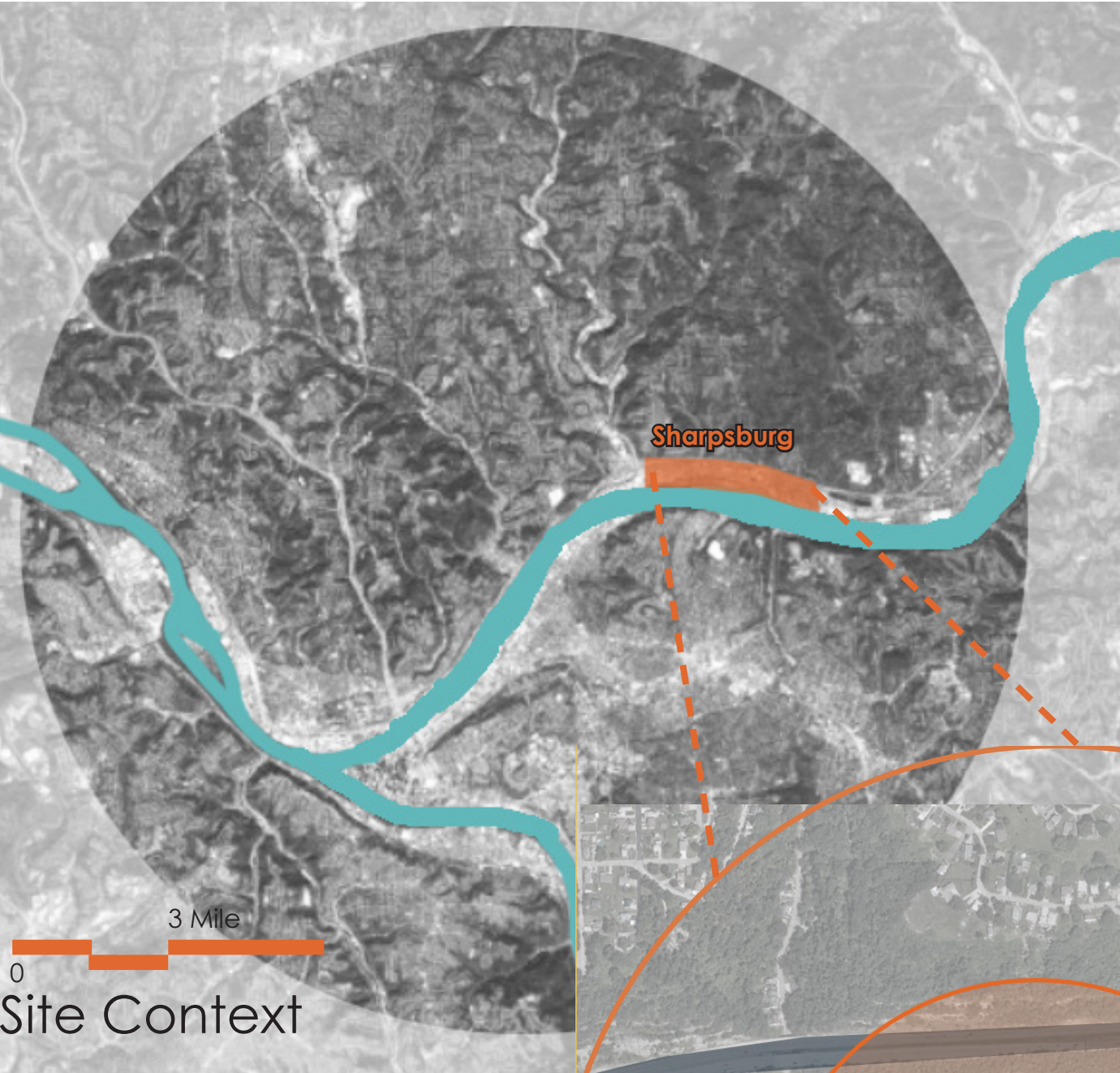


# NORTH CANAL STREET

## Prioritizing the Pedestrian

Anya Bielawa  
LArch 414 Pittsburgh Studio  
Department of Landscape  
Architecture  
Spring 2021



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 Stomwater 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



Reimagining Building Facades



Building Vacancy



Vehicular Presence

### Existing Concerns



# NORTH CANAL STREET

## Prioritizing the Pedestrian

Anya Bielawa  
LArch 414 Pittsburgh Studio  
Department of Landscape  
Architecture  
Spring 2021

### A Holistic Design Concept

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.





# NORTH CANAL STREET

## Prioritizing the Pedestrian

Anya Bielawa  
LArch 414 Pittsburgh Studio  
Department of Landscape Architecture  
Spring 2021



a. Anchor Points.      b. Food Truck Area      c. Market Spot/ Grocery Store      d. Rooftop Stormwater Design



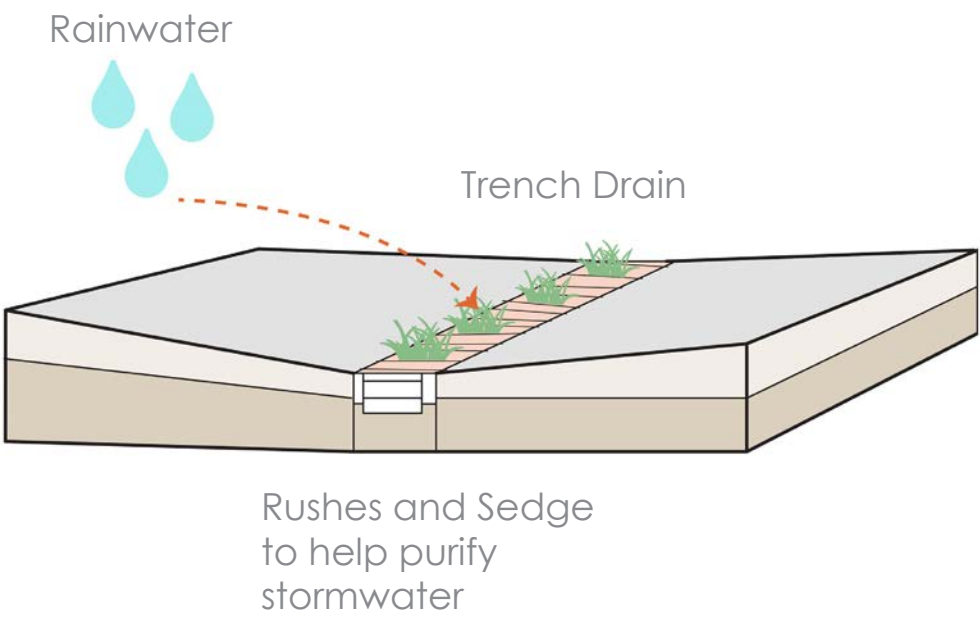
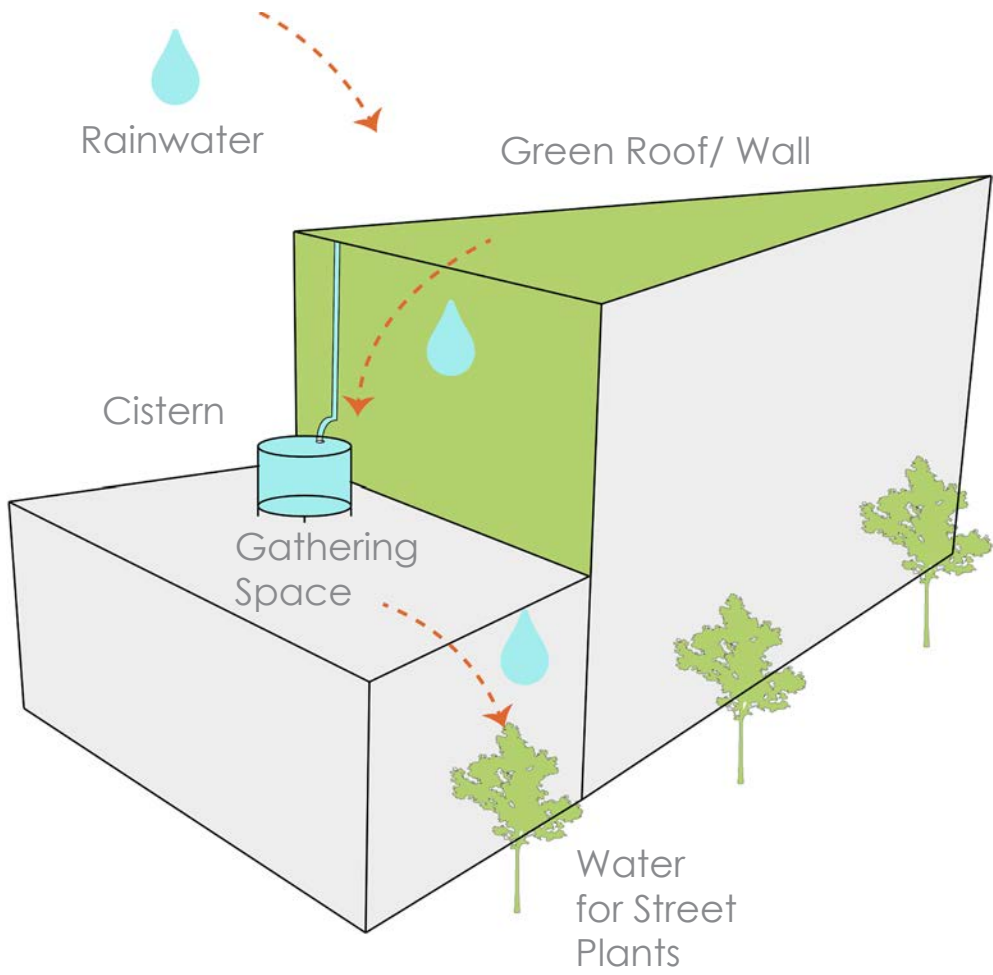


# NORTH CANAL STREET

## Prioritizing the Pedestrian

Anya Bielawa  
LArch 414 Pittsburgh Studio  
Department of Landscape Architecture  
Spring 2021

### Eco- Relevatory Stormwater Design Concept Diagrams



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.

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.

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

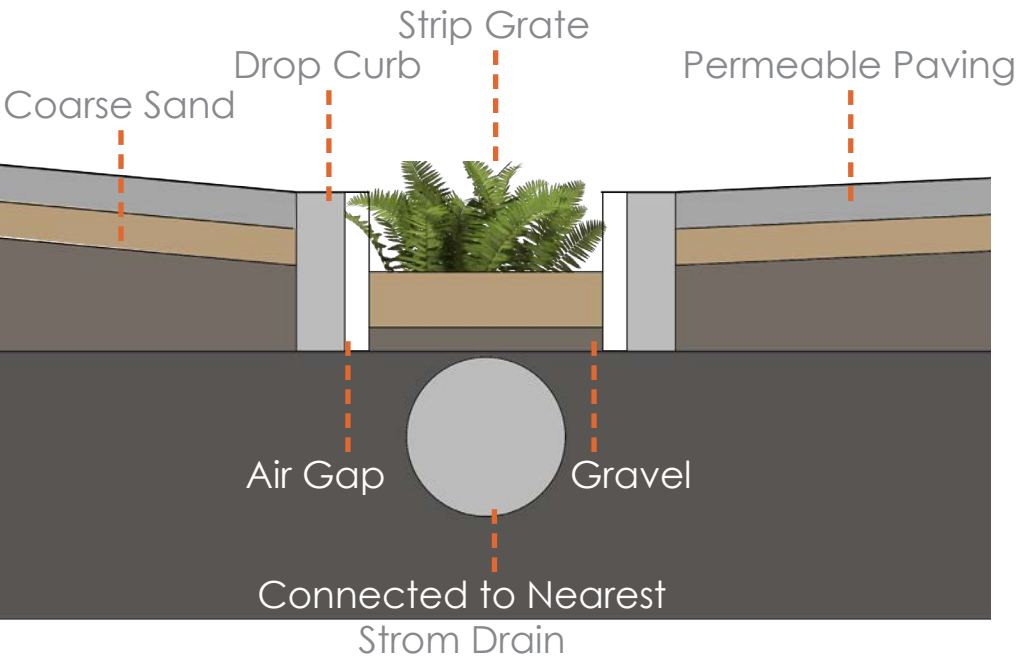
#### Trench Drain Plants



**Annual Meadowgrass**  
*Poa annua*



**Creek Sedge**  
*Carex amphibola*





# NORTH CANAL STREET

## Prioritizing the Pedestrian

Anya Bielawa  
LArch 414 Pittsburgh Studio  
Department of Landscape  
Architecture  
Spring 2021

### Materials and Plants



#### Street Plants



**EUROPEAN HORNBEAM**  
*Carpinus betulus*



**BROAD LEAVED LIME TREE**  
*Tilia platyphyllos*



**Black Eyed Susan**  
*Rudbeckia hinta*



**Red Osier Dogwood**  
*Cornus serica*



**Purple Coneflower**  
*Echinacea*



**Elijah Blue Fescue**  
*Festuca glauca*

#### Green Wall/Roof Plants



**Dragons Blood Sedum**  
*Sedum spurium*



**Variegated Sedum**  
*Sedum spurium*  
'Tricolor'



**Permeable Paving for Stormwater**



**Polymer Cement Surfacing for Crosswalks**



**Black Mounted Light Post**



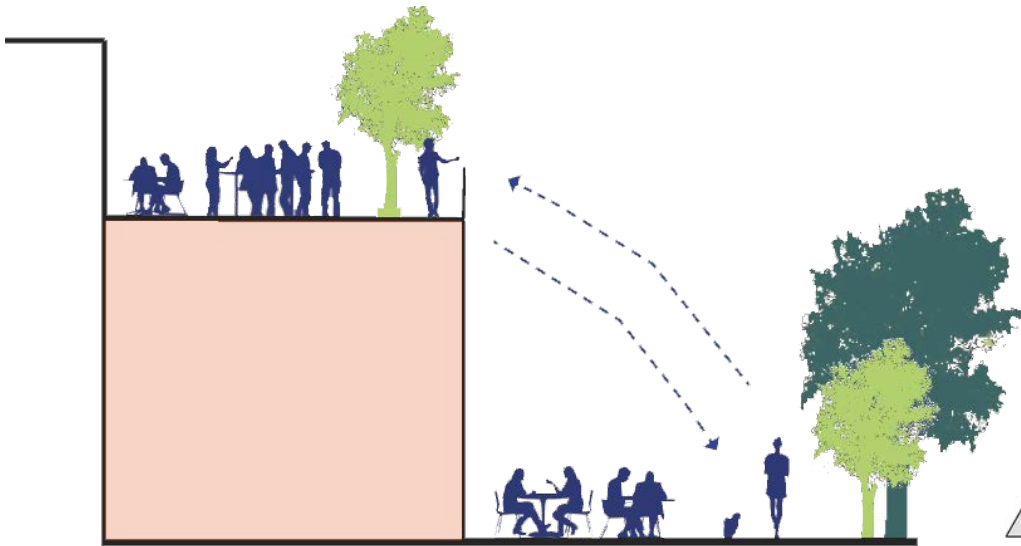
# NORTH CANAL STREET

## Prioritizing the Pedestrian

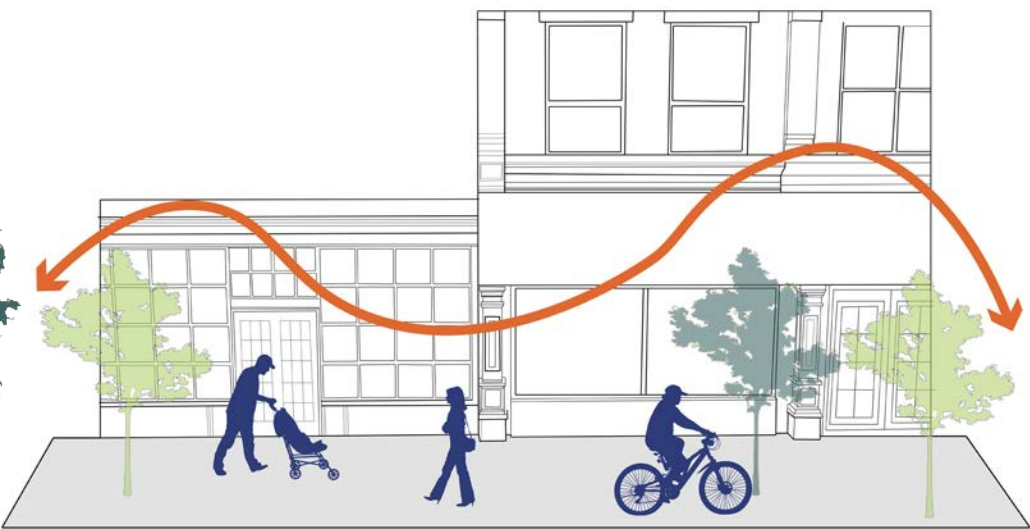
Anya Bielawa  
LArch 414 Pittsburgh Studio  
Department of Landscape  
Architecture  
Spring 2021

### Facade Restoration

Vertical Interactions



Horizontal Cadence



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.

### Land Use



North Side of Street



South Side of Street

- Residential
- Restaurant
- Business
- Vacant

### Facade Restoration



Before- Vacant Storefronts



Beautiful Character of Buildings on Site



After- Proposed Grocery Store And Cafe With A Rooftop Deck



# NORTH CANAL STREET

## Prioritizing the Pedestrian

Anya Bielawa  
LArch 414 Pittsburgh Studio  
Department of Landscape  
Architecture  
Spring 2021

### A Street That Supports Community Events



Food Truck Area

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.



Open Market Area in Front of Grocery Store

This 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.



Performance Area

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

