FY25-26 CAPITAL BUDGET
PROJECT INFORMATION
WORKSHEET

1) **Project name, a general description of the overall project, and a specific description of the purposes or specific portion(s) of the overall project for which state capital dollars would be used**

Project Name: **Water System Improvement New Water Treatment Plant Priority One**

General Description: Create a 1.2 MGD Capacity, (Aeralator). This option includes a aeralator/dualator combining aeration, detention and filtration into a single piece of equipment. Allows for less piping but additional pumping is needed and is more difficult to expand in the future. While the capacity rating is 1.2 mgd, combining pumps and including all filters in service the plant could be run at 1.4 mgd at times if needed.

The Village of Ashville is undertaking a project to upgrade and replace their existing water treatment plant. Project needs were outlined in the General Plan submitted to Ohio EPA. The General Plan will include a revised scope of work and generally includes a new water treatment plant on the same site as the existing water treatment plant.

The new plant's treatment process will be like the existing process, with the addition of a caustic soda feed system and some additional upgrades to reliability and redundancy. The plant will draw water from two wells that pump water to an aeralator. Then transfer pumps pump to the softeners before being fed caustic soda and stored in a clearwell. The finished water will then be pumped to distribution using two high service pumps. The design will follow the Basis of Design attached to this proposal. The new plant will have an initial capacity of 1.2 mgd. The new WTP will have a chemical feed room for sodium hypochlorite and caustic soda along with storage tanks for salt and a backwash holding tank for the filter and softener backwash. The building will also include an electrical room, mechanical room, office, lab, meeting area, and restrooms. The site will also include a new driveway and pavement for employees, deliveries, and maintenance access to the plant.

This proposal includes services to complete plans and specifications necessary to obtain Ohio EPA approval, building permit approval, and bid the project. We have subcontracted with Levin Porter Architects and T & M Associates to assist with the architectural and control/programming design respectively. The new building will be a pre-engineered metal building structure. The controls/programming includes system integration design and panel design of MTU's and RTU's at the Village water towers and wells. These firms were listed in our original Statement of Qualifications submitted to the Village at the onset of the General Plan RFQ selection. We plan to work with the Village and Tebbe Civil Engineering to design tie-ins to the existing utilities.

Process	Equipment Required	Unit Capacity	Notes
Aeralator/Dualator	Two Units, 15' dia. each	1.2 MGD	Capacity with one filter cell out of service, four cells per unit.
Transfer Pumps	Two Pumps	1.2 MGD Each	Required to pump through softeners
IX Softening	Two 10' dia. Softeners	0.77 MGD	With one offline for regeneration, capacity is 0.43 MGD
Clearwell	One Tank, 2-celled	65,000 gallons	Sized for 1 hour detention time and recommended as break tank between aeralator and high service pumping
High Service Pumps	Two Pumps	1.2 MGD Each	

Exhibit A

2) **Physical location and address of the project (city/village/township and county)**

140 Park Street, Ashville, OH 43103 in Harrison Township & Pickaway County **Exhibit B**

3) **Legal Entity Name and any alternative Doing Business As (DBA) trade names on file with the Ohio Secretary of State and the organization sponsoring the project**

Village of Ashville, Department of Waterworks Current LTO # HO6500012

4) **Identification of the facility or asset owner during construction and after work is completed**

Village of Ashville, Department of Water, 140 Park Street, Ashville, OH 43103

5) **Amount of state funding being requested for the FY 2023-24 capital biennium**

Jones & Henry Engineers, LTD. has been selected through the Ohio Statement of Qualification process as the design firm. They have submitted a "General Plan" to the OhioEPE. The cost estimate for the construction of this project is $10,867,500, see below table:

Jones & Henry
ENGINEERS, LTD.

6) **Amount and source of non-state funding, including private, not-for-profit, local, and federal funds supporting the project**

Description	Costs
Mobilization, Bonding, Insurance, Overhead	$550,000
Demo/Removals	$250,000
Site Work	$500,000
Building and Concrete	$1,800,000
Piping, Plumbing, HVAC	$650,000
Process Equipment	$2,100,000
Pumps	$300,000
Chemical Feed Systems	$200,000
Misc. Equipment, Lab, Office, Restroom	$475,000
Generator, Electrical, Controls	$700,000
Contingency (30%)	$2,257,500
Construction Total	**$9,782,500**
Engineering Design, Permits, etc.	$675,000
Geotechnical Services, Survey	$35,000
Engineering Construction Services, O&M Manual, RPR	$375,000
Non-Construction Total	**$1,085,000**
Total Project Cost	**$10,867,500**

In addition to its own funding, the Village of Ashville is exploring the Division of Environmental & Financial Assistance (DEFA), Ohio Water Development Authority (OWDA), Ohio Public Work Commission (OPWC) Department of Water, and this source of funding for a new water facility.

7) **The amount and source of state funding the project or asset has received in the past, and whether the project will be requesting additional state funding in future capital biennia**

The Village of Ashville has received in the past Community Development Block Grant (CDBG) for $207,995 (Grant), Division of Environmental & Financial Assistance (DEFA) for $15,131,119 (Interest Rate 0.48%), NatureWorks for $100,000 (Grant), Ohio Public Work Commission (OPWC) for $1,749,977(Grant) and for $2,937,986(Zero Interest Loan), Ohio Water Development Authority (OWDA) for $957,647(Loan), Pickaway County Park District for $57,308 (Grant), and Recovery Funds for $250,000 (Grant). This is the beginning of obtaining funding for a water facility.

8) **Identification and a description of any use by or involvement of private for-profit businesses or not-for-profit entities**

This water facility would be a Village of Ashville owned facility used by all customers (residential, commercial, public, and private).

9) **Identification and description of any use or involvement by the federal government**

Some of the originating funding may be connected to the federal government, see answer to number 7.

10) **Identification of the annual amount of and source(s) of funding for ongoing operational costs**

There are two sources of funding. Operational Revenue from 5101

Water	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Annualized 2023
5101	$347,059	$332,336	$347,729	$382,297	$407,480	$430,280	$302,768	$369,747	$429,944	$334,845	$442,492	$485,661	$474,065	$235,564	$386,297

Capacity Fee Revenue 5701

Water	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Annualized 2023
5701	$208,582	$24,086	$18,090	$21,054	$9,000	$6,000	$3,000	$145,000	$98,790	$45,000	$6,000	$372,000	$0	$0	$192,733

11) **Any additional relevant information that the requesting organization believes would be of assistance in evaluating the project's value and eligibility to receive state capital funding**

Similar to our wastewater facility, we will create a Water Debt Service Revenue Stream to collect funds for the repayment of any loan. We also will have additional users of water and sewer. The following outline approved developments and units:

Developments	Maronda Homes Ashton Crossing	The Wills Group The Distillery	Fischer Homes Hickory Glen	Maronda Homes Pine Ridge SF	Maronda Homes Pine Ridge MF	D.R. Horton Walnut Mill	Total
Number of Units	75	216	196	391	369	224	1471

See Exhibit C

Based upon historical usage and capacity fees. These units will generate:

¾ Inch Tap $4,320 X 1,471 = $6,354,720 - a one-time fee

Average Annual Revenue $1,567 X 1,471 = $230,947 an automatic CPI annual increase is not calculated into this number

12) Description of how the project's support will benefit the general public and how often the public will be able to gain access to the facilities or services provided by the community project funds

This project will substantially add to the capacity of the Village of Ashville to provide an additional 600,000 gallons of water per day. It will replace a filtration facility that was constructed in 1935, with softeners added in 1948, and doubling in size from 300,000 to a 600,000 gallon per day water plant in 1970. Every current constituent using water in the Village of Ashville will benefit. Every future resident that can enter the workforce for Central Ohio will benefit Ashville and all of Central Ohio.

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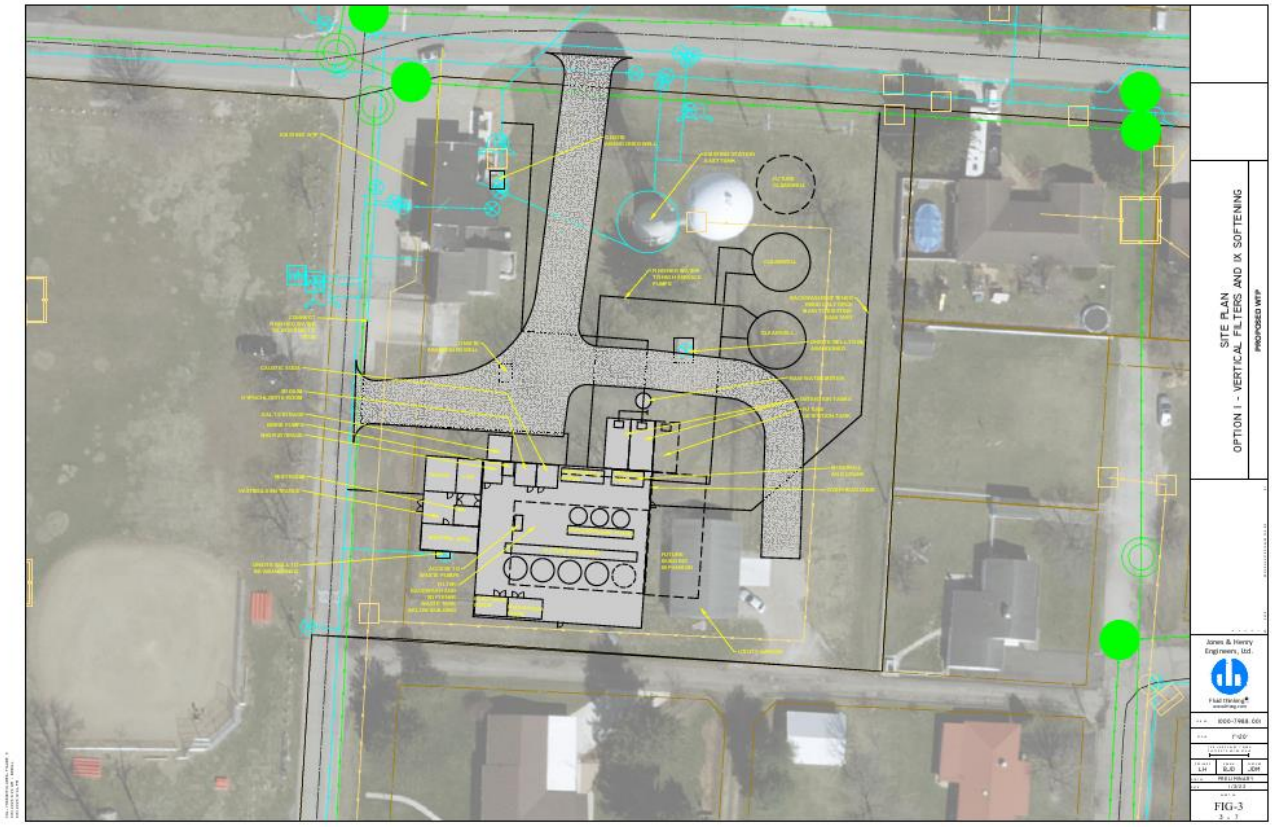
Go to www.ashvilleohio.gov & Click on this image- banner.

http://www.ashvilleohio.gov/index.php/village-government/committees/2-uncategorised/367-Water-Processing-Facility

Exhibit B


SITE PLAN
OPTION I - VERTICAL FILTERS AND IX SOFTENING
PROPOSED WTP
Jones & Henry Engineers, Ltd.
FIG-3

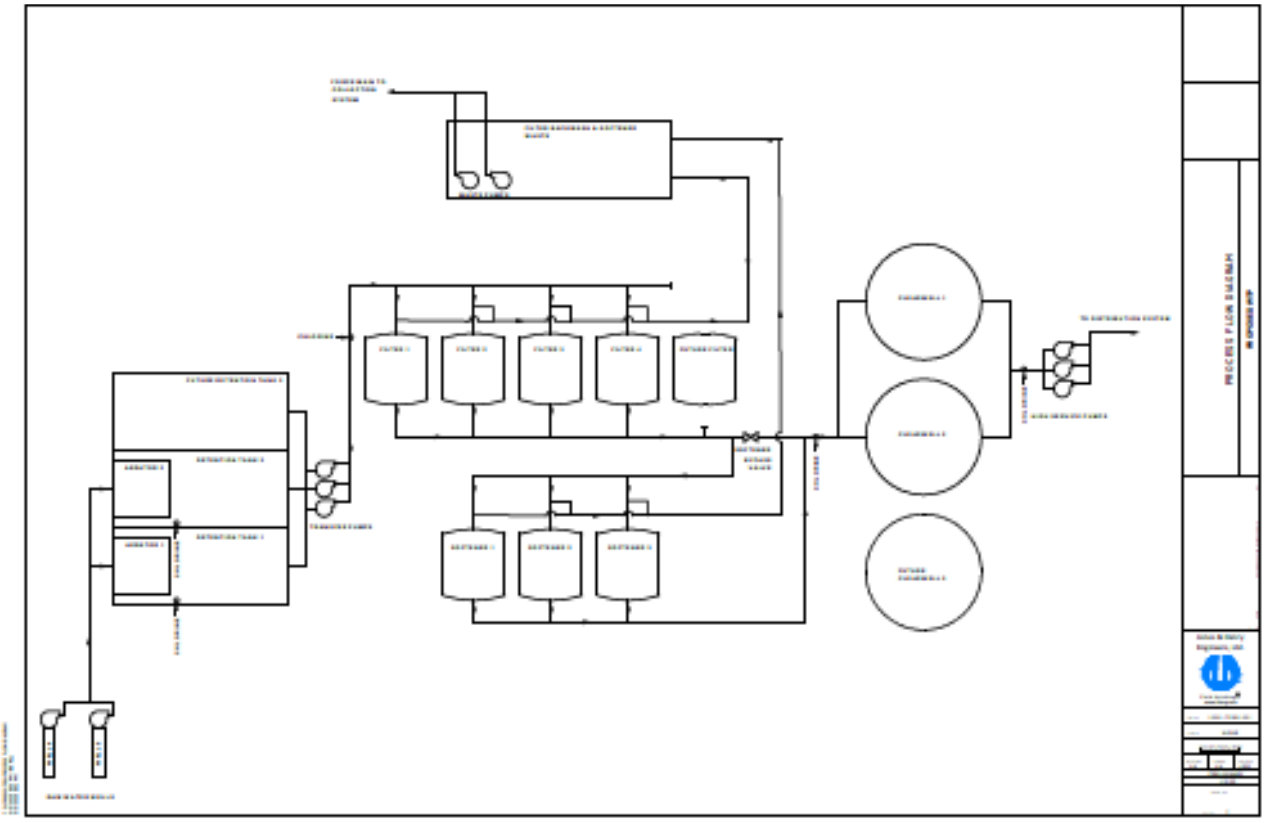
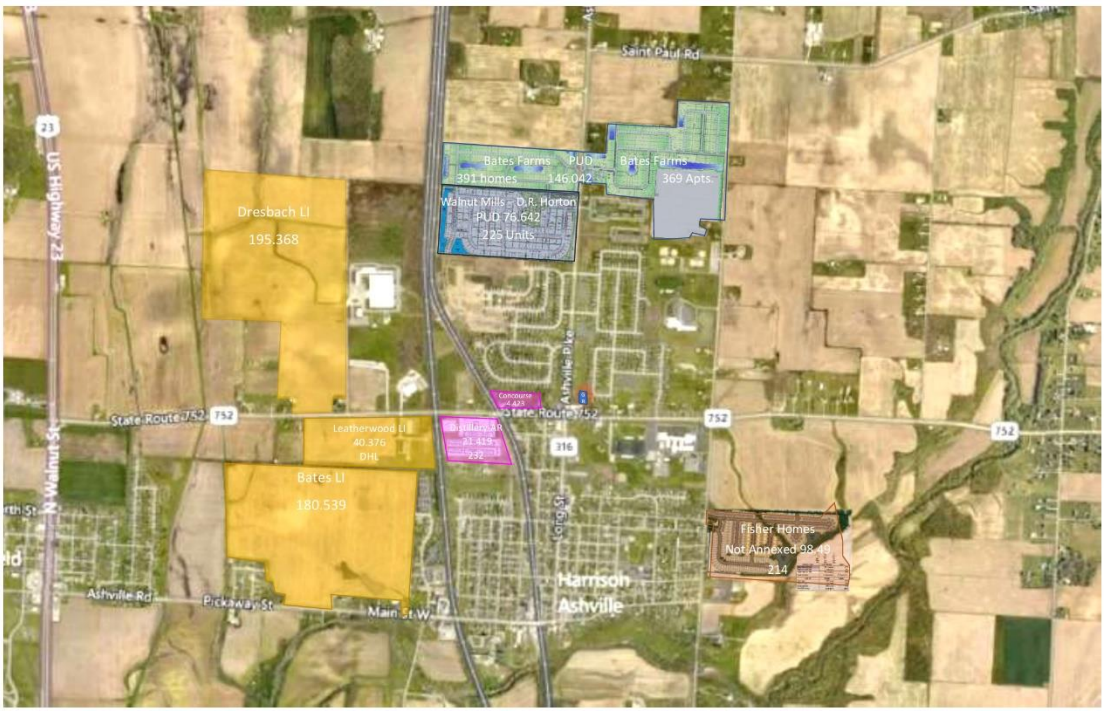


Exhibit C


Saint Paul Rd
US HIGHWAY 23
Bates Farms
391 homes
PUD
146.042
Bates Farms
369 Apts.
Walnut Mills - D.R. Horton
PUD 76.642
225 Units
Dresbach LI
195.368
Ashville Pike
State Route 752
752
316
Leatherwood LI
40.376
DHL
Bates LI
180.539
Long St
Fisher Homes
Not Annexed 98.49
214
Harrison
Ashville
Ashville Rd
Pickaway St
Main St W


Bates Farms 391
Bates Farms 369
Walnut Mills 225


The Distiller 232


Fisher Homes 214