

SHIPLEY'S CHOICE DAM REHABILITATION PROJECT MONTHLY PROJECT UPDATE

In an effort to keep the community updated on the construction project to remove the Shipley's Choice Dam, this monthly update will be distributed to the Homeowners Associations via email.

1. Official Project Name. Shipley's Choice Dam Rehabilitation Project: The project will be referred to as the Shipley's Dam Project in this document.

2. Project Background. Visit the County website for the Shipley's Dam Project for this information. The website address is:

http://www.aacounty.org/departments/public-works/engineering/Capital_Projects/shipleys-choice-dam-rehabilitation

3. Recent Activities

a. The County's construction contractor, Paydirt LLC, began Phase 1 construction of the Shipley's Dam Project on October 8, 2018. Paydirt installed the West Benfield Road closure on that day and began moving equipment and materials onsite. Paydirt's construction trailer was placed on County property near the intersection of West Benfield Road and Benfield Boulevard.

b. Subsequent to the road closure, Paydirt accomplished the following work:

- The construction areas north and south of West Benfield Road were cleared and grubbed and tree limbs were chipped. Mats were placed for equipment access through wet areas.
- Filter logs were placed throughout the construction site for erosion & sediment control. A HDPE pipe bypass was connected to the storm drain outfall south of West Benfield Road.

Construction photos are included at the end of this document.

Note: Phase 1 construction includes all work along West Benfield Road, including utility relocations and culvert construction. Phase 2 construction includes the dam removal.

4. Construction Schedule. Paydirt plans to work Monday - Saturday between the hours of 7 am - 5 pm. The County is still working with Paydirt to finalize their overall construction schedule. The schedule for initial work is as follows:

Oct 2018 Site clearing, Erosion & Sediment Controls & stream diversion installed

Nov 2018 Utility Relocations begin

A detailed schedule will be presented in a future update.

5. Road Closure. West Benfield Road was closed to through traffic on October 8, 2018. Barriers were placed at Pixie Drive and Severnside Drive, and detour signs erected. Issues to date with the road closure and *resolution:*

- a. Drivers were not heeding the Road Closed signs; a truck struck the barricade. *Additional signs, flags, and barrels were added along West Benfield Road.*
 - b. Drivers moved the barriers on the weekend and drove through the closed portion of West Benfield Road. *Paydirt now parks their construction equipment next to the barricades each evening to prevent access.*
 - c. Traffic backups were reported at the intersection of Benfield Boulevard and Veterans Highway as well as Governor Stone Parkway. The County Traffic Engineer made adjustments to the traffic signal phasing at both intersections, which should reduce traffic congestion.
- 6. Community Meeting.** The County conducted a community meeting on September 13, 2018 at the Shipley's Choice Elementary School, to discuss the upcoming construction for the Shipley's Dam Project. All homeowners within 300 feet of the project limits and Homeowner Associations were mailed invitations to this meeting, as well as meeting minutes. The minutes were also posted to the County's Shipley's Dam Project website. A second project presentation was given at the Crain West Community meeting on October 18, 2018.
- 7. Planting Plan.** After construction is complete, Paydirt is required to seed and stabilize all disturbed areas. To replace the trees removed during construction, Paydirt will plant trees and shrubs at the dam and the West Benfield Road construction sites. A list of trees and shrubs to be planted is included at the end of this document.
- 8. North Fork Bear Branch Stream Restoration.** The County's Engineering Consultant, Brown and Caldwell, is designing the restoration of 3600 linear feet of stream and the retrofit/decommissioning of BMP 4449. Brown and Caldwell is currently completing the 30% design; construction should begin in 2020.
- 9. Miscellaneous Items.** Contact Larry Mathena:
- a. If others should be added to the email distribution list for this monthly project update.
 - b. If there is additional project information you would like included in this monthly update.

If you have any questions or comments regarding this document, please contact the undersigned.

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Shipley's Dam Project – Construction Photos



Photo 1 – West Benfield Road Closure/Barricades looking West toward Pixie Drive



Photo 2 – Construction Trailer at West Benfield Rd & Benfield Blvd



Photo 3 – Contractor equipment & materials along West Benfield Rd



Photo 4 – Diversion pipe, mats, and filter logs south of West Benfield Rd



Photo 5 – Clearing and filter logs north of West Benfield Rd



Photo 6 – Clearing and filter logs north of West Benfield Rd

Note: Filter logs consist of a fabric sock filled with compost or mulch. They are used in lieu of silt fence to more effectively prevent sediment from flowing offsite and into waterways.

Shipley's Dam Project – Planting Plan

The Contractor is required to plant the following trees and shrubs as part of the Shipley's Dam construction. Plantings will occur at both the dam site and West Benfield Road. The quantity of each tree/shrub species to be planted is listed in parentheses.

Trees:

Red Maple (18), River Birch (18), Bitternut Hickory (17), Swamp White Oak (17), Pin Oak (17), American Sycamore (17), American Elm (17), Tulip Poplar (4), Southern Red Oak (4), Chestnut Oak (4), Sassafras (4), American Holly (4)

Shrubs:

Black Chokeberry (47), Sweet Pepperbush (59), Witch Hazel(59), Inkberry (47), Winterberry (47), Spicebush (59), Swamp Azalea (58), Highbush Blueberry (47), Southern Arrowwood (58), Mountain Laurel (12)

Live Stakes (3 – 6 foot long cuttings, planted along the streambanks):

Red-Osier Dogwood (335), Silky Dogwood (335), Northern Arrowwood (335), Streamco Willow (335), Silky Willow (335)