



# 2017 VILLAGE OF ASHVILLE 1<sup>ST</sup> QUARTERLY F & O REPORT

*Pickaway County 4PC00005*

The Village of Ashville will report on the status of the items identified in the Findings and Orders in Quarterly Reports. The three areas covered include:

- Construction of new Water Resource Recovery Facility (WRRF) in the orders listed as WWTP
- Create an Infiltration and Inflow (I & I) Plan
- Special Environmental Projects (SEP) - Completed



Section One

Section Two

Section Three



**WRRF**



**I & I**



**SEP**

Franklin Christman, Village Administrator

March 2017



# 2017 VILLAGE OF ASHVILLE 1<sup>ST</sup> QUARTERLY F & O REPORT



## Construction of new Water Resource Recovery Facility (WRRF)

The first section of this quarter report will deal with the status of the Water Resource Recovery Facility (WRRF). The first heading will discuss the design, permit, and bidding status. The second heading will deal with the status of obtaining funds for the WRRF. The third heading will be the Construction section when that began March 2016, see Figure Five.

## PLANNING, DESIGN, PERMIT, AND BID, STATUS

The Planning, Design, and Permitting phase has been completed.

## FINANCING STATUS

The majority of the funding for Part A and B is being managed through the Ohio Water Development Authority (OWDA). The \$13,871,722.75 loan for Part A is the Ohio Water Pollution Control Loan Fund (WPCLF) which was acquired with the help of the Division of Environmental & Financial Assistance (DEFA). This loan has interest terms of 0.48%. Land has been acquired and annexed into the Village of Ashville. Construction for Part A of the Water Resource Recovery Facility is underway.

Part B has funding from OPWC for \$500,000.00. The \$989,605.15 balance for Part B is from the Ohio Water Pollution Control Loan Fund (WPCLF) which was acquired through the Division of Environmental & Financial Assistance (DEFA).

1. For Part A the facility a thirty year loan with the Ohio Water Pollution Control Loan Fund (WPCLF) through DEFA was approved for \$13,871,722.75 – See Figure 1.
2. For Part B Round 30 funding request to Ohio Public Works Commission (OPWC) was approved for \$500,000.00 at zero percent interest Loan/Grant CQ39T with a Request to Proceed approved, see Figure 2.
3. For Part B the balance is being requested from Ohio Water Pollution Control Loan Fund (WPCLF) was approved for \$1,064,085, See Figure 3.



Page 1

### Loan information

### Loan Contractor Information

[illegible]

All of the above applications and support material can be found on the webpage for this project: <http://www.ashvilleohio.gov/index.php/water-resource-recovery-facility>



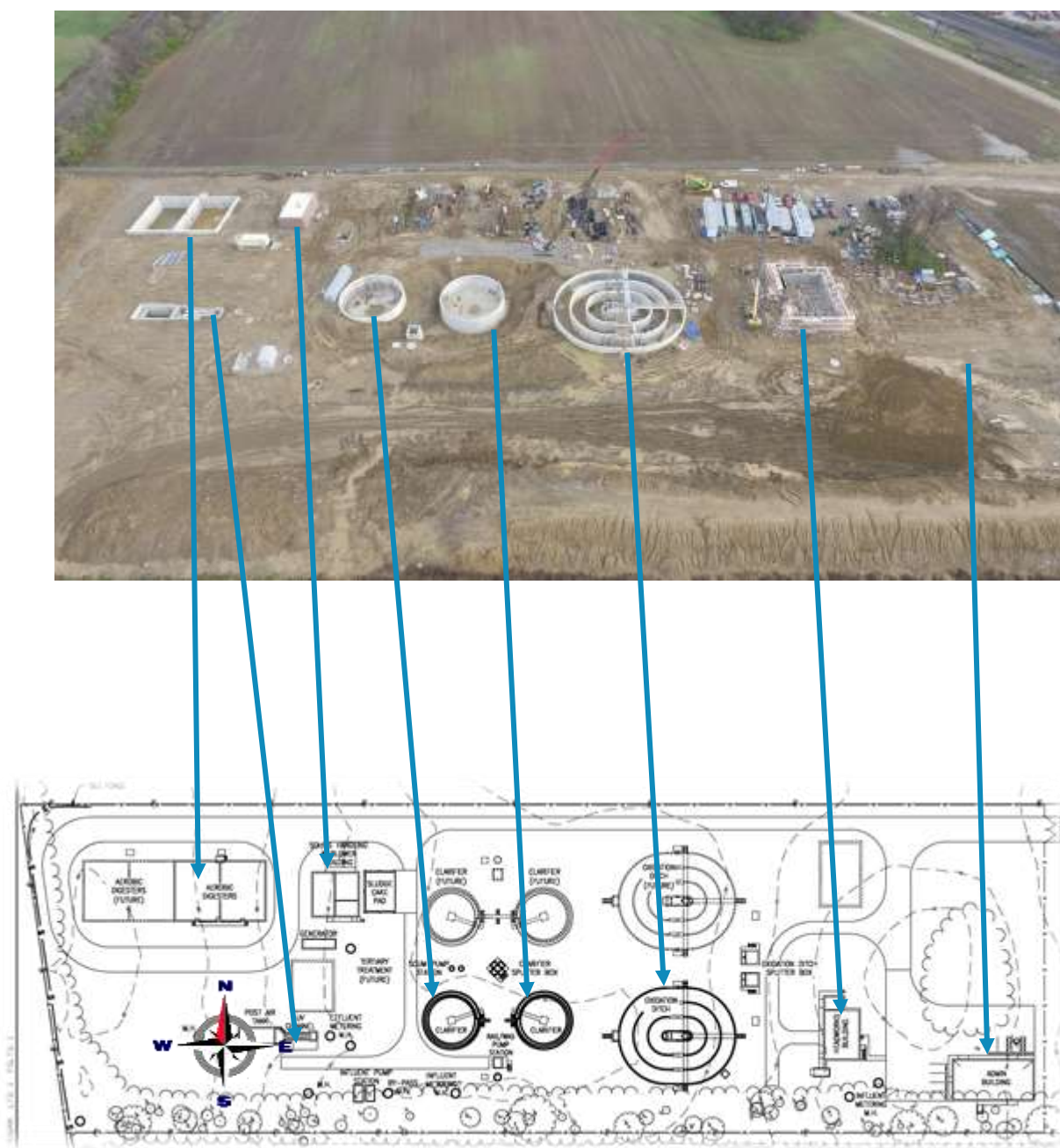


## CONSTRUCTION STATUS

### Part A Construction:

Peterson Construction continued construction. The aerial below was taken on April 5, 2017. Progress continues to be made. Much of the work completed is not visible from the aerial photo.

Figure Four Continued





## Figure Four Continued

The six (6) pdf's below of a PowerPoint Presentation on Part A to Village Council can be found on the project webpage: <http://www.ashvilleohio.gov/index.php/water-resource-recovery-facility>. An additional 90 slides can be view documenting the construction progress through the end of March 2017.

### Ashville's WRRF Project

#### Construction in Photos



- March 8, 2017
- Installing anchor bolts and setting the pump bases in the Influent Pump Station wetwell.
- Job No: 60440011

### Ashville's WRRF Project

#### Construction in Photos



- March 15, 2017
- Encased the conduit pipe from MH-1 to the Influent PS valve Building with 7 yards of 4000 psi concrete and installed the 4" Sch-80 PVC pipe for the level indicator in the wetwell.
- Job No: 60440011

### Ashville's WRRF Project

#### Construction in Photos



- March 22, 2017
- Installed 2 1/2 yards of concrete in the Slab on Grade area of the Headworks Building.
- Job No: 60440011

### Ashville's WRRF Project

#### Construction in Photos



- March 24, 2017
- Process of installing the rebar in the grout fill area of the flow channel of the Headworks Building.
- Job No: 60440011

### Ashville's WRRF Project

#### Construction in Photos



- March 27, 2017
- Poured 2 1/2 yards of 3000 psi concrete grout in the flow channel of the Headworks Building. Peterson's concrete finisher is putting the final touch on the grout pour.
- Job No: 60440011

### Ashville's WRRF Project

#### Construction in Photos

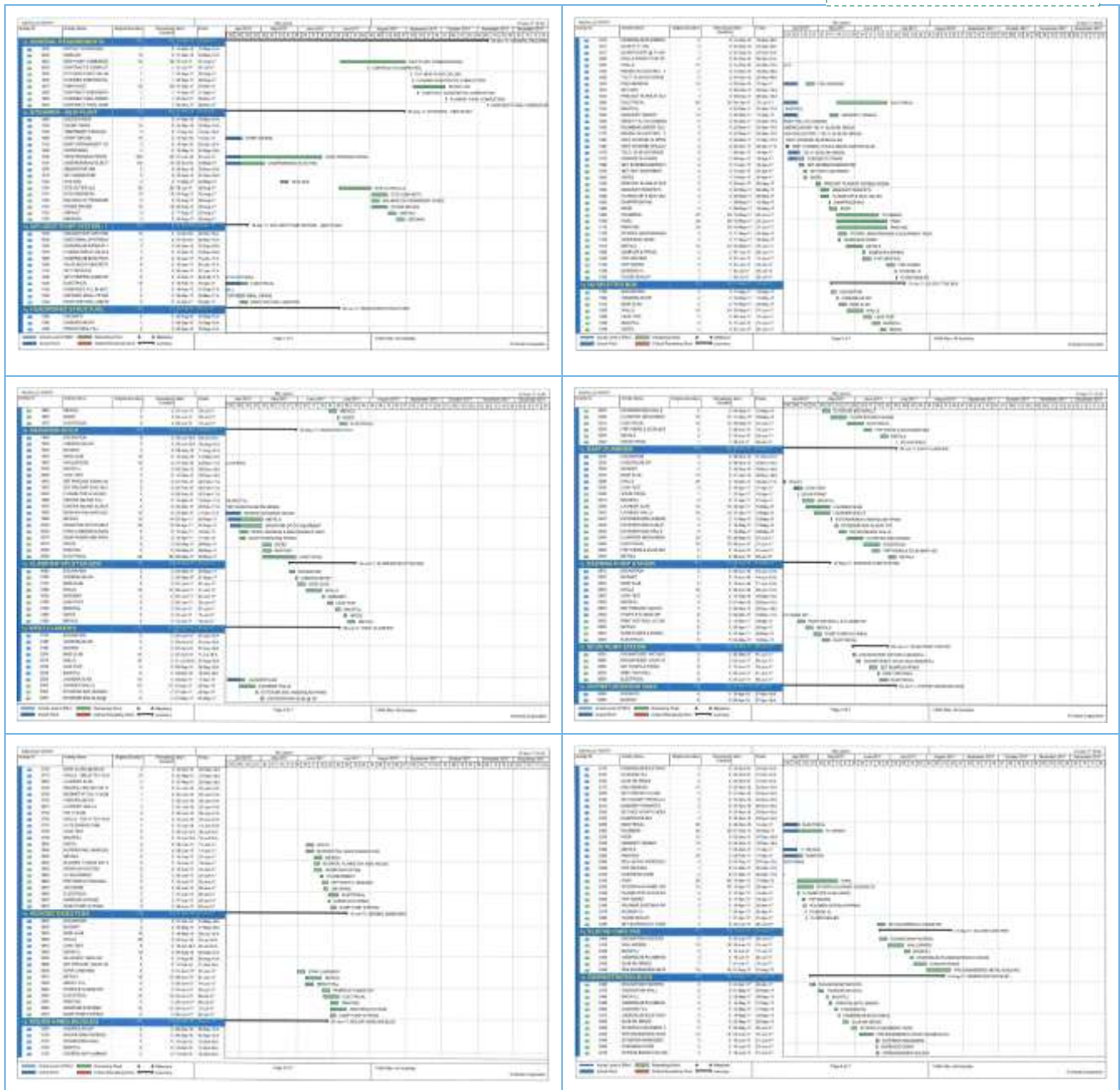


- March 30, 2017
- Getting ready to install the SCADA control panel in the electrical room of the Solids Handling Building.
- Job No: 60440011

4/25/2017

Peterson Construction started construction on March 21, 2016. During the Monthly Construction Meeting progress is reviewed and reflected in the updated Peterson Schedule, see Figure Five.

Figure Five



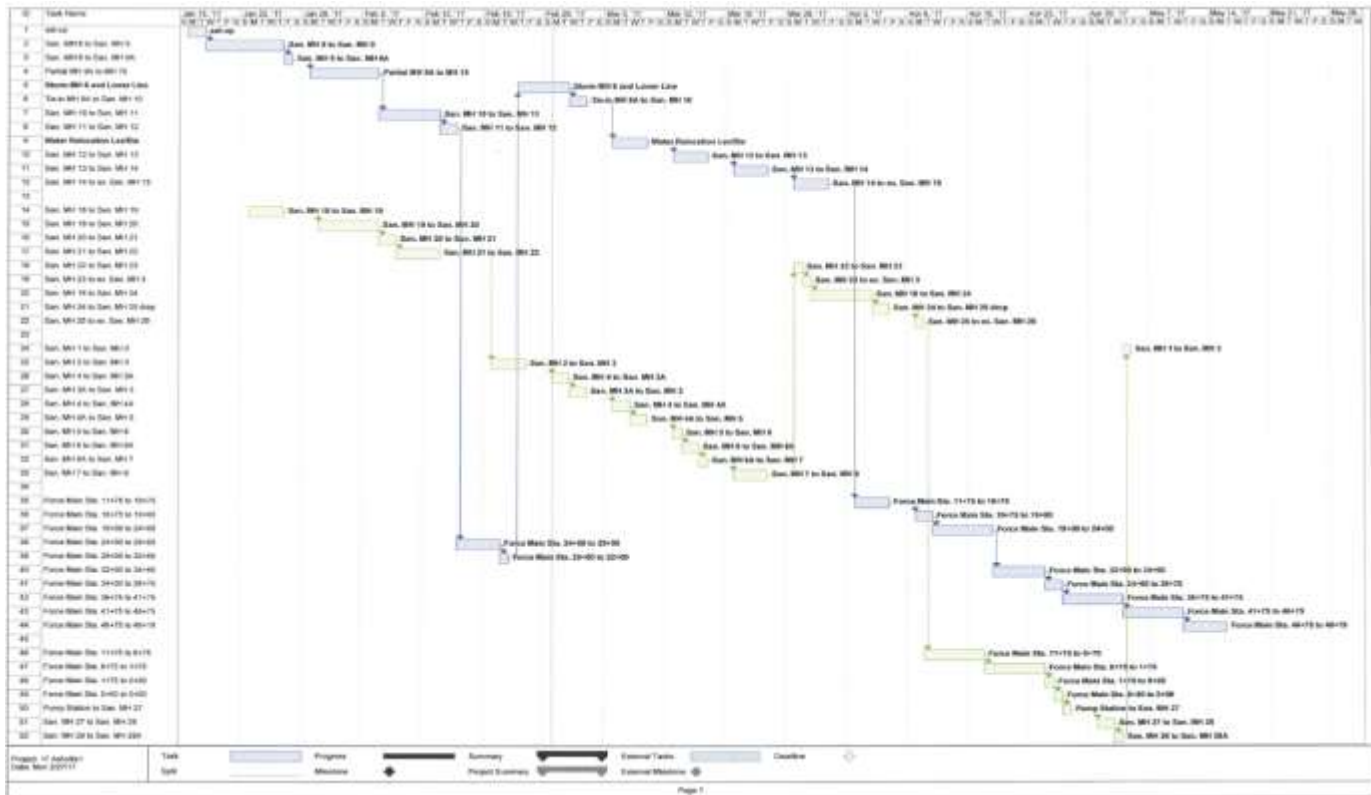
The above schedule was an update presented by Peterson Construction at the April 13, 2017 monthly construction meeting.



Part B Construction:

Fields Excavating, Inc. has begun construction, see Figure Six.

Figure Six



### Water Resource Recovery Facility Part B Schedule





## Figure Seven Continued

The six (6) pdf's below of a PowerPoint Presentation on Part B to Village Council can be found on the project webpage: <http://www.ashvilleohio.gov/index.php/water-resource-recovery-facility>. An additional 65 slides can be view documenting the construction progress through the end of March 2017.

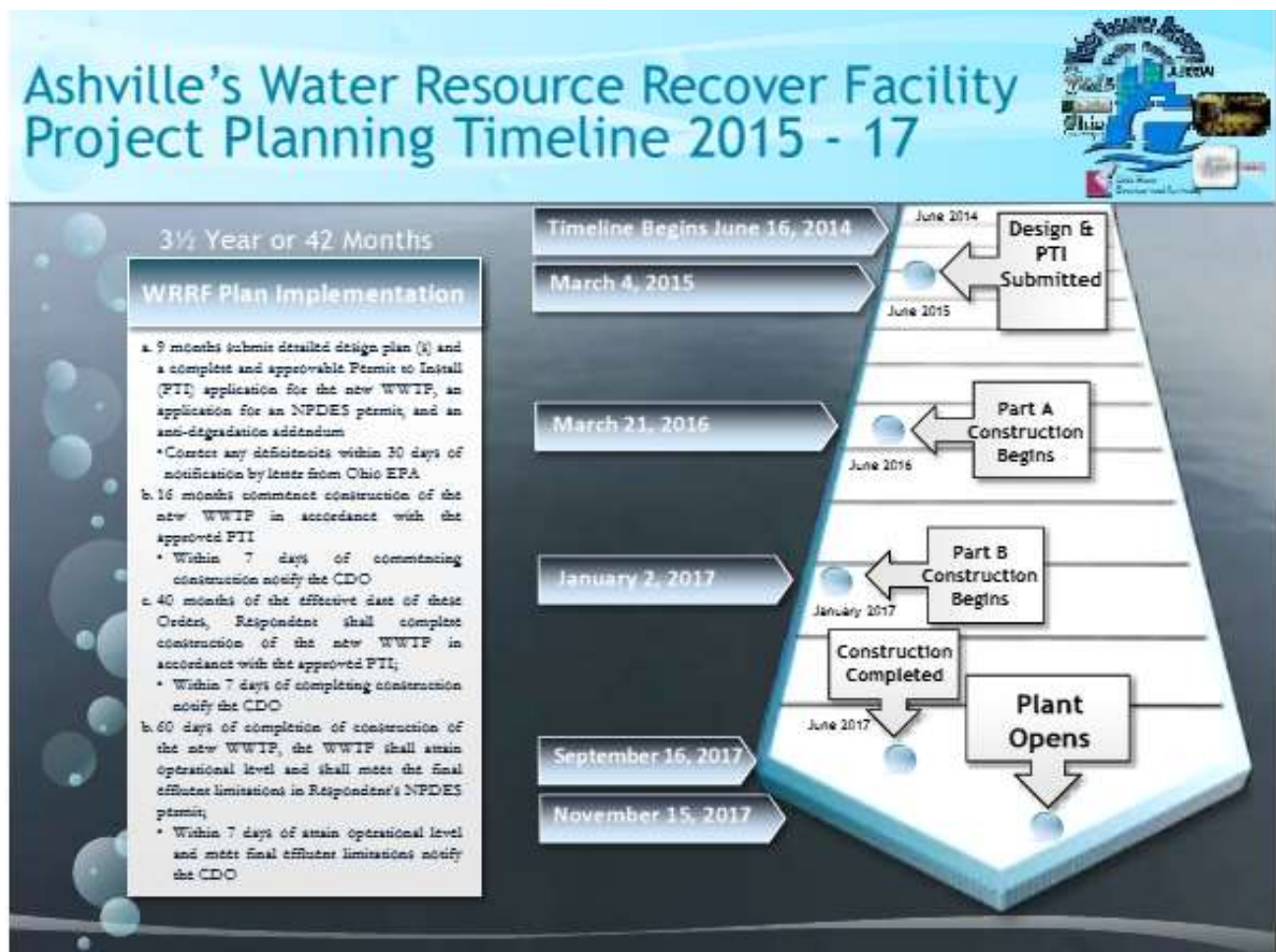


## WATER RESOURCE RECOVERY FACILITY WEBPAGE

This webpage can be accessed at [www.ashvilleohio.gov](http://www.ashvilleohio.gov). On the home page you click on the logo that was designed for this project, see image to the right. That page will inform the residents on the status of this project. Figure Eight represents the WRRF Project Home Webpage You can assess through the indicated logo or <http://www.ashvilleohio.gov/index.php/water-resource-recovery-facility>



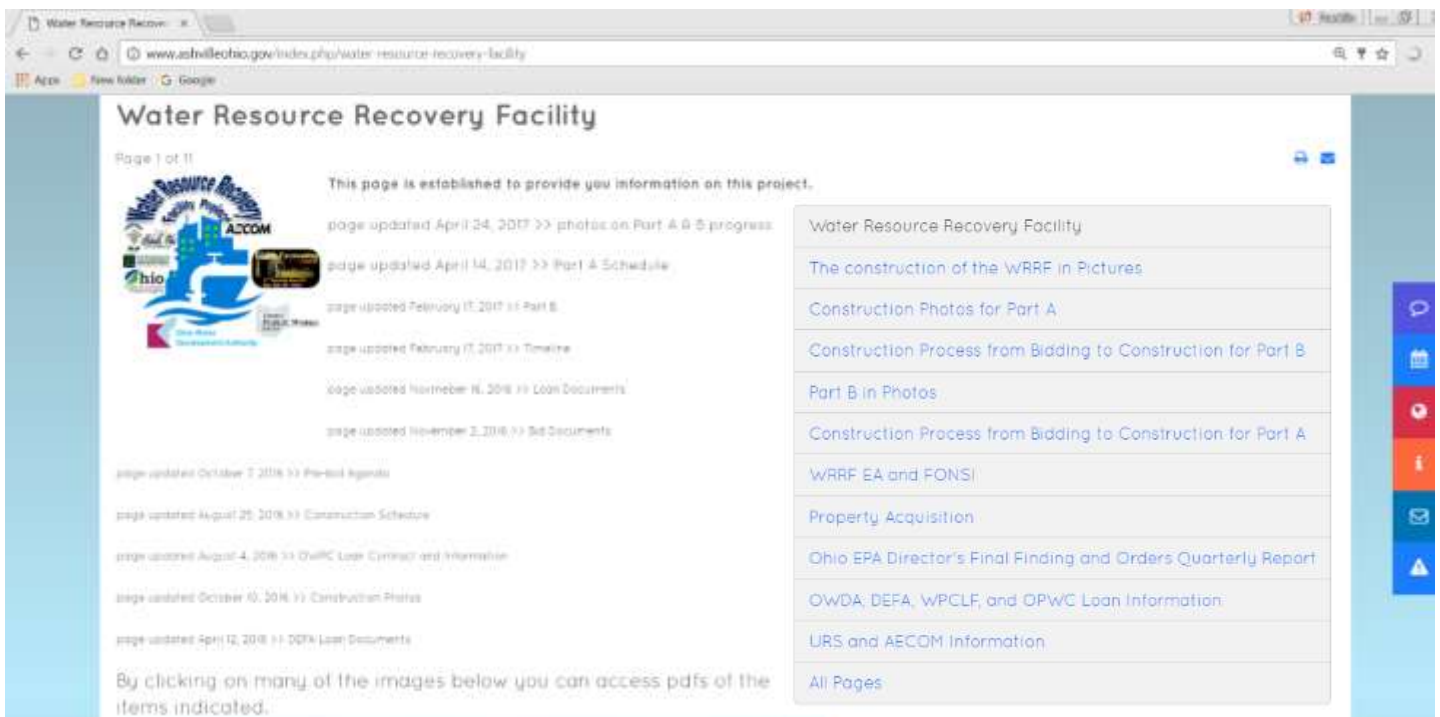
Figure Eight





We have revised the Project Webpage to make it easier to navigate. On the top right corner we have added “page-breaks”, see Figure Nine. The objective of transparency resulted in so much material on one page. Therefore that page has been divided it into categories. These categories will make it easier to find information.

Figure Nine



# 2017 VILLAGE OF ASHVILLE 1<sup>ST</sup> QUARTERLY F & O REPORT



## Infiltration and Inflow (I & I) Reduction Plan

The second section of this quarterly report will deal with the status of I & I. The first heading will discuss the work being done on the I & I Reduction Plan Procedure Manual and the I & I Tool Box. The second heading will deal with the funding for an I & I Program.

### INFILTRATION AND INFLOW (I & I) PLAN IMPLEMENTATION

In the last three quarterly reports there was a focus on the I & I Reduction Plan which included an I & I Tool Box. That plan included monitoring “Metersheds” from that metering the Village has decided to contract with Hunt Engineering to LLC to do the following for Beaver Alley:

#### Scope of Services

1. Develop cost analysis of feasible alternatives for inflow and infiltration mitigation in the Village of Ashville gravity wastewater collection system of the sewerage serving the east side of East Street and the west side of Walnut Street from the northern terminal end at Station Street to the southern extent of the south flow direction to Church Street. Alternatives will be developed by evaluation of existing conditions from data and information collected by the Village.
2. Design and prepare professional engineering drawings of the proposed mitigation strategy for the inflow and infiltration repairs/replacement of the Village of Ashville collection system in the above referenced section of the system. Survey data for design plans will be based on original contract drawings of the system unless they cannot be located. If a professional survey of the alignment is required due to the lack of existing plans, an additional fee will be required as specified below.
3. Draft contractor specifications for use in bid documents for public bidding of repair/replacement project.
4. Coordinate with Ohio EPA regarding the mitigation measures chosen and complete any required Permit-to-Install or Plan Review application for Ohio EPA approval for this project as necessary.



The intent with the Scope of Service of Hunt Engineering would be to completely evaluate the connections to the storm and sanitary lines in Beaver Alley. This includes mains and laterals. The main will be completely rehabilitated. At the same time any problem outside the main that is identified will be corrected. Mr. Hunt has begun survey and evaluation of the Beaver Alley storm and sanitary lines. We expect a recommendation from him by the next quarterly report.

While the Beaver Alley Project is designed and completed another line for rehabilitation will be identified to move forward within the I & I Reduction Plan Manual and Toole Box.

## FINANCING STATUS

There are two internal funding sources for I & I. First the Village has created in their Appropriation Budget an I & I Fund Account 34¢ for every 1000 gallons of water used will go exclusively to I & I Reduction. The effect of this can be seen in the Revenue Status Report through October 2016, see Figure Nine. The I & I account generated \$102,161.25 in revenue. The second source of funding will be an existing Stormwater Fund and through October 2016 that fund collected \$70,767.40, see Figure Nine. The two funding sources will be used to establish a \$50,000 per year appropriation budget for I & I. Some of this will be directly used. Another portion will be used as seed money for Grants and Loans.

The Quality Monitor “Dashboard” is still being developed in Excel to quantify this process. This Dashboard will be used to measure how much is spent in relationship to how affective the I & I intervention has been.

## I &amp; I REDUCTION WEBPAGE

Since that Plan and Tool Box is already submitted this quarterly report will not repeat that entire plan. The entire Plan and Tool Box can be accessed at [www.ashvilleohio.gov](http://www.ashvilleohio.gov). On the home page you click on the logo that was designed for the Plan, see above. That page will inform the residents the status of the project. As the Beaver Alley Project moves forward it will be added as a Project Webpage. All the items above can be found on this webpage by clicking on the following icon.

