



GREEN STREETS | GREEN JOBS | GREEN TOWNS INITIATIVE

The Green Streets, Green Jobs, Green Towns Partnership (G3) aims to stimulate the green jobs market and enable families to work where they live and play. Small to mid-sized communities can boost their local economies and protect water resources through the use of watershed planning, design and construction of stormwater best management practices.

NEIGHBORHOOD DESIGN CENTER

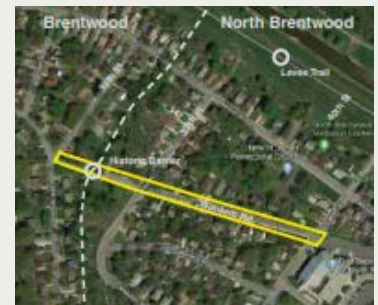
Conceptual Plan for Windom Road Green Street

By virtue of its low-lying location near the Anacostia River, the North Brentwood neighborhood has experienced decades of flooding. Levees along the Anacostia control the worst of the flooding, but the homes and streets still suffer from excess stormwater during and after storms.

During 2017-18, NDC led an 18-month long community design process focused on cultural placemaking solutions at and around the project site. The green street project complemented the work already undertaken and built on the trust and relationships already developed over years of co-design.


Through this project, the Neighborhood Design Center (NDC) developed a Green Complete Street concept design for a street in the towns of North Brentwood and Brentwood. The Green Street design was co-created with community members through a robust engagement process, modified due to the pandemic, that included in-field identification of stormwater and transportation issues by citizen-experts and group vetted solutions such as streetside bio-retention, tree boxes, pervious paving &/or pervious curbs. The project evolved from many years of discussion between the two towns, and with residents, focused on how to address a physical barrier across Windom Road (installed in 1953), marking the towns' boundary, as well as ongoing stormwater issues.

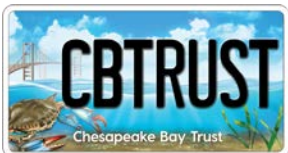
The concept design includes plans for the Windom Road Green Street to have signage that tells the story of how water gets to the river, and how the project is working to make the street runoff cleaner. Windom Road will be part of a pedestrian and cycling network that connects people to the Anacostia River Trail and the larger system of trails including the Rhode Island Trolley Trail through Hyattsville.



 2 design plans created

 2 workshops with 31 attendees

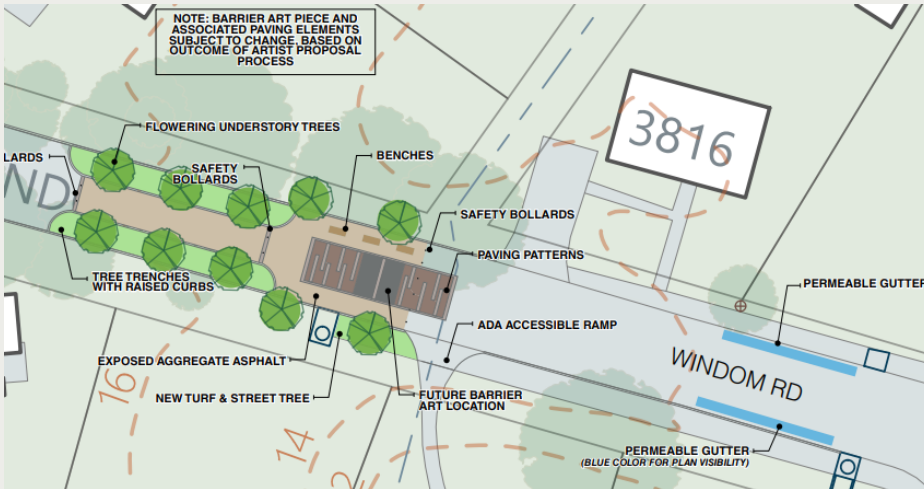
 20 local green jobs supported during construction



the
Neighborhood
DesignCenter

PROJECT ELEMENTS

- **Concept plan** – This concept plan (see pictures for some details) included recommendations for trees and permeable gutters, native plantings, and benches for public use.
- **Permeable paving** – This alternative to traditional black top allows surface water to flow into the ground where the volume can be held, infiltrate into the lower soil or conveyed through a stormwater system. Porous paving is a good application for areas that require a hardscape surface and have no viable options for stormwater management. There are various applications and styles making porous asphalt a good aesthetic option as well as functional.
- **Tree planting** – Native trees and shrubs require less maintenance and absorb rainwater, hold soils in place, and provide food and habitat for birds, pollinators, and other wildlife.
- **Native plants** – Native plants offer numerous benefits. Because native plants are adapted to local environmental conditions, they require far less water. They provide vital habitats for birds, insects and other species of wildlife, prevent water run-off, and improve air quality.
- **Engagement of local community** – The NDC reached out to the local community for project feedback and ideas for the street via workshops and flyers.



Year Awarded: 2019
Award Amount: \$15,000
Match Amount: \$20,000

METRICS (Anticipated, once project is installed)

NEW TREES ADDED: 19
IMPERVIOUS AREA TREATED: 46,800 SQ FT
IMPERVIOUS SURFACE REMOVED: 2,130 SQ FT
TOTAL BIORETENTION/RAIN GARDENS: 900 SQ FT
TOTAL AREA OF PERMEABLE GUTTER: 1,330 SQ FT
STORMWATER RUNOFF TO BE MANAGED: 328 CU FT
STORMWATER CAPACITY - BIORETENTION: 225 CU FT
STORMWATER CAPACITY - PERMEABLE GUTTER: 1,165 CU FT



Community outreach materials

Please tell us what you think!

Comfort
How do you feel walking down the street today? How about when it is hot, or wet?

Safety
How do you currently travel down the street? Walk, Cycle, or Drive? Are there any barriers or safety concerns?

Water
Have you noticed standing water after it rains? Have you experienced any flooding in the neighborhood?

Place
How do you know you have arrived in the neighborhood? What is your favorite place to go? What is special about Windom Road?

Please record your observations on the map.



Windom Road Green Street

A stretch of Windom Road between 39th Street and 40th Street, including the Windom Road barrier, is planned as a Green Street. Green Streets are designed to improve environmental health, neighborhood identity, walkability, and overall quality of life. They may include street trees, stormwater planters, and sidewalk improvements. The section of Windom Road near the barrier will be the home of a new public art piece and will remain closed to vehicle traffic.

Making the street more pedestrian-friendly

The Windom Road Green Street is being planned to be more walkable. Street trees will help slow traffic and create a comfortable, shaded environment for pedestrians. Improved sidewalks and curb cuts will help make the street safer and more accessible for everyone.

Connecting to the River

The Windom Road Green Street project is partly funded by the Chesapeake Bay Trust for the purpose of improving water quality of the Bay and the Anacostia River. Water connects us to the river even when it's been placed underground and we can't see it. The Windom Road Green Street will have signage that tells the story of how water gets to the river, and how the project is working to make the street runoff cleaner.

The Benefits of a Green Street Like Yours



SUSTAINABILITY & GROWTH

The Town of North Brentwood has used this concept design to advance future phases of the project, including an engineering design for the street and funding for implementation. The Town Mayor of North Brentwood notes that this concept plan provides a critical piece to support the Town of North Brentwood’s funding requests to the Maryland and Prince George’s County. At this grant’s completion, the Town applied for funds to complete the engineering design for the project, as well as implementation funds requests totaling over \$500,000. This plan provided the vision for the Green Street and a preliminary stormwater budget for the green infrastructure components that was sufficient to move the project forward.

Initial community engagement conducted during 2019-2020 created momentum for the project. The project team encountered several residents during a subsequent walk through the neighborhood who wanted to learn more about the green street and how it could help to slow flooding in their neighborhood. This project interest is likely to continue as the engineering design is created and the project implemented.

Project Partners: Chesapeake Bay Trust, Neighborhood Design Center, Town of North Brentwood, U.S. Environmental Protection Agency

For additional information: visit epa.gov and cbtrust.org