

ART HOUSE GREEN CAMPUS

[2023]

The Art House Green Campus project was completed in 2023 with great success. In addition to its role in capturing, detaining, and filtering stormwater runoff, the project is providing an attractive and functional greenspace to the Art House property. See photo below and interpretive signage on next page.

Art House Executive Director Laila Voss recently noted that “The results of Green Infrastructure project were transformative—not just for the Art House property, but for Denison Avenue as well. The two city lots are no longer in a blank, passive state. Rather they have become a place full of life and color, a frontage that welcomes passersby and participants to our programs and events. The

GIG is helping Art House, Inc. to fully realize a long-standing vision—the Creative Garden: an active outdoor classroom, a space for gatherings, and a beautiful respite for the community.”

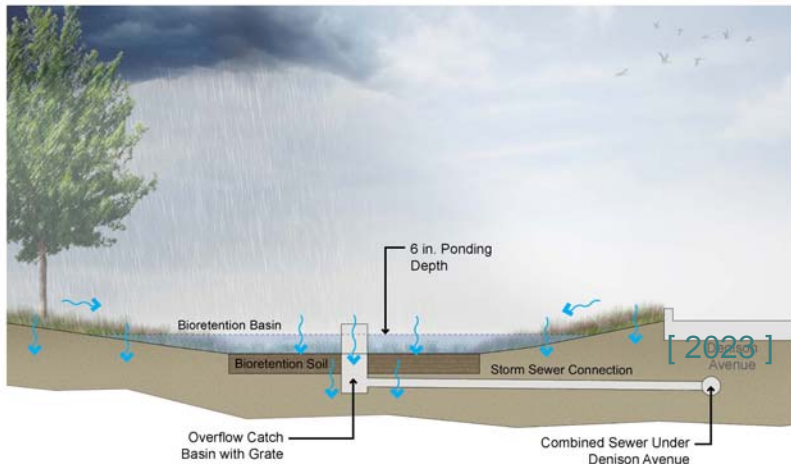
The project was funded through the Northeast Ohio Regional Sewer District’s Green Infrastructure Grant (GIG) Program. The program funds green infrastructure projects that remove stormwater runoff from the District’s combined sewer service area. Additional funding is being secured by Art House to enhance the project with amenities including artwork, fencing, and lighting. We plan to report later this year on other GIG projects that are in the pipeline for funding and implementation in 2025.

*Art House Green Campus,
3119 Denison Ave., Cleveland,
with one of two bioretention
basins shown in foreground
– June 2023*



ART HOUSE, INC. GREEN INFRASTRUCTURE GARDEN

FEATURES OF A BIORETENTION BASIN



CAN YOU IDENTIFY THESE PLANTS THAT ARE IN THE BIORETENTION AREA?



Asclepias tuberosa 'Hello Yellow'
Hello Yellow Butterfly Weed



Echinacea 'Prima Ginger'
Prima Ginger Coneflower



Iris sibirica 'Caesar's Brother'
Caesar's Brother Siberian Iris



Santolina ericoides
Lavender Cotton

WHY IS GREEN INFRASTRUCTURE IMPORTANT?

Green infrastructure is a range of stormwater control measures that use plant/soil systems, permeable pavements, or stormwater harvesting to capture, store, and treat stormwater runoff. This project demonstrates how Green Infrastructure stormwater control measures like bioretention and permeable pavement might be incorporated into other public and private properties to better manage stormwater runoff. Permeable pavement systems consist of a permeable pavement surface layer and one or more underlying gravel layers designed to temporarily store and infiltrate stormwater.

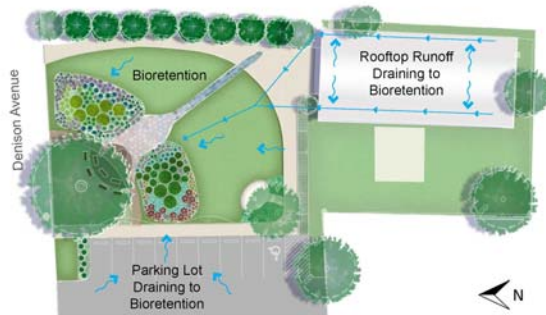
WHAT IS BIORETENTION?

Bioretention areas are stormwater cells or basins that use soil, mulch, and vegetation as a natural filtration device to remove pollutants and nutrients from stormwater runoff. This bioretention area improves water quality by utilizing bioretention soil which is a specialized planting soil with a higher sand content that supports infiltration.

THE BIORETENTION PROCESS

1. Clean stormwater runoff through soil filtration.
2. Infiltrate stormwater runoff into the soil.
3. Reduce the amount of runoff into combined storm sewers and Lake Erie.

SITE PLAN



ART HOUSE GREEN CAMPUS

[2021]

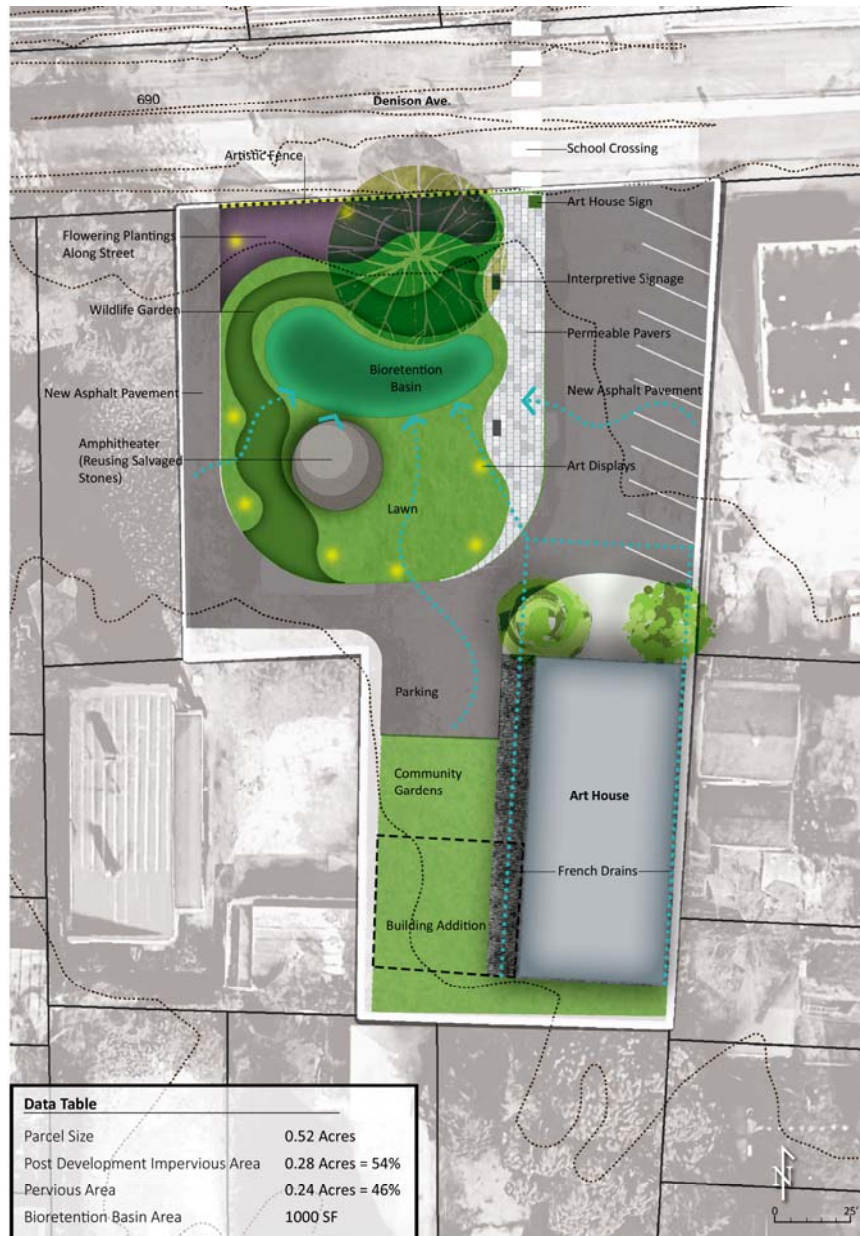
This fall, the Art House Green Campus project was awarded a Green Infrastructure Grant from the Northeast Ohio Regional Sewer District. Art House, Inc. is a non-profit arts center located on Denison Avenue in Cleveland's Brooklyn Centre neighborhood. Big Creek Connects asked West Creek Conservancy to assist with administering the \$249,880 grant. Art House, in partnership with BCC and WCC selected project consultant AECOM to assist with incorporating green elements into Art House's initial planning study for an Art Park.

The project will dramatically transform the site to support art education programming for children and the community and provide neighborhood beautification, as well as reduce stormwater runoff to the sewer system. The site will be graded so runoff will flow into a bioretention basin near the center of a landscaped area that will include a small stage with open space for seating. In 2020 the community was asked to provide input on the concept plan before submitting the grant application. The plan (see next page) will be further refined with additional community input before construction takes place during the summer and fall of 2022.



Existing
Art House
campus.

Concept plan for
Art House Campus
Green Infrastructure
project



Art House Green Infrastructure Garden - Concept Plan