

Government Forms and Supplies E 18076158V

(k) Termination under this section shall be considered "for cause" for the purposes of this agreement.

Termination without cause

62. (k) This agreement shall be terminated upon the death of Employee.

(l) Employer reserves the right to terminate this agreement with less than thirty (30) days notice if Employee suffers any physical or mental disability that would prevent the performance of his duties under this agreement. Such a termination shall be effected by giving ten (10) days' written notice of termination to Employee.

(c) Termination under this section shall not be considered "for cause" for the purposes of this agreement.

Article VI

General Provisions

21. Notices. Any notices to be given hereunder by either party to the other shall be in writing and may be transmitted by personal delivery or by mail, registered or certified, postage prepaid with return receipt requested. Mailed notices shall be addressed to the parties at the addresses appearing on the signature page of this agreement, but each may change that address by written notice in accordance with this section. Notices delivered personally shall be deemed communicated as for the date of actual receipt; mailed notices shall be deemed communicated as of date of mailing.

22. Modifications. The terms of this agreement shall not be altered, amended, or modified except in writing signed by a duly authorized officer of corporation or by mutual agreement.

23. Effect of Waiver. The failure of either party to insist on strict compliance with any of the terms, covenants, or conditions of this agreement by the other party shall not be deemed a waiver of that term, covenant, or condition, nor shall any waiver or relinquishment of any right or power of any one time or time be deemed a waiver or relinquishment of that right or power for all or any other time.

Article VII

Entire Agreement

81. This agreement contains the entire contract between the parties, and any prior representations that may have been made by either party to the

other are void. Neither party has relied on such prior representations in entering into this agreement.

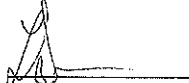
Article IX

Termination Pay

9.1 In the event that Employee's services with corporation should terminate, employee will not receive any termination pay other than the salary that is due up to the date of the termination of his services.

In witness whereof, the parties have executed this agreement at London, Ohio, on Feb 11, 2018.

EMPLOYEE:


Cory Robert Slane
332 Mabel Court
London, OH 43140

BOARD OF COMMISSIONERS,
MADISON COUNTY, OHIO:


David Dhume, Commissioner


Mark Forrest, Commissioner



David Hunter, Commissioner

1 North Main Street
London, OH 43140

Following a second from Mr. Hunter the result of the roll call was: Mr. Dhume, yes, Mr. Hunter, no with the understanding because he feels Mr. Slane should not be the only County employee that has an employee contract, and Mr. Forrest, yes.

Subject: Comprehensive Plan – Accept – Environmental Protection Agency (EPA)

Mr. Forrest moved to accept the comprehensive plan with the EPA in accordance with the information below.


 MADISON COUNTY
 OHIO
 DEPARTMENT OF PUBLIC UTILITIES
 DIVISION OF WATER
 100 North High Street
 Columbus, Ohio 43260-1000
 (614) 265-3000
 www.madisoncountyohio.gov

- City of Columbus : City of Columbus Accepted
- Department of Public Utilities : Petition for An Adjustment
- 331 Dublin Road : of the Columbus Designated
- Columbus, Ohio 43260 : Management Agency
- Designated Management Agency : of the Columbus Designated
- Division of Water : Management Agency
- 100 North High Street : Management Agency
- Columbus, Ohio 43260 : Management Agency
- Madison County Commissioners : City of Columbus Accepted
- 1 North Main Street : Petition for An Adjustment
- London, Ohio 43040 : of the Columbus Designated
- Office of the Madison County : Management Agency
- Sever and Water District : Management Agency
- Erin Thomas, P.E., P.S. : City of Columbus Accepted
- Madison County Engineer : Petition for An Adjustment
- 223 US Rt 42 : of the Columbus Designated
- London, Ohio 43040 : Management Agency
- Office of the Madison County : Management Agency
- Sever and Water District : Management Agency
- Village of Plain City : City of Columbus Accepted
- 211 South Columbus Street : Petition for An Adjustment
- Plain City, Ohio 45326 : of the Columbus Designated
- Designated Management Agency for the : Management Agency
- Village of Plain City : Management Agency

Prescription 25-P3 in Appendix 9-3 of the EPA's State Water Quality Management Plan (SWQP) for the State of Ohio requires that the EPA Division of Water (DOW) (2008 SWQP) be the City of Columbus hereby petition for the City of Columbus to be included in the Columbus Designated Management Agency (DMA) boundary. This proposed Petition requests the Petition for Adjustment of the Columbus RFFA and Columbus local with Ohio EPA on April 11, 2018. In the April 11, 2018 petition, Columbus requested that the RFFA boundary be established to include the Village of Plain City (Village) and an adjacent Village of Plain City expansion area in Madison and Union Counties. In this Petition, Columbus requests the extension of the RFFA boundary westward to include the Village, which is incorporated in both Madison and Union Counties, and an adjacent Village of Plain City expansion area in Madison County only.

Any petitioning Columbus request proposed hereby adjustment including the request on behalf of the Village of Plain City and the adjacent Plain City expansion area in Madison County is also included in Appendix A. The current Columbus RFFA boundary is depicted in Appendix A and the proposed boundary is depicted in Appendix B of this P3.

Plan. This petition has been endorsed by the Madison County Commissioners and the Madison County Engineer on behalf of the Madison County Sewer and Water District, the Designated Management Agency under the 2008 Plan for the unincorporated portions of Madison County, and by the Village, the Designated Management Agency for the Village of Plain City

A. Reasons For Columbus' Boundary Change Request

The Village has determined that it is in its best long-term interest to stop operating its wastewater treatment plant, to connect its wastewater collection system to the City of Columbus collection system, and to contract with Columbus for the treatment of the Village's wastewater. The Village expects future development in the Village's expansion area and intends to provide wastewater collection by the Village and wastewater treatment by Columbus in this area. The Village has determined that Columbus can deliver the most cost effective wastewater transport and treatment for its residents, and for the households, institutions, and businesses located in the expansion area. Accordingly, the Village has requested that Columbus connect its collection system to the Village's system and treat the Village's wastewater.

Significant environmental benefits will result from the connection of the Village's collection system to the Columbus system. Upon such connection, the Village will take its wastewater treatment plant out of service. The Village's wastewater plant currently discharges to the Big Darby Creek. Taking the Plain City plant out of service will improve water quality in the Big Darby, which is designated a National and State Scenic River. In addition, the Codified Ordinances of the Village of Plain City currently contain provisions that are at least as protective of the Big Darby as some of the prescriptions that are contained in Appendix 9-3 of the 2008 Plan. The Village intends to amend its codified ordinances to include provisions that are at least as protective of the Big Darby as the prescriptions contained in Appendix 9-3 that are not currently reflected in the codified ordinances, including Appendix 9-3 prescriptions that apply only in the Franklin County portion of the Big Darby Watershed. With these amendments, the Village's codified ordinances will require stormwater management and development practices that will mitigate the effects of stormwater run-off from commercial and residential development that may occur in the expanded RFFA.

B. Columbus RFFA Boundary Changes Under Prescription 25-P3, Appendix 9-1 Of The 2008 Plan

Prescription 25-P3 governs Columbus RFFA boundary changes. Prescription 25-P3 provides as follows:

25-P3 Boundary Changes, Metro Columbus RFFA

Adjustments to the boundaries of the Metro Columbus RFFA (Map 25-1) may be requested at any time. Petitions for boundary adjustments must include written endorsements of support from each affected management agency, each

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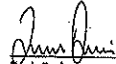
additional wastewater collection infrastructure, including pump stations, to transport wastewater from the Village and its expansion area to the Columbus interceptor sewer near Kitterville. Columbus will also accelerate certain planned improvements to its collection system in order to accommodate Plain City's flows and to continue to meet the levels of service required under Columbus' 2015 Integrated Plan approved by Ohio EPA. (See 2018 Facilities Plan Update.) With these improvements, the Village's expanded infrastructure and Columbus' collection system and wastewater treatment plants will have sufficient capacity to transport and treat the projected peak wastewater flows from the Village and its expansion area. Finally, Columbus will enter into the appropriate service agreements with the Village of Plain City and other jurisdictions as necessary to fulfill its responsibilities as the Designated Management Agency for the expanded RFPA requested in this petition.

additional wastewater collection infrastructure, including pump stations, to transport wastewater from the Village and its expansion area to the Columbus interceptor sewer near Kitterville. Columbus will also accelerate certain planned improvements to its collection system in order to accommodate Plain City's flows and to continue to meet the levels of service required under Columbus' 2015 Integrated Plan approved by Ohio EPA. (See 2018 Facilities Plan Update.) With these improvements, the Village's expanded infrastructure and Columbus' collection system and wastewater treatment plants will have sufficient capacity to transport and treat the projected peak wastewater flows from the Village and its expansion area. Finally, Columbus will enter into the appropriate service agreements with the Village of Plain City and other jurisdictions as necessary to fulfill its responsibilities as the Designated Management Agency for the expanded RFPA requested in this petition.

D. Conclusion

For the reasons stated herein, Columbus requests that Ohio EPA adjust the Columbus RFPA boundary as requested in this amended petition and as shown on the map contained in Appendix A attached to this petition;

Respectfully submitted;


 Frade Davies
 Director
 City of Columbus Department of Public Utilities
 910 Dublin Road
 Columbus, Ohio 43215
 Designated Management Agency Columbus RFPA

Date: 11/30/18

This expanded system includes the entire collection system for each jurisdiction, including all existing and planned infrastructure, and any other infrastructure that is necessary to provide wastewater collection and treatment for the entire system. Under the 2018 Plan, the Village is the preferred jurisdiction with the authority to provide wastewater collection and treatment within its corporate jurisdiction. The Madison County Commission and the Madison County Engineer on behalf of the Madison County Board and the Village are in the process of adjusting the boundary of the Village to include the area requested in this petition. The Village, the Madison County Commission, and the Madison County Engineer have entered into a joint petition. Because the petition does not seek to alter the Columbus RFPA boundary, the Madison County Commission and the Madison County Engineer are not required to file a petition with Ohio EPA to amend the RFPA boundary.

Given the facts of the petition and the Columbus RFPA requested in this amended petition, Columbus is hereby filing this amended petition. Although Columbus is submitting along with this petition an updated facility plan (City of Columbus 2018 Facilities Plan Update) as contained in Appendix B attached hereto, the facility plan update demonstrates that with the construction of the improvements described in the plan, Columbus will have sufficient capacity in its collection system and its wastewater treatment plants to transport and treat projected wastewater flows from the Village and its expansion area in a manner consistent with Columbus' 2015 Integrated Plan approved by Ohio EPA.

C. Columbus Will Have Sufficient Capacity to Serve the RFPA Expansion Area Requested in this Petition and to Transport to Sewer as the Designated Management Agency for that Area

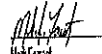
In order to serve the Village and its expansion area, Columbus will construct a 36" interceptor sewer in a pond near Kitterville in Madison County when that sewer is connected to the Village's expanded collection system. (See City of Columbus 2018 Facilities Plan Update contained in Appendix B attached hereto.) The Village will be responsible for

Reviewed and Approved by:
Madison County Commissioners
110 North Main Street
London, Ohio 43040
On Behalf of the Madison County
Sewer and Water District



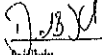
Date: 12-18-18

David Deane
Madison County Commissioner



Date: 12-18-18

Mark Forest
Madison County Commissioner



Date: 12-18-18

David Hunter
Madison County Commissioner

Date: _____

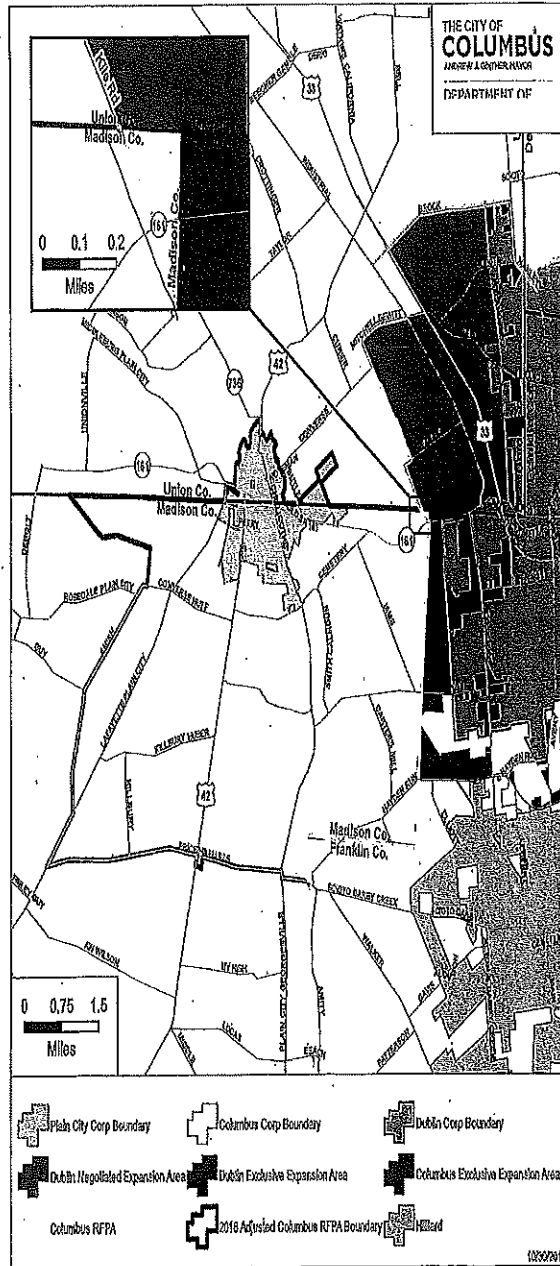
Byron Dorn, P.E., P.S.
Madison County Engineer
666 US 42 NE
London, Ohio 43040
On Behalf of the Madison County
Sewer and Water District

Date: _____

Heather Cahel
Village Administrator
Village of Plain City
210 South Calhoun Street
Plain City, Ohio 45324
Designated Management Agency for the
Village of Plain City

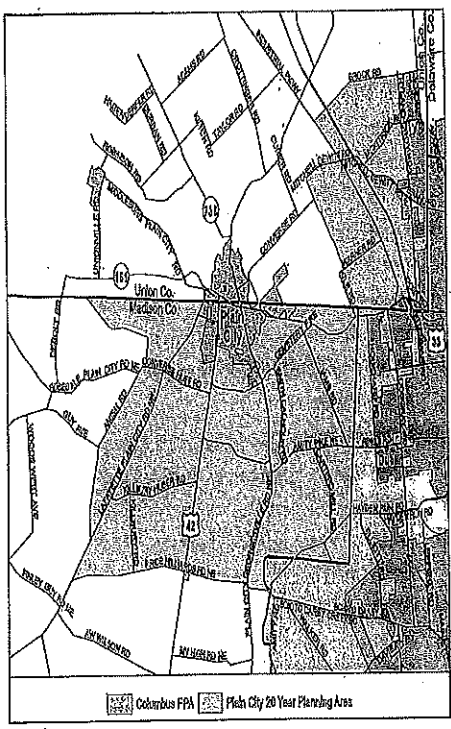
Appendix A

Government Forms and Supplies E 18076156V



Hazen Hazen and Sawyer
100 East Chagrin View Blvd, Suite 150
Columbus, OH 43226 • 614-761-9555

Appendix B



City of Columbus
2018 Facilities Plan Update
 December 6, 2018

Government Forms and Supplies E180751SRV

City of Columbus
2100 Franklin Park Village
Columbus, OH

City of Columbus
2100 Franklin Park Village
December 5, 2018

Executive Summary

The Village of Plain City anticipates significant development beginning soon and spanning over the next 20 years. This development will exceed the Village's treatment capacity, and the Village determined that connection to Columbus' system would be cost effective and protective of Big Darby Creek. The City of Columbus has sufficient capacity for transporting and treating the flow at its two treatment facilities. This facility plan outlines the improvements needed to connect the systems and provide treatment.

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City of Columbus

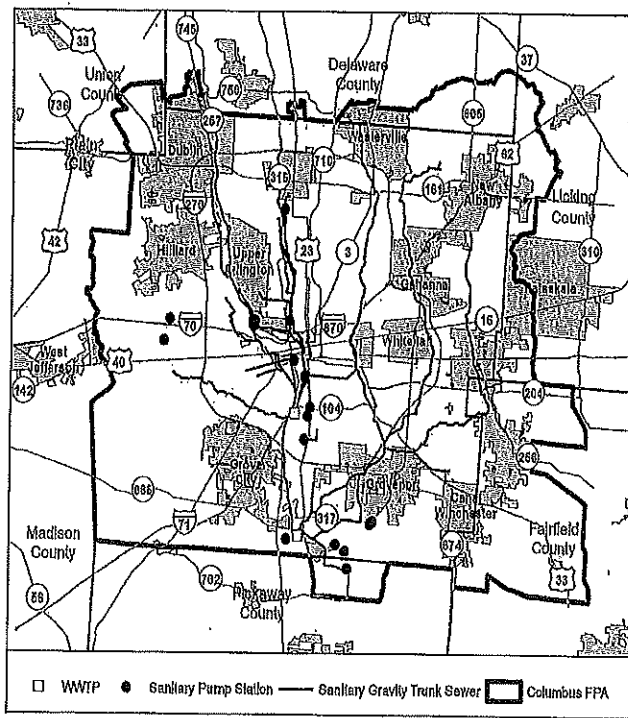
Horizonal Systems

City of Columbus
2018 Facilities Plan Update
December 5, 2018

1. Columbus' Service Area

The City of Columbus provides sewer and wastewater treatment services for the majority of Franklin County, as well as some portions of the surrounding counties. Figure 1 below shows the existing Facilities Planning Area (FPA) boundary for the City of Columbus in green. Key features such as wastewater treatment plants, trunk sewers, and pump stations are also indicated on the map.

Figure 1: City of Columbus Existing Facilities Planning Area



Government Forms and Supplies E199761SKV

City of Columbus
2018 Facilities Plan Update
December 1, 2018

1.1 Columbus Sewer System Condition

The City of Columbus recently submitted the Integrated Plan and 2019-2029 WWSRF Report (Integrated Plan) to the Ohio EPA in response to the current rules. The Integrated Plan includes the collection system through which water is collected and transported to the wastewater treatment plant. The Integrated Plan also includes the sewer system that carries the wastewater from the collection system to the wastewater treatment plant. The Ohio EPA approved the Integrated Plan in December 2018.

The wastewater system is a complex system. The majority of the system is made up of small, individual collection lines that serve individual properties. These lines are connected to larger, main collection lines that carry the wastewater to the wastewater treatment plant. The Integrated Plan includes a detailed description of the system and the condition of the system. The Integrated Plan also includes a list of projects that are needed to improve the system and meet the requirements of the Ohio EPA.

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- Sewer pipe and joint repair
- Sewer pipe
- Sewer pipe
- Sewer pipe

The Integrated Plan includes a list of projects that are needed to improve the system and meet the requirements of the Ohio EPA. These projects include sewer pipe and joint repair, sewer pipe, sewer pipe, and sewer pipe.

The City of Columbus is in the process of implementing the projects included in the Integrated Plan. The City of Columbus is committed to providing a high-quality wastewater collection system for its residents. The City of Columbus is committed to providing a high-quality wastewater collection system for its residents.

The Integrated Plan includes a list of projects that are needed to improve the system and meet the requirements of the Ohio EPA. These projects include sewer pipe and joint repair, sewer pipe, sewer pipe, and sewer pipe.

Hazen and Sawyer

City of Columbus
2018 Facilities Plan Update
December 5, 2018

were simulated in the model, therefore a 10-year level of service is achieved if the number of overflows is 2 or fewer. Likewise, WBS locations were determined from the modeling where the hydraulic grade line of the sewer exceeded the estimated base level elevation more than 2 times in the 20-year period. Table 1 summarizes the levels of service required by the plan at the end of the program.

Table 1: Integrated Plan Levels of Service

Location	Level of Service
SSO	10-year
WBS	10-year

1.2 Columbus Wastewater Treatment Capacity

The City of Columbus owns and operates two wastewater treatment plants: Jackson Pike and Southbury (JFWWTP, SWWTP). The plants are rated for 63 and 114 million gallons per day (mgd) average daily flow, respectively. The treatment plants were upgraded to capture additional peak flows in 2010. The peak capacity of both plants was increased by 50%, so that the JFWWTP now has a peak capacity of 150 mgd, and the SWWTP can treat a peak of 330 mgd. These improvements helped to address substantial reduction in the City's most active combined sewer overflow and were part of the City's approved 2005 Wet Weather Management Plan (W2MP). A unique feature of Columbus' system is that between the plants is an intercepting sewer which allows flows that exceed the capacity of the JFWWTP to be sent to the SWWTP for treatment.

During the negotiations with the Ohio EPA regarding the W2MP project implementation schedule and the opportunity to explore alternatives, the Ohio EPA agreed to accelerate the schedule for a treatment project to provide more peak treatment capacity. Both parties agreed that a chemically enhanced primary treatment (CEPT) train to treat an additional 110 mgd of flow would be constructed at the SWWTP. The CEPT project is currently under construction and will be online at the end of 2019. The Integrated Plan modeling indicates that the facility will be operated approximately 1 times a year and will help achieve the required levels of service.

The CEPT process was chosen over conventional biological treatment because the population of the service area could not yet support a fourth full treatment train at the SWWTP (the only plant where sufficient footprint exists for conventional expansion). Prior projections estimated that the fourth biological treatment train at the SWWTP could not be supported until 2030.

The Integrated Plan also calls for a second train of the intercepting sewer to be constructed near the SWWTP. For much of its length the intercepting sewer is 13-foot in diameter. However, just before the Solon River crossing, the diameter of the intercepting sewer is 8.5 feet. By the end of the Integrated Plan a second 8.5-foot diameter section will be added to reduce bottlenecks in this sewer which will occur in the future conditions.

Hazen and Sawyer

City of Columbus
2018 Facilities Price Update
December 5, 2018

City of Columbus
2018 Facilities Price Update
December 5, 2018

2. Village of Plain City Needs

The Village of Plain City (Village) is located in the Columbus Metropolitan Area, and is the largest city in Madison County. The Village is currently in the process of updating its Comprehensive Zoning Ordinance (CZO) and is currently in the process of updating its Comprehensive Zoning Ordinance (CZO) and is currently in the process of updating its Comprehensive Zoning Ordinance (CZO).

11. Wastewater Treatment

The Village of Plain City uses an existing wastewater treatment plant, which discharges into Big Darby Creek. The wastewater treatment plant is currently in the process of being upgraded to meet the requirements of the Ohio Department of Health (ODH) and the Ohio Department of Public Safety (ODPS).

Table 1: Plain City Wastewater Treatment Plant Permits (2012 - 2017)

Year	Permit Type
2012	104
2013	107
2014	108
2015	108
2016	108
2017	108
2018	108
2019	108
2020	108
2021	108
2022	108
2023	108
2024	108
2025	108
2026	108
2027	108
2028	108
2029	108
2030	108

ODH and ODPS are the agencies that regulate the Plain City Wastewater Treatment Plant.

The Plain City Wastewater Treatment Plant is currently in the process of being upgraded to meet the requirements of the Ohio Department of Health (ODH) and the Ohio Department of Public Safety (ODPS).

Noted

Table 3: Plain City Wastewater Treatment Plant Permit Exceedances (8/1/2012 - 8/1/2017)

Month/Year of Permit Exceedance	TS	TSS	Other
January 2013	X		
July 2013			pH
May 2014	X	X	
June 2014	X		TP
July 2014	X		
September 2014			Food coliform
March 2015	X	X	TP
April 2015	X		
July 2015	X		
September 2015			E. coli
December 2015	X		
June 2016	X		
July 2016	X		

2.1.1 Big Darby Creek

The Big Darby Creek watershed drains agricultural areas and suburbs. The Plain City wastewater treatment plant discharges directly to the Big Darby Creek. Plain City is within the Robinson Run-Big Darby Creek Watershed Assessment Unit boundary which has 9 monitored stations.

The Ohio 2016 Integrated Report summarizes the data acquired during the 2014 sampling effort to determine if these waters meet their assigned use designations. The Big Darby is designated an exceptional warmwater habitat (EWH) water, meaning that it has exceptional or unusual biological communities. The Big Darby is also identified as an outstanding state water, thus requiring an additional level of protection.

Assessment data indicate that the Big Darby is fully supporting the human health use because fish tissue levels of PCBs or mercury are below water quality standards. The recreation use designation is listed as impaired, however a total maximum daily load (TMDL) has been completed for this watershed, and no sources of impairment are listed in the report. The Robinson Run-Big Darby watershed is in full attainment based on biological and chemical data collected.

Hezen and Sawyer

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City of Dublin
2018 Facilities Plan Update
December 18, 2018

Table 4: WWTAP Daily Peak Loading Results

Service Location	2018			
	Full	50%	25%	10%
REPRESENTATIVE PLANNED DEVELOPMENT				
REPRESENTATIVE PLANNED DEVELOPMENT				
REPRESENTATIVE PLANNED DEVELOPMENT				
REPRESENTATIVE PLANNED DEVELOPMENT				
REPRESENTATIVE PLANNED DEVELOPMENT				

Overall, the results of the Big Darby Creek study indicate that the planned development in the area will be served by the existing Big Darby Creek WWTAP. The study also indicates that the existing Big Darby Creek WWTAP is capable of serving the area for the next 20 years.

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1.1.2 Growth

There is a need to develop the area around the Big Darby Creek WWTAP. The study also indicates that the existing Big Darby Creek WWTAP is capable of serving the area for the next 20 years.

1.1.3 Hazards

The study also indicates that the existing Big Darby Creek WWTAP is capable of serving the area for the next 20 years. The study also indicates that the existing Big Darby Creek WWTAP is capable of serving the area for the next 20 years.

City of Columbus
2018 Facilities Plan Update
December 5, 2018

Industrial and residential areas. However, the Village's wastewater treatment plant does not have sufficient capacity to serve the entire planned area. Table 5 below shows the projected wastewater flows from existing through full build out in 20 years.

Table 5: Projected Wastewater Flows

Year	Current	2018
Current	0.76	3.0
Year 6	1.12	4.0
Year 20	3.69	11.69

The Village initiated a study to determine how best to serve the development. The study analyzed three different options: expansion of the existing Plain City services, connection to the Maysville system, or connection to the Columbus system. The study concluded that connection to Columbus would be the most cost-effective option for the Village and could also allow the planned development to be served faster than if the Village were to provide service. Moreover, further expansion of the Plain City WWTP would mean ever decreasing concentrations in the effluent due to the state waste load allocated to the plant in the TMDL. Regionalization to Columbus would be protective of the Big Darby watershed, allowing the wastewater treatment plant to discontinue discharge into the creek.

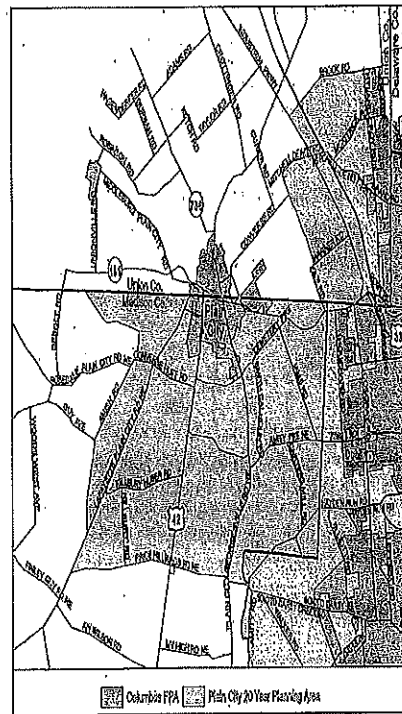
Therefore, to serve the planned development and protect the Big Darby watershed cost effectively the Village chose regionalization over expansion.

2.2 Delineation of Proposed Additional Service Area

Plain City delineated a 20-year service boundary to indicate the area expected to be served in the full development horizon. This area is directly adjacent to Columbus' existing PPA and contains the existing Plain City service area, the planned development area between Plain City and Dublin as well as area to the west and south. This proposed service area would add approximately 19,296 acres to Columbus' PPA, 2,700 of which associated with the current planned development.

City of Columbus
2018 Facilities Plan Update
December 5, 2018

Figure 2: Plain City 20-Year Facilities Planning Area



2.3 Areas Without Sewers

As development continues in the planning area indicated in Figure 2 sewers conveying wastewater to the City of Columbus treatment system will be provided. Expansion to areas surrounding Plain City will require home sewage treatment systems in the Big Darby watershed. Timing and extent of expansion of the sewer system is dependent on future development pace and location. The Village of Plain City will construct trunk sewers and provide transport to Columbus. Future developments will be responsible for service lines within the development itself.

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City of Columbus
2018 Public Plan Update
December 5, 2018

3. Improvements Necessary

The Plain City system will require improvements in both the collection system and the treatment plant in order to connect to the Columbus system. The Plain City needs developed requirements for their collection system and treatment plant based on the projected equivalent residential units (ERU) from future development. Development will consist of a mix of low, medium, and high density residential, commercial, industrial, and other uses with both commercial and industrial use. If your area were assigned to the phased area and the equivalent ERU for the 4- and 10-year horizons were separately they are presented in the table below.

Table 6: Equivalent Residential Units for the Planning Horizons

Area	4 Year	10 Year	Total
Current Service Area	1,456	1,892	3,348
Development in the 10 Center	0	1,113	1,113
Total	1,456	3,005	4,461

Also, the additional service area project was assessed on Columbus' treatment system. Flow associated with Plain City was included in the modeling that developed as part of Columbus' Integrated Planning effort to that compliance with recent water requirements would be assessed. The additional flow from Plain City has no impact on Columbus' system requiring the construction of previously identified projects to be accelerated and modified in their construction.

3.1 Collection System

3.1.1 Plain City

In order to connect to the Columbus collection system, the following improvements were identified as necessary (additional service lines would be the responsibility of the developer):

- 2,603 feet of 36-inch sewer (gravity)
- 11,400 feet of 24-inch sewer (gravity)
- 21,250 feet of sanitary force main
- 2 sanitary pump stations

These improvements are necessary to support two separate areas that will be fully developed at the time. One area of development is adjacent to Plain City (to the east of the existing village). The other area is further east, adjacent to Dublin.

Hansen and Sawyer

City of Columbus
2018 Public Plan Update
December 5, 2018

To support development located immediately east of Plain City, in the first 5-year 2,000 feet of 36-inch sewer will be installed to bring flow from the development, under Big Duffey Creek, to the existing Plain City WWTP for treatment.

To serve initial development near Dublin, a pump station will be needed, the East Pump Station. The pump station will be located west of Dublin, near Kitterfield. This pump station will collect flows to Columbus' proposed 36-inch sewer planned for the area (as referenced in 3.1.2). The force main will be approximately 6,500 feet in length. It is anticipated that this pump station will be online in the first 5 years. In the 10-year horizon this pump station will have to be expanded, as development occurs.

Beyond the 5-year horizon, a second pump station will be located in the existing WWTP and will send flow to Columbus through a force main (21,000 feet in length). Initially only one force main will be installed, but a second force main will be necessary in the future.

Table 7: Plain City Collection System Improvement Estimated Costs

Improvement	4 Year	10 Year	Total
2,603 feet of 36-inch gravity sewer under Big Duffey	\$100,000	\$180,000	
16,600 feet of 24-inch gravity sewer along Dublin from I-67	\$4,000,000		\$4,000,000
East Pump Station	\$1,500,000	\$160,000	\$1,660,000
Force main from East Pump Station to Columbus sewer	\$100,000	\$422,000	\$522,000
Pump Station at Plain City WWTP	\$3,500,000		\$3,500,000
Force main from Plain City WWTP to Columbus sewer	\$1,850,000		\$1,850,000
Land, Easements, Engineering and Permits	\$3,200,000	\$1,200,000	\$4,400,000

3.1.2 Columbus

Columbus would be responsible for building approximately 10,500 feet of 36-inch sewer in Kitterfield to receive flow from the East Pump Station (serving initial development near Dublin). This project will take approximately 5 years to complete and is necessary to connect the two collection systems.

The Plain City flow will increase the flow in the Solon Main Trunk Sewer. Currently there is a project under design that will perform lining on the Solon Main between Briggs Dam and West River Street. Construction of this project is expected to be completed in 2022. All collection system modeling assumes that this improvement is already constructed.

Hansen and Sawyer

City of Columbus
221 The Ohio Plaza North
December 1, 2018

City of Columbus
2018 Facilities Plan Update
December 1, 2018

The estimates for the proposed Plain City's sewer system are based on the existing system, including any proposed. The model used includes sewer lines from the development period of the Integrated Plan. Columbus system modeling indicates that at the end of the 20-year development period, all sewer lines would be replaced. Then, an increase from 100 PWD to 150 PWD is projected for the 20-year period. The number of projects used to be the basis for the 100 PWD (40-year modeling). The modelled PWD results are the number of sewer lines for the 100 PWD model. The plan for PWD is based on sewer lines for the base condition. Table 10 illustrates that by adding Plain City sewer lines 100 and PWD lines.

Table 1: Columbus Consent Order Compliance at 20-Year Horizon, 20-Year Run

Scenario	2018 PWD	2018 PWD	2018 PWD
Base Condition	2	38	98
With Plain City	3	24	104

Columbus system modeling also projected the 5-year horizon. This model indicates that the addition of Plain City lines would increase number of PWDs for each scenario in the 5-year horizon. Note that in the 5-year horizon 100 PWD is not in compliance for the 100 PWD model because the planned improvements to decrease the PWD are not yet in place.

Table 2: Columbus Consent Order Compliance at 5-Year Horizon, 20-Year Run

Scenario	2018 PWD	2018 PWD	2018 PWD
Base Condition	1	19	9
With Plain City	3	22	11

Improvements needed in Columbus collection system to serve the Plain City area will provide 100 PWD service to existing Columbus customers. The Integrated Plan recommended a second round of Columbus sewer system to reduce sewer lines for 100 PWD and reduce PWDs in its coverage of the 20-year plan. The improvements to 100 PWD and PWDs from the construction of this project are shown in Table 11 to be the base condition. This improvement plan is for the end of the Integrated Plan program, with construction completed in 2018.

In order to meet or exceed the base condition shown in Table 11 for addition of Plain City lines, further modeling indicates that the planned sewer lines would need to be added to the schedule. A description of the improvements is provided in Table 11.

Table 10: Recommended Improvements

Improvement	Description
Kiewit Sewer	Construct 18,600 linear feet of 36-inch pipe from Columbus' existing system to Kiewit to receive flows from Plain City's East Pump Station (year 2025)
Second Barrel of the Interconnector Sewer	Construct 2,176 linear feet of 36-inch pipe from the east bank of the Scioto River to the indirect Junction Chamber

The recommended improvements were simulated in both the 20- and 5-Year planning horizons. Results are given in the tables below. Because there is a greater than 50% increase in PWDs in the 5-year horizon, Columbus proposes to move these improvements up in the schedule, to coincide with 5-year flows from Plain City. Tables 11 and 12 show the results after construction of these improvements.

Table 11: Columbus Consent Order Compliance at 20-Year Horizon Including Recommended Improvements, 20-Year Run

Scenario	2018 PWD	2018 PWD	2018 PWD
Base Condition	2	39	98
With Plain City	3	28	110
With Plain City and Recommended Improvements	1	36	0

Table 12: Columbus Consent Order Compliance at 5-Year Horizon Including Recommended Improvements, 20-Year Run

Scenario	2018 PWD	2018 PWD	2018 PWD
2020 Condition	3	139	10
With Plain City	3	212	11
With Plain City and Recommended Improvements	1	20	0

The estimated costs for the recommended improvements are included in the table below.

Hazen and Sawyer

Hazen and Sawyer

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will be constructed as needed based on planned development and existing flows. A detailed schedule for Columbus' 5-Year Improvements is given in Table 16.

Table 15: Wastewater Collection System Improvement Estimated Costs

Improvement	Estimated Cost
324 ft of 36-inch gravity sewer	\$1,341,000
East Pump Station Interceptor Sewer	\$7,000,000

II. Wastewater Treatment

III. Plain City

Plain City will enter into a long-term agreement with the City of Columbus to provide wastewater treatment services for the Village of Plain City. The agreement will include the design, construction, operation, and maintenance of the wastewater treatment plant and associated collection system. The agreement will also include the provision of sludge and biosolids. The agreement will be for a term of 25 years, with an option to renew for an additional 25 years.

The City of Columbus will enter into a long-term agreement with the Village of Plain City to provide wastewater treatment services for the Village of Plain City. The agreement will include the design, construction, operation, and maintenance of the wastewater treatment plant and associated collection system. The agreement will also include the provision of sludge and biosolids. The agreement will be for a term of 25 years, with an option to renew for an additional 25 years.

Table 16: Plain City Wastewater Treatment Improvement Estimated Costs

Improvement	Estimated Cost
324 ft of 36-inch gravity sewer	\$1,341,000

III. Other

The City of Columbus will enter into a long-term agreement with the Village of Plain City to provide wastewater treatment services for the Village of Plain City. The agreement will include the design, construction, operation, and maintenance of the wastewater treatment plant and associated collection system. The agreement will also include the provision of sludge and biosolids. The agreement will be for a term of 25 years, with an option to renew for an additional 25 years.

IV. Schedule for Improvements

A number of improvements are necessary to serve the Village of Plain City. The improvements will be completed in a number of phases over the next five years. The first phase will include the design and construction of the wastewater treatment plant and associated collection system. The second phase will include the design and construction of the wastewater treatment plant and associated collection system. The third phase will include the design and construction of the wastewater treatment plant and associated collection system. The fourth phase will include the design and construction of the wastewater treatment plant and associated collection system. The fifth phase will include the design and construction of the wastewater treatment plant and associated collection system.

Table 16: Schedule for Improvements

Year	Improvement	Estimated Cost
2020	2,000 feet of 36-inch gravity sewer under Big Darby Creek (to Plain City WWTP)	Pump Station of the Plain City WWTP (and necessary expansion)
2021	Upgrades to Plain City WWTP and collection system	21,000 feet of force main (to Columbus' sewer from Plain City WWTP, including expansion)
2022	East Pump Station	East Pump Station expansion
2023	6,500 ft of force main from East Pump Station to Columbus' sewer	Second force main from East Pump Station to Columbus' sewer
2024	10,500 ft of 36-inch gravity sewer (Columbus Sewer) (Columbus)	10,000 feet of 24-inch gravity sewer along State Route 161
2025	Second Barrel of the Interceptor Sewer (Columbus)	Plain City WWTP Offsets

The City of Columbus will enter into a contract agreement with the Village of Plain City. The Village will be a master metered community with the City of Columbus. This means that the Village will still own, maintain, and operate their collection system. The Village will be responsible for providing flow to the City of Columbus' sewers. Columbus will enter a long-term agreement with the Village and the Village will provide Columbus payment for the treatment and conveyance of wastewater from the Village. The City of Columbus will be responsible for the operation and maintenance of its collection system and the wastewater treatment plants.

Hazen and Sawyer

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Table 16: City of Columbus Schedule for Improvements

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Killeville Sewer													
RFP													
Design													
Assessments													
Construction													
Second Source of Interconnection													
RFP													
Design													
Assessments													
Construction													
Scioto Main Rehabilitation (L-1100)													
Design													
Assessments													
Construction													

Hazen and Sawyer

Following a second from Mr. Hunter the result of the roll call was: Mr. Dhume, yes, Mr. Hunter, yes, and Mr. Forrest, yes.

Subject: Resolution – Approved – Executive Session

Mr. Hunter moved to enter into executive session at 8:51 a.m. for economic development.

Following a second from Mr. Forrest the result of the roll call was: Mr. Dhume, yes, Mr. Hunter, yes, and Mr. Forrest, yes.

Subject: Resolution – Approved – Executive Session

Mr. Hunter moved to exit out of executive session at 9:08 a.m. No action was taken.

Following a second from Mr. Forrest the result of the roll call was: Mr. Dhume, yes, Mr. Hunter, yes, and Mr. Forrest, yes.

Subject: Resolution – Approved – Executive Session

Mr. Hunter moved to enter into executive session at 9:08 a.m. to discuss a personnel issue.

Following a second from Mr. Forrest the result of the roll call was: Mr. Dhume, yes, Mr. Hunter, yes, and Mr. Forrest, yes.

Subject: Resolution – Approved – Executive Session

Mr. Hunter moved to exit out of session at 9:29 a.m. No action was taken.

Following a second from Mr. Forrest the result of the roll call was: Mr. Dhume, yes, Mr. Hunter, yes, and Mr. Forrest, yes.

Subject: Resolution – Approved – LAEPP

Mr. Hunter moved per the request of Julia Cumming, Soil & Water Administrator, to approve the following:

Owners can sign up for the land owner's application from 1-15-18 to 3-29-18 for the Local Agricultural Easement Purchase Program.

Following a second from Mr. Forrest the result of the roll call was: Mr. Dhume, yes, Mr. Hunter, yes, and Mr. Forrest, yes.

Subject: Publication – Approved – Professional Services

Mr. Forrest moved to publish the request of quote (RFQ) for publication on 12-23-18 in the Madison Messenger for the following:

LEGAL ANNOUNCEMENT

The Madison County Commissioners intend to contract for professional services in connection with the design, bidding, construction administration, construction observation and funding administration of water treatment plant improvements and water lines. This project includes renovations at an existing water treatment plant and new water lines in the county. Engineering firms interested in being considered for a contract to provide the required services should reply with a statement of qualifications in triplicate no later than 4pm on January 11th, 2019. Statements received after this deadline will not be considered.

Statements of qualifications should include information regarding the firm's technical approach to the project, experience of the firm on similar projects, past performance on projects in Madison County or similar size counties, experience of the key project personnel, a minimum of three references and any previous experience with project funding. Statements of qualifications shall be limited to twenty (20) pages, including cover letters, etc.

Statements of qualifications shall be delivered to:

Mr. Rob Slane
Madison County Administrator
1 North Main St
London, Ohio 43140

Statements of qualifications should be marked "Statement of Qualifications for Professional Design Services for Madison County Water Project" on the outside of the envelope.

Responding firms will be evaluated based upon their qualifications. Following this evaluation, the Madison County Commissioners will enter into contract negotiations with the highest ranked firm.
Rob Slane, County Administrator

Following a second from Mr. Hunter the result of the roll call was: Mr. Dhume, yes, Mr. Hunter, yes, and Mr. Forrest, yes.

Subject: Park Board – Approved – Financial

Mr. Forrest moved to approve the monthly Park Board financial sheet.

MADISON COUNTY METROPOLITAN PARK BOARD
December 2017

<hr/>	
Balance as of Park Board November, 2018	\$441.18
 <hr/>	
<u>Expenses</u>	
Storts Sanitation.	\$240.00
 <u>Revenue</u>	
	\$0
 <u>Balance</u>	
	\$201.18
<hr/>	
Double Bond Balance	Balance is \$21,084.64
 <u>Expenses</u>	
Howard Yoder -- Mowing Expenses	\$900.00
 <u>Revenue</u>	
	\$ 0.00
 <u>Balance</u>	
	\$ 20,184.64

Following a second from Mr. Hunter the result of the roll call was: Mr. Dhume, yes, Mr. Hunter, yes, and Mr. Forrest, yes.

Old Business

Engineer Report –

- Trail inspections – Has been postponed until further notice.
- Signs have been knocked down along the bike trail and the Engineer's Department will take care of the signage.
- The Engineer's Department will take care of the tree trimming in the right of way.
- According to Bryan Dhume, Engineer, the mowing of the trail was an issue this past year. The cost of a part – time seasonal employee would be ~ \$15K to \$18K. It was recommended the Engineer's Department take over this role. Rob Slane also mentioned that the City of London may also contact the Engineer's Department to mow the bike trail in the city.

Friends of The Trail Report

- Wayne Roberts mentioned that the FMCPT has had a meeting with Central Ohio Green and various organizations around Central Ohio that meets with MORPC to discuss an increase in housing and more groups that are participating and having interest in expansion.
- According to Julia she is working with teachers at Jonathon Alder and West Jefferson schools to see if they may be interested in working on projects along the Prairie Grass Trail.
- Julia is planning on taking out honey suckle on the Earth Day Event. She is organizing sponsors for donations for this event.
- Julia is working with ODNR for prairie burns along the Little Darby Preserve. Looking for volunteers for this to be done.
- The Recreational Trails Grant paperwork is due February 1, 2019. It may take up to two years before a response is received.

Subject: Retention Meeting

The quarterly Retention Meeting took place on December 18, 2018 at 11:00 a.m.

Those Present

- MADISON COUNTY COMMISSIONERS
Quarterly Retention Meeting
December 18, 2018 - 11:00 a.m.
1. Dennis Kauer
 2. Greg Lewis
 3. Mike Lickona
 4. _____
 5. Greg Caplan
 6. James Hunter
 7. D. B. St.
 8. David D.
 9. Mark Forrester
 10. _____
 11. _____
 12. _____
 13. _____
 14. _____
 15. _____
 16. _____
 17. _____
 18. _____
 19. _____
 20. _____
 21. _____
 22. _____
 23. _____

Discussion

The Recorder is waiting on shredding and moving services for archived records. These records will be moved from the Courthouse attic to the storage area at Lafayette St. The Treasurer has already had her records moved to Lafayette St. The shelving racks were recently installed at Lafayette St. for the Recorder and the Treasurer to store these archived items. Jennifer Hunter, Auditor, is also waiting on shredding services for the Auditor's department.

Subject: Personnel Action – Approved – Sanitary Sewer

Mr. Hunter moved to approve the personnel action for the following:

Hire: Daniel Fonseca "Treatment Plant Operator II". Effective 1-2-19. \$22.19 per. /hr.

Following a second from Mr. Forrest the result of the roll call was: Mr. Dhume, yes, Mr. Hunter, yes, and Mr. Forrest, yes.

David Dhume
David Dhume

David Hunter
David Hunter

Mark Forrester
Mark Forrester

ATTEST: Katie Weisman