North Canal Street design creates a vibrant outdoor space that prioritizes the people of Sharpsburg, while retaining the neighborhoods rich and unique past. In limiting the space to pedestrian traffic, the design turns North Canal Street into a catalyst for a vibrant community. In accomplishing this broad objective consideration was given to the following:

- Street Accessibility
- Eco-Revelatory Stormwater Design
- Facade Restoration
- Protecting Community Interests

North Canal Street is located in the heart of Sharpsburg. Creating a pedestrian oriented street is essential to strengthening the community. Breweries, Parks and a riverway access are within walking distance to our site. The redesign of North Canal Street creates a destination.

Walking Distance

Site Context

Reimagining Building Facades

Existing Concerns

Building Vacancy

Vehicular Presence
By taking a holistic approach, this design integrates the history and the needs of all of the users. To ensure that people occupy the whole street, anchor points have been created to encourage the pedestrian flow. The shape of these anchor points have been formed by the meandering emergency vehicle path. A revelatory stormwater trench drain is the spine of this path. This Meandering stormwater strategy emulates and pays homage to its namesake, the historic canal that once flowed on this street.
Prioritizing the Pedestrian

- Anchor Points
- Food Truck Area
- Market Spot / Grocery Store
- Rooftop Stormwater Design

Frontage Zone 6'
Emergency Zone 10'
Furniture Zone 10'

NORTH CANAL STREET
Green roofs, walls, and trench drains serve as a revelatory design. Along with social gathering, is the celebration of natural processes. Making natural cycles visible to the designed environment is essential to creating a space that is truly alive.

This is the stormwater rooftop. It uses green roofs and walls to help control stormwater runoff and retention. The plants help filtrate any contaminants out of the water before it reaches the sewage system.

The stormwater from the green roof and wall is then collected in a cistern. The water from this cistern can be used to water the street trees and plants. One of the main reasons of street tree death is lack of water. Since the cistern is on the rooftop, gravity will allow the water to be used as an asset to the rest of the site.

**Trench Drain Plants**

- **Annual Meadowgrass**
  *Poa annua*
- **Creek Sedge**
  *Carex amphibola*
NORTH CANAL STREET
Prioritizing the Pedestrian

Materials and Plants

- **European Hornbeam**
  
  *Carpinus betulus*

- **Broad Leaved Lime Tree**
  
  *Tilia platyphyllos*

- **Black Eyed Susan**
  
  *Rudbeckia hirta*

- **Red Osier Dogwood**
  
  *Cornus sericea*

- **Purple Coneflower**
  
  *Echinacea*

- **Black Mounted Light Post**

- **Dragons Blood Sedum**
  
  *Sedum spurium*

- **Variegated Sedum**
  
  *Sedum spurium ‘Tricolor’*

- **Green Wall/Roof Plants**

- **Elijah Blue Fescue**
  
  *Festuca glauca*

- **Polymer Cement Surfacing for Crosswalks**

- **Permeable Paving for Stormwater**

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Much of Sharpsburg’s character comes from the architectural language of the buildings throughout the community. To strengthen Sharpsburg’s unique identity, preserving and improving the buildings on north canal street is essential.

This design aims to restore facades with some modern elements while keeping intact the integrity of the past. North Canal street has some low-height buildings that allow for the perfect opportunity for rooftop spaces creating this concept of vertical interaction.

Using the historic facades already on the street, we can apply this language to facade conditions that don’t fit in. Enhancing a cohesive language of the buildings creates the concept of horizontal cadence and creates a memorable experience for the pedestrian and strengthens the community’s identity.
Prioritizing the Pedestrian

A Street That Supports Community Events

The food truck area is located right next to Bonaventura Way. This allows the food trucks to have direct access to their set-up spot. Bonaventura way will be painted with a bright mural to make the alleyway brightened and lively.

The open street market allows vendors from all over Pittsburgh to set up their own booth. This open street market is located right in front of the newly proposed grocery store.

The stage that is being shown is a portable stage. The flush curbs on the site allows for setting up a stage anywhere on site an easy task. The mural in the back is painted by a local artist and creates a beautiful backdrop for the performances.
NORTH CANAL STREET
Prioritizing the Pedestrian
Thank you to Sharpsburg’s Community and Partners