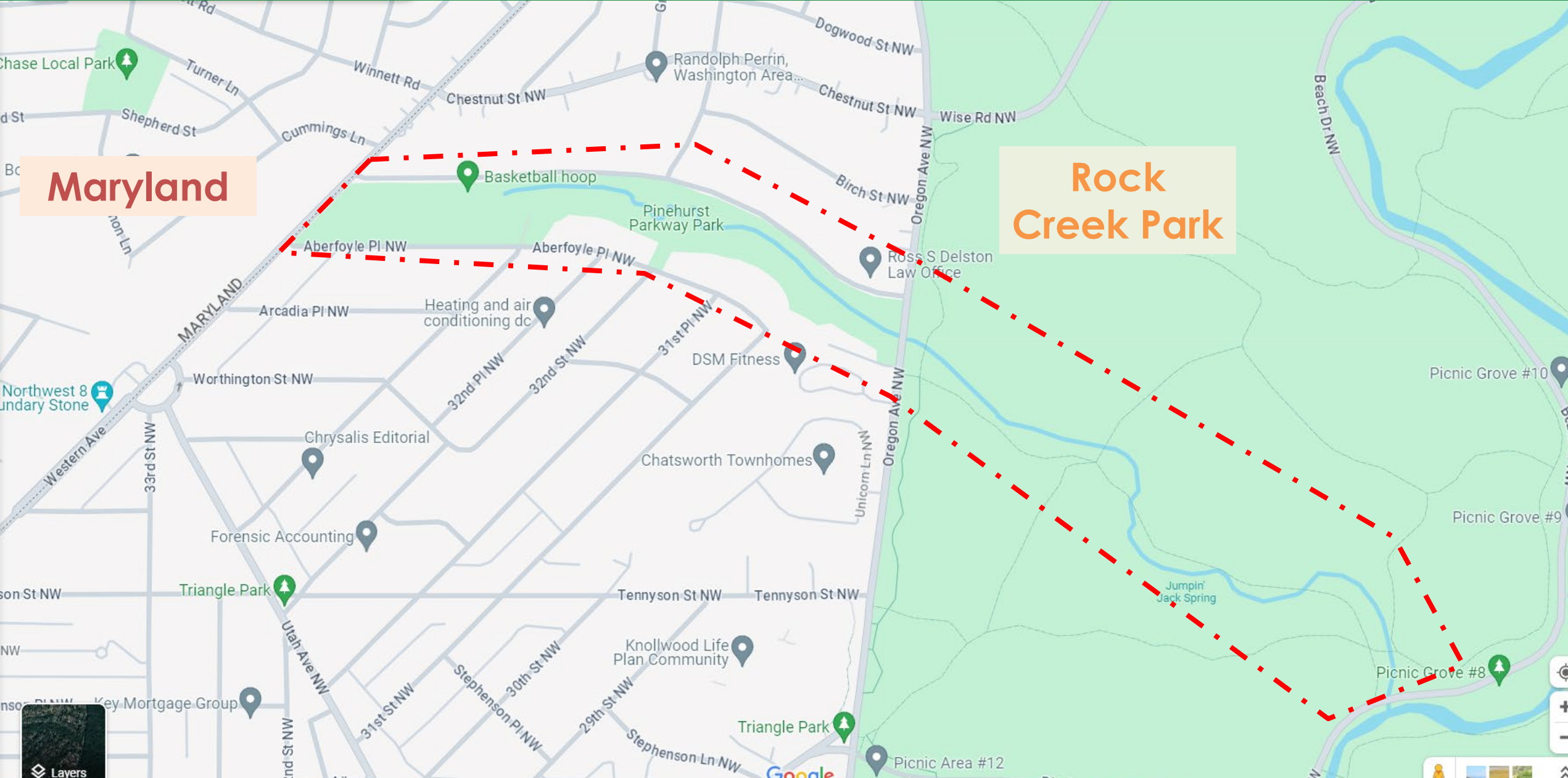
This project will restore approximately ~8,000 linear feet of stream.

The Pinehurst branch emerges from an 84" storm pipe at the District boundary. The stream is almost entirely piped through Montgomery County, MD.

The stream then travels through the narrow Pinehurst Park corridor before entering Rock Creek Park where it heads to the convergence with the mainstem of Rock Creek.



Project Location



Maryland

Rock
Creek Park

Project Goals and Objectives

- Minimize erosion, sedimentation, and sediment transport downstream;
- Restore and enhance conditions suitable for wildlife habitat;
- Provide conditions suitable for new wetland creation, improve the condition and functions of existing wetlands while ensuring no loss of existing functions, and promote, through design and wherever possible, the restoration of historic wetlands;
- Manage non-native invasive vegetation within the Project Area to promote the long-term resiliency of the riparian corridor;
- Protect existing and vulnerable infrastructure within the Project Area;
- Reduce flows and forces within the stream system during storm events;
- Increase baseflow and recharge groundwater where possible;
- Restore and promote frequent floodplain interaction to improve natural processing of stream and storm flows.



Sewer Work

- Protection of ~ 200 LF of exposed sanitary sewer assets
- Protection of ~ 60 LF of exposed sanitary sewer assets and removal of ~ 30 LF of abandoned storm utility
- Protection of ~ 50 LF of exposed sanitary sewer pipe
- Abandonment of ~ 3,500 LF of sanitary sewer pipe between Oregon Ave NW and Beach Dr NW per DC water standards and specifications
- Abandonment of 8 associated manholes per DC water standards and specifications



Wetlands!

- Ample opportunity to restore/rehab historic wetlands
- Floodplain reconnection for flow attenuation and habitat enhancement
- Different types of wetlands necessitate different design approaches for enhancement



Considerations

- National Park Service property
- Existing tree canopy
- Lateral confinement in upper portion of project area
- Private encroachment
- Considerable invasive plant community
- RCP unique user community

