
SEWAGE FACILITIES PLANNING MODULE

DEP Code No. XXXXX-XX-XX

for

LINCOLN PLACE COMBINED SAFETY FACILITY 1201 Mifflin Road City of Pittsburgh, Allegheny County, Pennsylvania

Prepared For:

**City of Pittsburgh – Department of Public Works
414 Grant Street, Suite 301
Pittsburgh, PA 15219**

Prepared By:

**Langan Engineering and Environmental Services, Inc.
2400 Ansys Drive, Suite 403
Canonsburg, Pennsylvania 15317**

LANGAN

**May 2023
250129401
Last Revised: July 2023**

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APPENDIX A

Transmittal Letter and Correspondence



**TRANSMITTAL LETTER
 FOR SEWAGE FACILITIES PLANNING MODULE**

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH. ID #

TO: Approving Agency (DEP or delegated local agency)

Date _____

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by _____
 (Name)

_____ for _____
 (Title) (Name)

a subdivision, commercial ,or industrial facility located in _____

_____ County.
 (City, Borough, Township)

Check one

(i) The planning module, as prepared and submitted by the applicant, is approved by the municipality as a proposed revision supplement for new land development to its Official Sewage Facilities Plan (Official Plan), and is adopted for submission to DEP transmitted to the delegated LA for approval in accordance with the requirements of 25 Pa. Code Chapter 71 and the *Pennsylvania Sewage Facilities Act* (35 P.S. §750),

OR

(ii) The planning module will not be approved by the municipality as a proposed revision or supplement for new land development to its Official Plan because the project described therein is unacceptable for the reason(s) checked below:

Check Boxes

Additional studies are being performed by or on behalf of this municipality which may have an effect on the planning module as prepared and submitted by the applicant. Attached hereto is the scope of services to be performed and the time schedule for completion of said studies.

The planning module as submitted by the applicant fails to meet limitations imposed by other laws or ordinances, officially adopted comprehensive plans and/or environmental plans (e.g., zoning, land use, 25 Pa. Code Chapter 71). Specific reference or applicable segments of such laws or plans are attached hereto.

Other (attach additional sheet giving specifics).

Municipal Secretary: Indicate below by checking appropriate boxes which components are being transmitted to the approving agency.

- | | | |
|--|---|--|
| <input type="checkbox"/> Resolution of Adoption | <input type="checkbox"/> 3 Sewage Collection/Treatment Facilities | <input type="checkbox"/> 4A Municipal Planning Agency Review |
| <input type="checkbox"/> Module Completeness Checklist | <input type="checkbox"/> 3s Small Flow Treatment Facilities | <input type="checkbox"/> 4B County Planning Agency Review |
| <input type="checkbox"/> 2 Individual and Community Onlot Disposal of Sewage | | <input type="checkbox"/> 4C County or Joint Health Department Review |

 Municipal Secretary (print)

 Signature

 Date

CORRESPONDENCE

Tom Martz

From: Ari Wynn <AWynn@pgh2o.com>
Sent: Tuesday, July 12, 2022 8:59 AM
To: Rachel McCune
Subject: [External] Most Limited Capacity Sewer Map - DEV-57-0322 - 1201 Mifflin Avenue
Attachments: GISMap_1201MifflinRoad.pdf

Rachel,

I have attached a screenshot of our GIS map. Let me know if you have any further questions.

Thanks,



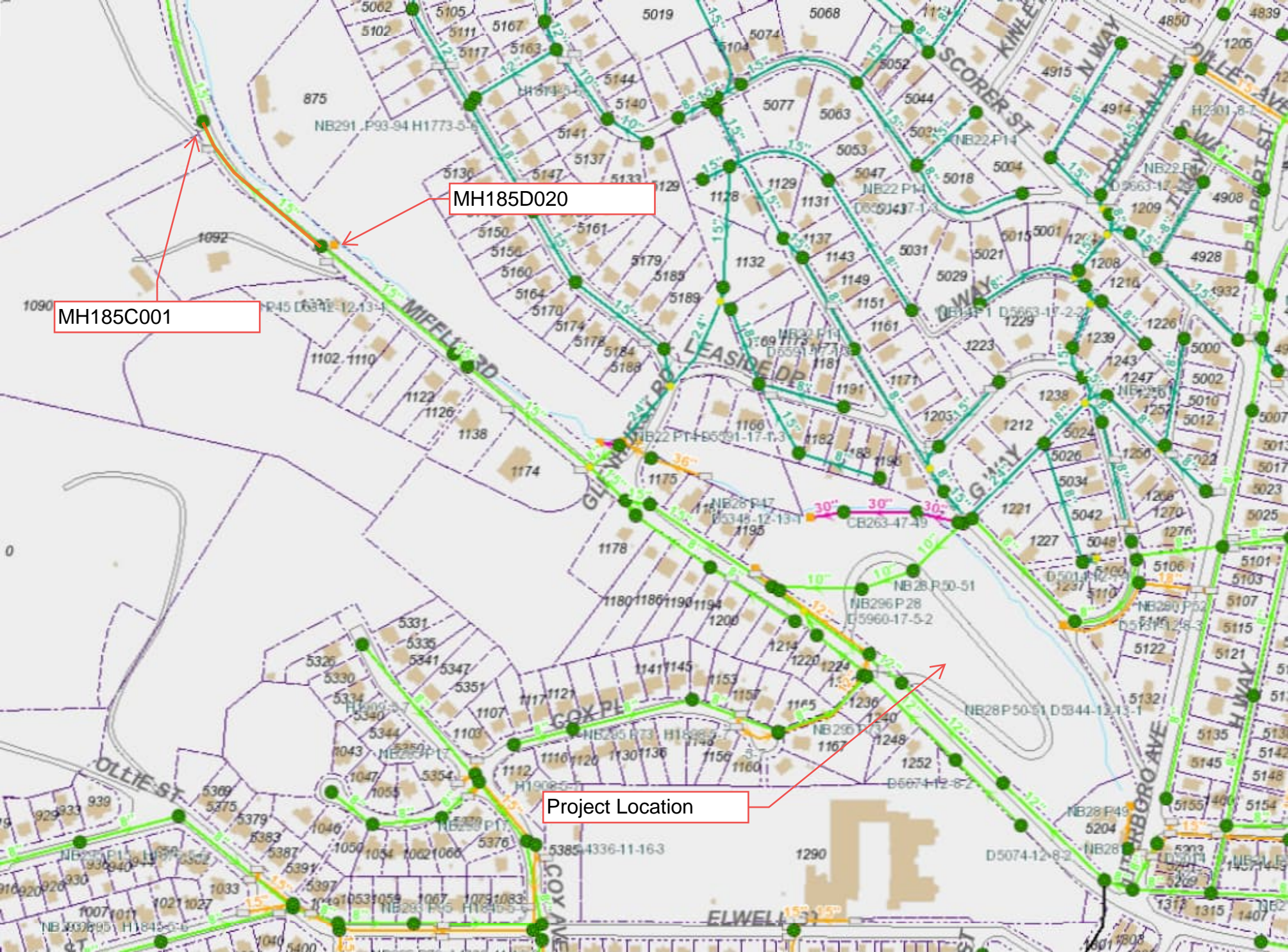
Ari Wynn
Co-operative Program
Ext: 6875

Pittsburgh Water and Sewer Authority
Pittsburgh, PA 15222

<https://pgh2o.com>



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MH185C001

MH185D020

Project Location

Most Limited Capacity Sewer (MLCS) Spreadsheet

PROJECT NAME: 1201 Mifflin Road
 PWSA PROJECT NUMBER: 57
 PWSA REVIEWER: Ari Wynn
 DATE: May 31, 2022

LEGEND:

Output Data
Input Data
Questionable Data
Hydraulically Limited Sewer

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpd
JCT184E011	MH184E010	1073.96	1063.13	84.55	12	VCP	0.015	0.79	3.142	12.81%	7,161,673
MH184E010	MH185H004	1063.13	1043.95	319.94	15	VCP	0.015	1.23	3.927	5.99%	8,883,289
MH185H004	MH185H003	1043.95	1039.80	51.89	15	VCP	0.015	1.23	3.927	8.00%	10,260,440
MH185H003	JCT185H001	1039.80	1039.07	105.26	15	VCP	0.015	1.23	3.927	0.69%	3,021,437
JCT185H001	MH185D018	1039.07	1011.00	343.94	15	VCP	0.015	1.23	3.927	8.16%	10,364,864
MH185D018	MH185D019	1011.00	1009.69	41.16	15	VCP	0.015	1.23	3.927	3.18%	6,472,644
MH185D019	MH185D020	1009.69	996.38	367.76	15	VCP	0.015	1.23	3.927	3.62%	6,902,248
MH185D020	MH185C001	996.38	978.47	376.57	15	VCP	0.015	1.23	3.927	4.76%	7,912,408
MH185C001	MH134R003	978.47	958.08	368.22	15	VCP	0.015	1.23	3.927	5.54%	8,537,657
MH134R003	MH134R002	958.08	939.68	342.06	15	VCP	0.015	1.23	3.927	5.38%	8,414,756
MH134R002	MH134R001	939.68	921.30	303.42	15	VCP	0.015	1.23	3.927	6.06%	8,929,650
MH134R001	MH134L003	921.30	901.72	329.16	15	VCP	0.015	1.23	3.927	5.95%	8,848,845
MH134L003	MH134L002	901.72	875.61	410.81	15	VCP	0.015	1.23	3.927	6.36%	9,146,748
MH134L002	MH134L001	875.61	851.00	383.97	15	VCP	0.015	1.23	3.927	6.41%	9,185,249
MH134L001	MH134K002	851.00	831.97	385.31	15	VCP	0.015	1.23	3.927	4.94%	8,063,025
MH134K002	MH134K001	831.97	823.68	223.98	15	VCP	0.015	1.23	3.927	3.70%	6,980,016
MH134K001	MH134F013	823.68	814.49	266.27	24	RCP	0.013	3.14	6.283	3.45%	27,236,310
MH134F013	MH134F018	814.49	813.72	77.15	24	RCP	0.013	3.14	6.283	1.00%	14,646,337
MH134F018	MH134F012	813.72	803.41	195.70	24	RCP	0.013	3.14	6.283	5.27%	33,650,037
MH134F012	MH134F011	803.41	795.31	262.03	24	RCP	0.013	3.14	6.283	3.09%	25,776,184
MH134F011	MH134F010	795.31	791.35	42.73	24	RCP	0.013	3.14	6.283	9.27%	44,630,605

DEP SFPM Review

PROCESS #35

Started	May 17, 2022 at 10:40am EDT
Status	Completed Jun 28, 2023 at 9:42am EDT
By	Rachel McCune
Downloaded	Jun 28, 2023 at 10:22am EDT

Payments

No payments made

Submitted Information

Most Limited Capacity Sewer (MLCS) (PWSA)

MOST LIMITED CAPACITY SEWER (MLCS)

Most Limited Capacity Sewer (MLCS)	MLCSSpreadsheet_57_1201MifflinRoad.pdf
Methodology Required to Determine Present Flow in MLCS	Peak Flow Depth Measurements

SFPM Initial Submission (Applicant)

SEWAGE FACILITIES PLANNING MODULE - COMPONENT 3 SEWAGE COLLECTION AND TREATMENT FACILITIES

Sewage Facilities Planning Module - Component 3 Sewage Collection and Treatment Facilities	MS12 (250129401) Compiled SFPM.pdf
Supporting Documentation to Determine Present Flows in MLCS	1201 Mifflin Rd 30 Day Flow Report Hard Copy.xls

SFPM Review (PWSA)

STATUS

Is the SFPM Application substantially complete and ready for signature?	No
---	----

SFPM APPLICATION - RETURNED FOR CORRECTIONS

SFPM Application - Returned for Corrections	MS12 (250129401) Compiled SFPM Mark-Up.pdf
---	--

SFPM Submission Rev. 1, if required (Applicant)



SEWAGE FACILITIES PLANNING MODULE - COMPONENT 3 SEWAGE COLLECTION AND TREATMENT FACILITIES

Sewage Facilities Planning Module - Component 3 Sewage Collection and Treatment Facilities

MS12 (250129401) Compiled SFPM - Rev. 1.pdf

SFPM Review, if required (PWSA)

STATUS

Is the SFPM Application substantially complete and ready for signature Yes

SFPM APPLICATION - RETURNED FOR CORRECTIONS

No data

SFPM Submission Rev. 2, if required (Applicant)

SEWAGE FACILITIES PLANNING MODULE - COMPONENT 3 SEWAGE COLLECTION AND TREATMENT FACILITIES

No data

SFPM Review, if required (PWSA)

STATUS

No data

SFPM APPLICATION - RETURNED FOR CORRECTIONS

No data

SFPM Submission Rev. 3, if required (Applicant)

SEWAGE FACILITIES PLANNING MODULE - COMPONENT 3 SEWAGE COLLECTION AND TREATMENT FACILITIES

No data

SFPM Review, if required (PWSA)

STATUS

No data

SFPM APPLICATION - RETURNED FOR CORRECTIONS

No data

SFPM Submission Rev. 4, if required (Applicant)

SEWAGE FACILITIES PLANNING MODULE - COMPONENT 3 SEWAGE COLLECTION AND TREATMENT FACILITIES

No data

SFPM Review, if required (PWSA)

STATUS

No data

SFPM APPLICATION - RETURNED FOR CORRECTIONS

No data

SFPM Ready for Signature (PWSA)



SFPM READY FOR SIGNATURE

SFPM Ready for Signature

SectionJ_rev.pdf,
SFPM_HydraulicCapacitySpreadsheet_1201_Mifflin.pdf

PWSA Approval for Collection System Flows (PWSA)

DIRECTOR OF ENGINEERING SIGNATURE

SIGNED Sewage Facilities Planning Module - Component 3
Sewage Collection and Treatment Facilities

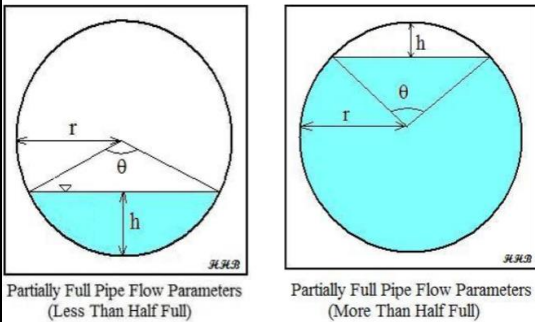
SFPM_DEV-57-0322_Signed.pdf

Sewage Facilities Planning Module
Chapter 94 Consistency Determination
Hydraulic Calculations Spreadsheet for Flow Monitoring

PROJECT NAME: 1201 Mifflin Rd
PWSA PROJECT NUMBER: DEV-57-0322
PWSA REVIEWER: Benjamin Grunauer
DATE: June 27, 2023

LEGEND: Input Data Output Data

Section A: Manning Equation for Partially Filled Pipes



Variable	Units	Description
Q	ft ³	Volumetric flowrate
n	Unitless	Manning Roughness Coeff.
A	ft ²	Cross-Sectional Area of Flow
R	ft	Hydraulic Radius
S	ft/ft	Slope of Hydraulic Grade Line
P	ft	Wetted Perimeter of "A"
r	ft	Radius
h	ft	Depth of Flow or Headspace
θ	radians	Central Angle

$$Q = \left(\frac{1.49}{n}\right) \times A \times R^{2/3} \times S^{1/2} \qquad R = \frac{A}{P} \qquad \theta = 2 \times \cos^{-1} \left(\frac{r-h}{r}\right)$$

$$A_{<50\% Full} = \frac{r^2(\theta - \sin \theta)}{2} \qquad \text{OR} \qquad A_{>50\% Full} = \pi \times r^2 \times \frac{r^2(\theta - \sin \theta)}{2}$$

$$P_{<50\% Full} = r \times \theta \qquad P_{>50\% Full} = (2 \times \pi \times r) - (r \times \theta)$$

Section B: Data for Calculations

Peaking Factor, P.F.		
Sanitary Sewers		3
Combined Sewers		3.5

Proposed Project Flows		
Variable	Value	Units
Q _p	1,500	gpd

Variable	Value	Units
Material	VCP	
n	0.015	unitless
S	0.048	ft/ft
h		ft
D	1.25	ft
P.F.	3	unitless

Section C: Calculations for Design and/or Permitted Capacities

Variable	Description	Definition
----------	-------------	------------

$Q_{d, avg}$	Design Capacity, Average	= full pipe flow conditions / peaking factor
$Q_{d, peak}$	Design Capacity, Peak	full pipe flow conditions

Design Capacity, Average		
Variable	Value	Unit
$Q_{d, avg}$	2,638,554	gpd

Design Capacity, Peak		
Variable	Value	Unit
D	1.250	ft
r	0.625	ft
A	1.227	ft ²
P	3.927	ft
R	0.313	ft
$Q_{d, peak}$	12	cfs
$Q_{d, peak}$	7,915,662	gpd

Section D: Calculations for Present Flows

Variable	Description	Definition
$Q_{ex, avg}$	Present Flows, Average	determined via flow monitoring data
$Q_{ex, peak}$	Present Flows, Peak	determined via flow monitoring data

Present Flows, Average		
Variable	Value	Unit
$Q_{ex, avg}$	416,000	gpd

Present Flows, Peak		
Variable	Value	Unit
$Q_{ex, peak}$	1,248,000	gpd

Section E: Calculations for Projected Flows in Five (5) Years

Variable	Description	Definition
$Q_{proj, avg}$	Projected Flows in Five (5) Years, Average	= $Q_{proj, peak} \div P.F.$
$Q_{proj, peak}$	Projected Flows in Five (5) Years, Peak	= $(Q_{ex, peak} + Q_p) \times 1.05$

Projected Flow Calculations		
Variable	Value	Unit
$Q_{proj, avg}$	437,325	gpd
$Q_{proj, peak}$	1,311,975	gpd

Section F: Compare Results with Applicant's Submission

Variable	PWSA, gpd	Applicant, gpd	Difference, gpd	Difference, %
$Q_{d, avg}$	2,638,554	2,631,294	7,260	0%
$Q_{d, peak}$	7,915,662	7,893,881	21,781	0%
$Q_{ex, avg}$	416,000	416,000	0	0%
$Q_{ex, peak}$	1,248,000	1,248,000	0	0%
$Q_{proj, avg}$	437,325	437,325	0	0%
$Q_{proj, peak}$	1,311,975	1,311,975	0	0%



July 10, 2023

Rachel McCune, P.E.
Langan Engineering and Environmental Services, Inc.
2400 Ansys Drive, Suite 403
Canonsburg, Pennsylvania 15317

Members of the Board

Sylvia C. Wilson
Chair Person
Shannah Tharp-Gilliam, Ph.D.
Harry Readshaw
Emily Kinkead
Paul Klein
Theresa Kail-Smith
Darrin Kelly

Arletta Scott Williams
Executive Director
Douglas A. Jackson, P.E.
*Director
Operations & Maintenance*
Michelle M. Buys, P.E.
*Director
Environmental Compliance*
Kimberly N. Kennedy, P.E.
*Director
Engineering & Construction*
Karen Fantoni, CPA, CGMA
*Director
Finance*
Michael Lichte, P.E.
*Director
Regional Conveyance*
Jeanne K. Clark
*Director
Governmental Affairs*
Julie Motley-Williams
*Director
Administration*

**Re: Lincoln Place Combined Safety Facility
City of Pittsburgh, Allegheny County, Pennsylvania
PA DEP Sewage Facilities Planning Module
ALCOSAN Direct Connection M-42**

Dear Ms. McCune:

We have reviewed the Component 3 Planning Module for the referenced project to be located at 1201 Mifflin Road in the City of Pittsburgh, Allegheny County. The project will generate a peak flow of 1,500 gpd in the ALCOSAN Monongahela Interceptor and Woods Run Treatment Plant.

The capacity of the ALCOSAN M-42 Regulator Structure is approximately 14.8 MGD. The monitored peak dry weather flow is approximately 5.13 MGD. Dry weather capacity exists for this connection. However, the ALCOSAN Monongahela Interceptor does not have the capacity for the flows generated by tributary communities during wet weather periods. This limitation will be addressed as ALCOSAN implements its Clean Water Plan.

ALCOSAN has completed and signed the sections required in the Component 3 module and requests that this letter be made part of the planning module submission. If you have any questions regarding this matter, please contact me at 412-742-1530.

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY

Steven Bristol, E.I.T.
Project Engineer I

Attachment

cc: Christina Dean (w/o attachment) Robert Herring/ PWSA (w/o attachment)
Dan Thornton (w/o attachment) Mahbuba Iasmin/ PADEP (w/o attachment)
Michael Lichte (w/o attachment) Gina Caliguri/ ACHD (w/o attachment)

COUNTY OF



ALLEGHENY

RICH FITZGERALD
COUNTY EXECUTIVE

July 18, 2023

Addie Jacobs, Senior Staff Engineer
Langan
2400 Ansys Drive, Suite 403
Canonsburg, PA 15317

**RE: SEWAGE FACILITIES PLANNING MODULE; ALLEGHENY COUNTY
Lincoln Place Combined Safety Facility, City of Pittsburgh**

Dear Ms. Jacobs:

Enclosed is a signed copy of Component 4C, County or Joint County Health Department Review, for the above-referenced development. This Planning Module Component was received on June 29, 2023. The project proposes the following:

Project Description:	Construction of a new 19,250 GSF 24/7 first response facility house for both EMS and Fire personnel and apparatus. The site is currently an undeveloped gravel lot.
Sewage Flow:	1,500 GPD
Conveyance:	Proposed 6" PVC line and associated manholes that will tie into an existing 12" PWSA main in Mifflin Road. PWSA line eventually connects to the Monongahela River Interceptor at M-42 and is conveyed to the ALCOSAN Woods Run Treatment Plant.
Sewer's Owner:	PWSA (collection), ALCOSAN (interceptor)
Sewage Treatment Plant:	ALCOSAN

Please be advised that a permit must be obtained from the Allegheny County Health Department's (ACHD) Plumbing Section prior to commencing any plumbing work for the proposed project. Plumbing work for which an ACHD Plumbing Permit must be obtained includes any plumbing work done on the site and any sewers, which will not be owned and operated by a municipality or a sewer authority.



ALLEGHENY COUNTY HEALTH DEPARTMENT
WATER POLLUTION CONTROL & SOLID WASTE MANAGEMENT
3901 PENN AVENUE • BUILDING 5 • PITTSBURGH, PA 15224-1318
PHONE: 412.578.8040 • FAX: 412.578.8053
WWW.ALLEGHENYCOUNTY.US/HEALTHDEPARTMENT



Ms. Addie Jacobs Senior Engineer
July 18, 2023
Page 2

In addition, it should be noted that the approval of this sewage facilities planning module does not include approval of pipe size and/or type. Approval for pipe size and/or type must be obtained by filing a specific plumbing plan with the ACHD's Plumbing Section. If you should have any questions relative to ACHD's plumbing requirements, please contact Drew Grese, Plumbing Program Manager at 412-578-8055.

The ACHD has no objection to the approval of this project. If you have any questions, please call me at 412-578-8388.

Sincerely,



Gina Caliguri
Environmental Health Administrator II/Compliance Officer
Water Pollution Control & Solid Waste Management

Enclosure

cc: Ryan Regis, PA Department of Environmental Protection w/attachment
Drew Grese, ACHD w/attachment

APPENDIX B

Resolution for Plan Revision for New Land Development

Fiscal Impact Statement
Updated 5/03/2023 to satisfy City Code §219.07

<i>Department</i>	Law
<i>Preparer</i>	Kristen Erickson, Cameron Crowe
<i>Standing Committee Representative</i>	Carly Davis, P.E. (Langan Engineering) 724-514-5126
<i>Type of Legislation</i>	Other

Description of Legislation

The City of Pittsburgh Department of Public Works has proposed the development of a combined safety facility at 1201 Mifflin Road, Pittsburgh, PA 15219, Allegheny County, described in the attached Sewage Facilities Planning Module (the "Planning Module") for land development and proposes that project be served by use of existing connections to the City of Pittsburgh sewage systems; and

The City of Pittsburgh must adopt, and applicant must submit, the Planning Module for land development to the Department of Environmental Protection for its approval as a Plan Revision to the City of Pittsburgh's Official Sewage Facilities Plan.

<i>Total Cost</i>	\$ 0			
<i>Frequency of Expenditure</i>	<input type="checkbox"/> One-Time		<input type="checkbox"/> Multi-Year	
<i>Funding Source</i>	<input type="checkbox"/> Operating	<input type="checkbox"/> Capital	<input type="checkbox"/> Grant	<input type="checkbox"/> Trust Fund
<i>Is this item budgeted?</i>	<input type="checkbox"/> Yes		<input type="checkbox"/> No	

JDE Account Information

N/A

Additional Operational Costs

N/A

Impact on City Revenue

N/A

If the resolution authorizes a professional services contract, complete this page:

<i>Method of Procurement</i> <i>Select one.</i>	<input type="checkbox"/> RFP	<input type="checkbox"/> Signed Waiver from OMB	<input type="checkbox"/> Amendment to Existing Contract <i>Do not fill out the rest of the form.</i>
---	------------------------------	--	---

Name of Vendor and Award Justification

List the name of the awarded vendor and its qualifications.

Other Respondents

List the other respondents. If there were none, clearly state that.

Selection Criteria

Describe the selection or scoring criteria.

Selection Committee Representation

List the department(s) or bureau(s) represented on the committee. Do not list individual names.

Waiver Justification

If a waiver was granted, explain the justification.

EORC Synopsis

Insert synopsis that was presented.

<i>Date Presented at EORC:</i> Insert date.	<input type="checkbox"/> Approved	<input type="checkbox"/> Not Approved
--	-----------------------------------	---------------------------------------

*Per §219.07 of the City Code, you **must** include an electronic copy of the solicitation or your signed waiver with your submission to the Office of Management and Budget.*

Attachments

- *Please attach any additional documents and/or exhibits.*

City of Pittsburgh
Sewer Facilities Planning Module Questionnaire

PROJECT NAME: Lincoln Place Combined Safety Facility

1) What was the previous permitted use for this property?

The property is currently an undeveloped lot.

2) What is the proposed use for the property?

The proposed use for the property is to be a combined safety facility, providing fire and EMS services.

3) How is green stormwater mitigation being integrated into the proposed project?

The site will utilize a vegetated stormwater management basin to manage the volume and rate of runoff leaving the site.

4) Will the development result in a net positive or net negative change in stormwater flow?

The development will result in a net zero change in stormwater flow.

Resolution No. _____

CITY OF PITTSBURGH

Introduced: Bill No:

Committee: Intergovernmental Affairs Committee Status:

Sponsored by:

Resolution adopting Plan Revision to the City of Pittsburgh's Official Sewage Facilities Plan for the City of Pittsburgh Department of Works project, Lincoln Place Combined Safety Facility, 1201 Mifflin Road, Pittsburgh, PA 15207.

WHEREAS, SECTION 5 of the Act of January 24, 1966, P.L. 1535, No. 537, known as the "Pennsylvania Sewage Facilities Act," as amended, and the rules and regulations of the Pennsylvania Department of Environmental Protection (the "Department") adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, requires the City of Pittsburgh to adopt an Official Sewage Facilities Plan (the "Official Plan") providing for sewage services adequate to prevent contamination of waters of the Commonwealth and/or environmental health hazards from sewage wastes, and to revise said plan whenever it is necessary to determine whether a proposed method of sewage disposal for a new development conforms to a comprehensive program of pollution control and water quality management; and

WHEREAS, City of Pittsburgh Department of Public Works has proposed the development of certain parcels of land Lincoln Place Combined Safety Facility project, 1201 Mifflin Road, Pittsburgh, PA 15207, Allegheny County, at lot and block 184-E-80 in the 31st Ward of the City of Pittsburgh and described in the attached Sewage Facilities Planning Module (the "Planning Module") for land development and proposes that project be served by use of existing connections to the City of Pittsburgh sewage systems; and

WHEREAS, the Pittsburgh Water and Sewer Authority, the Allegheny County Sanitary Authority, the City of Pittsburgh Planning Department and the Allegheny County Health Department have reviewed the respective components of the attached Planning Module in regard to each authority/department's expertise and have approved the respective components as explained in the attached Planning Module.

WHEREAS, based upon the approval of the above authorities and departments, the City of Pittsburgh finds that the project described in the attached Planning Module for land development conforms to applicable zoning, subdivision, other municipal ordinances and plans, and to a comprehensive program of pollution control and water quality management.

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF PITTSBURGH AS FOLLOWS:

SECTION 1. The City of Pittsburgh hereby adopts and submits to the Department of Environmental Protection for its approval as a Plan Revision to the City of Pittsburgh's Official Sewage Facilities Plan, the above-referenced Planning Module for land development, which is attached hereto as **Exhibit A**.

Said Planning Module includes the Lincoln Place Combined Safety Facility project, 1201 Mifflin Road, Pittsburgh, PA 15207, at lot and block 184-E-80 in the 31st Ward of the City of Pittsburgh.

Finally, that any Ordinance or Resolution or part thereof conflicting with the provisions of this Resolution, is hereby repealed so far as the same affects this Resolution.

Effective Date: _____

Passed in Council: _____

Approved: _____

Recorded in R.B. ___ page _____ in City Clerk's Office.

DEP Code No.

RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

RESOLUTION OF THE (SUPERVISORS) (COMMISSIONERS) (COUNCILMEN) of _____
(TOWNSHIP) (BOROUGH) (CITY), _____ COUNTY, PENNSYLVANIA (hereinafter "the municipality").

WHEREAS Section 5 of the Act of January 24, 1966, P.L. 1535, No. 537, known as the *Pennsylvania Sewage Facilities Act*, as Amended, and the rules and Regulations of the Pennsylvania Department of Environmental Protection (DEP) adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, require the municipality to adopt an Official Sewage Facilities Plan providing for sewage services adequate to prevent contamination of waters of the Commonwealth and/or environmental health hazards from sewage wastes, and to revise said plan whenever it is necessary to determine whether a proposed method of sewage disposal for a new land development conforms to a comprehensive program of pollution control and water quality management, and

WHEREAS _____ has proposed the development of a parcel of land identified as
land developer
_____, and described in the attached Sewage Facilities Planning Module, and
name of subdivision
proposes that such subdivision be served by: (check all that apply), sewer tap-ins, sewer extension, new treatment facility, individual onlot systems, community onlot systems, spray irrigation, retaining tanks, other, (please specify). _____

WHEREAS, _____ finds that the subdivision described in the attached
municipality
Sewage Facilities Planning Module conforms to applicable sewage related zoning and other sewage related municipal ordinances and plans, and to a comprehensive program of pollution control and water quality management.

NOW, THEREFORE, BE IT RESOLVED that the (Supervisors) (Commissioners) (Councilmen) of the (Township) (Borough) (City) of _____ hereby adopt and submit to DEP for its approval as a revision to the "Official Sewage Facilities Plan" of the municipality the above referenced Sewage Facilities Planning Module which is attached hereto.

I _____, Secretary, _____
(Signature)
Township Board of Supervisors (Borough Council) (City Councilmen), hereby certify that the foregoing is a true copy of the Township (Borough) (City) Resolution # _____, adopted, _____, 20_____.

Municipal Address:

Telephone _____

Seal of
Governing Body

APPENDIX C

Component 3, Narrative Description of Project, Supporting Documentation

Code No.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

DEP USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH ID #

This planning module component is used to fulfill the planning requirements of Act 537 for the following types of projects: (1) a subdivision to be served by sewage collection, conveyance or treatment facilities, (2) a tap-in to an existing collection system with flows on a lot of 2 EDU's or more, or (3) the construction of, or modification to, wastewater collection, conveyance or treatment facilities that will require DEP to issue or modify a Clean Streams Law permit. Planning for any project that will require DEP to issue or modify a permit cannot be processed by a delegated agency. Delegated agencies must send their projects to DEP for final planning approval.

This component, along with any other documents specified in the cover letter, must be completed and submitted to the municipality with jurisdiction over the project site for review and approval. All required documentation must be attached for the Sewage Facilities Planning Module to be complete. Refer to the instructions for help in completing this component.

REVIEW FEES: Amendments to the Sewage Facilities Act established fees to be paid by the developer for review of planning modules for land development. These fees may vary depending on the approving agency for the project (DEP or delegated local agency). Please see section R and the instructions for more information on these fees.

NOTE: All projects must complete Sections A through I, and Sections O through R. Complete Sections J, K, L, M and/or N if applicable or marked .

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name Lincoln Place Combined Safety Facility

2. Brief Project Description The project includes construction of a new 19,264 SF 24/7 first reponse facility house for both EMS and Fire personnel and apparatus.

B. CLIENT (MUNICIPALITY) INFORMATION (See Section B of instructions)

Municipality Name	County	City	Boro	Twp
City of Pittsburgh	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Prendergast	Kyla			Senior Enviromental Planner

Additional Individual Last Name	First Name	MI	Suffix	Title
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Municipality Mailing Address Line 1	Mailing Address Line 2
200 Ross Street	4 th Floor, Department of City Planning

Address Last Line -- City	State	ZIP+4
Pittsburgh	PA	15219

Area Code + Phone + Ext.	FAX (optional)	Email (optional)
412.255.2516		

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

Lincoln Place Combined Safety Facility

Site Location Line 1

1201 Mifflin Road

Site Location Line 2

Site Location Last Line -- City

Pittsburgh

State

PA

ZIP+4

15207+2009

Latitude

40.371340

Longitude

-79.914460

Detailed Written Directions to Site From the SWRO, merge onto PA-28S. Take exit to I-579S. Continue on I-579S. Take 7th Ave exit. Merge onto Bigelow Blvd. Turn L on 6th Ave. Turn L on Forbes Ave. Turn R on Armstrong Tunnel. Turn L on Second Ave. Continue on Greenfield Ave. Turn R on Irvine St. Continue on Second Ave. Continue on PA-885 S/Glenwood Bridge. Stay on PA-885S. Continue on Mifflin Road

Description of Site The project includes construction of a new 19,264 SF 24/7 first reponse facility house for both EMS and Fire personnel and apparatus. The existing site is a gravel lot.

Site Contact (Developer/Owner)

Last Name

Mastroberadino

First Name

Claire

MI

Suffix

Phone

412.255.8911

Ext.

Site Contact Title

Senior Project Manager

Site Contact Firm (if none, leave blank)

City of Pittsburgh - Department of Public Works

FAX

Email

Mailing Address Line 1

414 Grant Street, Suite 301

Mailing Address Line 2

Mailing Address Last Line -- City

State

Pittsburgh

ZIP+4

15219+2419

D. PROJECT CONSULTANT INFORMATION (See Section D of instructions)

Last Name

Rowland

First Name

Scott

MI

Suffix

Title

Principal/ Vice President

Consulting Firm Name

Langan Eng & Env Svcs., Inc

Mailing Address Line 1

2400 Ansys Drive

Mailing Address Line 2

Suite 403

Address Last Line -- City

Pittsburgh

State

PA

ZIP+4

15317

Country

United States

Email

srowland@langan.com

Area Code + Phone

724-514-5100

Ext.

Area Code + FAX

724-514-5100

E. AVAILABILITY OF DRINKING WATER SUPPLY

The project will be provided with drinking water from the following source: (Check appropriate box)

- Individual wells or cisterns.
- A proposed public water supply.
- An existing public water supply.

If existing public water supply is to be used, provide the name of the water company and attach documentation from the water company stating that it will serve the project.

Name of water company: PA American Water

F. PROJECT NARRATIVE (See Section F of instructions)

- A narrative has been prepared as described in Section F of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section F of the instructions.

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (See Section G of instructions)

Check all boxes that apply, and provide information on collection, conveyance and treatment facilities and EDU's served. This information will be used to determine consistency with Chapter 93 (relating to wastewater treatment requirements).

1. COLLECTION SYSTEM

a. Check appropriate box concerning collection system

- New collection system Pump Station Force Main
 Grinder pump(s) Extension to existing collection system Expansion of existing facility

Clean Streams Law Permit Number _____

b. Answer questions below on collection system

Number of EDU's and proposed connections to be served by collection system. EDU's 4

Connections 1

Name of:

existing collection or conveyance system 12-inch VCP Mifflin Road Sanitary Sewer

owner Pittsburgh Water and Sewer Authority (PWSA)

existing interceptor Monongahela Interceptor

owner Allegheny County Sanitary Authority (ALCOSAN)

2. WASTEWATER TREATMENT FACILITY

Check all boxes that apply, and provide information on collection, conveyance and treatment facilities and EDU's served. This information will be used to determine consistency with Chapter(s) 91 (relating to general provisions), 92 (relating to national Pollution Discharge Elimination System permitting, monitoring and compliance) and 93 (relating to water quality standards).

a. Check appropriate box and provide requested information concerning the treatment facility

- New facility Existing facility Upgrade of existing facility Expansion of existing facility

Name of existing facility Allegheny County Sanitary Authority (ALCOSAN) Wastewater Treatment Facility

NPDES Permit Number for existing facility 25984

Clean Streams Law Permit Number PA 0025984

Location of discharge point for a new facility. Latitude _____ Longitude _____

b. The following certification statement must be completed and signed by the wastewater treatment facility permittee or their representative.

As an authorized representative of the permittee, I confirm that the ALCOSAN
(Name from above) sewage treatment facilities can accept sewage flows from this project without adversely affecting the facility's ability to achieve all applicable technology and water quality based effluent limits (see Section I) and conditions contained in the NPDES permit identified above.

Name of Permittee Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Steven Bristol, EIT

Agent Signature Steven Bristol Date 7/10/2023

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. PLOT PLAN

The following information is to be submitted on a plot plan of the proposed subdivision.

- a. Existing and proposed buildings.
- b. Lot lines and lot sizes.
- c. Adjacent lots.
- d. Remainder of tract.
- e. Existing and proposed sewerage facilities. Plot location of discharge point, land application field, spray field, COLDS, or LVCOLDS if a new facility is proposed.
- f. Show tap-in or extension to the point of connection to existing collection system (if applicable).
- g. Existing and proposed water supplies and surface water (wells, springs, ponds, streams, etc.)
- h. Existing and proposed rights-of-way.
- i. Existing and proposed buildings, streets, roadways, access roads, etc.
- j. Any designated recreational or open space area.
- k. Wetlands - from National Wetland Inventory Mapping and USGS Hydric Soils Mapping.
- l. Flood plains or Flood prone areas, floodways, (Federal Flood Insurance Mapping)
- m. Prime Agricultural Land.
- n. Any other facilities (pipelines, power lines, etc.)
- o. Orientation to north.
- p. Locations of all site testing activities (soil profile test pits, slope measurements, permeability test sites, background sampling, etc. (if applicable).
- q. Soils types and boundaries when a land based system is proposed.
- r. Topographic lines with elevations when a land based system is proposed

4. WETLAND PROTECTION

YES NO

- a. Are there wetlands in the project area? If yes, ensure these areas appear on the plot plan as shown in the mapping or through on-site delineation.
- b. Are there any construction activities (encroachments, or obstructions) proposed in, along, or through the wetlands? If yes, Identify any proposed encroachments on wetlands and identify whether a General Permit or a full encroachment permit will be required. If a full permit is required, address time and cost impacts on the project. Note that wetland encroachments should be avoided where feasible. Also note that a feasible alternative **MUST BE SELECTED** to an identified encroachment on an exceptional value wetland as defined in Chapter 105. Identify any project impacts on streams classified as HQ or EV and address impacts of the permitting requirements of said encroachments on the project.

5. PRIME AGRICULTURAL LAND PROTECTION

YES NO

- Will the project involve the disturbance of prime agricultural lands?
If yes, coordinate with local officials to resolve any conflicts with the local prime agricultural land protection program. The project must be consistent with such municipal programs before the sewage facilities planning module package may be submitted to DEP.
If no, prime agricultural land protection is not a factor to this project.
- Have prime agricultural land protection issues been settled?

6. HISTORIC PRESERVATION ACT

YES NO

- Sufficient documentation is attached to confirm that this project is consistent with DEP Technical Guidance 012-0700-001 *Implementation of the PA State History Code* (available online at the DEP website at www.dep.state.pa.us, select "subject" then select "technical guidance"). As a minimum this includes copies of the completed Cultural Resources Notice

(CRN), a return receipt for its submission to the PHMC and the PHMC review letter.

7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES

Check one:

- The "Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt" resulting from my search of the PNDI database and all supporting documentation from jurisdictional agencies (when necessary) is/are attached.
- A completed "Pennsylvania Natural Diversity Inventory (PNDI) Project Planning & Environmental Review Form," (PNDI Form) available at www.naturalheritage.state.pa.us, and all required supporting documentation is attached. I request DEP staff to complete the required PNDI search for my project. I realize that my planning module will be considered incomplete upon submission to the Department and that the DEP review will not begin, and that processing of my planning module will be delayed, until a "PNDI Project Environmental Review Receipt" and all supporting documentation from jurisdictional agencies (when necessary) is/are received by DEP.

Applicant or Consultant Initials _____.

H. ALTERNATIVE SEWAGE FACILITIES ANALYSIS (See Section H of instructions)

- An alternative sewage facilities analysis has been prepared as described in Section H of the attached instructions and is attached to this component.
The applicant may choose to include additional information beyond that required by Section H of the attached instructions.

I. COMPLIANCE WITH WATER QUALITY STANDARDS AND EFFLUENT LIMITATIONS (See Section I of instructions) (Check and complete all that apply.)

1. Waters designated for Special Protection

- The proposed project will result in a new or increased discharge into special protection waters as identified in Title 25, Pennsylvania Code, Chapter 93. The Social or Economic Justification (SEJ) required by Section 93.4c. is attached.

2. Pennsylvania Waters Designated As Impaired

- The proposed project will result in a new or increased discharge of a pollutant into waters that DEP has identified as being impaired by that pollutant. A pre-planning meeting was held with the appropriate DEP regional office staff to discuss water quality based discharge limitations.

3. Interstate and International Waters

- The proposed project will result in a new or increased discharge into interstate or international waters. A pre-planning meeting was held with the appropriate DEP regional office staff to discuss effluent limitations necessary to meet the requirements of the interstate or international compact.

4. Tributaries To The Chesapeake Bay

- The proposed project result in a new or increased discharge of sewage into a tributary to the Chesapeake Bay. This proposal for a new sewage treatment facility or new flows to an existing facility includes total nitrogen and total phosphorus in the following amounts: _____ pounds of TN per year, and _____ pounds of TP per year. Based on the process design and effluent limits, the total nitrogen treatment capacity of the wastewater treatment facility is _____ pounds per year and the total phosphorus capacity is _____ pounds per year as determined by the wastewater treatment facility permittee. The permittee has determined that the additional TN and TP to be contributed by this project (as modified by credits and/or offsets to be provided) will not cause the discharge to exceed the annual total mass limits for these parameters. Documentation of compliance with nutrient allocations is attached.

Name of Permittee Agency, Authority, Municipality _____

Initials of Responsible Agent (See Section G 2.b) _____

See *Special Instructions* (Form 3800-FM-BPNPSM0353-1) for additional information on Chesapeake Bay watershed requirements.

J. CHAPTER 94 CONSISTENCY DETERMINATION (See Section J of instructions)

Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Title 25, Chapter 94 (relating to Municipal Wasteload Management). If not previously included in Section F, include a general map showing the path of the sewage to the treatment facility. If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 1,500 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

When providing "treatment facilities" sewage flows, use Annual Average Daily Flow for "average" and Maximum Monthly Average Daily Flow for "peak" in all cases. For "peak flows" in "collection" and "conveyance" facilities, indicate whether these flows are "peak hourly flow" or "peak instantaneous flow" and how this figure was derived (i.e., metered, measured, estimated, etc.).

- a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
- b. Enter the average and peak sewage flows for the most restrictive sections of the existing sewage facilities.
- c. Enter the average and peak sewage flows, projected for 5 years (2 years for pump stations) through the most restrictive sections of the existing sewage facilities. Include existing, proposed (this project) and future project (other approved projects) flows.

To complete the table, refer to the instructions, Section J.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	2631294	7893881	416,000	1248000	437325	1311975
Conveyance		14,800,000	4,490,000	5,130,000	4,492,000	5,184,000
Treatment		250,000,000	194,200,000	250,000,000	248,800,000	295,000,000

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table. The individual(s) signing below must be legally authorized to make representation for the organization.

YES NO

- a. This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system?

If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved Corrective Action Plan (CAP) granting an allocation for this project. A letter granting allocations to this project under the CAP must be attached to the module package.

If no, a representative of the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with both §71.53(d)(3) and Chapter 94 requirements and that this proposal will not affect that status.

b. Collection System

Name of Agency, Authority, Municipality PWSA

Name of Responsible Agent Robert Herring

Agent Signature: Robert Herring Date June 28, 2023
2023.06.28
09:41:37 -04'00'

J. CHAPTER 94 CONSISTENCY DETERMINATION (See Section J of instructions)

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Steven Bristol, EIT

Agent Signature Steven Bristol

Date 7/10/2023

4. Treatment Facility

The questions below are to be answered by a representative of the facility permittee in coordination with the information in the table and the latest Chapter 94 report. The individual signing below must be legally authorized to make representation for the organization.

YES NO

- a. This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility?

If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved CAP granting an allocation for this project. A letter granting allocations to this project under the CAP must be attached to the planning module.

If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with both §71.53(d)(3) and Chapter 94 requirements and that this proposal will not impact that status.

b. Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Steven Bristol, EIT

Agent Signature Steven Bristol

Date 7/10/2023

K. TREATMENT AND DISPOSAL OPTIONS (See Section K of instructions)

This section is for land development projects that propose construction of wastewater treatment facilities. Please note that, since these projects require permits issued by DEP, these projects may **NOT** receive final planning approval from a delegated local agency. Delegated local agencies must send these projects to DEP for final planning approval.

Check the appropriate box indicating the selected treatment and disposal option.

1. Spray irrigation (other than individual residential spray systems (IRSIS)) or other land application is proposed, and the information requested in Section K.1. of the planning module instructions are attached.
2. Recycle and reuse is proposed and the information requested in Section K-2 of the planning module instructions is attached.
3. A discharge to a dry stream channel is proposed, and the information requested in Section K.3. of the planning module instructions are attached.
4. A discharge to a perennial surface water body is proposed, and the information requested in Section K.4. of the planning module instructions are attached.

L. PERMEABILITY TESTING (See Section L of instructions)

- The information required in Section L of the instructions is attached.

M. PRELIMINARY HYDROGEOLOGIC STUDY (See Section M of instructions)

- The information required in Section M of the instructions is attached.

N. DETAILED HYDROGEOLOGIC STUDY (See Section N of instructions)

The detailed hydrogeologic information required in Section N. of the instructions is attached.

O. SEWAGE MANAGEMENT (See Section O of instructions)

(1-3 for completion by the developer(project sponser), 4-5 for completion by the non-municipal facility agent and 6 for completion by the municipality)

Yes No

1. Is connection to, or construction of, a DEP permitted, non-municipal sewage facility or a local agency permitted, community onlot sewage facility proposed.

If Yes, respond to the following questions, attach the supporting analysis, and an evaluation of the options available to assure long-term proper operation and maintenance of the proposed non-municipal facilities. If No, skip the remainder of Section O.

2. Project Flows _____ gpd

Yes No

3. Is the use of nutrient credits or offsets a part of this project?

If yes, attach a letter of intent to purchase the necessary credits and describe the assurance that these credits and offsets will be available for the remaining design life of the non-municipal sewage facility;

(For completion by non-municipal facility agent)

4. Collection and Conveyance Facilities

The questions below are to be answered by the organization/individual responsible for the non-municipal collection and conveyance facilities. The individual(s) signing below must be legally authorized to make representation for the organization.

Yes No

- a. If this project proposes sewer extensions or tap-ins, will these actions create a hydraulic overload on any existing collection or conveyance facilities that are part of the system?

If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until this issue is resolved.

If no, a representative of the organization responsible for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 71 §71.53(d)(3) and that this proposal will not affect that status.

- b. Collection System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

- c. Conveyance System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

5. Treatment Facility

The questions below are to be answered by a representative of the facility permittee. The individual signing below must be legally authorized to make representation for the organization.

Yes No

- a. If this project proposes the use of an existing non-municipal wastewater treatment plant for the disposal of sewage, will this action create a hydraulic or organic overload at that facility?

If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this issue is resolved.

If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with §71.53(d)(3) and that this proposal will not impact that status.

- b. Name of Facility _____
Name of Responsible Agent _____
Agent Signature _____
Date _____

(For completion by the municipality)

6. The **SELECTED OPTION** necessary to assure long-term proper operation and maintenance of the proposed non-municipal facilities is clearly identified with documentation attached in the planning module package.

P. PUBLIC NOTIFICATION REQUIREMENT (See Section P of instructions)

This section must be completed to determine if the applicant will be required to publish facts about the project in a newspaper of general circulation to provide a chance for the general public to comment on proposed new land development projects. This notice may be provided by the applicant or the applicant's agent, the municipality or the local agency by publication in a newspaper of general circulation within the municipality affected. Where an applicant or an applicant's agent provides the required notice for publication, the applicant or applicant's agent shall notify the municipality or local agency and the municipality and local agency will be relieved of the obligation to publish. The required content of the publication notice is found in Section P of the instructions.

To complete this section, each of the following questions must be answered with a "yes" or "no". Newspaper publication is required if any of the following are answered "yes".

Yes No

1. Does the project propose the construction of a sewage treatment facility ?
2. Will the project change the flow at an existing sewage treatment facility by more than 50,000 gallons per day?
3. Will the project result in a public expenditure for the sewage facilities portion of the project in excess of \$100,000?
4. Will the project lead to a major modification of the existing municipal administrative organizations within the municipal government?
5. Will the project require the establishment of *new* municipal administrative organizations within the municipal government?
6. Will the project result in a subdivision of 50 lots or more? (onlot sewage disposal only)
7. Does the project involve a major change in established growth projections?
8. Does the project involve a different land use pattern than that established in the municipality's Official Sewage Plan?

P. PUBLIC NOTIFICATION REQUIREMENT cont'd. (See Section P of instructions)

9. Does the project involve the use of large volume onlot sewage disposal systems (Flow > 10,000 gpd)?
10. Does the project require resolution of a conflict between the proposed alternative and consistency requirements contained in §71.21(a)(5)(i), (ii), (iii)?
11. Will sewage facilities discharge into high quality or exceptional value waters?
- Attached is a copy of:
- the public notice,
 - all comments received as a result of the notice,
 - the municipal response to these comments.
- No comments were received. A copy of the public notice is attached.

Q. FALSE SWEARING STATEMENT (See Section Q of instructions)

I verify that the statements made in this component are true and correct to the best of my knowledge, information and belief. I understand that false statements in this component are made subject to the penalties of 18 PA C.S.A. §4904 relating to unsworn falsification to authorities.

Rachel McCune	<i>Rachel McCune</i>
Name (Print)	Signature
Project Engineer	05/03/2023
Title	Date
2400 Ansys Drive, 403 Canonsburg PA 15317	724-514-5100
Address	Telephone Number

R. REVIEW FEE (See Section R of instructions)

The Sewage Facilities Act establishes a fee for the DEP planning module review. DEP will calculate the review fee for the project and invoice the project sponsor **OR** the project sponsor may attach a self-calculated fee payment to the planning module prior to submission of the planning package to DEP. (Since the fee and fee collection procedures may vary if a "delegated local agency" is conducting the review, the project sponsor should contact the "delegated local agency" to determine these details.) Check the appropriate box.

- I request DEP calculate the review fee for my project and send me an invoice for the correct amount. I understand DEP's review of my project will not begin until DEP receives the correct review fee from me for the project.
- I have calculated the review fee for my project using the formula found below and the review fee guidance in the instructions. I have attached a check or money order in the amount of \$200.00 payable to "Commonwealth of PA, DEP". Include DEP code number on check. I understand DEP will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, DEP will return my check or money order, send me an invoice for the correct amount. I understand DEP review will NOT begin until I have submitted the correct fee.
- I request to be exempt from the DEP planning module review fee because this planning module creates **only** one new lot and is the **only** lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize that subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I am furnishing the following deed reference information in support of my fee exemption.

County Recorder of Deeds for _____ County, Pennsylvania

Deed Volume _____ Book Number _____

Page Number _____ Date Recorded _____

R. REVIEW FEE (continued)

Formula:

1. For a new collection system (with or without a Clean Streams Law Permit), a collection system extension, or individual tap-ins to an existing collection system use this formula.

$$\#4 \text{ Lots (or EDUs) X } \$50.00 = \$ \underline{200.00}$$

The fee is based upon:

- The number of lots created or number of EDUs whichever is higher.
 - For community sewer system projects, one EDU is equal to a sewage flow of 400 gallons per day.
2. For a surface or subsurface discharge system, use the appropriate one of these formulae.

- A. A new surface discharge greater than 2000 gpd will use a flat fee:

\$ 1,500 per submittal (non-municipal)
\$ 500 per submittal (municipal)

- B. An increase in an existing surface discharge will use:

$$\# \text{ Lots (or EDUs) X } \$35.00 = \$ \underline{\hspace{2cm}}$$

to a maximum of \$ 1,500 per submittal (non-municipal) or \$ 500 per submittal (municipal)

The fee is based upon:

- The number of lots created or number of EDUs whichever is higher.
 - For community sewage system projects one EDU is equal to a sewage flow of 400 gallons per day.
 - For non-single family residential projects, EDUs are calculated using projected population figures
- C. A sub-surface discharge system that requires a permit under The Clean Streams Law will use a flat fee:
- \$ 1,500 per submittal (non-municipal)
\$ 500 per submittal (municipal)

NARRATIVE DESCRIPTION OF PROJECT

SECTION F SEWAGE FACILITIES PLANNING MODULE COMPONENT 3

**Re: Project Narrative
City of Pittsburgh, Allegheny County, Pennsylvania
Langan Project No.: 250129401**

The proposed project involves the development of a +/- 19,250 GSF combined safety facility, located in the Lincoln Place area within the City of Pittsburgh, PA. The development will include associated driveways, sidewalks, and other site appurtenances. The site is located west of the McBride Park and bound to the north by Oakleaf St and Calhoun Plan of Lots (Lots 65, 66, 67, and 68), to the east by parcel number 184-E-149, to the west by parcel number 184-E-150, and to the south by Mifflin Road and Irwindale Plan of Lots (Lots 47, 48, and 49). The project site is part of parcel number 184-E-80.

The project proposes a 6" PVC line and associated manholes that will tie into an existing 12" PWSA main in Mifflin Road. The PWSA main eventually connects to the Monongahela Interceptor which conveys flows to the Allegheny Interceptor where it is conveyed to ALCOSAN to be treated.

The existing site is undeveloped and thus has no current contributing flow. Following the proposed development, an estimated sanitary flow is 1,500 gallons per day is anticipated.

A reference for the approximate sewage flow for the proposed development can be found within Appendix C. The proposed lateral will remain private and will not create any undue financial burdens to the City of Pittsburgh, PWSA, or ALCOSAN.

Water service will be provided by PA American Water. Water service to this site will be via a 6-inch fire service with a 4-inch domestic service teeing off of the 6-inch fire service after exiting the meter vault and prior to entering the building. The water meter vault will be fed by a 6-inch water lateral that will tie into an existing 24-inch cast iron pipe main in Mifflin Road, operated by PA American Water.

The existing site is undeveloped and thus has no current contributing flow. Following the proposed development, an estimated 1,500 gallons per day water demand is anticipated. The existing municipal system is expected to adequately meet proposed demands.

Section J of Component 3 was completed using the calculation methodology and procedures outlined by the PWSA Developer's Manual, revised March 24th, 2023. Method #2 Flow Monitoring from the Developer's Manual was implemented to estimate the Present Peak Flow based on flow measurements at the most limited capacity sewer (refer to the attached correspondence in Appendix A) for 30 days from December 23, 2022 to January 21, 2023. The most limited capacity sewer was determined by PWSA. The flow meter was installed for the duration of the flow monitoring – December 23, 2022 to January 21, 2023 – with measurements of the head and the velocity of the water taken every five minutes.

Data from the flow monitoring can be found in Appendix C under Anticipated Sewage Flow Reference. Pipe capacity information provided by PWSA was used in conjunction with Manning's Equation to estimate the Peak Design Capacity, and a Peak Factor of 3.0 was used to estimate the Average Design Capacity. The Projected Peak Flow was calculated by multiplying the sum of the Present Peak Flow and the Anticipated Flow Contribution for the project by a factor of 1.05 to estimate the projected flow in 5 years. The Projected Average Flow was calculated by dividing the Projected Peak Flow by the Peak Factor of 3.0. Based on these calculations, it has been determined that the anticipated flow contribution for the proposed project will not create undue stress on the existing PWSA system's capacity.

**ANTICIPATED SEWAGE
FLOW REFERENCE**

Date: 5/12/2022
 Langan Project Number: 260129401
 Calc by: RIM
 Check by: CAD

Lincoln Place Combined Safety Facility			
PROPOSED SEWAGE FLOW ESTIMATION (FOR DEP PERMITTING)			
Unit Description	Number of Units	Anticipated Average Rate (GPD/Occupant)¹	Anticipated Average Sewage Flow (GPD)
Institutions other than hospitals (per bed space)	12	125	1,500
Proposed GPD (Water Supply)=			1,500
Existing GPD (Water Supply)=			0
Proposed GPD (Sanitary Load) =			1,500
Existing GPD (Sanitary Load) =			0
Net Proposed EDUs² (Water Supply)=			4
Net Proposed EDUs² (Sanitary Load)=			4

Notes:

1 – Rate is based on the flow estimate defined in 25 Pa. Code §73.17 Sewage Flows.

2– EDUs are based on 400 GPD/EDU.

**Lincoln Place Combined Safety Facility
Mifflin Road 15-IN PWSA Sanitary Sewer
Dry Flow Comparison Calculations**

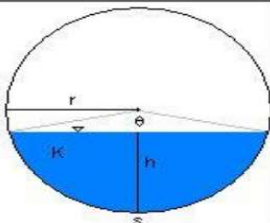
Given Information	
Pipe Location:	Mifflin Road
Pipe Type:	VCP
Pipe Diameter (IN):	15
Slope:	4.76%
Manning's n Value:	0.015
Peak Factor:	3

Solve for Design (Full) Flow	
Radius of Pipe, r (IN):	7.5
Flow Area, K (IN ²):	176.71
Wetted Perimeter (IN):	47.12
Hydraulic Radius (IN):	3.750
Hydraulic Radius (FT):	0.313
Velocity (FT/S):	9.95
Design Peak Flow (CFS):	12.21
Design Peak Flow (GPD):	7,893,881
Design Avg. Flow (GPD):	2,631,294

Summary	
Anticipated Flow Contribution (GPD) ⁽¹⁾ :	1,500
Present Average Flow (GPD) ⁽²⁾ :	416,000
Present Peak Flow (GPD) ⁽²⁾ :	1,248,000
Design/Permitted Average Capacity (GPD):	2,631,294
Design/Permitted Peak Capacity (GPD):	7,893,881
Average Projected Flow (GPD)	437,325
Peak Projected Flow (GPD)	1,311,975

$$V = \frac{k}{n} R^{2/3} S^{1/2} \quad k = 1.4859 \text{ ft}^{1/3} / \text{s} \quad Q = VA$$

- Flow estimation provided by AE7, based on PA Code Title 25, Chapter 73, Paragraph 73.17
- Present Flows monitored by Drnach Environmental between 12/23/2022 & 01/21/2023. See additional flow data and charts provided.

step	solve for	if flow depth < radius
		
1	circular segment height	$h = d$
2	central angle	$\theta = 2 \arccos \left(\frac{r-h}{r} \right)$
3	circular segment area	$K = \frac{r^2 (\theta - \sin \theta)}{2}$
4	arc length	$s = r \times \theta$
5	flow area	$A = K$
6	wetted perimeter	$P_w = s$
7	hydraulic radius	$R_k = \frac{A}{P_w}$



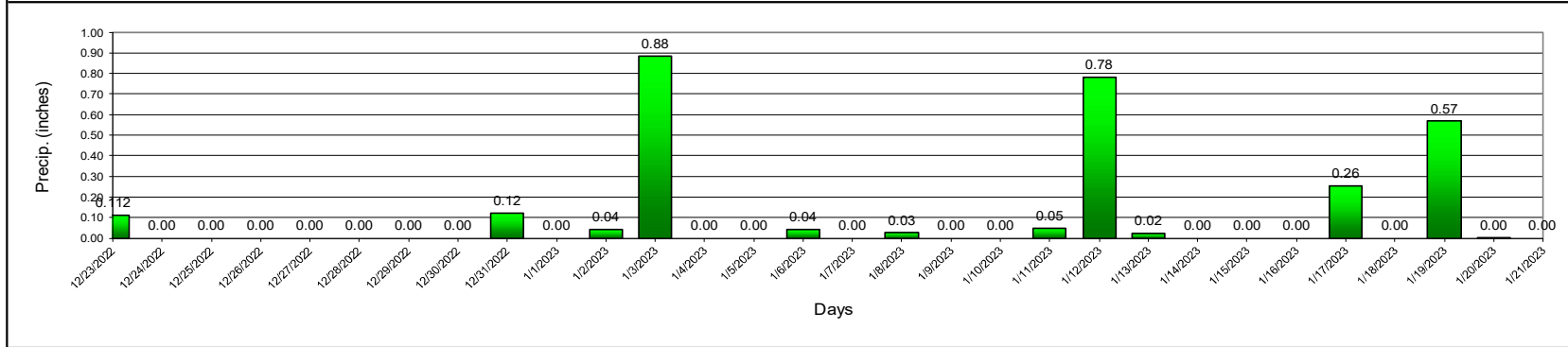
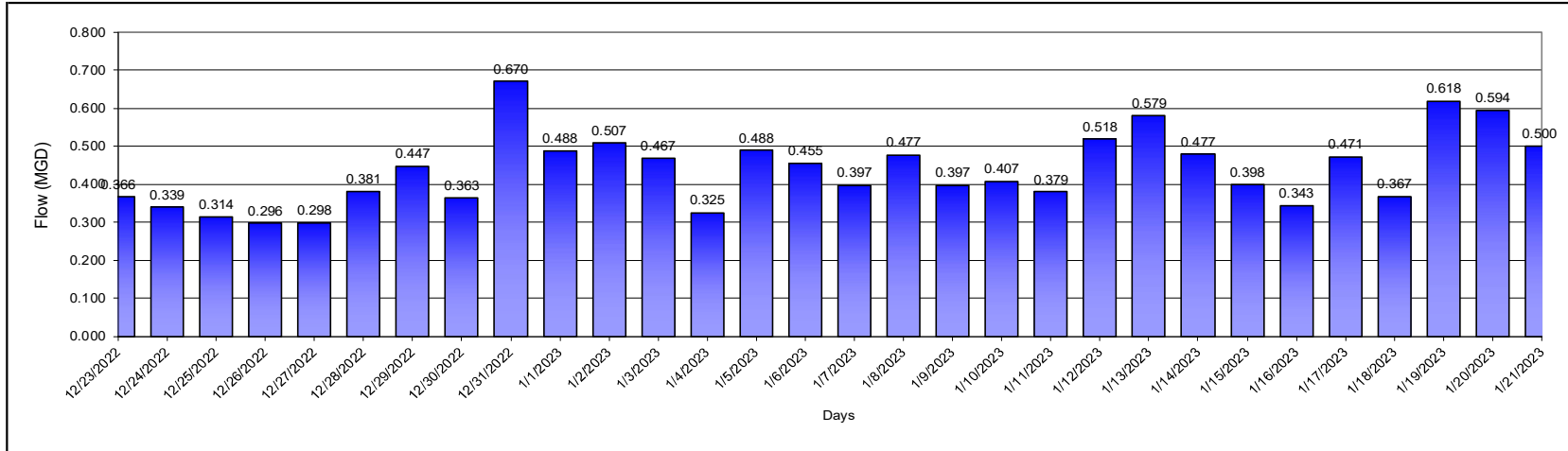
PROFESSIONAL ENGINEER SCOTT D. ROWLAND
STATE LIC. No. PE80563

SEWER FLOW MONITORING FROM OTHERS

Date:	12/23/2022	12/24/2022	12/25/2022	12/26/2022	12/27/2022	12/28/2022	12/29/2022	12/30/2022	12/31/2022	01/01/2023	01/02/2023	01/03/2023	01/04/2023	01/05/2023	01/06/2023	01/07/2023
Flow:	0.366	0.339	0.314	0.296	0.298	0.381	0.447	0.363	0.670	0.488	0.507	0.467	0.325	0.488	0.455	0.397
Precip.:	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.04	0.88	0.00	0.00	0.04	0.00

Date:	01/08/2023	01/09/2023	01/10/2023	01/11/2023	01/12/2023	01/13/2023	01/14/2023	01/15/2023	01/16/2023	01/17/2023	01/18/2023	01/19/2023	01/20/2023	01/21/2023
Flow:	0.477	0.397	0.407	0.379	0.518	0.579	0.477	0.398	0.343	0.471	0.367	0.618	0.594	0.500
Precip.:	0.03	0.00	0.00	0.05	0.78	0.02	0.00	0.00	0.00	0.26	0.00	0.57	0.00	0.00

MH18D020 Line Size: 15 " Manhole Depth: 0 "



MH18D020

December 23, 2022 through January 21, 2023

Line Size:	15 "	Manhole Depth:	0 "			
Date	Average Daily Flow (MGD)	Minimum Hourly Flow (Time)	Minimum Hourly Flow (MGD)	Maximum Hourly Flow (Time)	Maximum Hourly Flow (MGD)	Total 24 hr. Precip. (inches)

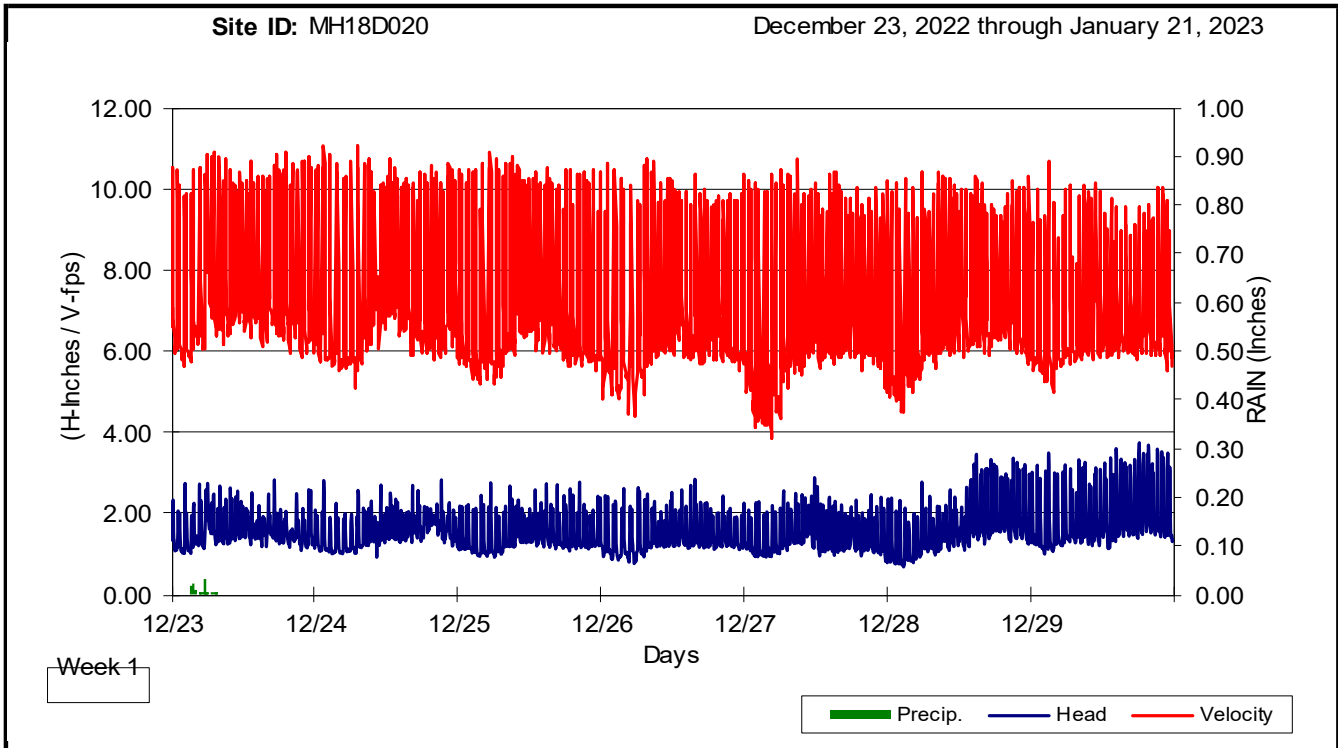
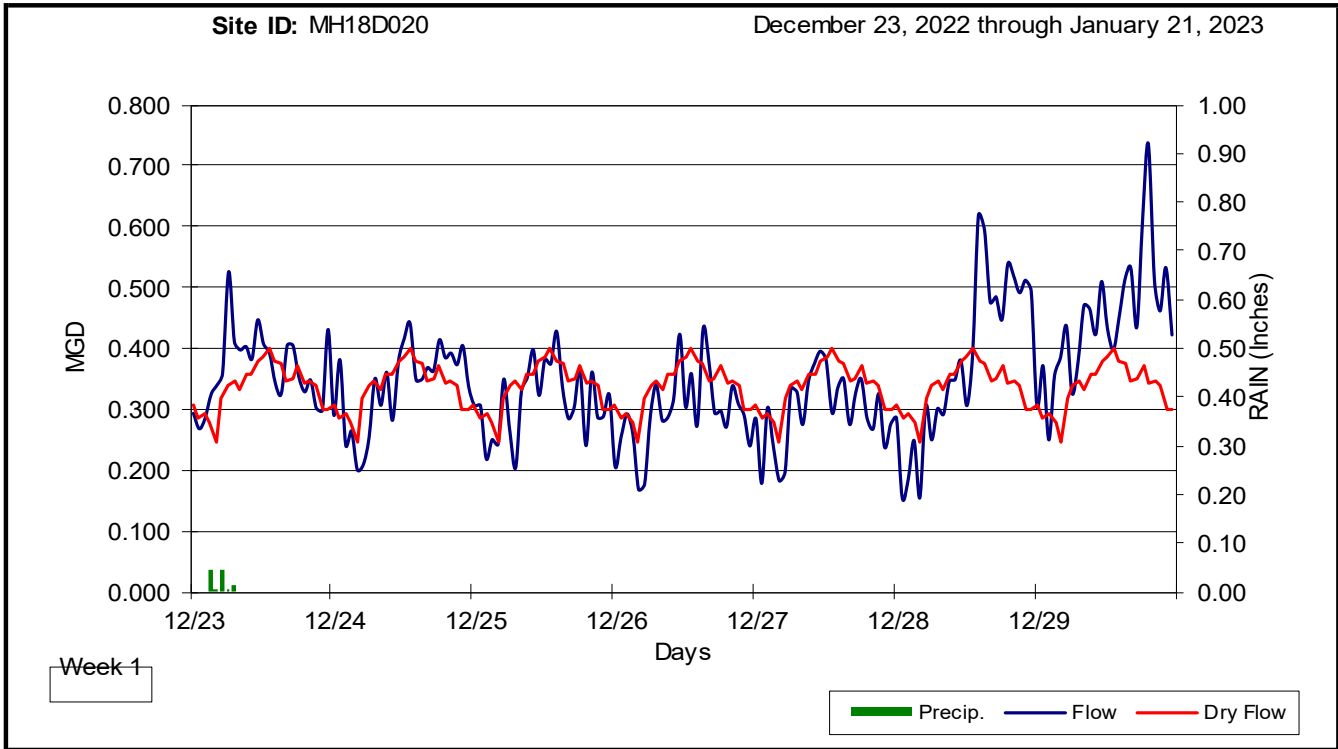
12/23/2022	0.366	1:00 AM	0.269	6:00 AM	0.526	0.11
12/24/2022	0.339	4:00 AM	0.202	1:00 PM	0.442	0.00
12/25/2022	0.314	7:00 AM	0.205	2:00 PM	0.429	0.00
12/26/2022	0.296	4:00 AM	0.170	3:00 PM	0.434	0.00
12/27/2022	0.298	1:00 AM	0.180	11:00 AM	0.396	0.00
12/28/2022	0.381	1:00 AM	0.156	2:00 PM	0.619	0.00
12/29/2022	0.447	2:00 AM	0.251	7:00 PM	0.736	0.00
12/30/2022	0.363	3:00 AM	0.199	9:00 AM	0.496	0.00
12/31/2022	0.670	1:00 AM	0.231	10:00 AM	1.257	0.12
01/01/2023	0.488	11:00 PM	0.284	11:00 AM	0.668	0.00
01/02/2023	0.507	3:00 AM	0.214	6:00 PM	0.770	0.04
01/03/2023	0.467	11:00 PM	0.250	10:00 AM	0.852	0.88
01/04/2023	0.325	7:00 AM	0.128	1:00 PM	0.496	0.00
01/05/2023	0.488	10:00 PM	0.253	6:00 AM	0.690	0.00
01/06/2023	0.455	12:00 AM	0.172	6:00 AM	0.569	0.04
01/07/2023	0.397	10:00 PM	0.322	10:00 AM	0.512	0.00
01/08/2023	0.477	10:00 PM	0.389	6:00 AM	0.581	0.03
01/09/2023	0.397	10:00 PM	0.308	10:00 AM	0.524	0.00
01/10/2023	0.407	11:00 PM	0.250	12:00 PM	0.572	0.00
01/11/2023	0.379	3:00 AM	0.228	6:00 AM	0.546	0.05
01/12/2023	0.518	5:00 AM	0.288	3:00 PM	0.726	0.78
01/13/2023	0.579	11:00 AM	0.389	12:00 AM	0.837	0.02
01/14/2023	0.477	7:00 PM	0.412	10:00 AM	0.558	0.00
01/15/2023	0.398	10:00 PM	0.318	10:00 AM	0.518	0.00
01/16/2023	0.343	1:00 AM	0.277	12:00 AM	0.442	0.00
01/17/2023	0.471	12:00 AM	0.270	4:00 AM	0.902	0.26
01/18/2023	0.367	7:00 PM	0.316	6:00 AM	0.451	0.00
01/19/2023	0.618	2:00 AM	0.360	12:00 PM	0.766	0.57
01/20/2023	0.594	8:00 PM	0.453	3:00 AM	0.821	0.00
01/21/2023	0.500	5:00 AM	0.408	10:00 AM	0.681	0.00

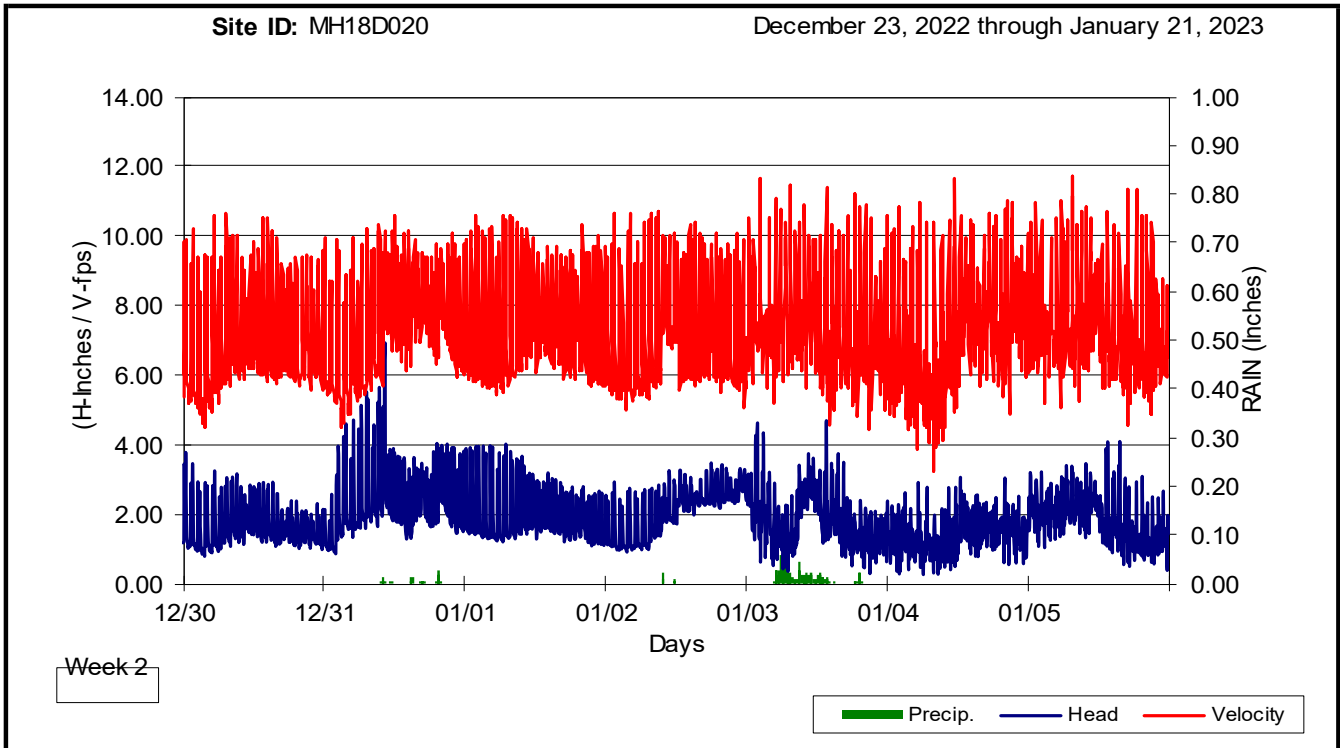
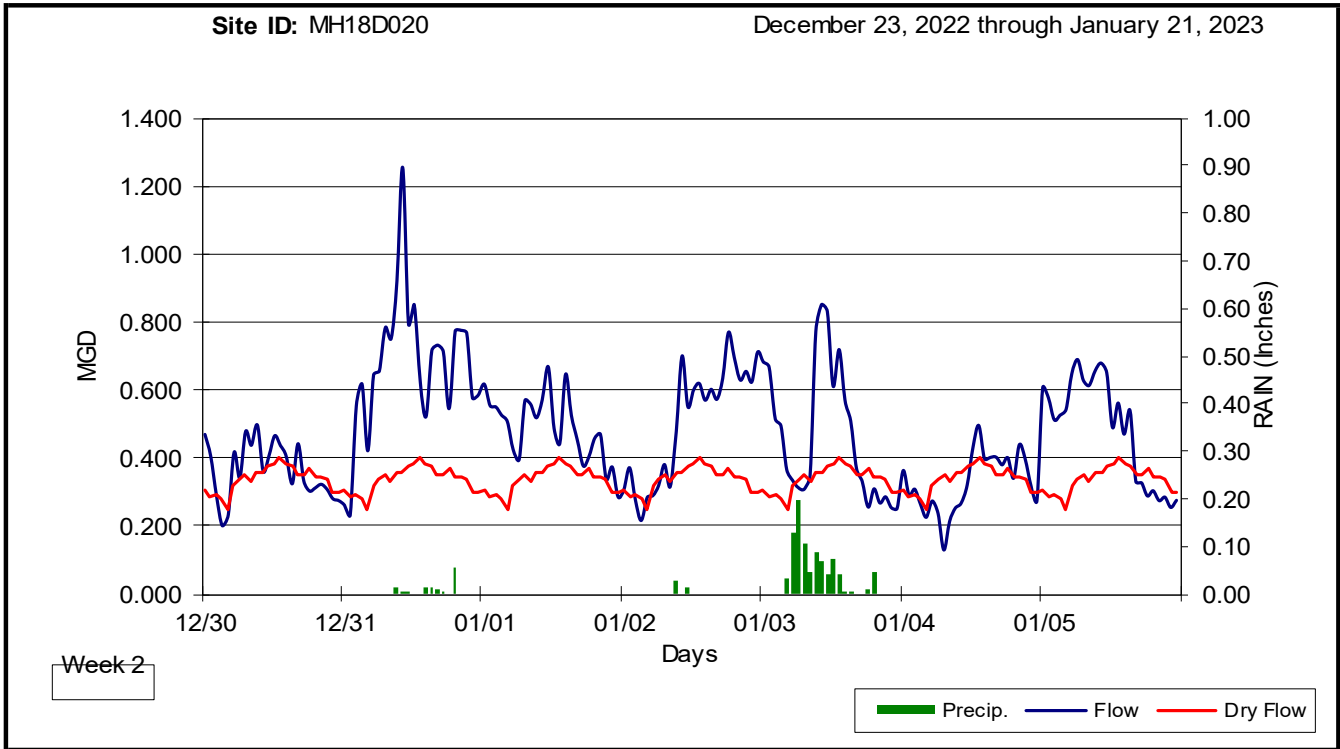
Average	0.438	0.272	0.627
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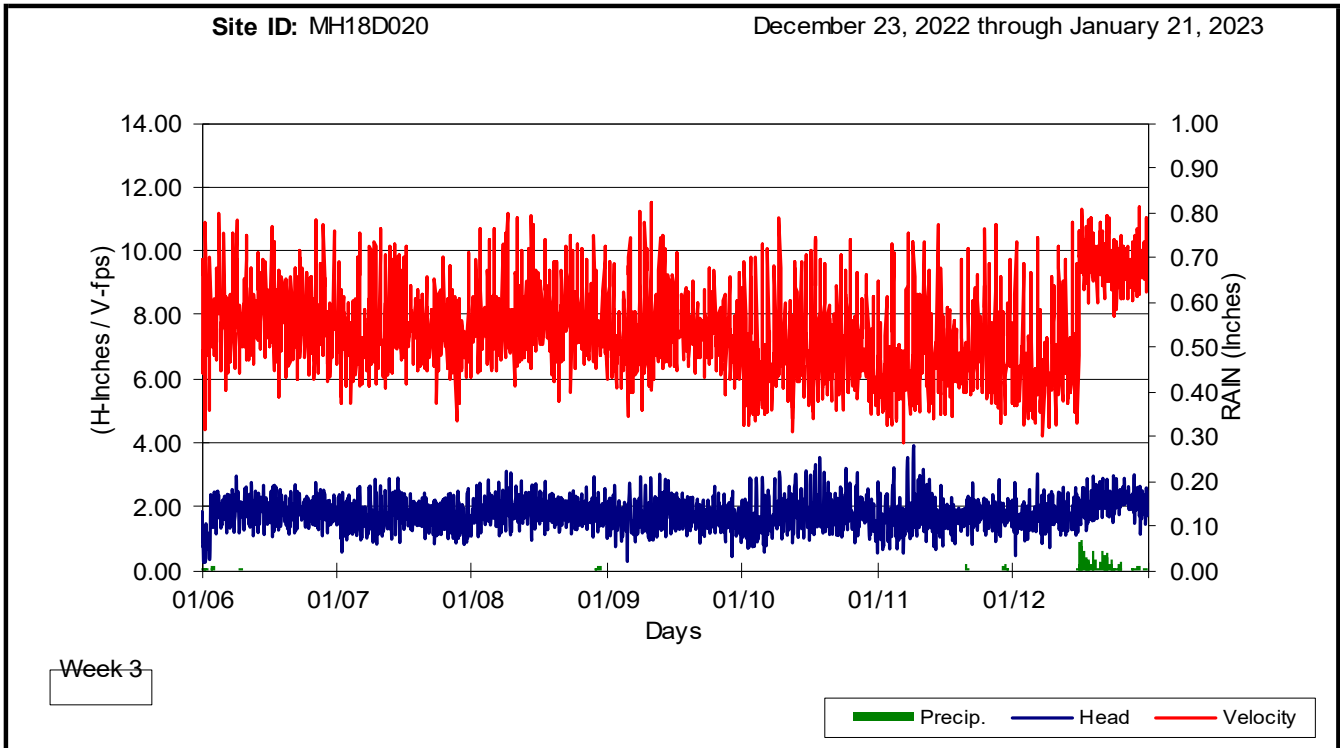
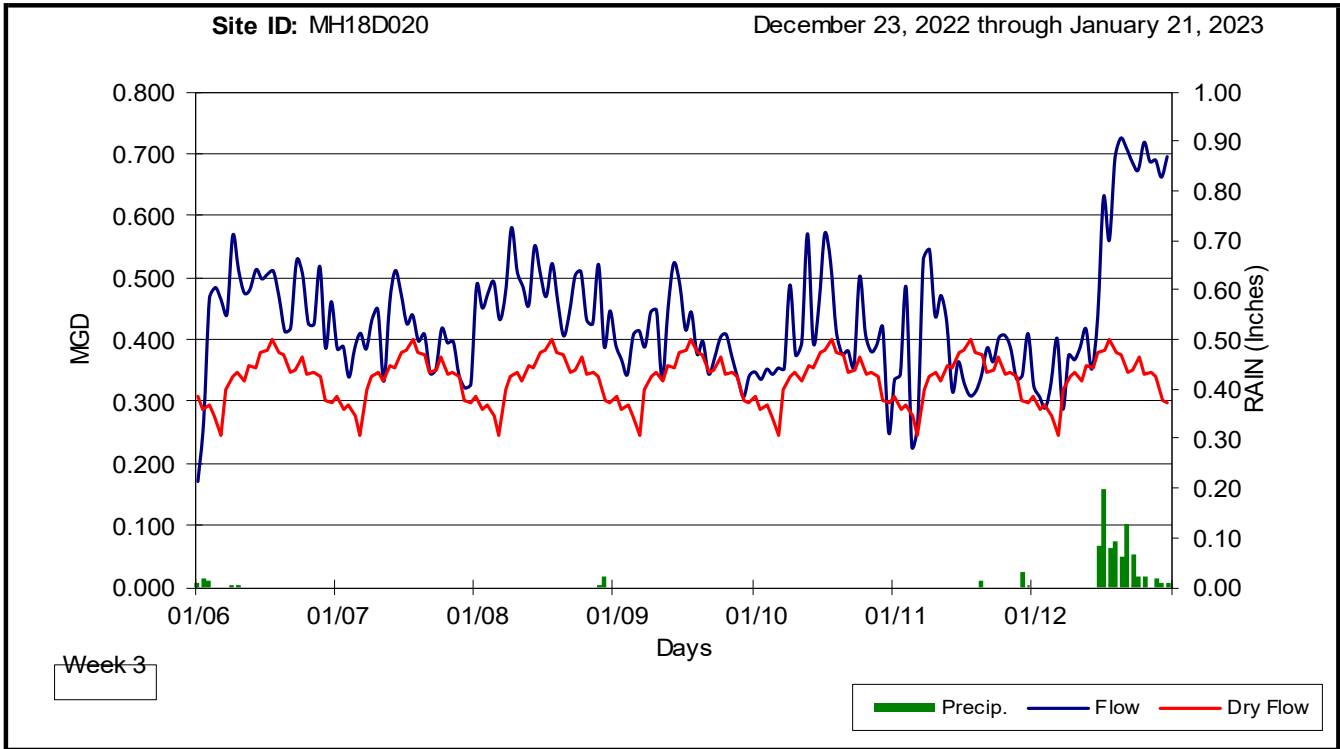
2.90	Total
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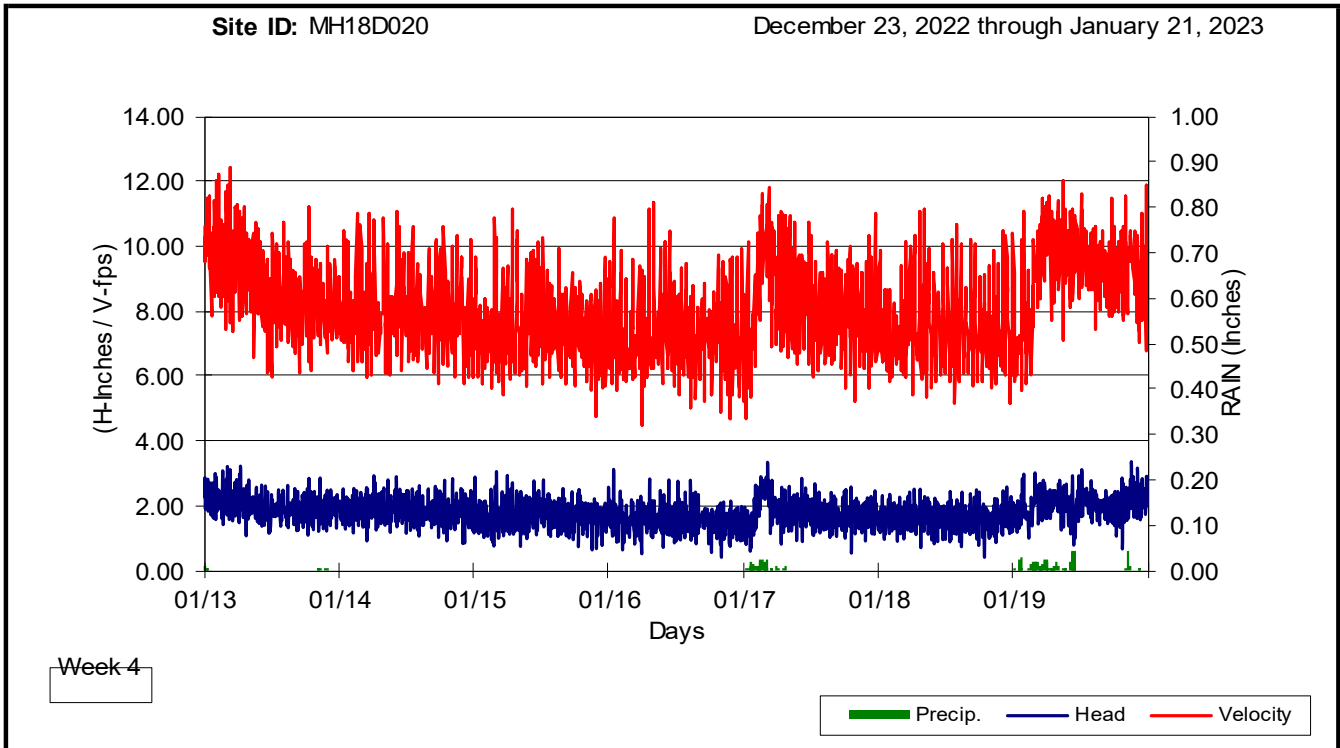
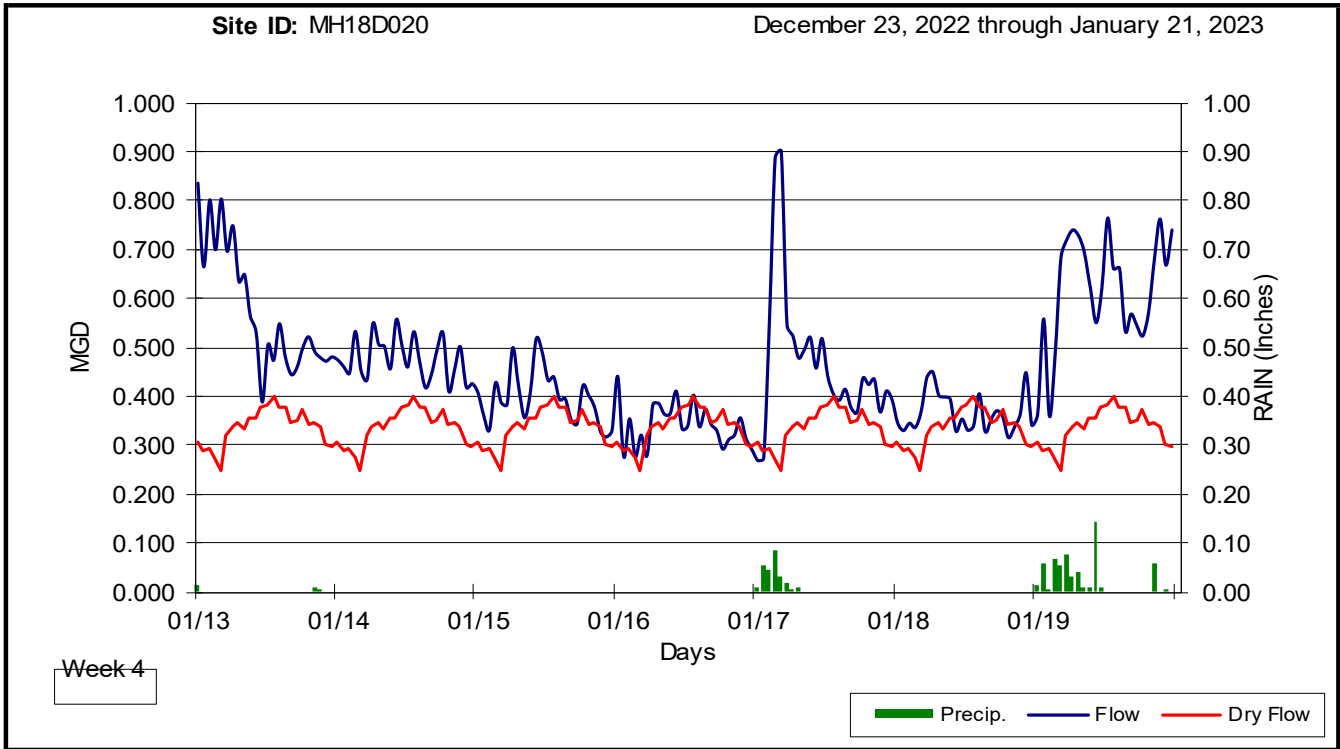
Minimum	0.296	0.128	0.396
Maximum	0.670	0.453	1.257

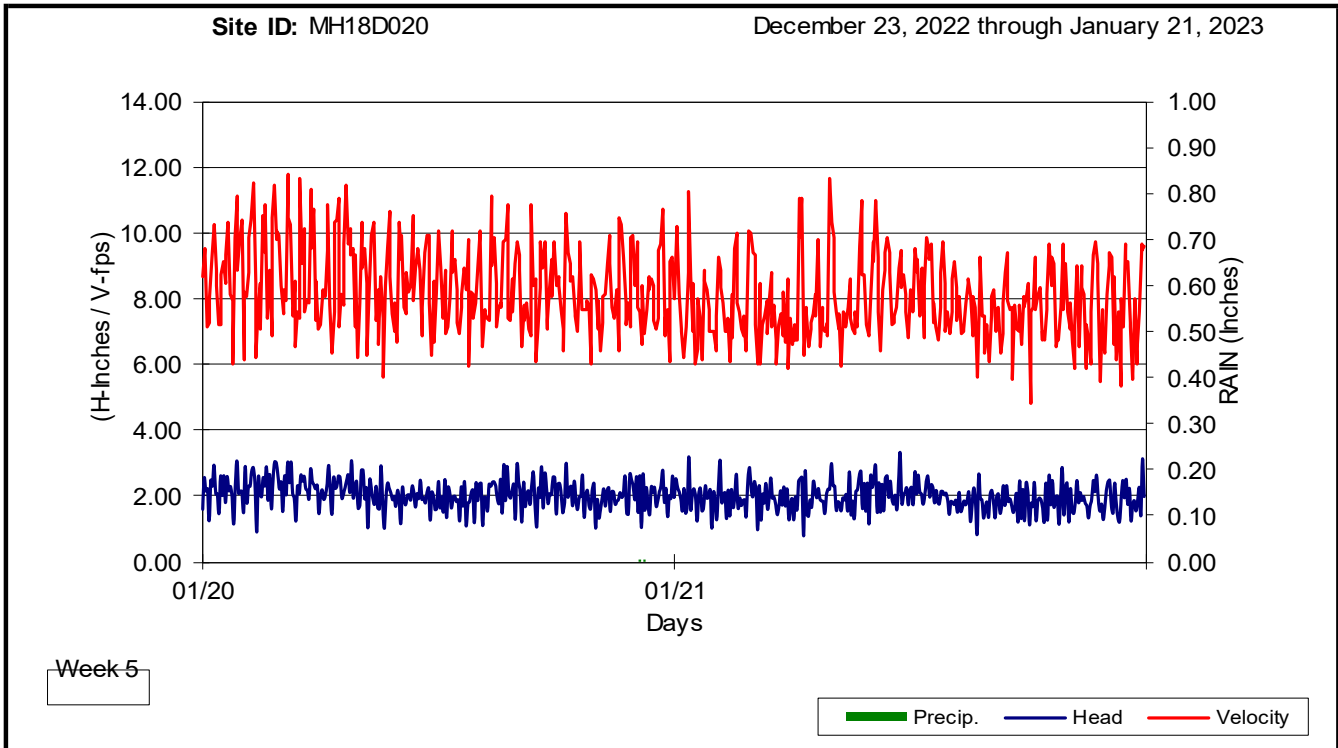
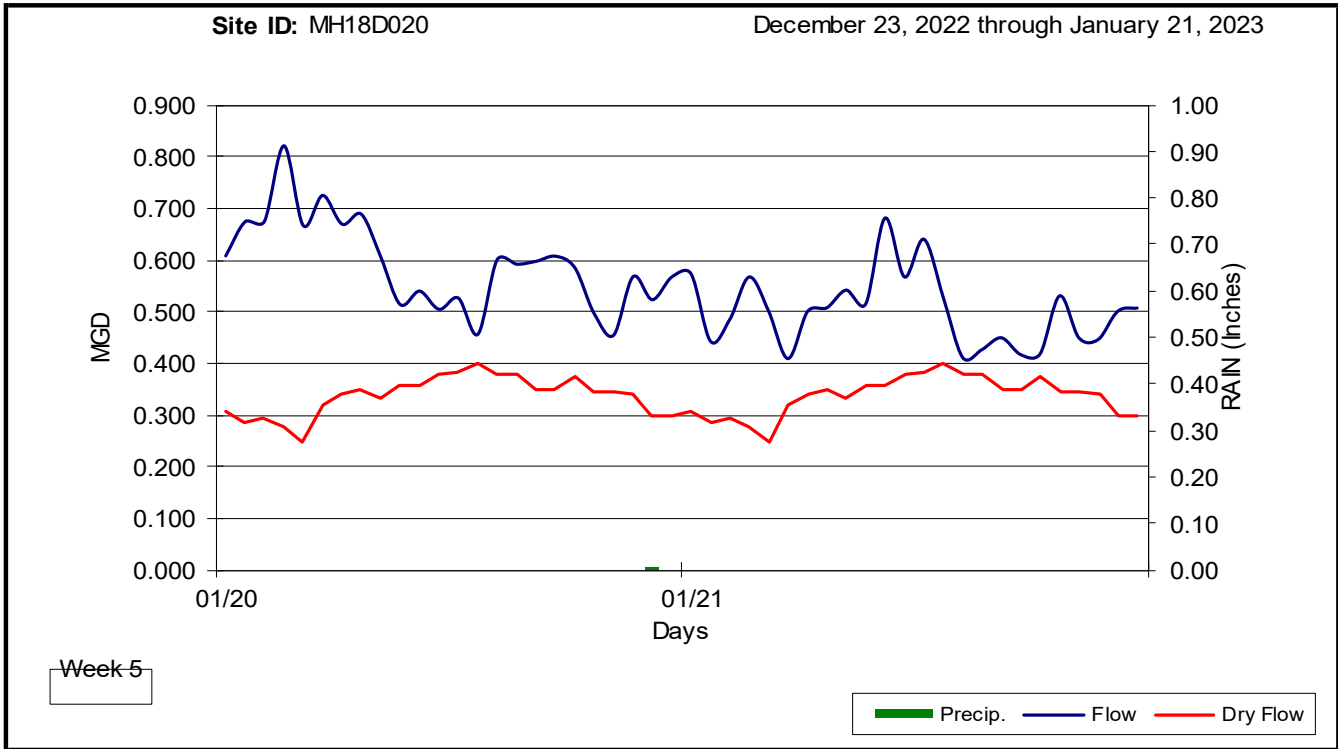
Total Flow	13.126	MG
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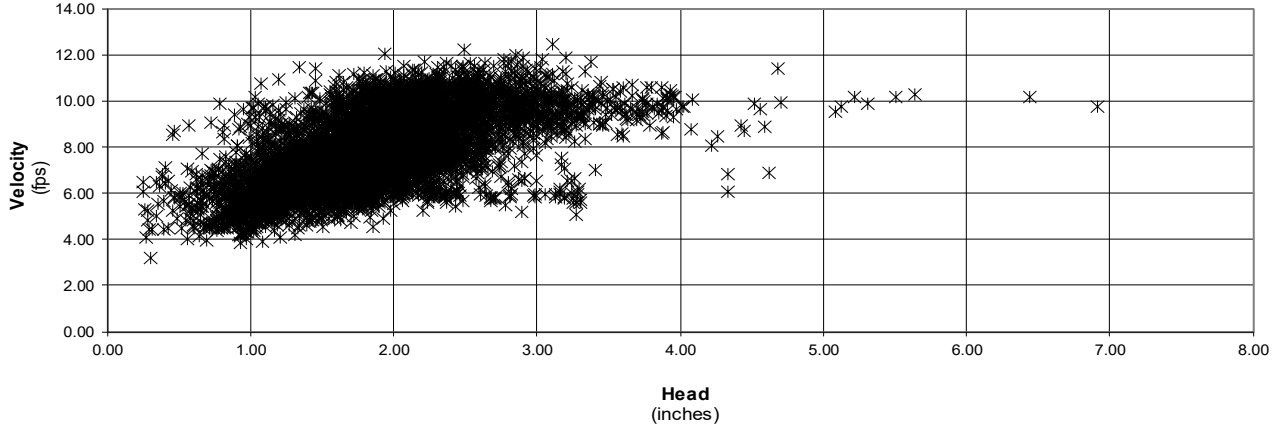
Line Size: 15 "

Manhole Depth: 0 "

MH18D020

December 23, 2022 through January 21, 2023

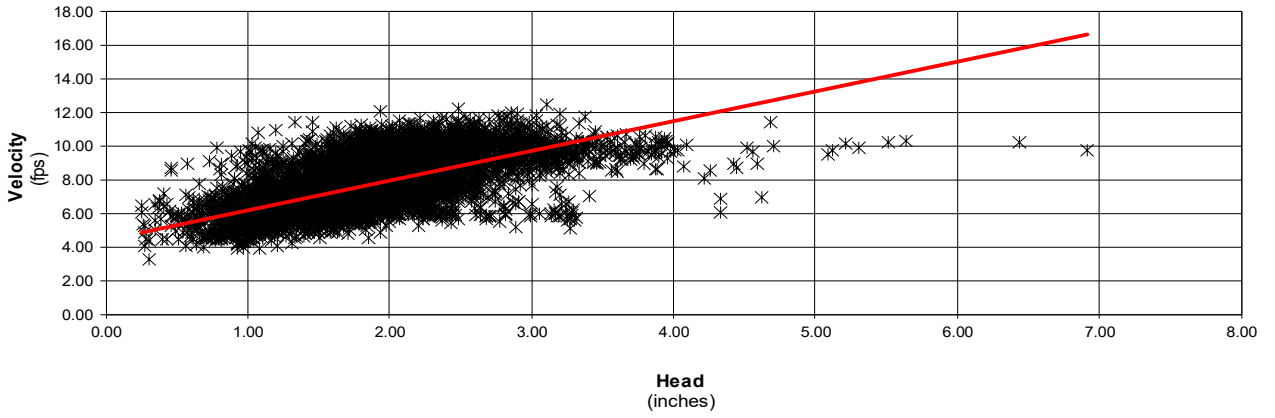
Scatter Plot (Head Vs Velocity)



MH18D020

December 23, 2022 through January 21, 2023

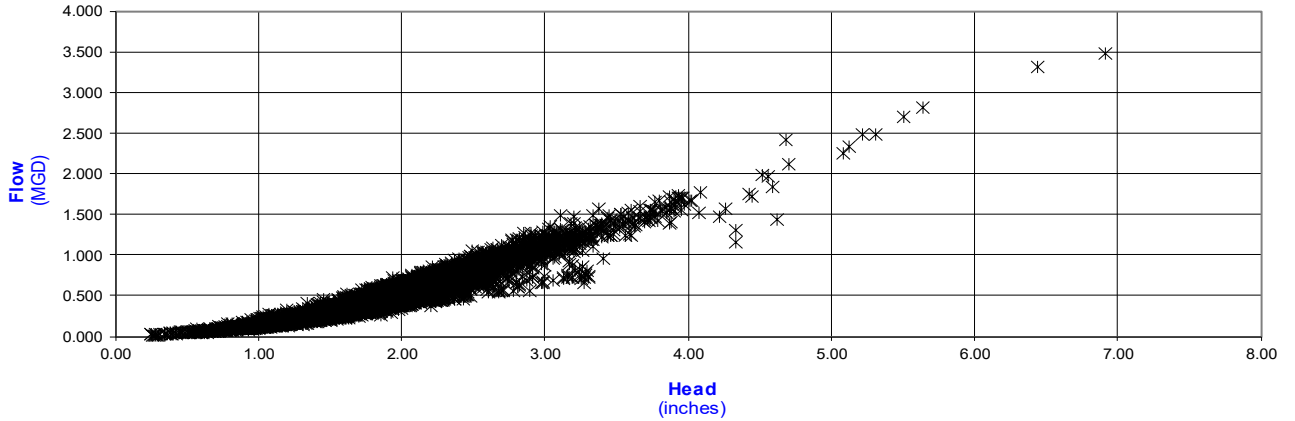
Scatter Plot (Free Flow)



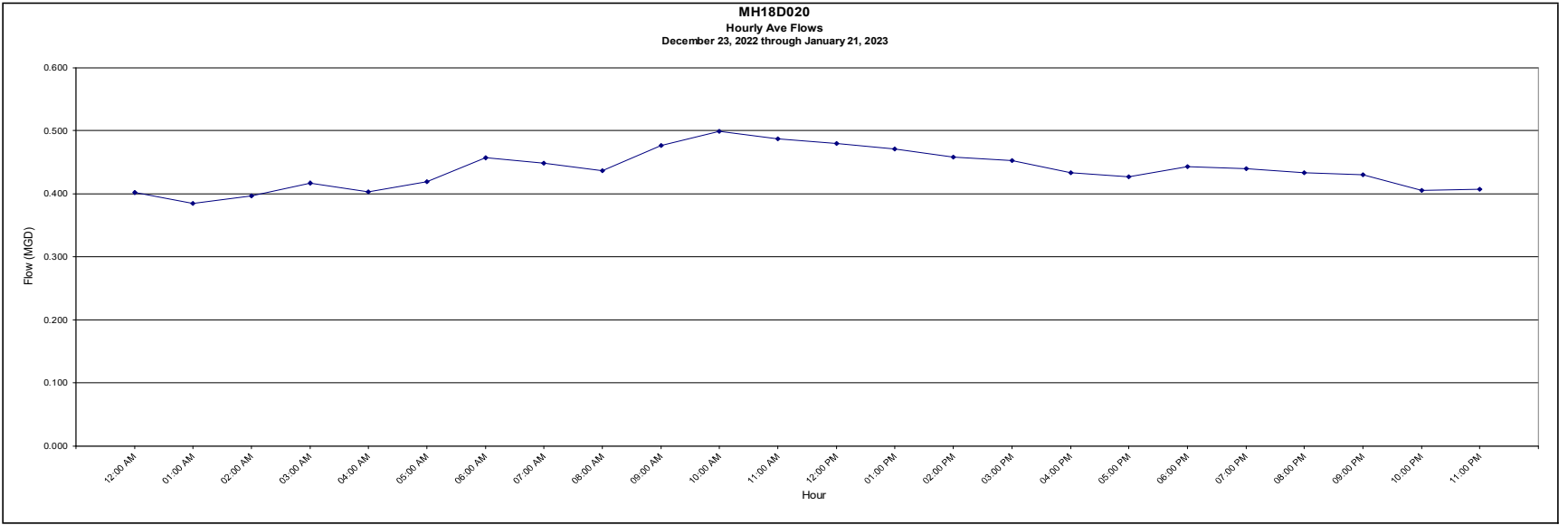
MH18D020

December 23, 2022 through January 21, 2023

Scatter Plot (Head Vs Flow)



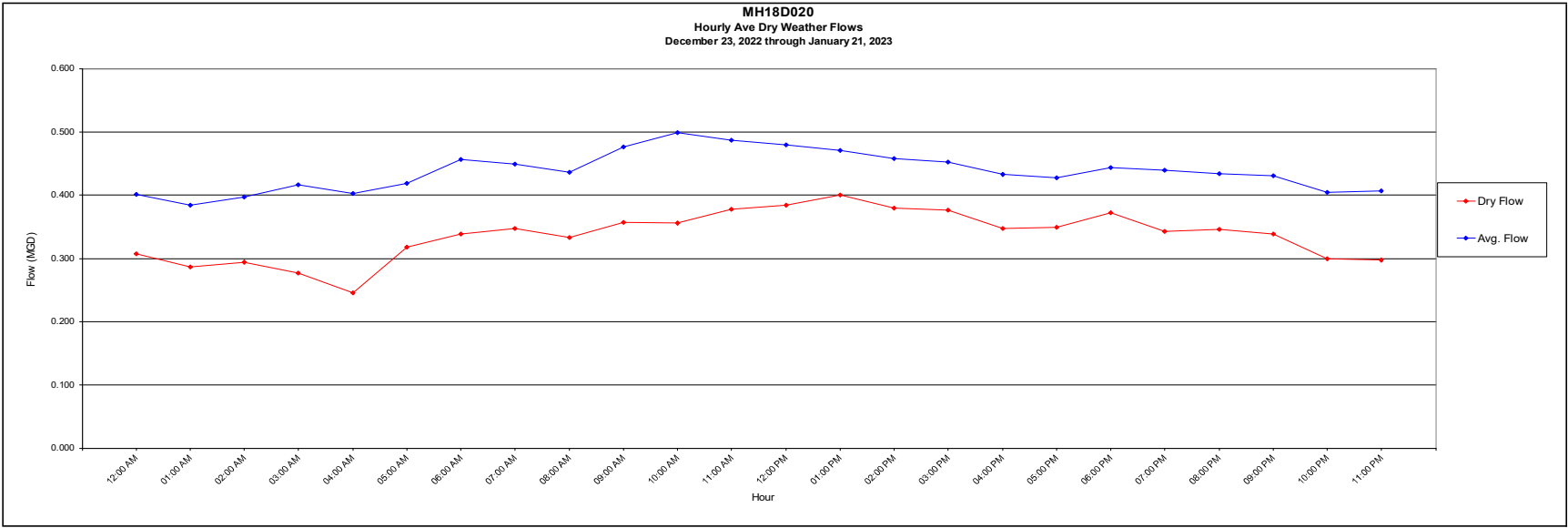
Average Hourly Flow		December 23, 2022 through January 21, 2023																													
2022	12/23	12/24	12/25	12/26	12/27	12/28	12/29	12/30	12/31	01/01	01/02	01/03	01/04	01/05	01/06	01/07	01/08	01/09	01/10	01/11	01/12	01/13	01/14	01/15	01/16	01/17	01/18	01/19	01/20	01/21	Average
12:00 AM	0.294	0.291	0.306	0.207	0.285	0.286	0.306	0.469	0.260	0.617	0.306	0.682	0.362	0.607	0.172	0.386	0.488	0.391	0.348	0.336	0.326	0.837	0.475	0.409	0.442	0.270	0.346	0.364	0.607	0.573	0.402
01:00 AM	0.269	0.382	0.307	0.254	0.180	0.156	0.372	0.404	0.231	0.553	0.370	0.667	0.290	0.360	0.451	0.368	0.336	0.344	0.308	0.666	0.461	0.362	0.277	0.274	0.331	0.560	0.674	0.442	0.384	0.442	0.384
02:00 AM	0.286	0.242	0.220	0.293	0.303	0.187	0.251	0.288	0.553	0.550	0.276	0.516	0.307	0.513	0.467	0.340	0.476	0.344	0.353	0.485	0.290	0.803	0.449	0.332	0.355	0.555	0.346	0.360	0.675	0.485	0.397
03:00 AM	0.325	0.265	0.252	0.261	0.238	0.250	0.356	0.199	0.617	0.525	0.214	0.494	0.262	0.525	0.485	0.387	0.494	0.408	0.345	0.228	0.330	0.701	0.534	0.428	0.277	0.889	0.338	0.488	0.821	0.567	0.417
04:00 AM	0.340	0.202	0.244	0.170	0.183	0.156	0.386	0.232	0.420	0.507	0.282	0.365	0.224	0.543	0.464	0.411	0.433	0.415	0.355	0.263	0.403	0.805	0.453	0.388	0.322	0.902	0.369	0.685	0.667	0.499	0.403
05:00 AM	0.359	0.210	0.350	0.178	0.198	0.306	0.437	0.415	0.644	0.424	0.288	0.333	0.272	0.648	0.442	0.386	0.476	0.389	0.354	0.530	0.288	0.698	0.436	0.384	0.279	0.547	0.440	0.722	0.725	0.408	0.419
06:00 AM	0.526	0.255	0.265	0.290	0.335	0.251	0.327	0.340	0.655	0.395	0.319	0.312	0.235	0.690	0.569	0.433	0.581	0.445	0.489	0.546	0.375	0.749	0.550	0.501	0.385	0.526	0.451	0.742	0.669	0.500	0.457
07:00 AM	0.412	0.351	0.205	0.341	0.329	0.302	0.381	0.477	0.784	0.568	0.380	0.307	0.128	0.629	0.513	0.449	0.510	0.448	0.375	0.439	0.368	0.636	0.507	0.418	0.386	0.480	0.403	0.730	0.688	0.507	0.448
08:00 AM	0.398	0.307	0.330	0.293	0.276	0.293	0.471	0.437	0.752	0.557	0.314	0.346	0.212	0.613	0.476	0.333	0.486	0.336	0.396	0.472	0.388	0.650	0.503	0.357	0.364	0.498	0.400	0.696	0.604	0.541	0.436
09:00 AM	0.403	0.362	0.352	0.288	0.347	0.346	0.466	0.496	0.922	0.518	0.478	0.773	0.251	0.657	0.482	0.458	0.456	0.450	0.572	0.429	0.418	0.564	0.458	0.410	0.365	0.522	0.395	0.623	0.513	0.514	0.476
10:00 AM	0.383	0.283	0.398	0.319	0.376	0.349	0.424	0.360	1.257	0.571	0.700	0.852	0.266	0.679	0.514	0.512	0.552	0.524	0.396	0.317	0.353	0.531	0.558	0.518	0.411	0.458	0.330	0.552	0.539	0.681	0.499
11:00 AM	0.447	0.380	0.324	0.424	0.396	0.381	0.510	0.405	0.796	0.668	0.551	0.831	0.319	0.651	0.499	0.475	0.507	0.489	0.459	0.365	0.438	0.389	0.504	0.493	0.335	0.520	0.355	0.623	0.504	0.567	0.487
12:00 PM	0.408	0.417	0.382	0.305	0.382	0.307	0.435	0.465	0.852	0.487	0.600	0.612	0.430	0.489	0.507	0.426	0.470	0.416	0.572	0.331	0.631	0.506	0.461	0.434	0.341	0.443	0.331	0.766	0.526	0.640	0.479
01:00 PM	0.392	0.442	0.375	0.359	0.295	0.390	0.399	0.436	0.623	0.442	0.619	0.719	0.496	0.562	0.511	0.440	0.524	0.445	0.526	0.310	0.561	0.475	0.534	0.441	0.404	0.404	0.341	0.662	0.456	0.528	0.470
02:00 PM	0.344	0.349	0.429	0.274	0.337	0.619	0.453	0.404	0.522	0.646	0.570	0.571	0.397	0.469	0.468	0.398	0.460	0.377	0.414	0.317	0.694	0.550	0.472	0.395	0.339	0.393	0.406	0.663	0.600	0.410	0.458
03:00 PM	0.350	0.350	0.338	0.434	0.350	0.596	0.514	0.323	0.716	0.525	0.602	0.508	0.401	0.539	0.413	0.409	0.407	0.398	0.377	0.343	0.726	0.480	0.419	0.396	0.375	0.416	0.329	0.535	0.591	0.426	0.452
04:00 PM	0.405	0.370	0.286	0.379	0.276	0.476	0.533	0.441	0.732	0.454	0.573	0.369	0.402	0.330	0.420	0.346	0.444	0.345	0.382	0.387	0.710	0.445	0.444	0.352	0.344	0.378	0.355	0.569	0.597	0.449	0.433
05:00 PM	0.406	0.364	0.304	0.295	0.327	0.485	0.435	0.331	0.712	0.376	0.634	0.330	0.379	0.326	0.529	0.353	0.504	0.370	0.357	0.365	0.687	0.460	0.495	0.345	0.330	0.368	0.372	0.546	0.607	0.416	0.427
06:00 PM	0.355	0.415	0.366	0.298	0.350	0.448	0.611	0.301	0.545	0.403	0.770	0.254	0.400	0.287	0.506	0.418	0.510	0.404	0.503	0.404	0.675	0.501	0.530	0.422	0.293	0.438	0.359	0.525	0.584	0.417	0.443
07:00 PM	0.330	0.385	0.241	0.272	0.286	0.539	0.736	0.311	0.774	0.458	0.697	0.308	0.339	0.302	0.427	0.395	0.432	0.409	0.410	0.408	0.719	0.523	0.412	0.403	0.313	0.425	0.316	0.573	0.496	0.530	0.439
08:00 PM	0.349	0.393	0.361	0.339	0.269	0.520	0.514	0.321	0.776	0.469	0.629	0.266	0.438	0.273	0.426	0.397	0.427	0.372	0.381	0.388	0.688	0.493	0.455	0.380	0.322	0.436	0.338	0.681	0.453	0.449	0.433
09:00 PM	0.303	0.374	0.288	0.310	0.326	0.492	0.462	0.306	0.768	0.337	0.655	0.284	0.397	0.283	0.519	0.343	0.522	0.339	0.393	0.337	0.690	0.480	0.503	0.329	0.357	0.369	0.365	0.763	0.567	0.446	0.430
10:00 PM	0.299	0.405	0.289	0.291	0.239	0.512	0.533	0.278	0.577	0.372	0.624	0.252	0.314	0.253	0.387	0.322	0.389	0.308	0.420	0.343	0.663	0.473	0.419	0.318	0.315	0.412	0.450	0.670	0.523	0.501	0.405
11:00 PM	0.432	0.338	0.324	0.241	0.276	0.495	0.423	0.273	0.585	0.284	0.712	0.250	0.273	0.274	0.462	0.329	0.447	0.342	0.250	0.410	0.696	0.482	0.427	0.331	0.291	0.395	0.342	0.741	0.567	0.506	0.407
AVG.	0.366	0.339	0.314	0.296	0.298	0.381	0.447	0.363	0.670	0.488	0.507	0.467	0.325	0.488	0.455	0.397	0.477	0.397	0.407	0.379	0.518	0.579	0.477	0.398	0.343	0.471	0.367	0.618	0.594	0.500	0.438
Precip.:	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.04	0.88	0.00	0.00	0.04	0.00	0.03	0.00	0.00	0.05	0.78	0.02	0.00	0.00	0.00	0.26	0.00	0.57	0.00	0.00	



Average Hourly Dry Flow

December 23, 2022 through January 21, 2023

2022	12/23	12/24	12/25	12/26	12/27	12/28	12/29	12/30	12/31	01/01	01/02	01/03	01/04	01/05	01/06	01/07	01/08	01/09	01/10	01/11	01/12	01/13	01/14	01/15	01/16	01/17	01/18	01/19	01/20	01/21	Average
12:00 AM		0.291	0.306	0.207	0.285	0.286	0.306									0.386			0.348											0.307	
01:00 AM		0.307	0.254	0.180	0.156	0.372							0.290						0.336					0.362	0.277		0.346			0.287	
02:00 AM		0.242	0.220	0.293	0.303	0.187	0.251	0.288					0.307			0.340			0.353				0.332	0.355		0.346			0.294		
03:00 AM		0.265	0.252	0.261	0.238	0.250	0.356	0.199					0.262						0.345				0.277	0.355		0.338			0.277		
04:00 AM		0.202	0.244	0.170	0.183	0.156	0.232	0.415					0.224						0.355				0.322	0.355		0.369			0.246		
05:00 AM		0.210	0.350	0.178	0.198	0.306	0.415	0.340					0.272			0.386		0.389	0.354				0.384	0.279		0.369		0.408	0.318		
06:00 AM		0.255	0.265	0.290	0.335	0.251	0.327	0.340		0.395			0.235			0.433		0.445	0.448				0.418	0.385		0.451			0.339		
07:00 AM		0.351	0.205	0.341	0.329	0.302	0.381	0.437					0.128			0.449		0.448	0.375				0.418	0.386		0.403			0.347		
08:00 AM		0.307	0.330	0.283	0.276	0.293	0.437	0.360					0.212			0.333		0.336	0.396				0.357	0.364		0.400			0.333		
09:00 AM		0.362	0.352	0.288	0.347	0.346	0.424	0.360					0.251					0.450	0.396				0.410	0.365		0.395			0.357		
10:00 AM		0.283	0.398	0.319	0.376	0.349	0.404	0.405					0.266					0.459	0.377				0.419	0.375		0.329			0.356		
11:00 AM		0.380	0.324	0.424	0.396	0.381	0.405	0.404					0.319					0.416	0.377				0.419	0.341		0.355			0.378		
12:00 PM		0.417	0.382	0.305	0.382	0.307	0.435	0.404					0.430			0.426		0.416	0.398				0.434	0.341		0.331			0.384		
01:00 PM		0.442	0.375	0.359	0.295	0.390	0.399	0.436		0.442			0.401			0.440		0.445	0.377				0.441	0.404		0.341			0.401		
02:00 PM		0.349	0.429	0.274	0.337	0.404	0.323	0.311					0.397			0.398		0.377	0.414				0.395	0.339		0.406		0.410	0.379		
03:00 PM		0.350	0.338	0.350	0.276	0.331	0.311	0.306					0.402	0.330		0.346		0.345	0.382				0.419	0.375		0.329		0.426	0.376		
04:00 PM		0.370	0.286	0.379	0.276	0.331	0.311	0.306		0.376			0.402	0.330		0.346		0.345	0.382				0.419	0.375		0.329		0.426	0.376		
05:00 PM		0.364	0.304	0.295	0.327	0.331	0.311	0.306		0.376			0.379	0.326		0.353		0.370	0.357				0.419	0.375		0.329		0.426	0.376		
06:00 PM		0.415	0.366	0.298	0.350	0.448	0.311	0.306		0.403			0.400	0.287		0.418		0.404	0.357				0.419	0.375		0.329		0.426	0.376		
07:00 PM		0.385	0.241	0.272	0.286	0.311	0.306	0.306		0.337			0.339	0.302		0.395		0.409	0.410				0.412	0.403		0.313		0.417	0.343		
08:00 PM		0.393	0.361	0.339	0.269	0.321	0.306	0.306		0.337			0.397	0.273		0.397		0.372	0.381				0.412	0.403		0.313		0.417	0.343		
09:00 PM		0.374	0.288	0.310	0.326	0.321	0.306	0.306		0.337			0.397	0.283		0.343		0.339	0.393				0.412	0.403		0.313		0.417	0.343		
10:00 PM		0.289	0.291	0.239	0.278	0.278	0.278	0.278		0.372			0.314	0.253		0.322		0.308	0.381				0.412	0.403		0.313		0.417	0.343		
11:00 PM		0.338	0.324	0.241	0.276	0.273	0.273	0.273		0.284			0.273	0.274		0.329		0.342	0.250				0.412	0.403		0.313		0.417	0.343		
AVG.		0.334	0.314	0.290	0.298	0.294	0.361	0.331		0.373			0.309	0.291		0.384		0.388	0.371				0.415	0.378		0.360		0.416	0.336		
Precip.:	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.04	0.88	0.00	0.00	0.04	0.00	0.03	0.00	0.00	0.05	0.78	0.02	0.00	0.00	0.00	0.26	0.00	0.57	0.00	0.00	

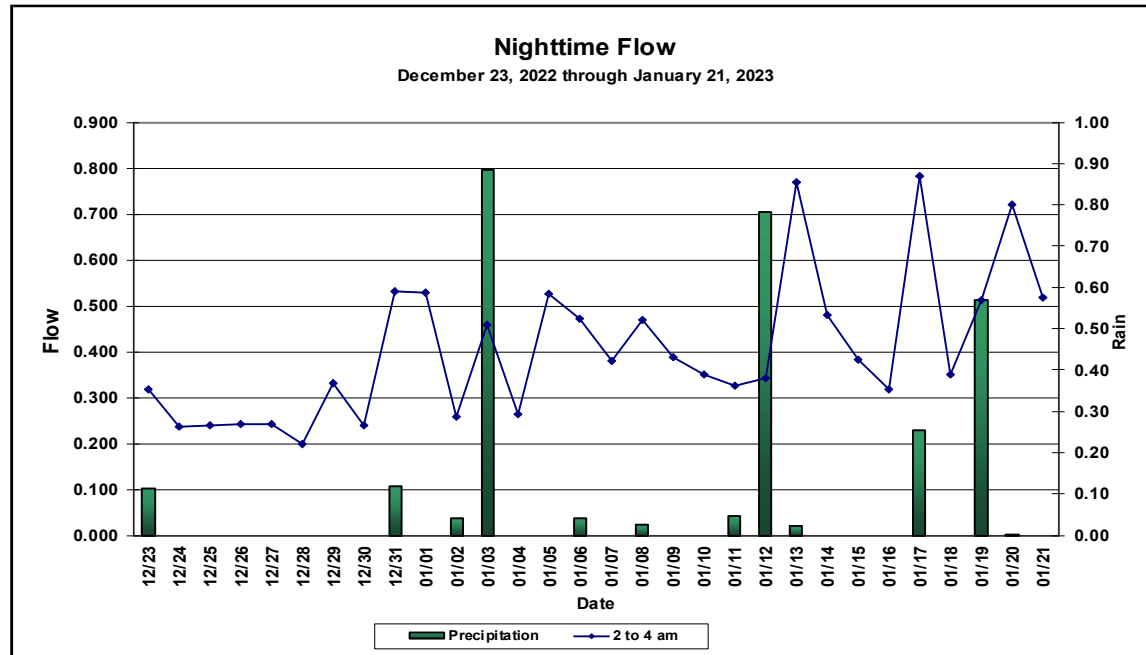


MH18D020

Nighttime Flow

Date	Total 24 hr Precipitation	Ave flow 2 to 4 am
12/23	0.11	0.317
12/24	0.00	0.236
12/25	0.00	0.238
12/26	0.00	0.241
12/27	0.00	0.242
12/28	0.00	0.198
12/29	0.00	0.331
12/30	0.00	0.240
12/31	0.12	0.530
01/01	0.00	0.527
01/02	0.04	0.257
01/03	0.88	0.458
01/04	0.00	0.264
01/05	0.00	0.527
01/06	0.04	0.472
01/07	0.00	0.379
01/08	0.03	0.468
01/09	0.00	0.389
01/10	0.00	0.351
01/11	0.05	0.325
01/12	0.78	0.341
01/13	0.02	0.769
01/14	0.00	0.479
01/15	0.00	0.383
01/16	0.00	0.318
01/17	0.26	0.782
01/18	0.00	0.351
01/19	0.57	0.511
01/20	0.00	0.721
01/21	0.00	0.517

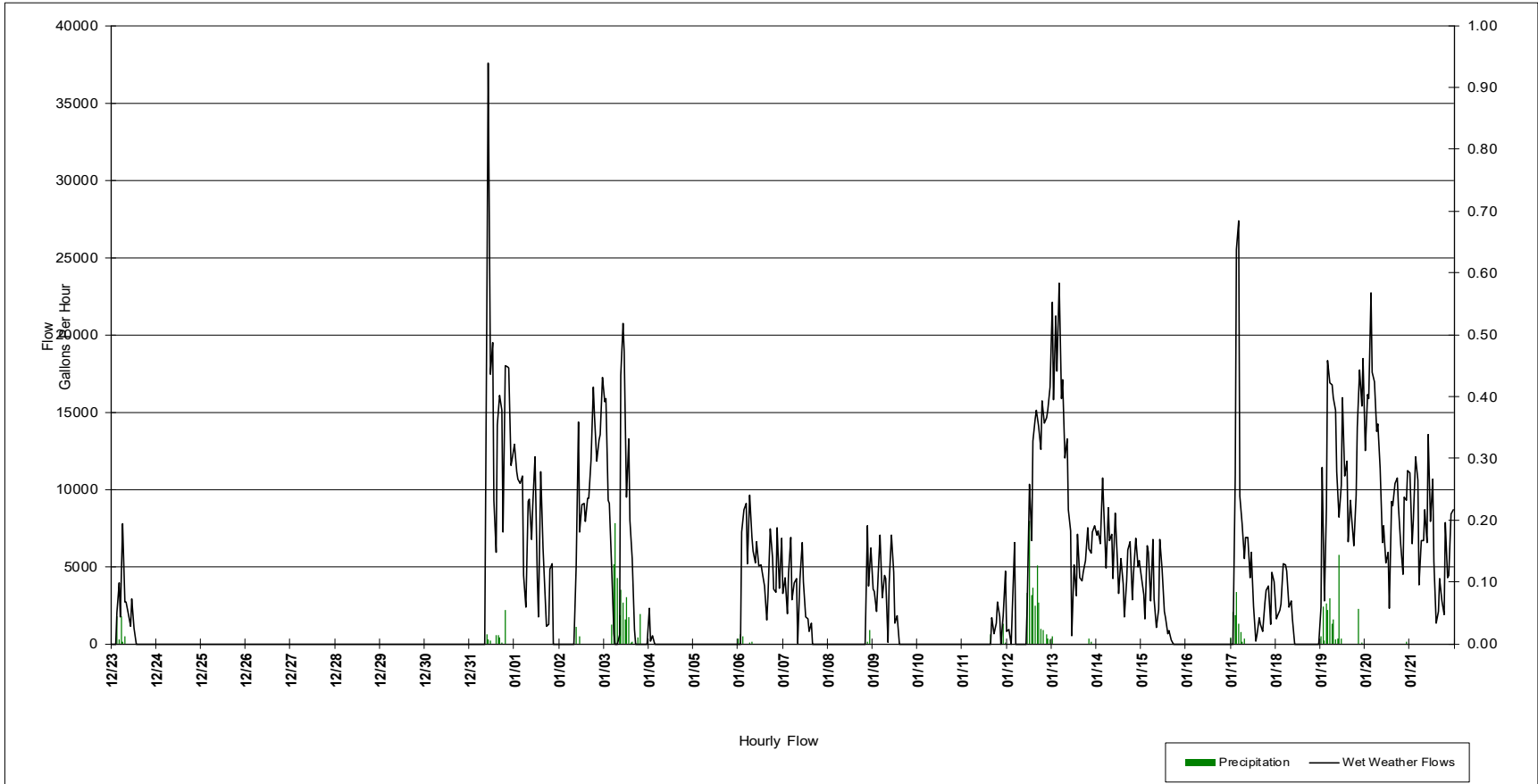
AVG	0.10	0.405
MIN	0.00	0.198
MAX	0.88	0.782



Nighttime Flows During Dry Weather Flow is Commonly Estimated to be 90% Ground Water Infiltration According to EPA SSOAP Toolbox

Wet Weather Flow Volumes

MH18D020



Date:	12/23/2022	12/24/2022	12/25/2022	12/26/2022	12/27/2022	12/28/2022	12/29/2022	12/30/2022	12/31/2022	1/1/2023	1/2/2023	1/3/2023	1/4/2023	1/5/2023	1/6/2023	1/7/2023
Flow (GPD):	27,890	0	0	0	0	0	0	0	243,011	149,266	170,364	150,113	2,970	0	125,301	52,296
Precip. (In.):	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.04	0.88	0.00	0.00	0.04	0.00
Date:	1/8/2023	1/9/2023	1/10/2023	1/11/2023	1/12/2023	1/13/2023	1/14/2023	1/15/2023	1/16/2023	1/17/2023	1/18/2023	1/19/2023	1/20/2023	1/21/2023		
Flow (GPD):	17,556	52,002	0	14,544	175,792	242,796	141,195	53,991	0	137,319	29,827	282,006	257,726	163,819		
Precip. (In.):	0.03	0.00	0.00	0.05	0.78	0.02	0.00	0.00	0.00	0.26	0.00	0.57	0.00	0.00		

MH18D020

December 23, 2022 through January 21, 2023

	Time	Head inches	Velocity fps	Flow MGD	Precip. inches
12/23/2022	12:00 AM	1.42	6.90	0.294	0.00
	1:00 AM	1.34	6.91	0.269	0.00
	2:00 AM	1.38	6.73	0.286	0.00
	3:00 AM	1.48	7.16	0.325	0.05
	4:00 AM	1.53	7.08	0.340	0.01
	5:00 AM	1.59	7.26	0.359	0.05
	6:00 AM	1.92	8.31	0.526	0.00
	7:00 AM	1.66	7.77	0.412	0.01
	8:00 AM	1.65	7.51	0.398	0.00
	9:00 AM	1.64	7.69	0.403	0.00
	10:00 AM	1.65	7.55	0.383	0.00
	11:00 AM	1.74	8.18	0.447	0.00
	12:00 PM	1.72	7.79	0.408	0.00
	1:00 PM	1.62	7.90	0.392	0.00
	2:00 PM	1.56	7.59	0.344	0.00
	3:00 PM	1.52	7.43	0.326	0.00
	4:00 PM	1.69	7.88	0.405	0.00
	5:00 PM	1.65	7.76	0.406	0.00
	6:00 PM	1.55	7.68	0.355	0.00
	7:00 PM	1.49	7.62	0.330	0.00
	8:00 PM	1.54	7.72	0.349	0.00
	9:00 PM	1.46	7.05	0.303	0.00
	10:00 PM	1.43	7.20	0.299	0.00
	11:00 PM	1.69	7.77	0.432	0.00

MIN	1.34	6.73	0.269	MIN	0.00
MAX	1.92	8.31	0.526	MAX	0.05
AVE	1.58	7.52	0.366	TOTAL	0.11

12/24/2022	12:00 AM	1.41	7.03	0.291	0.00
	1:00 AM	1.55	7.38	0.382	0.00
	2:00 AM	1.26	6.76	0.242	0.00
	3:00 AM	1.31	6.83	0.265	0.00
	4:00 AM	1.19	6.26	0.202	0.00
	5:00 AM	1.23	6.29	0.210	0.00
	6:00 AM	1.31	6.69	0.255	0.00
	7:00 AM	1.51	7.17	0.351	0.00
	8:00 AM	1.46	7.13	0.307	0.00
	9:00 AM	1.57	7.59	0.362	0.00
	10:00 AM	1.41	7.24	0.283	0.00
	11:00 AM	1.60	7.72	0.380	0.00
	12:00 PM	1.68	7.89	0.417	0.00
	1:00 PM	1.72	8.19	0.442	0.00
	2:00 PM	1.55	7.64	0.349	0.00
	3:00 PM	1.59	7.49	0.350	0.00
	4:00 PM	1.66	7.22	0.370	0.00
	5:00 PM	1.65	7.13	0.364	0.00
	6:00 PM	1.78	7.48	0.415	0.00
	7:00 PM	1.79	7.05	0.385	0.00
	8:00 PM	1.78	7.23	0.393	0.00
	9:00 PM	1.69	7.04	0.374	0.00
	10:00 PM	1.69	7.76	0.405	0.00
	11:00 PM	1.54	7.37	0.338	0.00

MIN	1.19	6.26	0.202	MIN	0.00
MAX	1.79	8.19	0.442	MAX	0.00
AVE	1.54	7.23	0.339	TOTAL	0.00

	Time	Head inches	Velocity fps	Flow MGD	Precip. inches
12/25/2022	12:00 AM	1.44	7.02	0.306	0.00
	1:00 AM	1.45	6.93	0.307	0.00
	2:00 AM	1.25	6.21	0.220	0.00
	3:00 AM	1.28	6.37	0.252	0.00
	4:00 AM	1.27	6.51	0.244	0.00
	5:00 AM	1.47	7.24	0.350	0.00
	6:00 AM	1.30	6.73	0.265	0.00
	7:00 AM	1.21	6.27	0.205	0.00
	8:00 AM	1.49	7.12	0.330	0.00
	9:00 AM	1.54	7.39	0.352	0.00
	10:00 AM	1.64	7.79	0.398	0.00
	11:00 AM	1.51	7.40	0.324	0.00
	12:00 PM	1.59	7.95	0.382	0.00
	1:00 PM	1.59	7.55	0.375	0.00
	2:00 PM	1.69	7.86	0.429	0.00
	3:00 PM	1.52	7.39	0.338	0.00
	4:00 PM	1.42	6.81	0.286	0.00
	5:00 PM	1.46	6.97	0.304	0.00
	6:00 PM	1.54	7.35	0.366	0.00
	7:00 PM	1.33	6.40	0.241	0.00
	8:00 PM	1.55	7.30	0.361	0.00
	9:00 PM	1.41	6.89	0.288	0.00
	10:00 PM	1.42	6.93	0.289	0.00
	11:00 PM	1.51	6.80	0.324	0.00

MIN	1.21	6.21	0.205	MIN	0.00
MAX	1.69	7.95	0.429	MAX	0.00
AVE	1.45	7.05	0.314	TOTAL	0.00

12/26/2022	12:00 AM	1.23	5.93	0.207	0.00
	1:00 AM	1.26	6.35	0.254	0.00
	2:00 AM	1.36	6.67	0.293	0.00
	3:00 AM	1.30	6.38	0.261	0.00
	4:00 AM	1.10	5.64	0.170	0.00
	5:00 AM	1.11	5.75	0.178	0.00
	6:00 AM	1.40	6.49	0.290	0.00
	7:00 AM	1.48	7.00	0.341	0.00
	8:00 AM	1.40	6.80	0.283	0.00
	9:00 AM	1.42	6.95	0.288	0.00
	10:00 AM	1.48	7.31	0.319	0.00
	11:00 AM	1.68	7.83	0.424	0.00
	12:00 PM	1.46	7.12	0.305	0.00
	1:00 PM	1.58	7.38	0.359	0.00
	2:00 PM	1.39	6.71	0.274	0.00
	3:00 PM	1.72	7.42	0.434	0.00
	4:00 PM	1.62	7.37	0.379	0.00
	5:00 PM	1.43	6.86	0.295	0.00
	6:00 PM	1.46	7.03	0.298	0.00
	7:00 PM	1.38	6.86	0.272	0.00
	8:00 PM	1.54	7.19	0.339	0.00
	9:00 PM	1.47	7.01	0.310	0.00
	10:00 PM	1.44	6.95	0.291	0.00
	11:00 PM	1.31	6.52	0.241	0.00

MIN	1.10	5.64	0.170	MIN	0.00
MAX	1.72	7.83	0.434	MAX	0.00
AVE	1.42	6.81	0.296	TOTAL	0.00

	Time	Head inches	Velocity fps	Flow MGD	Precip. inches
12/27/2022	12:00 AM	1.41	6.63	0.285	0.00
	1:00 AM	1.17	5.48	0.180	0.00
	2:00 AM	1.43	6.47	0.303	0.00
	3:00 AM	1.29	6.01	0.238	0.00
	4:00 AM	1.18	5.41	0.183	0.00
	5:00 AM	1.23	5.66	0.198	0.00
	6:00 AM	1.52	6.84	0.335	0.00
	7:00 AM	1.51	6.98	0.329	0.00
	8:00 AM	1.46	6.38	0.276	0.00
	9:00 AM	1.57	7.03	0.347	0.00
	10:00 AM	1.67	7.22	0.376	0.00
	11:00 AM	1.69	7.16	0.396	0.00
	12:00 PM	1.63	7.16	0.382	0.00
	1:00 PM	1.44	6.89	0.295	0.00
	2:00 PM	1.49	7.11	0.337	0.00
	3:00 PM	1.52	7.33	0.350	0.00
	4:00 PM	1.38	6.79	0.276	0.00
	5:00 PM	1.51	7.31	0.327	0.00
	6:00 PM	1.56	7.36	0.350	0.00
	7:00 PM	1.40	6.93	0.286	0.00
	8:00 PM	1.36	6.89	0.269	0.00
	9:00 PM	1.49	7.09	0.326	0.00
	10:00 PM	1.30	6.51	0.239	0.00
	11:00 PM	1.35	6.66	0.276	0.00

MIN	1.17	5.41	0.180	MIN	0.00
MAX	1.69	7.36	0.396	MAX	0.00
AVE	1.44	6.72	0.298	TOTAL	0.00

12/28/2022	12:00 AM	1.32	6.58	0.286	0.00
	1:00 AM	1.00	5.73	0.156	0.00
	2:00 AM	1.07	5.76	0.187	0.00
	3:00 AM	1.26	6.71	0.250	0.00
	4:00 AM	1.01	5.80	0.156	0.00
	5:00 AM	1.38	6.79	0.306	0.00
	6:00 AM	1.34	6.62	0.251	0.00
	7:00 AM	1.47	6.90	0.302	0.00
	8:00 AM	1.39	6.91	0.293	0.00
	9:00 AM	1.54	7.36	0.346	0.00
	10:00 AM	1.55	7.29	0.349	0.00
	11:00 AM	1.60	7.49	0.381	0.00
	12:00 PM	1.46	7.23	0.307	0.00
	1:00 PM	1.62	7.46	0.390	0.00
	2:00 PM	2.16	7.74	0.619	0.00
	3:00 PM	2.11	7.63	0.596	0.00
	4:00 PM	1.93	7.22	0.476	0.00
	5:00 PM	1.92	7.13	0.485	0.00
	6:00 PM	1.89	7.08	0.448	0.00
	7:00 PM	2.05	7.51	0.539	0.00
	8:00 PM	1.98	7.51	0.520	0.00
	9:00 PM	1.94	7.16	0.492	0.00
	10:00 PM	1.98	7.27	0.512	0.00
	11:00 PM	1.92	7.15	0.495	0.00

MIN	1.00	5.73	0.156	MIN	0.00
MAX	2.16	7.74	0.619	MAX	0.00
AVE	1.62	7.00	0.381	TOTAL	0.00

	Time	Head inches	Velocity fps	Flow MGD	Precip. inches
12/29/2022	12:00 AM	1.57	6.30	0.306	0.00
	1:00 AM	1.64	6.63	0.372	0.00
	2:00 AM	1.36	5.95	0.251	0.00
	3:00 AM	1.56	6.26	0.356	0.00
	4:00 AM	1.72	6.63	0.386	0.00
	5:00 AM	1.78	6.82	0.437	0.00
	6:00 AM	1.60	6.43	0.327	0.00
	7:00 AM	1.76	6.78	0.381	0.00
	8:00 AM	1.87	7.07	0.471	0.00
	9:00 AM	1.87	7.12	0.466	0.00
	10:00 AM	1.77	7.19	0.424	0.00
	11:00 AM	1.91	7.42	0.510	0.00
	12:00 PM	1.86	6.96	0.435	0.00
	1:00 PM	1.72	6.75	0.399	0.00
	2:00 PM	1.90	6.81	0.453	0.00
	3:00 PM	2.05	7.03	0.514	0.00
	4:00 PM	2.11	7.19	0.533	0.00
	5:00 PM	1.91	6.71	0.435	0.00
	6:00 PM	2.19	7.17	0.611	0.00
	7:00 PM	2.50	7.62	0.736	0.00
	8:00 PM	2.07	7.03	0.514	0.00
	9:00 PM	1.90	6.78	0.462	0.00
	10:00 PM	2.03	7.08	0.533	0.00
	11:00 PM	1.82	6.66	0.423	0.00

MIN	1.36	5.95	0.251	MIN	0.00
MAX	2.50	7.62	0.736	MAX	0.00
AVE	1.85	6.85	0.447	TOTAL	0.00

12/30/2022	12:00 AM	1.82	6.75	0.469	0.00
	1:00 AM	1.68	6.65	0.404	0.00
	2:00 AM	1.43	6.11	0.288	0.00
	3:00 AM	1.17	5.51	0.199	0.00
	4:00 AM	1.26	5.89	0.232	0.00
	5:00 AM	1.68	6.86	0.415	0.00
	6:00 AM	1.57	6.63	0.340	0.00
	7:00 AM	1.83	7.29	0.477	0.00
	8:00 AM	1.78	7.07	0.437	0.00
	9:00 AM	1.90	7.37	0.496	0.00
	10:00 AM	1.68	6.95	0.360	0.00
	11:00 AM	1.78	7.03	0.405	0.00
	12:00 PM	1.87	7.31	0.465	0.00
	1:00 PM	1.77	7.32	0.436	0.00
	2:00 PM	1.71	7.15	0.404	0.00
	3:00 PM	1.51	6.71	0.323	0.00
	4:00 PM	1.75	7.62	0.441	0.00
	5:00 PM	1.58	7.08	0.331	0.00
	6:00 PM	1.49	6.82	0.301	0.00
	7:00 PM	1.48	6.95	0.311	0.00
	8:00 PM	1.50	7.09	0.321	0.00
	9:00 PM	1.49	6.97	0.306	0.00
	10:00 PM	1.43	6.72	0.278	0.00
	11:00 PM	1.38	6.78	0.273	0.00

MIN	1.17	5.51	0.199	MIN	0.00
MAX	1.90	7.62	0.496	MAX	0.00
AVE	1.61	6.86	0.363	TOTAL	0.00

	Time	Head inches	Velocity fps	Flow MGD	Precip. inches
12/31/2022	12:00 AM	1.32	6.62	0.260	0.00
	1:00 AM	1.28	6.19	0.231	0.00
	2:00 AM	2.11	6.70	0.553	0.00
	3:00 AM	2.37	6.34	0.617	0.00
	4:00 AM	1.96	5.90	0.420	0.00
	5:00 AM	2.36	6.47	0.644	0.00
	6:00 AM	2.43	6.49	0.655	0.00
	7:00 AM	2.64	6.75	0.784	0.00
	8:00 AM	2.62	7.11	0.752	0.00
	9:00 AM	2.83	7.24	0.922	0.02
	10:00 AM	3.43	7.97	1.257	0.01
	11:00 AM	2.58	7.96	0.796	0.01
	12:00 PM	2.65	8.09	0.852	0.00
	1:00 PM	2.23	7.59	0.623	0.00
	2:00 PM	1.92	7.56	0.522	0.01
	3:00 PM	2.39	8.15	0.716	0.01
	4:00 PM	2.53	7.91	0.732	0.01
	5:00 PM	2.44	8.09	0.712	0.00
	6:00 PM	2.11	7.37	0.545	0.00
	7:00 PM	2.57	7.81	0.774	0.05
	8:00 PM	2.62	7.88	0.776	0.00
	9:00 PM	2.51	7.84	0.768	0.00
	10:00 PM	2.12	7.18	0.577	0.00
	11:00 PM	2.16	7.15	0.585	0.00

MIN	1.28	5.90	0.231	MIN	0.00
MAX	3.43	8.15	1.257	MAX	0.05
AVE	2.34	7.26	0.670	TOTAL	0.12

01/01/2023	12:00 AM	2.17	7.14	0.617	0.00
	1:00 AM	2.05	7.01	0.553	0.00
	2:00 AM	2.06	6.96	0.550	0.00
	3:00 AM	1.97	6.93	0.525	0.00
	4:00 AM	1.92	6.77	0.507	0.00
	5:00 AM	1.77	6.56	0.424	0.00
	6:00 AM	1.70	6.57	0.395	0.00
	7:00 AM	2.00	7.13	0.568	0.00
	8:00 AM	2.00	7.28	0.557	0.00
	9:00 AM	1.98	7.18	0.518	0.00
	10:00 AM	2.08	7.57	0.571	0.00
	11:00 AM	2.28	8.03	0.668	0.00
	12:00 PM	1.93	7.41	0.487	0.00
	1:00 PM	1.89	7.21	0.442	0.00
	2:00 PM	2.24	7.93	0.646	0.00
	3:00 PM	2.00	7.62	0.525	0.00
	4:00 PM	1.86	7.28	0.454	0.00
	5:00 PM	1.67	7.00	0.376	0.00
	6:00 PM	1.72	7.11	0.403	0.00
	7:00 PM	1.86	7.43	0.458	0.00
	8:00 PM	1.86	7.55	0.469	0.00
	9:00 PM	1.56	6.80	0.337	0.00
	10:00 PM	1.60	6.97	0.372	0.00
	11:00 PM	1.43	6.50	0.284	0.00

MIN	1.43	6.50	0.284	MIN	0.00
MAX	2.28	8.03	0.668	MAX	0.00
AVE	1.90	7.16	0.488	TOTAL	0.00

Time	Head inches	Velocity fps	Flow MGD	Precip. inches
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01/02/2023	12:00 AM	1.47	6.65	0.306	0.00
	1:00 AM	1.56	6.92	0.370	0.00
	2:00 AM	1.38	6.41	0.276	0.00
	3:00 AM	1.22	5.93	0.214	0.00
	4:00 AM	1.35	6.37	0.282	0.00
	5:00 AM	1.41	6.48	0.288	0.00
	6:00 AM	1.48	6.66	0.319	0.00
	7:00 AM	1.54	6.93	0.380	0.00
	8:00 AM	1.57	6.48	0.314	0.00
	9:00 AM	1.88	7.52	0.478	0.03
	10:00 AM	2.33	8.46	0.700	0.00
	11:00 AM	2.09	7.70	0.551	0.01
	12:00 PM	2.39	7.31	0.600	0.00
	1:00 PM	2.57	6.89	0.619	0.00
	2:00 PM	2.39	7.11	0.570	0.00
	3:00 PM	2.39	7.33	0.602	0.00
	4:00 PM	2.45	6.79	0.573	0.00
	5:00 PM	2.50	7.31	0.634	0.00
	6:00 PM	2.78	7.36	0.770	0.00
	7:00 PM	2.75	6.93	0.697	0.00
	8:00 PM	2.61	6.89	0.629	0.00
	9:00 PM	2.58	7.09	0.655	0.00
	10:00 PM	2.66	6.51	0.624	0.00
	11:00 PM	2.88	6.66	0.712	0.00

MIN	1.22	5.93	0.214	MIN	0.00
MAX	2.88	8.46	0.770	MAX	0.03
AVE	2.09	6.94	0.507	TOTAL	0.04

01/03/2023	12:00 AM	2.50	7.81	0.682	0.00
	1:00 AM	2.41	7.75	0.667	0.00
	2:00 AM	2.09	7.44	0.516	0.00
	3:00 AM	2.03	7.30	0.494	0.00
	4:00 AM	1.60	7.45	0.365	0.03
	5:00 AM	1.49	7.95	0.333	0.13
	6:00 AM	1.31	7.93	0.312	0.20
	7:00 AM	1.38	7.79	0.307	0.11
	8:00 AM	1.55	7.63	0.346	0.05
	9:00 AM	2.64	7.92	0.773	0.09
	10:00 AM	2.77	8.16	0.852	0.07
	11:00 AM	2.80	7.93	0.831	0.04
	12:00 PM	2.29	7.45	0.612	0.08
	1:00 PM	2.41	7.21	0.719	0.04
	2:00 PM	2.17	7.18	0.571	0.00
	3:00 PM	1.94	7.34	0.508	0.00
	4:00 PM	1.63	6.85	0.369	0.00
	5:00 PM	1.49	7.29	0.330	0.00
	6:00 PM	1.27	6.85	0.254	0.01
	7:00 PM	1.42	7.05	0.308	0.05
	8:00 PM	1.26	7.00	0.266	0.00
	9:00 PM	1.33	7.12	0.284	0.00
	10:00 PM	1.32	7.05	0.252	0.00
	11:00 PM	1.32	6.85	0.250	0.00

MIN	1.26	6.85	0.250	MIN	0.00
MAX	2.80	8.16	0.852	MAX	0.20
AVE	1.85	7.43	0.467	TOTAL	0.88

	Time	Head inches	Velocity fps	Flow MGD	Precip. inches
01/04/2023	12:00 AM	1.53	7.43	0.362	0.00
	1:00 AM	1.32	7.12	0.290	0.00
	2:00 AM	1.44	6.66	0.307	0.00
	3:00 AM	1.30	6.67	0.262	0.00
	4:00 AM	1.23	6.34	0.224	0.00
	5:00 AM	1.32	6.41	0.272	0.00
	6:00 AM	1.20	6.25	0.235	0.00
	7:00 AM	0.99	5.23	0.128	0.00
	8:00 AM	1.15	6.37	0.212	0.00
	9:00 AM	1.23	6.44	0.251	0.00
	10:00 AM	1.29	6.72	0.266	0.00
	11:00 AM	1.36	7.06	0.319	0.00
	12:00 PM	1.69	7.66	0.430	0.00
	1:00 PM	1.90	8.24	0.496	0.00
	2:00 PM	1.65	7.79	0.397	0.00
	3:00 PM	1.69	7.61	0.401	0.00
	4:00 PM	1.68	7.76	0.402	0.00
	5:00 PM	1.62	7.76	0.379	0.00
	6:00 PM	1.66	7.71	0.400	0.00
	7:00 PM	1.59	7.23	0.339	0.00
	8:00 PM	1.73	7.54	0.438	0.00
	9:00 PM	1.60	8.24	0.397	0.00
	10:00 PM	1.39	7.83	0.314	0.00
	11:00 PM	1.27	8.00	0.273	0.00

MIN	0.99	5.23	0.128	MIN	0.00
MAX	1.90	8.24	0.496	MAX	0.00
AVE	1.45	7.17	0.325	TOTAL	0.00

01/05/2023	12:00 AM	2.21	7.81	0.607	0.00
	1:00 AM	2.12	7.74	0.576	0.00
	2:00 AM	2.02	7.45	0.513	0.00
	3:00 AM	2.12	7.32	0.525	0.00
	4:00 AM	2.15	7.38	0.543	0.00
	5:00 AM	2.26	8.04	0.648	0.00
	6:00 AM	2.38	7.95	0.690	0.00
	7:00 AM	2.23	7.74	0.629	0.00
	8:00 AM	2.27	7.65	0.613	0.00
	9:00 AM	2.29	7.97	0.657	0.00
	10:00 AM	2.38	8.11	0.679	0.00
	11:00 AM	2.40	7.86	0.651	0.00
	12:00 PM	1.95	7.61	0.489	0.00
	1:00 PM	2.02	7.12	0.562	0.00
	2:00 PM	1.86	7.10	0.469	0.00
	3:00 PM	2.00	7.36	0.539	0.00
	4:00 PM	1.50	6.91	0.330	0.00
	5:00 PM	1.44	7.24	0.326	0.00
	6:00 PM	1.32	7.03	0.287	0.00
	7:00 PM	1.36	6.91	0.302	0.00
	8:00 PM	1.35	6.98	0.273	0.00
	9:00 PM	1.31	7.10	0.283	0.00
	10:00 PM	1.30	7.10	0.253	0.00
	11:00 PM	1.38	6.94	0.274	0.00

MIN	1.30	6.91	0.253	MIN	0.00
MAX	2.40	8.11	0.690	MAX	0.00
AVE	1.90	7.43	0.488	TOTAL	0.00

	Time	Head inches	Velocity fps	Flow MGD	Precip. inches
01/06/2023	12:00 AM	0.88	7.20	0.172	0.01
	1:00 AM	1.23	7.34	0.269	0.02
	2:00 AM	1.89	7.81	0.467	0.01
	3:00 AM	1.88	8.26	0.485	0.00
	4:00 AM	1.90	7.77	0.464	0.00
	5:00 AM	1.76	7.91	0.442	0.00
	6:00 AM	2.03	8.43	0.569	0.00
	7:00 AM	1.97	8.05	0.513	0.00
	8:00 AM	1.92	7.85	0.476	0.00
	9:00 AM	1.95	7.76	0.482	0.00
	10:00 AM	1.90	8.63	0.514	0.00
	11:00 AM	1.93	8.11	0.499	0.00
	12:00 PM	1.92	8.13	0.507	0.00
	1:00 PM	1.94	8.07	0.511	0.00
	2:00 PM	1.89	7.93	0.468	0.00
	3:00 PM	1.75	7.66	0.413	0.00
	4:00 PM	1.76	7.69	0.420	0.00
	5:00 PM	1.98	8.41	0.529	0.00
	6:00 PM	1.94	8.26	0.506	0.00
	7:00 PM	1.81	7.63	0.427	0.00
	8:00 PM	1.76	7.66	0.426	0.00
	9:00 PM	1.94	8.25	0.519	0.00
	10:00 PM	1.75	7.27	0.387	0.00
	11:00 PM	1.87	7.89	0.462	0.00

MIN	0.88	7.20	0.172	MIN	0.00
MAX	2.03	8.63	0.569	MAX	0.02
AVE	1.81	7.91	0.455	TOTAL	0.04

01/07/2023	12:00 AM	1.64	7.46	0.386	0.00
	1:00 AM	1.74	7.22	0.390	0.00
	2:00 AM	1.59	7.23	0.340	0.00
	3:00 AM	1.65	7.58	0.387	0.00
	4:00 AM	1.70	7.50	0.411	0.00
	5:00 AM	1.68	7.27	0.386	0.00
	6:00 AM	1.74	7.85	0.433	0.00
	7:00 AM	1.78	7.74	0.449	0.00
	8:00 AM	1.58	7.11	0.333	0.00
	9:00 AM	1.79	7.87	0.458	0.00
	10:00 AM	1.94	8.25	0.512	0.00
	11:00 AM	1.84	8.06	0.475	0.00
	12:00 PM	1.82	7.64	0.426	0.00
	1:00 PM	1.82	7.87	0.440	0.00
	2:00 PM	1.76	7.50	0.398	0.00
	3:00 PM	1.78	7.44	0.409	0.00
	4:00 PM	1.62	7.47	0.346	0.00
	5:00 PM	1.60	7.30	0.353	0.00
	6:00 PM	1.75	7.79	0.418	0.00
	7:00 PM	1.70	7.52	0.395	0.00
	8:00 PM	1.71	7.41	0.397	0.00
	9:00 PM	1.56	7.25	0.343	0.00
	10:00 PM	1.58	7.06	0.322	0.00
	11:00 PM	1.52	7.24	0.329	0.00

MIN	1.52	7.06	0.322	MIN	0.00
MAX	1.94	8.25	0.512	MAX	0.00
AVE	1.70	7.53	0.397	TOTAL	0.00

	Time	Head inches	Velocity fps	Flow MGD	Precip. inches
01/08/2023	12:00 AM	1.89	8.21	0.488	0.00
	1:00 AM	1.80	7.90	0.451	0.00
	2:00 AM	1.93	7.74	0.476	0.00
	3:00 AM	1.87	8.35	0.494	0.00
	4:00 AM	1.82	7.60	0.433	0.00
	5:00 AM	1.86	8.08	0.476	0.00
	6:00 AM	2.04	8.36	0.581	0.00
	7:00 AM	1.95	8.10	0.510	0.00
	8:00 AM	1.90	7.83	0.486	0.00
	9:00 AM	1.89	7.70	0.456	0.00
	10:00 AM	1.97	8.56	0.552	0.00
	11:00 AM	1.91	8.22	0.507	0.00
	12:00 PM	1.87	8.07	0.470	0.00
	1:00 PM	1.97	8.21	0.524	0.00
	2:00 PM	1.87	7.83	0.460	0.00
	3:00 PM	1.76	7.53	0.407	0.00
	4:00 PM	1.83	7.96	0.444	0.00
	5:00 PM	1.91	8.28	0.504	0.00
	6:00 PM	1.93	8.19	0.510	0.00
	7:00 PM	1.82	7.69	0.432	0.00
	8:00 PM	1.77	7.74	0.427	0.00
	9:00 PM	1.97	8.15	0.522	0.00
	10:00 PM	1.76	7.33	0.389	0.02
	11:00 PM	1.83	7.84	0.447	0.00

MIN	1.76	7.33	0.389	MIN	0.00
MAX	2.04	8.56	0.581	MAX	0.02
AVE	1.88	7.98	0.477	TOTAL	0.03

01/09/2023	12:00 AM	1.69	7.53	0.391	0.00
	1:00 AM	1.67	7.14	0.368	0.00
	2:00 AM	1.61	7.16	0.344	0.00
	3:00 AM	1.67	7.70	0.408	0.00
	4:00 AM	1.72	7.53	0.415	0.00
	5:00 AM	1.65	7.30	0.389	0.00
	6:00 AM	1.75	7.85	0.445	0.00
	7:00 AM	1.76	7.75	0.448	0.00
	8:00 AM	1.60	7.04	0.336	0.00
	9:00 AM	1.78	7.93	0.450	0.00
	10:00 AM	1.96	8.16	0.524	0.00
	11:00 AM	1.90	8.18	0.489	0.00
	12:00 PM	1.78	7.61	0.416	0.00
	1:00 PM	1.83	7.86	0.445	0.00
	2:00 PM	1.70	7.42	0.377	0.00
	3:00 PM	1.75	7.51	0.398	0.00
	4:00 PM	1.60	7.35	0.345	0.00
	5:00 PM	1.69	7.33	0.370	0.00
	6:00 PM	1.72	7.79	0.404	0.00
	7:00 PM	1.76	7.58	0.409	0.00
	8:00 PM	1.67	7.47	0.372	0.00
	9:00 PM	1.58	7.26	0.339	0.00
	10:00 PM	1.51	6.93	0.308	0.00
	11:00 PM	1.58	7.30	0.342	0.00

MIN	1.51	6.93	0.308	MIN	0.00
MAX	1.96	8.18	0.524	MAX	0.00
AVE	1.70	7.53	0.397	TOTAL	0.00

	Time	Head inches	Velocity fps	Flow MGD	Precip. inches
01/10/2023	12:00 AM	1.63	6.71	0.348	0.00
	1:00 AM	1.54	6.41	0.336	0.00
	2:00 AM	1.60	6.50	0.353	0.00
	3:00 AM	1.60	6.45	0.345	0.00
	4:00 AM	1.67	6.55	0.355	0.00
	5:00 AM	1.66	6.66	0.354	0.00
	6:00 AM	1.97	7.13	0.489	0.00
	7:00 AM	1.76	6.93	0.375	0.00
	8:00 AM	1.76	6.89	0.396	0.00
	9:00 AM	2.13	7.49	0.572	0.00
	10:00 AM	1.80	6.97	0.396	0.00
	11:00 AM	1.91	7.05	0.459	0.00
	12:00 PM	2.09	7.35	0.572	0.00
	1:00 PM	2.00	7.30	0.526	0.00
	2:00 PM	1.82	6.80	0.414	0.00
	3:00 PM	1.78	6.66	0.377	0.00
	4:00 PM	1.78	6.83	0.382	0.00
	5:00 PM	1.66	6.81	0.357	0.00
	6:00 PM	2.01	7.40	0.503	0.00
	7:00 PM	1.81	7.15	0.410	0.00
	8:00 PM	1.73	6.85	0.381	0.00
	9:00 PM	1.84	6.91	0.393	0.00
	10:00 PM	1.84	6.98	0.420	0.00
	11:00 PM	1.43	6.22	0.250	0.00

MIN	1.43	6.22	0.250	MIN	0.00
MAX	2.13	7.49	0.572	MAX	0.00
AVE	1.78	6.87	0.407	TOTAL	0.00

01/11/2023	12:00 AM	1.56	6.51	0.336	0.00
	1:00 AM	1.65	6.55	0.344	0.00
	2:00 AM	1.87	7.12	0.485	0.00
	3:00 AM	1.38	5.78	0.228	0.00
	4:00 AM	1.47	6.04	0.263	0.00
	5:00 AM	1.99	7.20	0.530	0.00
	6:00 AM	2.02	7.15	0.546	0.00
	7:00 AM	1.91	6.79	0.439	0.00
	8:00 AM	1.91	7.31	0.472	0.00
	9:00 AM	1.86	6.94	0.429	0.00
	10:00 AM	1.54	6.94	0.317	0.00
	11:00 AM	1.69	6.89	0.365	0.00
	12:00 PM	1.64	6.85	0.331	0.00
	1:00 PM	1.61	6.49	0.310	0.00
	2:00 PM	1.65	6.61	0.317	0.00
	3:00 PM	1.73	6.60	0.343	0.02
	4:00 PM	1.73	7.05	0.387	0.00
	5:00 PM	1.67	7.25	0.365	0.00
	6:00 PM	1.85	7.11	0.404	0.00
	7:00 PM	1.72	7.63	0.408	0.00
	8:00 PM	1.81	6.88	0.388	0.00
	9:00 PM	1.59	6.84	0.337	0.00
	10:00 PM	1.75	6.53	0.343	0.03
	11:00 PM	1.83	7.36	0.410	0.00

MIN	1.38	5.78	0.228	MIN	0.00
MAX	2.02	7.63	0.546	MAX	0.03
AVE	1.73	6.85	0.379	TOTAL	0.05

	Time	Head inches	Velocity fps	Flow MGD	Precip. inches
01/12/2023	12:00 AM	1.63	6.61	0.326	0.00
	1:00 AM	1.61	6.68	0.308	0.00
	2:00 AM	1.66	5.80	0.290	0.00
	3:00 AM	1.70	6.39	0.330	0.00
	4:00 AM	1.81	6.67	0.403	0.00
	5:00 AM	1.58	6.06	0.288	0.00
	6:00 AM	1.77	6.56	0.375	0.00
	7:00 AM	1.78	6.87	0.368	0.00
	8:00 AM	1.78	7.12	0.388	0.00
	9:00 AM	1.89	7.23	0.418	0.00
	10:00 AM	1.71	6.92	0.353	0.00
	11:00 AM	1.84	7.41	0.438	0.08
	12:00 PM	1.99	9.95	0.631	0.20
	1:00 PM	1.87	9.57	0.561	0.08
	2:00 PM	2.14	9.87	0.694	0.09
	3:00 PM	2.23	9.71	0.726	0.06
	4:00 PM	2.19	9.71	0.710	0.13
	5:00 PM	2.16	9.57	0.687	0.07
	6:00 PM	2.16	9.41	0.675	0.02
	7:00 PM	2.26	9.56	0.719	0.02
	8:00 PM	2.21	9.42	0.688	0.00
	9:00 PM	2.18	9.50	0.690	0.02
	10:00 PM	2.08	9.67	0.663	0.01
	11:00 PM	2.16	9.71	0.696	0.01

MIN	1.58	5.80	0.288	MIN	0.00
MAX	2.26	9.95	0.726	MAX	0.20
AVE	1.93	8.16	0.518	TOTAL	0.78

01/13/2023	12:00 AM	2.37	10.29	0.837	0.01
	1:00 AM	2.09	9.63	0.666	0.00
	2:00 AM	2.31	10.06	0.803	0.00
	3:00 AM	2.18	9.59	0.701	0.00
	4:00 AM	2.28	10.05	0.805	0.00
	5:00 AM	2.15	9.84	0.698	0.00
	6:00 AM	2.27	9.67	0.749	0.00
	7:00 AM	2.05	9.46	0.636	0.00
	8:00 AM	2.10	9.49	0.650	0.00
	9:00 AM	1.94	9.25	0.564	0.00
	10:00 AM	1.94	8.66	0.531	0.00
	11:00 AM	1.65	7.96	0.389	0.00
	12:00 PM	1.89	8.73	0.506	0.00
	1:00 PM	1.89	8.08	0.475	0.00
	2:00 PM	1.94	8.98	0.550	0.00
	3:00 PM	1.85	8.40	0.480	0.00
	4:00 PM	1.79	8.12	0.445	0.00
	5:00 PM	1.81	8.35	0.460	0.00
	6:00 PM	1.86	8.31	0.501	0.00
	7:00 PM	1.95	8.42	0.523	0.00
	8:00 PM	1.89	8.35	0.493	0.01
	9:00 PM	1.88	8.10	0.480	0.00
	10:00 PM	1.87	8.11	0.473	0.00
	11:00 PM	1.92	8.03	0.482	0.00

MIN	1.65	7.96	0.389	MIN	0.00
MAX	2.37	10.29	0.837	MAX	0.01
AVE	2.00	8.91	0.579	TOTAL	0.02

	Time	Head inches	Velocity fps	Flow MGD	Precip. inches
01/14/2023	12:00 AM	1.87	8.22	0.475	0.00
	1:00 AM	1.86	7.97	0.461	0.00
	2:00 AM	1.86	7.72	0.449	0.00
	3:00 AM	1.97	8.35	0.534	0.00
	4:00 AM	1.84	7.76	0.453	0.00
	5:00 AM	1.78	7.82	0.436	0.00
	6:00 AM	1.97	8.40	0.550	0.00
	7:00 AM	1.99	8.03	0.507	0.00
	8:00 AM	1.94	7.90	0.503	0.00
	9:00 AM	1.89	7.74	0.458	0.00
	10:00 AM	1.97	8.62	0.558	0.00
	11:00 AM	1.94	8.14	0.504	0.00
	12:00 PM	1.84	8.09	0.461	0.00
	1:00 PM	2.00	8.18	0.534	0.00
	2:00 PM	1.88	7.85	0.472	0.00
	3:00 PM	1.78	7.72	0.419	0.00
	4:00 PM	1.83	7.91	0.444	0.00
	5:00 PM	1.87	8.19	0.495	0.00
	6:00 PM	1.96	8.25	0.530	0.00
	7:00 PM	1.76	7.67	0.412	0.00
	8:00 PM	1.84	7.73	0.455	0.00
	9:00 PM	1.94	8.17	0.503	0.00
	10:00 PM	1.78	7.40	0.419	0.00
	11:00 PM	1.76	7.68	0.427	0.00

MIN	1.76	7.40	0.412	MIN	0.00
MAX	2.00	8.62	0.558	MAX	0.00
AVE	1.88	7.98	0.477	TOTAL	0.00

01/15/2023	12:00 AM	1.72	7.52	0.409	0.00
	1:00 AM	1.67	7.22	0.362	0.00
	2:00 AM	1.60	7.14	0.332	0.00
	3:00 AM	1.71	7.72	0.428	0.00
	4:00 AM	1.65	7.37	0.388	0.00
	5:00 AM	1.66	7.41	0.384	0.00
	6:00 AM	1.85	7.88	0.501	0.00
	7:00 AM	1.72	7.70	0.418	0.00
	8:00 AM	1.64	7.19	0.357	0.00
	9:00 AM	1.71	7.77	0.410	0.00
	10:00 AM	1.96	8.16	0.518	0.00
	11:00 AM	1.88	8.18	0.493	0.00
	12:00 PM	1.81	7.63	0.434	0.00
	1:00 PM	1.80	7.87	0.441	0.00
	2:00 PM	1.77	7.47	0.395	0.00
	3:00 PM	1.73	7.43	0.396	0.00
	4:00 PM	1.62	7.35	0.352	0.00
	5:00 PM	1.57	7.33	0.345	0.00
	6:00 PM	1.77	7.83	0.422	0.00
	7:00 PM	1.74	7.60	0.403	0.00
	8:00 PM	1.72	7.43	0.380	0.00
	9:00 PM	1.53	7.14	0.329	0.00
	10:00 PM	1.54	7.05	0.318	0.00
	11:00 PM	1.57	7.26	0.331	0.00

MIN	1.53	7.05	0.318	MIN	0.00
MAX	1.96	8.18	0.518	MAX	0.00
AVE	1.71	7.53	0.398	TOTAL	0.00

	Time	Head inches	Velocity fps	Flow MGD	Precip. inches
01/16/2023	12:00 AM	1.72	7.91	0.442	0.00
	1:00 AM	1.45	6.81	0.277	0.00
	2:00 AM	1.60	7.32	0.355	0.00
	3:00 AM	1.47	6.73	0.277	0.00
	4:00 AM	1.52	7.20	0.322	0.00
	5:00 AM	1.38	7.04	0.279	0.00
	6:00 AM	1.69	7.53	0.385	0.00
	7:00 AM	1.61	7.58	0.386	0.00
	8:00 AM	1.61	7.66	0.364	0.00
	9:00 AM	1.62	7.45	0.365	0.00
	10:00 AM	1.67	7.91	0.411	0.00
	11:00 AM	1.57	7.27	0.335	0.00
	12:00 PM	1.56	7.13	0.341	0.00
	1:00 PM	1.73	7.61	0.404	0.00
	2:00 PM	1.60	6.93	0.339	0.00
	3:00 PM	1.68	7.35	0.375	0.00
	4:00 PM	1.64	7.18	0.344	0.00
	5:00 PM	1.58	7.24	0.330	0.00
	6:00 PM	1.43	7.30	0.293	0.00
	7:00 PM	1.45	7.43	0.313	0.00
	8:00 PM	1.50	7.37	0.322	0.00
	9:00 PM	1.54	7.74	0.357	0.00
	10:00 PM	1.46	7.44	0.315	0.00
	11:00 PM	1.43	7.21	0.291	0.00

MIN	1.38	6.73	0.277	MIN	0.00
MAX	1.73	7.91	0.442	MAX	0.00
AVE	1.56	7.35	0.343	TOTAL	0.00

01/17/2023	12:00 AM	1.36	7.08	0.270	0.01
	1:00 AM	1.42	6.72	0.274	0.05
	2:00 AM	2.01	8.53	0.555	0.05
	3:00 AM	2.50	10.12	0.889	0.08
	4:00 AM	2.47	10.19	0.902	0.03
	5:00 AM	1.94	8.86	0.547	0.02
	6:00 AM	1.86	9.00	0.526	0.00
	7:00 AM	1.89	8.23	0.480	0.01
	8:00 AM	1.79	8.94	0.498	0.00
	9:00 AM	1.93	8.52	0.522	0.00
	10:00 AM	1.82	8.17	0.458	0.00
	11:00 AM	1.89	8.73	0.520	0.00
	12:00 PM	1.75	8.01	0.443	0.00
	1:00 PM	1.76	7.54	0.404	0.00
	2:00 PM	1.71	7.78	0.393	0.00
	3:00 PM	1.71	8.10	0.416	0.00
	4:00 PM	1.65	7.77	0.378	0.00
	5:00 PM	1.61	7.87	0.368	0.00
	6:00 PM	1.73	8.35	0.438	0.00
	7:00 PM	1.72	7.84	0.425	0.00
	8:00 PM	1.80	7.97	0.436	0.00
	9:00 PM	1.59	7.95	0.369	0.00
	10:00 PM	1.70	7.99	0.412	0.00
	11:00 PM	1.70	7.60	0.395	0.00

MIN	1.36	6.72	0.270	MIN	0.00
MAX	2.50	10.19	0.902	MAX	0.08
AVE	1.80	8.24	0.471	TOTAL	0.26

	Time	Head inches	Velocity fps	Flow MGD	Precip. inches
01/18/2023	12:00 AM	1.56	7.79	0.346	0.00
	1:00 AM	1.58	7.18	0.331	0.00
	2:00 AM	1.65	7.02	0.346	0.00
	3:00 AM	1.64	7.03	0.338	0.00
	4:00 AM	1.66	7.68	0.369	0.00
	5:00 AM	1.78	8.02	0.440	0.00
	6:00 AM	1.78	8.11	0.451	0.00
	7:00 AM	1.69	7.64	0.403	0.00
	8:00 AM	1.65	8.12	0.400	0.00
	9:00 AM	1.68	7.78	0.395	0.00
	10:00 AM	1.53	7.53	0.330	0.00
	11:00 AM	1.63	7.37	0.355	0.00
	12:00 PM	1.53	7.39	0.331	0.00
	1:00 PM	1.56	7.45	0.341	0.00
	2:00 PM	1.65	8.19	0.406	0.00
	3:00 PM	1.56	7.41	0.329	0.00
	4:00 PM	1.61	7.38	0.355	0.00
	5:00 PM	1.63	7.63	0.372	0.00
	6:00 PM	1.59	7.53	0.359	0.00
	7:00 PM	1.51	7.49	0.316	0.00
	8:00 PM	1.58	7.45	0.338	0.00
	9:00 PM	1.66	7.46	0.365	0.00
	10:00 PM	1.78	7.70	0.450	0.00
	11:00 PM	1.60	7.39	0.342	0.00

MIN	1.51	7.02	0.316	MIN	0.00
MAX	1.78	8.19	0.451	MAX	0.00
AVE	1.63	7.57	0.367	TOTAL	0.00

01/19/2023	12:00 AM	1.70	7.19	0.364	0.01
	1:00 AM	2.02	8.16	0.560	0.06
	2:00 AM	1.63	7.77	0.360	0.01
	3:00 AM	1.90	7.92	0.488	0.07
	4:00 AM	2.20	9.30	0.685	0.06
	5:00 AM	2.15	10.24	0.722	0.07
	6:00 AM	2.12	10.60	0.742	0.03
	7:00 AM	2.22	9.91	0.730	0.04
	8:00 AM	2.14	9.89	0.696	0.01
	9:00 AM	2.00	9.68	0.623	0.01
	10:00 AM	1.80	9.60	0.552	0.14
	11:00 AM	1.96	9.98	0.623	0.01
	12:00 PM	2.26	9.88	0.766	0.00
	1:00 PM	2.13	9.53	0.662	0.00
	2:00 PM	2.12	9.51	0.663	0.00
	3:00 PM	1.89	9.13	0.535	0.00
	4:00 PM	1.98	9.07	0.569	0.00
	5:00 PM	1.92	9.03	0.546	0.00
	6:00 PM	1.90	8.80	0.525	0.00
	7:00 PM	1.95	8.96	0.573	0.00
	8:00 PM	2.14	9.58	0.681	0.06
	9:00 PM	2.37	9.36	0.763	0.00
	10:00 PM	2.23	8.79	0.670	0.00
	11:00 PM	2.33	9.10	0.741	0.00

MIN	1.63	7.19	0.360	MIN	0.00
MAX	2.37	10.60	0.766	MAX	0.14
AVE	2.04	9.21	0.618	TOTAL	0.57

	Time	Head inches	Velocity fps	Flow MGD	Precip. inches
01/20/2023	12:00 AM	2.15	8.43	0.607	0.00
	1:00 AM	2.19	8.97	0.674	0.00
	2:00 AM	2.22	8.69	0.675	0.00
	3:00 AM	2.44	9.38	0.821	0.00
	4:00 AM	2.23	8.52	0.667	0.00
	5:00 AM	2.31	9.06	0.725	0.00
	6:00 AM	2.23	8.78	0.669	0.00
	7:00 AM	2.29	8.78	0.688	0.00
	8:00 AM	2.08	8.80	0.604	0.00
	9:00 AM	1.98	7.88	0.513	0.00
	10:00 AM	1.93	8.91	0.539	0.00
	11:00 AM	1.93	8.30	0.504	0.00
	12:00 PM	1.94	8.55	0.526	0.00
	1:00 PM	1.85	7.88	0.456	0.00
	2:00 PM	2.09	8.65	0.600	0.00
	3:00 PM	2.11	8.41	0.591	0.00
	4:00 PM	2.14	8.26	0.597	0.00
	5:00 PM	2.16	8.30	0.607	0.00
	6:00 PM	2.11	8.35	0.584	0.00
	7:00 PM	1.97	7.93	0.496	0.00
	8:00 PM	1.84	8.02	0.453	0.00
	9:00 PM	2.06	8.48	0.567	0.00
	10:00 PM	1.99	8.07	0.523	0.00
	11:00 PM	2.09	8.16	0.567	0.00

MIN	1.84	7.88	0.453	MIN	0.00
MAX	2.44	9.38	0.821	MAX	0.00
AVE	2.10	8.48	0.594	TOTAL	0.00

01/21/2023	12:00 AM	2.06	8.29	0.573	0.00
	1:00 AM	1.88	7.50	0.442	0.00
	2:00 AM	1.97	7.56	0.485	0.00
	3:00 AM	2.04	8.28	0.567	0.00
	4:00 AM	1.97	7.73	0.499	0.00
	5:00 AM	1.83	7.16	0.408	0.00
	6:00 AM	1.89	7.86	0.500	0.00
	7:00 AM	2.01	7.87	0.507	0.00
	8:00 AM	2.05	7.92	0.541	0.00
	9:00 AM	1.96	7.95	0.514	0.00
	10:00 AM	2.24	8.93	0.681	0.00
	11:00 AM	2.11	8.04	0.567	0.00
	12:00 PM	2.22	8.54	0.640	0.00
	1:00 PM	2.04	8.10	0.528	0.00
	2:00 PM	1.76	7.77	0.410	0.00
	3:00 PM	1.79	7.60	0.426	0.00
	4:00 PM	1.87	7.63	0.449	0.00
	5:00 PM	1.81	7.41	0.416	0.00
	6:00 PM	1.78	7.50	0.417	0.00
	7:00 PM	1.96	8.24	0.530	0.00
	8:00 PM	1.90	7.42	0.449	0.00
	9:00 PM	1.84	7.56	0.446	0.00
	10:00 PM	1.95	7.90	0.501	0.00
	11:00 PM	1.97	7.91	0.506	0.00

MIN	1.76	7.16	0.408	MIN	0.00
MAX	2.24	8.93	0.681	MAX	0.00
AVE	1.95	7.86	0.500	TOTAL	0.00

APPENDIX D

Alternative Sewage Facilities Analysis

SECTION H SEWAGE FACILITIES PLANNING MODULE COMPONENT 3

**Re: Alternative Sewage Facilities Analysis
Lincoln Place Combined Safety Facility
120 Mifflin Rd, City of Pittsburgh, Allegheny County, Pennsylvania
Langan Project No.: 250129401**

The proposed project involves the development of a +/- 19,250 GSF combined safety facility, located in the Lincoln Place area within the City of Pittsburgh, PA. The development will include associated driveways, sidewalks, and other site appurtenances. The site is located west of the McBride Park and bound to the north by Oakleaf St and Calhoun Plan of Lots (Lots 65, 66, 67, and 68), to the east by parcel number 184-E-149, to the west by parcel number 184-E-150, and to the south by Mifflin Road and Irwindale Plan of Lots (Lots 47, 48, and 49). The project site is part of parcel number 184-E-80.

An existing 12-inch sanitary sewer runs adjacent to Mifflin Road along the southwestern portion of the site LOD. The proposed sanitary facilities for the combined safety facility will include a new 6-inch dedicated sanitary sewer lateral which will outfall into the existing 12-inch public sewer system to the southwest. The proposed 6-inch lateral will connect to the existing sewer via a proposed wye. Flows of 1,500 gallons per day are proposed (4 EDU). A reference for the approximate sewage flow for the proposed development can be found in Appendix C.

Alternative methods of sewage disposal that could be considered include on-site subsurface disposal systems (septic systems) and an individual package wastewater treatment plant. The existing building and the existing neighboring developments in the area are all currently connected to the public sewer system; therefore, an on-site septic system would not be consistent with the neighboring buildings, nor would it be a practical solution to provide adequate service for the site. The nearest discharge point from the site for a stream discharge is Streets Run, approximately 1.13 miles northwest of the site. A package wastewater treatment plant with discharge to the Streets Run is not feasible due to the size and cost of the site.

APPENDIX E

Public Notice

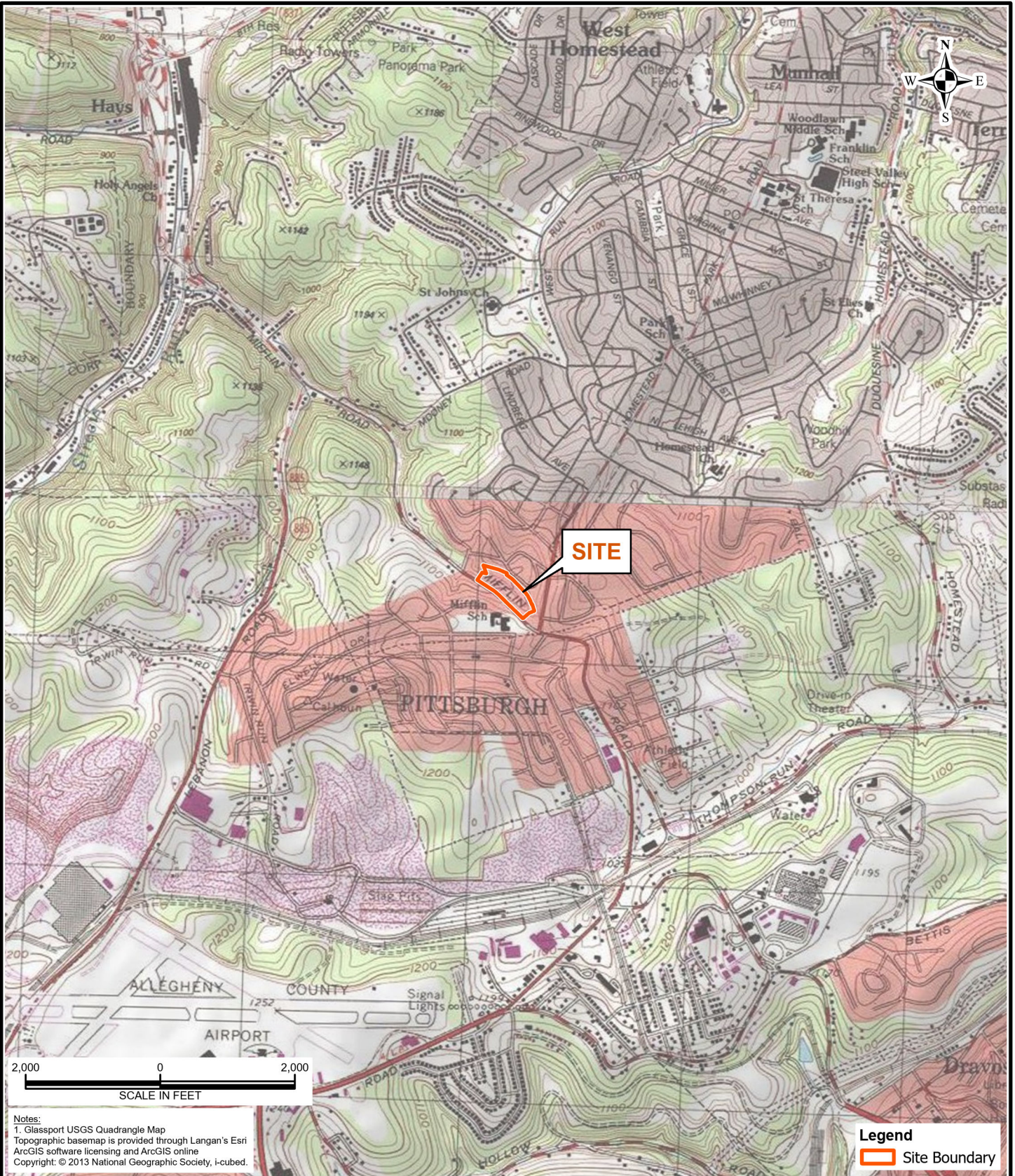
**SECTION P
SEWAGE FACILITIES PLANNING
MODULE COMPONENT 3**

**Re: Public Notice
Lincoln Place Combined Safety Facility
1201 Mifflin Road
City of Pittsburgh, Allegheny County, Pennsylvania
Langan Project No.: 250129401**

A public notification is not required for this project since no items in Section P of Component 3 (Appendix C) were applicable to this project.

APPENDIX F

USGS Map and Plot Plans



LANGAN

Langan Engineering and
 Environmental Services, Inc.
 2400 Ansys Drive, Suite 403
 Canonsburg, PA 15317-9540

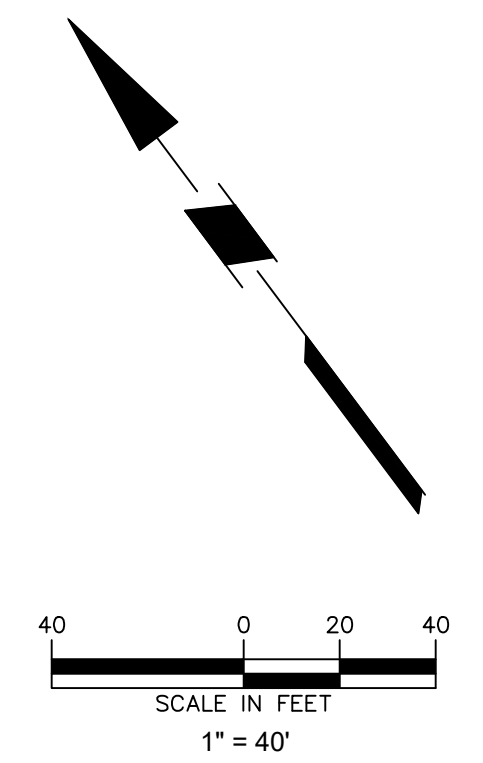
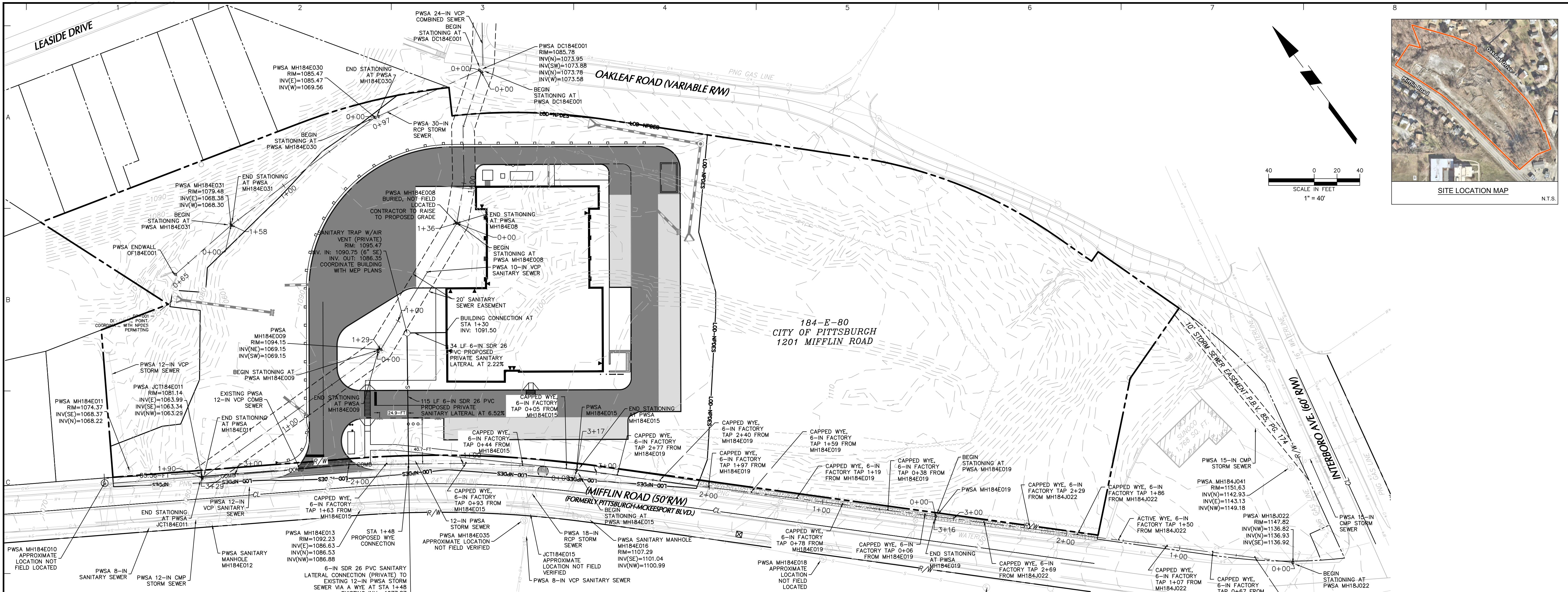
T: 724.514.5100 F: 724.514.5101
 www.langan.com

Project
**LINCOLN PLACE
 COMBINED SAFETY
 FACILITY**
 PITTSBURGH
 ALLEGHENY COUNTY PA

Drawing Title
**SITE
 LOCATION
 MAP**

Project No.
 250129401
 Date
 3/14/2022
 Scale
 1" = 2,000 feet
 Drawn By
 LDB

Figure
1



Project No. 250129401

	LEGEND	
	EXISTING	PROPOSED
ROW BOUNDARY	---	---
SANITARY SEWER	—S—S—	—S—S—
SANITARY MANHOLE	○	○
SANITARY CLEANOUT	●	●
STORM SEWER	—S—S—	—S—S—
STORM MANHOLE/ OUTLET CONTROL STRUCTURE	○	○
INLET	▭	▭
TRENCH DRAIN	▭	▭
UNDERGROUND WATER LINE	—W—W—	—W—W—
UNDERGROUND FIRE LINE	—F—F—	—F—F—
FIRE HYDRANT	⊕	⊕
WATER VALVE	⊕	⊕
GAS LINE	—G—G—	—G—G—
UNDERGROUND TELEPHONE LINE	—T—T—	—T—T—
UNDERGROUND ELECTRIC LINE	—E—E—	—E—E—
OVERHEAD ELECTRIC LINE	—E—E—	—E—E—
ELECTRIC MANHOLE ELECTRIC STRUCTURE	⊕	⊕
UTILITY POLE	⊕	⊕
CAPPED WYE	⊕	⊕
ACTIVE WYE	⊕	⊕

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK
 To be completed by the Applicant and provided on each sheet within the plan set:

(Check all that apply)

- ___ NEW WATER CONNECTION(S)
- NEW SEWER CONNECTION(S)
- ___ REUSE EXISTING WATER CONNECTION(S)
- ___ REUSE EXISTING SEWER CONNECTION(S)
- ___ TERMINATE EXISTING WATER CONNECTION(S)
- ___ TERMINATE EXISTING SEWER CONNECTION(S)
- ___ PRIVATE CONSTRUCTION OF PUBLIC FACILITIES

To be completed by the PWSA:
 (Required for ALL approvals)

REVIEWER, DEPT. OF ENGINEERING AND CONSTRUCTION

SENIOR PROJECT MANAGER, DEPT. OF ENGINEERING AND CONSTRUCTION

DIRECTOR OF OPERATIONS

(Required for "Private Construction of Public Facilities" ONLY)

DIRECTOR, DEPT. OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER _____

TAP C RECORD NUMBER _____

The PWSA approval was based on information provided by others under the assumption that this information was accurate and complete. Please refer to the PWSA Developer's Manual for detailed information on the regulations and procedures for obtaining water and sewer service.

PEAK DAILY SANITARY FLOW DEMANDS
 To be completed by the Applicant and provided once within the plan set, if applicable:

PROJECT FLOW, GPD	1,500
EXISTING FLOW, GPD	0
NET FLOW, GPD	1,500

CALL BEFORE YOU DIG!
 PENNSYLVANIA LAW REQUIRES
 3 WORKING DAYS NOTICE FOR
 CONSTRUCTION PHASE AND 10 WORKING
 DAYS IN DESIGN STAGE - STOP CALL
 Pennsylvania One Call System, Inc.
 8-1-1
 POCSSerial No. 20210812320

Date	Description	No.
Revisions		

LANGAN
 Langan Engineering and
 Environmental Services, Inc.
 2400 Ansys Drive, Suite 403
 Canonsburg, PA 15317
 T: 724.514.5100 F: 724.514.5101 www.langan.com

Project
**LINCOLN PLACE
 COMBINED SAFETY
 FACILITY**
 PITTSBURGH
 ALLEGHENY COUNTY PENNSYLVANIA

Drawing Title
**PWSA SEWER
 TAP-IN PLAN**

Project No. 250129401	Drawing No. GI102
Date 05/01/2023	Sheet 1 of 2
Drawn By AXJ	
Checked By RLM	

APPENDIX G

Cultural Resource Notice

**SECTION G
SEWAGE FACILITIES PLANNING
MODULE COMPONENT 3**

**Re: Cultural Resources Notice (CRN)
Lincoln Place Combined Safety Facility
1201 Mifflin Road
City of Pittsburgh, Allegheny County, Pennsylvania
Langan Project No.: 250129401**

As the project area is less than 10 acres and does not contain any existing historical buildings, a Project Review Form – to initiate consultation for request for review by the State Historic and preservation Office (SHPO), Environmental Review Division – will not be submitted to the Pennsylvania Historical & Museum Commission (PHMC).

APPENDIX H

PNDI

1. PROJECT INFORMATION

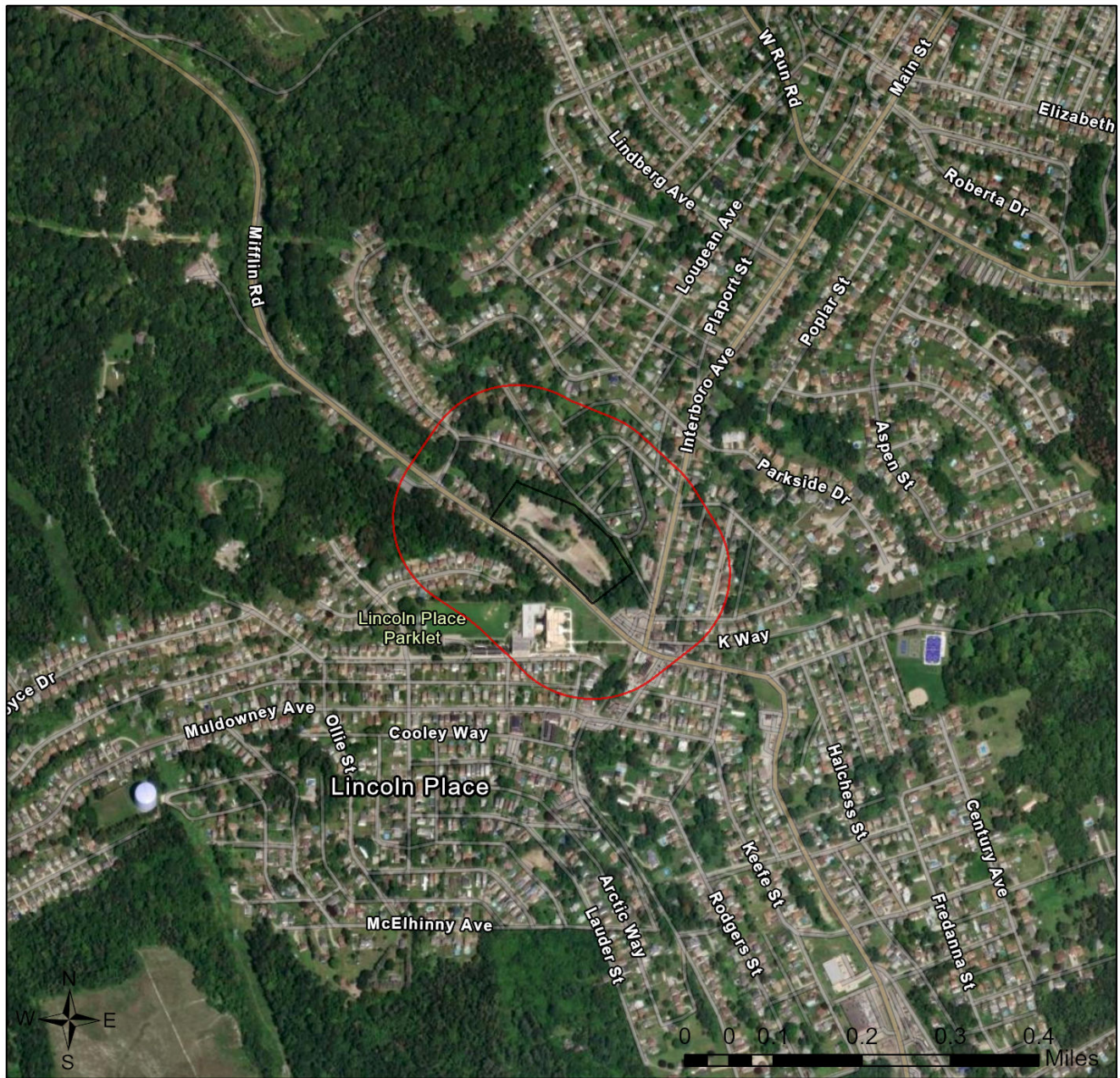
Project Name: **Safety Facility - Lincoln Place**
Date of Review: **4/26/2023 04:20:08 AM**
Project Category: **Development, Other**
Project Area: **5.25 acres**
County(s): **Allegheny**
Township/Municipality(s): **PITTSBURGH**
ZIP Code:
Quadrangle Name(s): **GLASSPORT**
Watersheds HUC 8: **Lower Monongahela**
Watersheds HUC 12: **Streets Run-Monongahela River**
Decimal Degrees: **40.371362, -79.914560**
Degrees Minutes Seconds: **40° 22' 16.9021" N, 79° 54' 52.4147" W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

Safety Facility - Lincoln Place

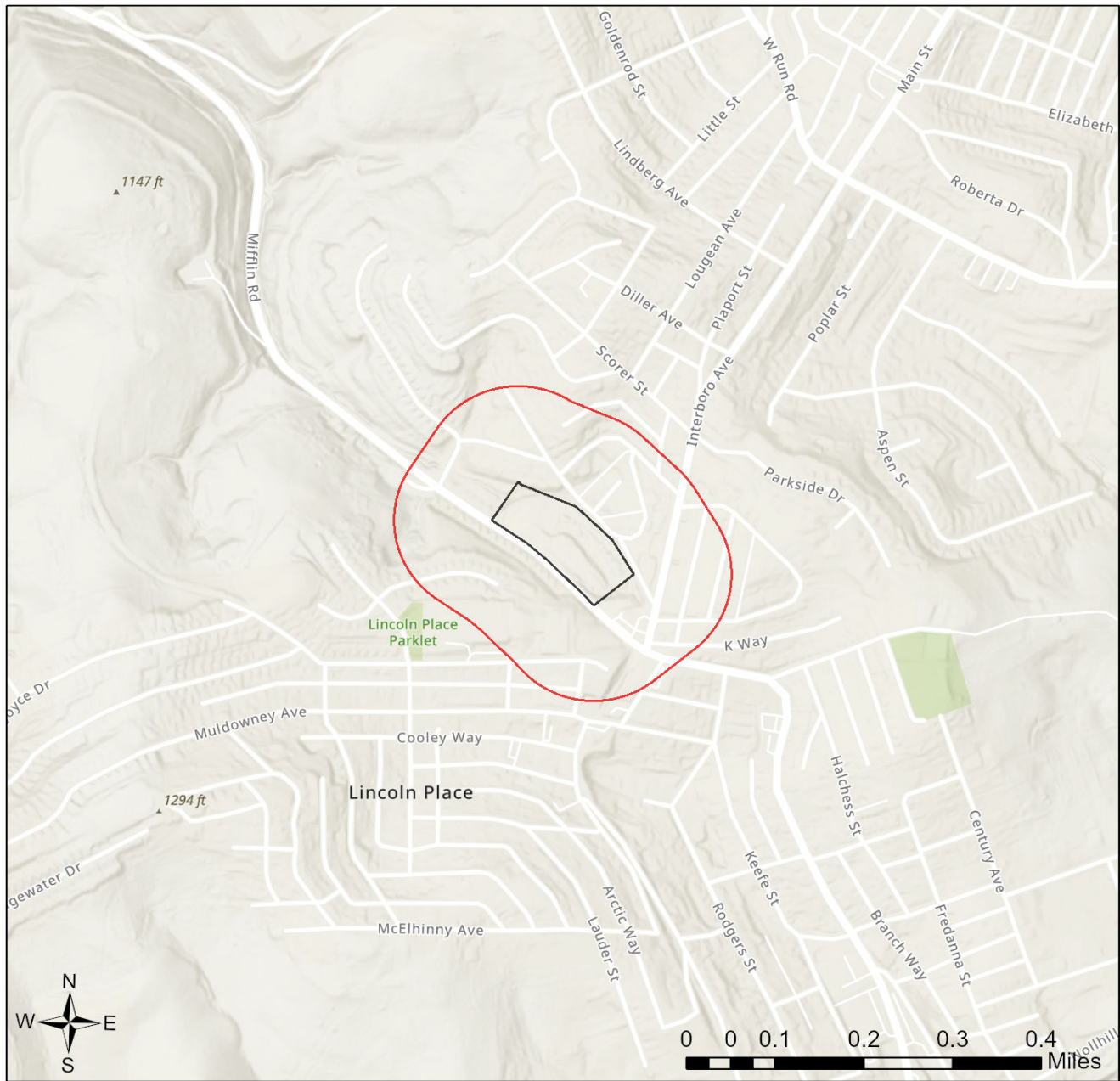




-  Buffered Project Boundary
-  Project Boundary



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

Safety Facility - Lincoln Place



-  Buffered Project Boundary
-  Project Boundary



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

RESPONSE TO QUESTION(S) ASKED

Q1: The proposed project is in the range of the Indiana bat. Describe how the project will affect bat habitat (forests, woodlots and trees) and indicate what measures will be taken in consideration of this. Round acreages up to the nearest acre (e.g., 0.2 acres = 1 acre).

Your answer is: The project will affect 1 to 39 acres of forests, woodlots and trees.

Q2: Is tree removal, tree cutting or forest clearing of 40 acres or more necessary to implement all aspects of this project?

Your answer is: No

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE:

No impacts to **federally** listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.



5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

PA Fish and Boat Commission

Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
Email: IR1_ESPenn@fws.gov
NO Faxes Please

PA Game Commission

Bureau of Wildlife Management
Division of Environmental Review
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Rachel McCune
Company/Business Name: Langan Engineer
Address: 2400 Ansys Drive, Suite 403
City, State, Zip: Canonsburg, PA 15317
Phone: (724) 514-5100 Fax: (724) 514-5100
Email: rmccune@langan.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

Rachel McCune
applicant/project proponent signature

4/26/2023
date

APPENDIX I

Component 4a



DEP Code #: _____

**SEWAGE FACILITIES PLANNING MODULE
 COMPONENT 4A - MUNICIPAL PLANNING AGENCY REVIEW**

Note to Project Sponsor: To expedite the review of your proposal, one copy of your completed planning module package and one copy of this *Planning Agency Review Component* should be sent to the local municipal planning agency for their comments.

SECTION A. PROJECT NAME (See Section A of instructions)

Project Name
Lincoln Place Combined Safety Facility

SECTION B. REVIEW SCHEDULE (See Section B of instructions)

1. Date plan received by municipal planning agency 6/28/2023
2. Date review completed by agency 7/25/2023

SECTION C. AGENCY REVIEW (See Section C of instructions)

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, <i>et seq.</i>)?
<input type="checkbox"/>	<input type="checkbox"/>	2. Is this proposal consistent with the comprehensive plan for land use? If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Is this proposal consistent with the use, development, and protection of water resources? If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Is this proposal consistent with municipal land use planning relative to Prime Agricultural Land Preservation?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. Does this project propose encroachments, obstructions, or dams that will affect wetlands? If yes, describe impacts _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	6. Will any known historical or archaeological resources be impacted by this project? If yes, describe impacts _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. Will any known endangered or threatened species of plant or animal be impacted by this project? If yes, describe impacts _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	8. Is there a municipal zoning ordinance?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	9. Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10. Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Have all applicable zoning approvals been obtained?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Is there a municipal subdivision and land development ordinance?

SECTION C. AGENCY REVIEW (continued)

- | Yes | No | |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 13. Is this proposal consistent with the ordinance?
If no, describe the inconsistencies _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 14. Is this plan consistent with the municipal Official Sewage Facilities Plan?
If no, describe the inconsistencies _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?
If yes, describe _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision? |
| <input type="checkbox"/> | <input type="checkbox"/> | If yes, is the proposed waiver consistent with applicable ordinances?
If no, describe the inconsistencies
_____ |

17. Name, title and signature of planning agency staff member completing this section:
 Name: Kyla Pendergast
 Title: Senior Environmental Planner
 Signature: *Kyla Pendergast*
 Date: 7/25/2023
 Name of Municipal Planning Agency: Department of City Planning
 Address 200 Ross Street, 4th Floor, Pittsburgh, PA 15219
 Telephone Number: 412-255-2676

SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

This component does not limit municipal planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.

The planning agency must complete this component within 60 days.

This component and any additional comments are to be returned to the applicant.

APPENDIX J

Component 4C



DEP Code #: _____

SEWAGE FACILITIES PLANNING MODULE COMPONENT 4C - COUNTY OR JOINT HEALTH DEPARTMENT REVIEW

Note to Project Sponsor: To expedite the review of your proposal, one copy of your completed planning module package and one copy of this *Planning Agency Review Component* should be sent to the county or joint county health department for their comments.

SECTION A. PROJECT NAME (See Section A of instructions)

Project Name

Lincoln Place Combined Safety Facility

SECTION B. REVIEW SCHEDULE (See Section B of instructions)

1. Date plan received by county or joint county health department 6/29/2023

Agency name Allegheny County Health Department (ACHD)

2. Date review completed by agency 7/18/2023

SECTION C. AGENCY REVIEW (See Section C of instructions)

Yes No

1. Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan?
If no, what are the inconsistencies? _____

2. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?
If yes, describe _____

3. Is there any known groundwater degradation in the area of this proposal?
If yes, describe _____

4. The county or joint county health department recommendation concerning this proposed plan is as follows: ACHD recommends approval. Please see attached letter.

5. Name, title and signature of person completing this section:

Name: Gina Caliguri

Title: Environmental Health Administrator II/Compliance Officer

Signature:

Date: 7/18/2023

Name of County Health Department: Allegheny County Health Department

Address: 3901 Penn Avenue, Building #5, Pittsburgh, PA 15224

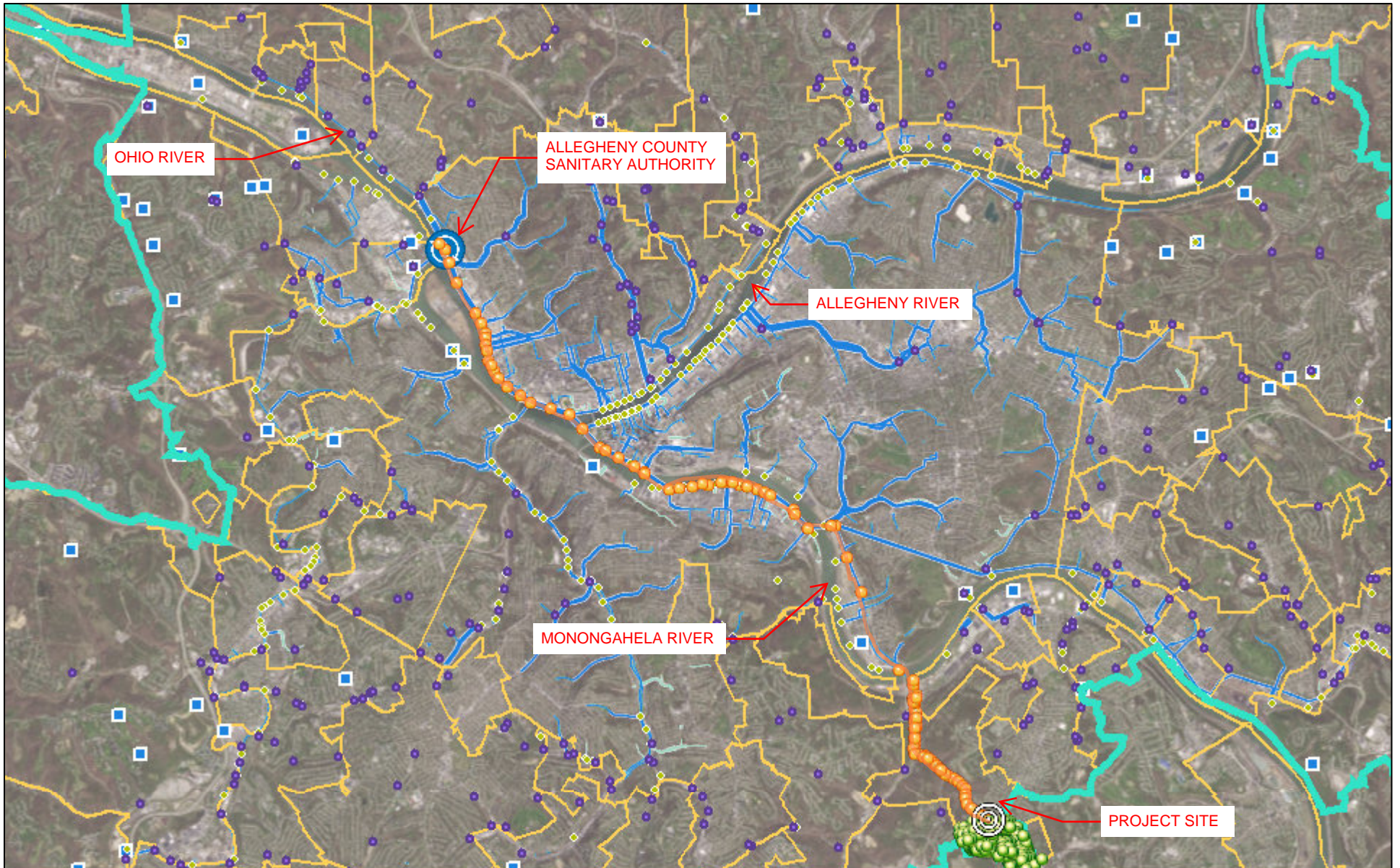
Telephone Number: 412-578-8388

SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

This component does not limit county planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.

The county planning agency must complete this component within 60 days.
This component and any additional comments are to be returned to the applicant.

3RWW Sewer Atlas



5/2/2023, 9:38:40 AM

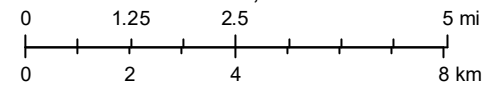
 ALCOSAN Service Area

ALCOSAN Plant

 ALCOSAN Plant

Flow Monitors

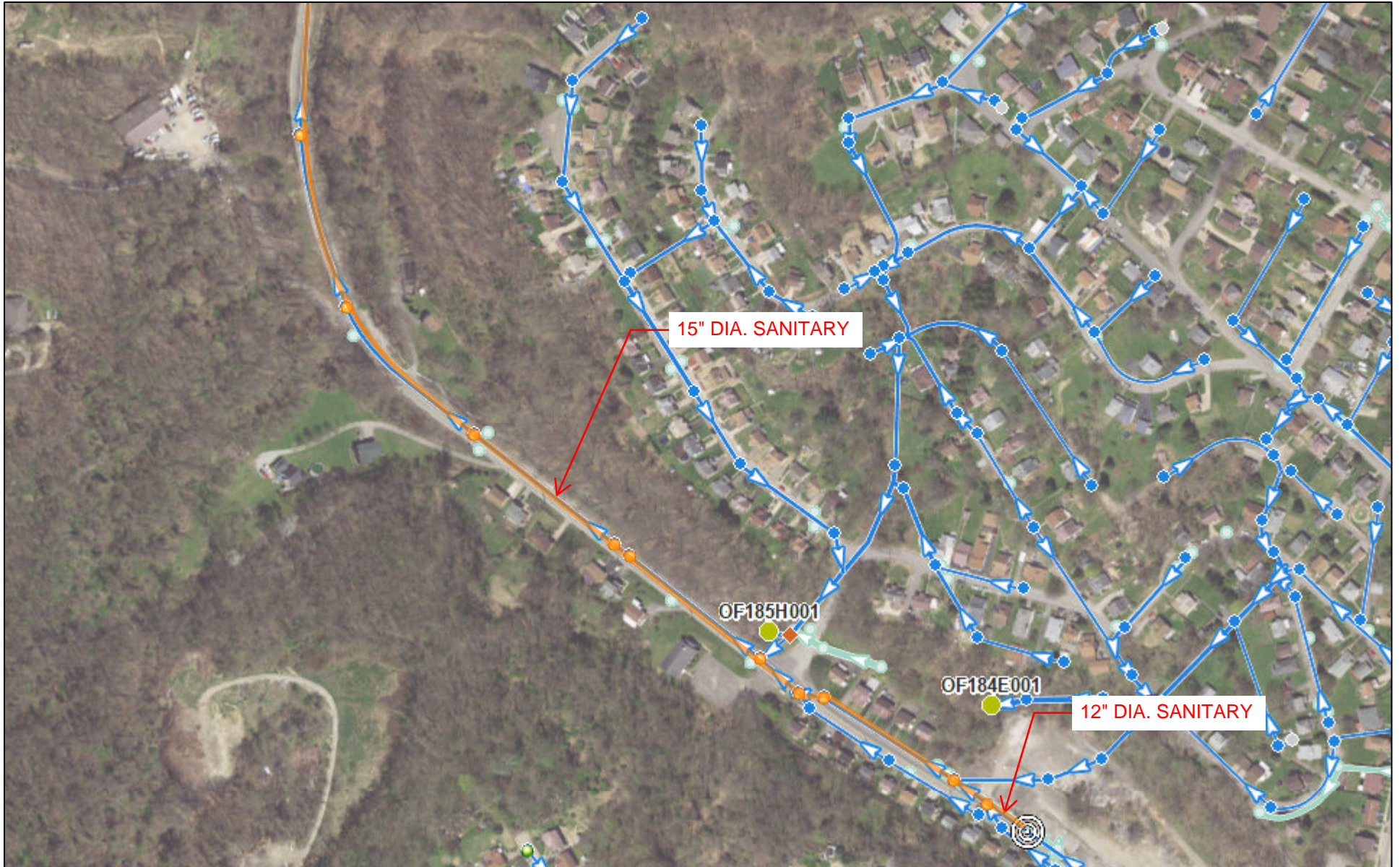
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3 Rivers Wet Weather

3 Rivers Wet Weather

3RWW Sewer Atlas

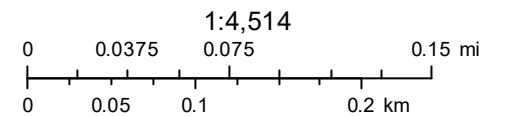


5/2/2023, 9:50:57 AM

- ALCOSAN Service Area
- Wastewater | Discharge Points**
- Override 1
- Flow Monitors**
- Override 1
- Wastewater | Manholes and Other Structures**
- Manhole

- ◆ Regulator
- (Missing Type)
- Municipalities in the ALCOSAN Service Area**
- Override 1

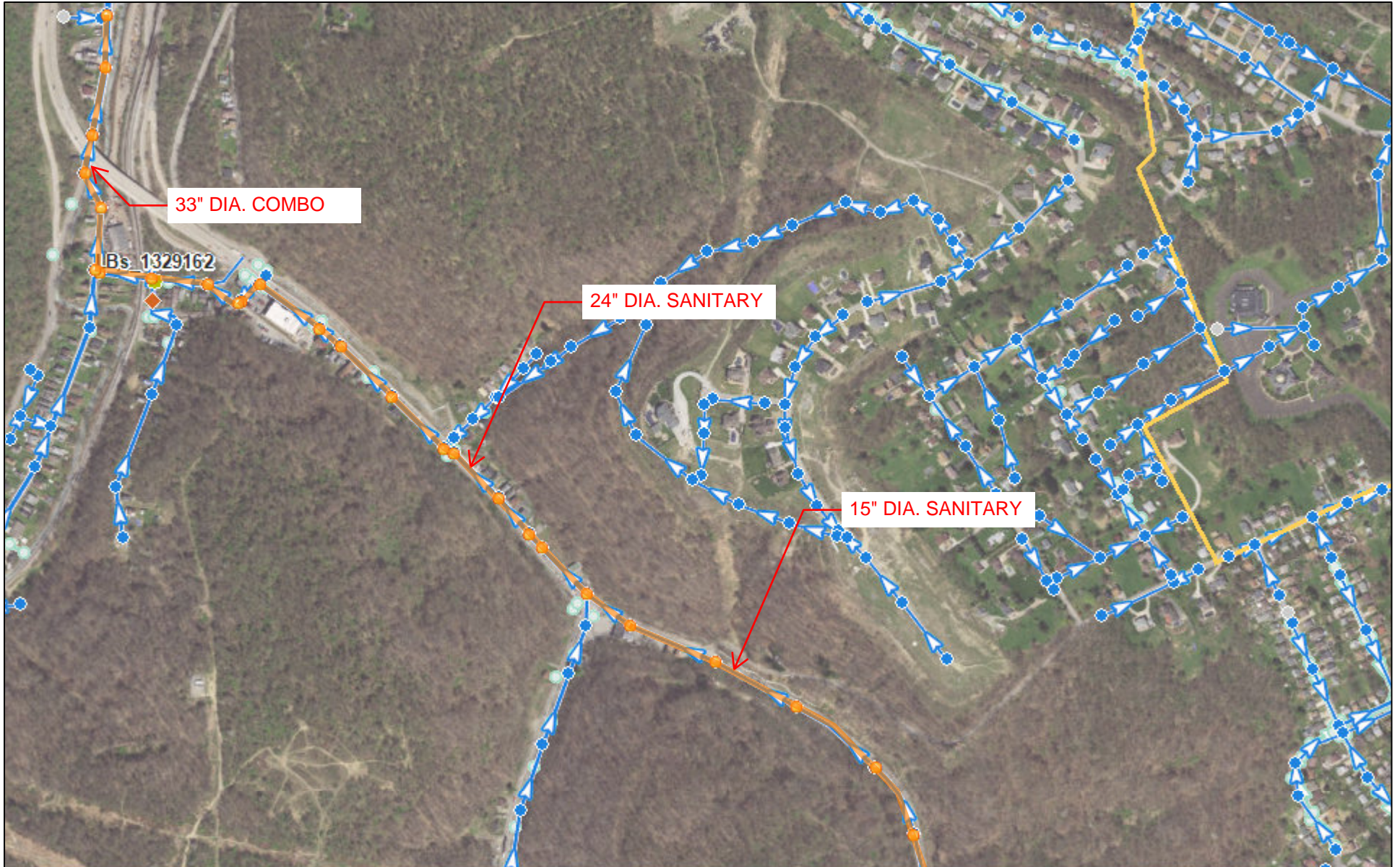
▶ Flow Direction



3 Rivers Wet Weather

3 Rivers Wet Weather

3RWW Sewer Atlas

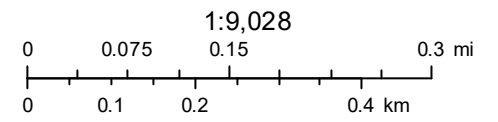


5/2/2023, 9:55:11 AM

- ALCOSAN Service Area
- Wastewater | Discharge Points**
- Override 1

- Wastewater | Manholes and Other Structures**
- Manhole
- ◆ Regulator

- (Missing Type)
- Municipalities in the ALCOSAN Service Area**
- Override 1



3 Rivers Wet Weather

3RWW Sewer Atlas



5/2/2023, 10:04:21 AM

 ALCOSAN Service Area

Flow Monitors

 Override 1

Wastewater | Discharge Points

 Override 1

36" DIA. COMBO

36" DIA. COMBO

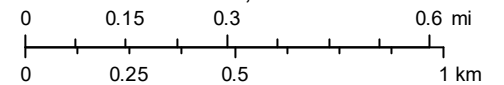
20" DIA. COMBO

33" DIA. COMBO

33" DIA. COMBO

45" DIA. COMBO

1:18,056



3 Rivers Wet Weather

3RWW Sewer Atlas



5/2/2023, 10:13:55 AM

 ALCOSAN Service Area

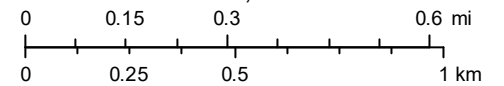
Flow Monitors

 Override 1

Wastewater | Discharge Points

 Override 1

1:18,056



3 Rivers Wet Weather

3RWW Sewer Atlas



12/7/2022, 12:55:06 PM

Wastewater | Discharge Points

- Override 1

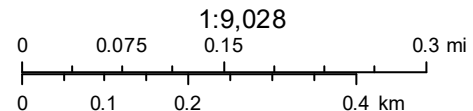
Wastewater | Manholes and Other Structures

- Other Structures

- Manhole
- ◆ Junction
- ◆ Regulator
- (Missing Type)

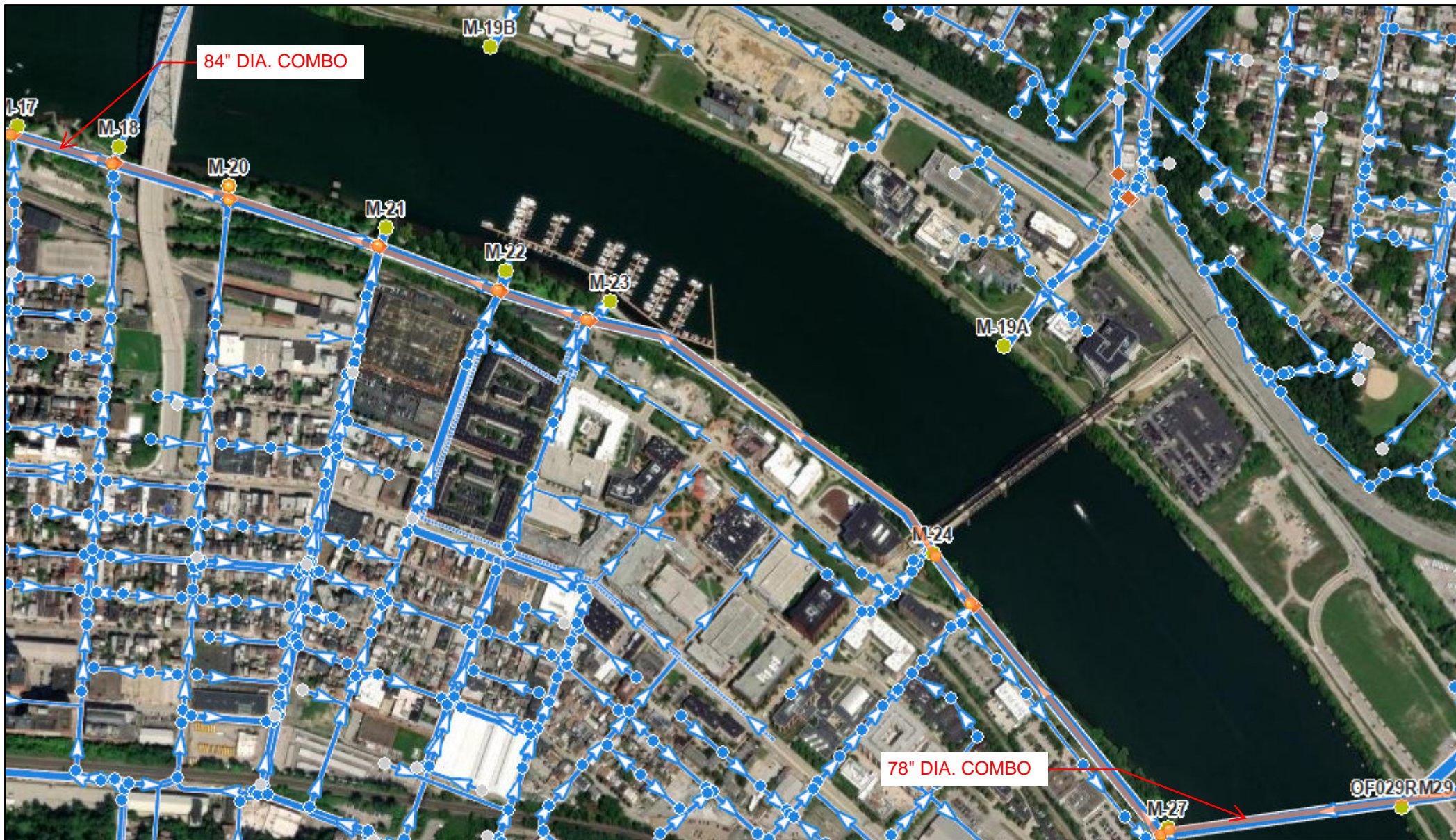
Municipalities in the ALCOSAN Service Area

- Override 1
- ▶ Flow Direction
- ▬ Pipes (unknown width)



3 Rivers Wet Weather
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

3RWW Sewer Atlas



12/7/2022, 12:55:41 PM

Wastewater | Discharge Points

● Override 1

Wastewater | Manholes and Other Structures

● Manhole

◆ Regulator

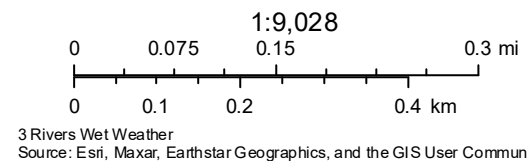
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Municipalities in the ALCOSAN Service Area

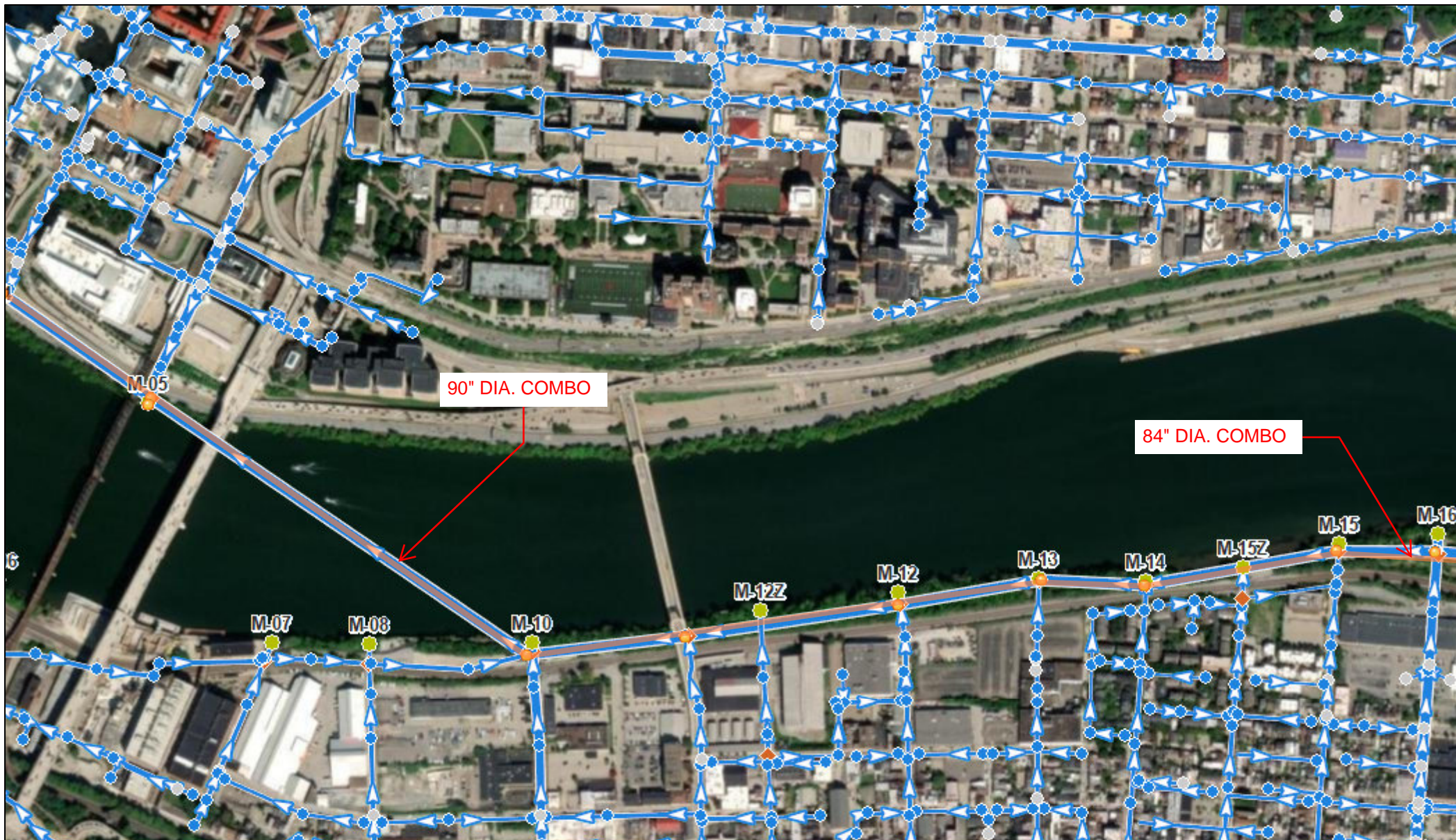
● Override 1

▤ Flow Direction

▬ Pipes (unknown width)



3RWW Sewer Atlas



12/7/2022, 12:56:09 PM

Wastewater | Discharge Points

● Override 1

Wastewater | Manholes and Other Structures

● Other Structures

● Manhole ● (Missing Type)

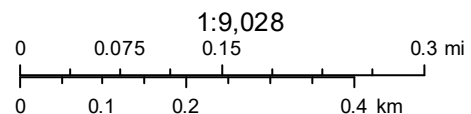
◆ Junction

◆ Regulator

Municipalities in the ALCOSAN Service Area

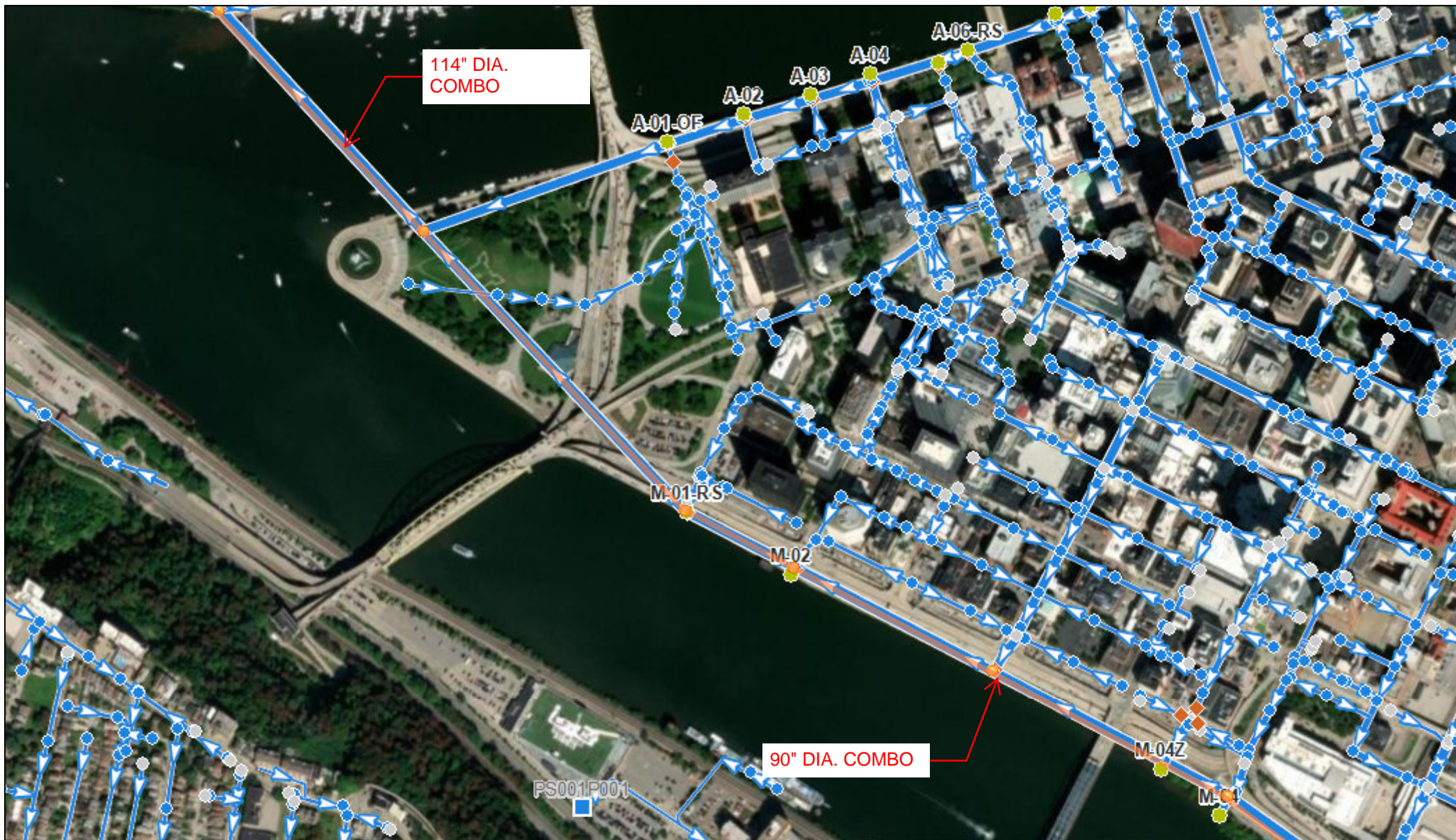
● Override 1

➤ Flow Direction



3 Rivers Wet Weather
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

3RWW Sewer Atlas



12/7/2022, 12:56:32 PM

Wastewater | Discharge Points

● Override 1

Wastewater | Pump / Facility Locations

■ Override 1

Wastewater | Manholes and Other Structures

● Other Structures

● Manhole

◆ Junction

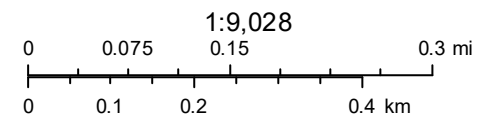
◆ Regulator

● (Missing Type)

Municipalities in the ALCOSAN Service Area

● Override 1

▶ Flow Direction



3 Rivers Wet Weather
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

3RWW Sewer Atlas



12/7/2022, 12:57:03 PM

Wastewater | Discharge Points

- Override 1

Wastewater | Manholes and Other Structures

- Other Structures

- Manhole

- ◆ Regulator

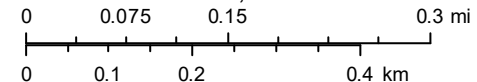
- (Missing Type)

Municipalities in the ALCOSAN Service Area

- Override 1

- Flow Direction

1:9,028



3 Rivers Wet Weather
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

3RWW Sewer Atlas



12/7/2022, 12:57:32 PM

Wastewater | Discharge Points

- Override 1

Wastewater | Pump / Facility Locations

- Override 1

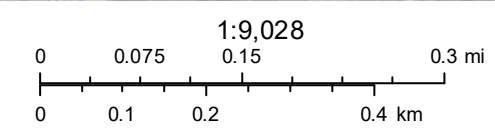
Wastewater | Manholes and Other Structures

- Other Structures
- Manhole
- ◆ Regulator

● (Missing Type)

Municipalities in the ALCOSAN Service Area

- Override 1
- ▶ Flow Direction



3 Rivers Wet Weather
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

3RWW Sewer Atlas



12/7/2022, 12:58:14 PM

Wastewater | Discharge Points

- Override 1
- Override 1

Wastewater | Pump / Facility Locations

- Override 1

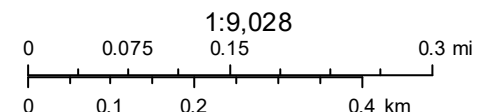
Wastewater | Manholes and Other Structures

- Other Structures
- Manhole
- ◆ Junction
- ◆ Regulator

● (Missing Type)

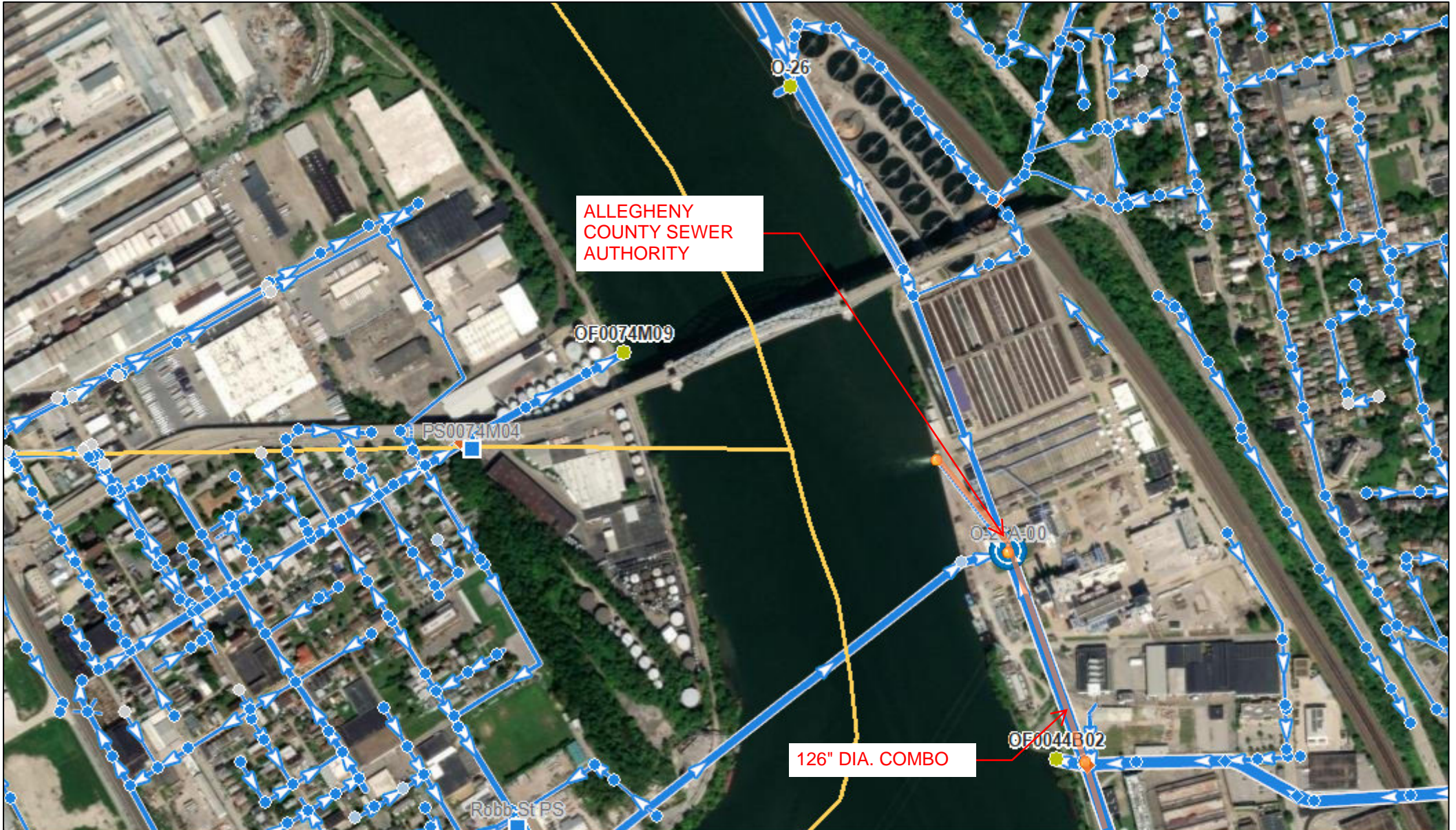
Municipalities in the ALCOSAN Service Area

- Override 1
- ▶ Flow Direction



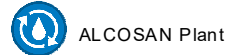
3 Rivers Wet Weather
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

3RWW Sewer Atlas



12/7/2022, 12:58:41 PM

ALCOSAN Plant



Wastewater | Discharge Points

- Override 1

Wastewater | Pump / Facility Locations

- Override 1

Wastewater | Manholes and Other Structures

- Other Structures

- Manhole

- ◆ Junction

- ◆ Regulator

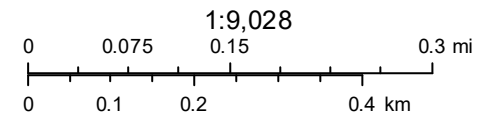
- (Missing Type)

Municipalities in the ALCOSAN Service Area

- Override 1

- ▶ Flow Direction

- ▬ Pipes (unknown width)



3 Rivers Wet Weather
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

APPENDIX K

Completeness Checklist

Checklist



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

Completeness Checklist

The individual completing the component should use the checklist below to assure that all items are included in the module package. The municipality should confirm that the required items have been included within 10 days of receipt, and if complete, sign and date the checklist.

Sewage Collection and Treatment Facilities

- Name and Address of land development project.
- U.S.G.S. 7.5 minute topographic map with development area plotted.
- Project Narrative.
- Letter from water company (if applicable).
- Alternative Analysis Narrative.
- Details of chosen financial assurance method.
- Proof of Public Notification (if applicable).
- Name of existing collection and conveyance facilities.
- Name and NPDES number of existing treatment facility to serve proposed development.
- Plot plan of project with required information.
- Total sewage flows to facilities table.
- Signature of existing collection and/or conveyance Chapter 94 report preparer.
- Signature of existing treatment facility Chapter 94 report preparer.
- Letter granting allocation to project (if applicable).
- Signature acknowledging False Swearing Statement.
- Completed Component 4 (Planning Agency Review) for each existing planning agency and health department.
- Information on selected treatment and disposal option.
- Permeability information (if applicable).
- Preliminary hydrogeology (if applicable).
- Detailed hydrogeology (if applicable).

Municipal Action

- Component 3 (Sewage Collection and Treatment Facilities).
- Component 4 (Planning Agency Comments and Responses).
- Proof of Public Notification.
- Long-term operation and maintenance option selection.
- Comments, and responses to comments generated by public notification.
- Transmittal Letter

Signature of Municipal Official

Date submittal determined complete