

# Huntley Meadows Park Wetland Restoration Project - Construction Process - February 2013 – May 2014



# Pre-construction Plant Saves



Park staff and volunteers saved over 400 native plants from the construction area.



A Tree-spade was used to save and replant trees and shrubs too large to hand-dig.

## Pre-construction wildlife rescues



### Green Treefrog

This frog is about 2 inches long and is usually bright green. It frequently has a white or yellowish stripe along the sides, as this one does.



Frederick B. Siskind

Frogs, turtles,  
snakes and other  
small wildlife were  
moved out of the  
construction area.



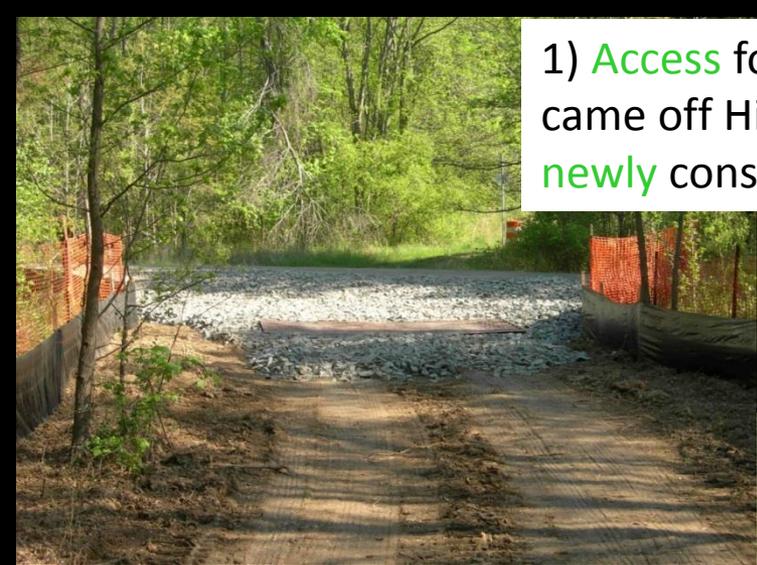
1) **Access** for construction equipment came off Hike-Bike Trail onto a **newly** constructed trail.

## Construction **Access** Trail

2) New access trail was designed to remove as few trees as possible.

3) Hardwood pallets were used to create a temporary and **root-friendly** surface.

4) Access trail is now a new **stonedust/gravel** pedestrian trail.



# Water Control Structure

A structure made of concrete and rebar was built and placed **in the ground**. It holds pipes and slide gates that allow park staff to **manage water levels**.



An **underground culvert** allows water back into Barnyard Run.

4 large **pipes** lead to a box with gates that allows park staff to manager **water levels**.



The above pipes are now submerged in this **Habitat Pool**, which provides year round aquatic habitat.



## Water **Level** Pipes and **Habitat** Pool

Logs, rootwads and brush shelters (all **recycled** from trees removed during construction) were placed **throughout** the wetland.



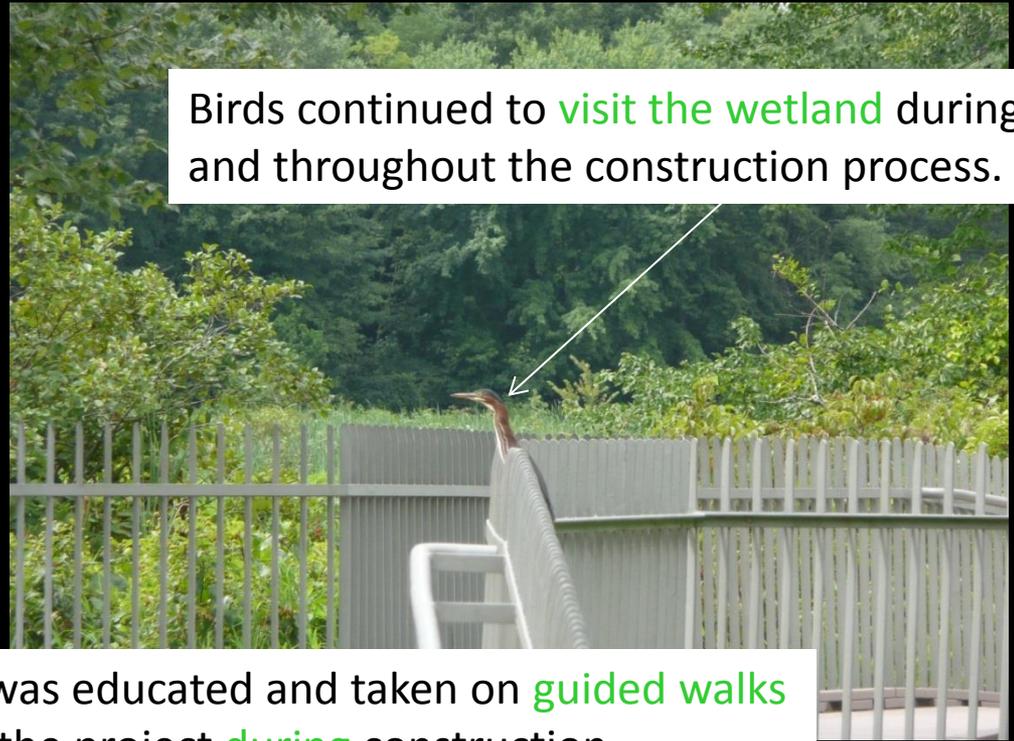
This woody debris provides valuable **habitat** for fish, turtles, **crayfish**, ducks and herons.

# Park, Programs and Boardwalk stay open during construction

Camps and other programs continue to run during project construction.



Birds continued to visit the wetland during and throughout the construction process.



The public was educated and taken on guided walks focused on the project during construction.





Vinyl Sheet Piling was driven approx. 20 feet in the ground – this formed the water-proof core of the earth and rock berm.

## Berm Construction

We ask that visitors please **not walk across the berm area**, so that new plants can grow and soils can **stabilize** - thank you!



Wetland during project construction.



A metal and plastic cap was placed over the vinyl sections. Rocks, plants and biodegradable netting secure the earthen portions of the berm.

October, 2013 - Construction **Complete!**

A sanctuary for **locally rare** wetland wildlife.



A Natural **Island** in  
a **Suburban Sea**

Huntley's restored wetland is a **regionally significant** biodiversity reservoir.



May 2014 – a very full and “wet” wetland

