Fifth and Dinwiddie Development Sewage Facilities Planning Module Application

City of Pittsburgh Allegheny County, Pennsylvania

Prepared for:

Fifth and Dinwiddie Development, LLC on behalf of URA

by:



100 Airside Drive Moon Township, PA 15108 (412) 269-6300

July 2021



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List of Attachments

ATTACHMENT A - APPLICATION

ATTACHMENT B - SITE LOCATION MAP

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ATTACHMENT D - TABLE OF PARCELS & LOTS

ATTACHMENT E - WATER & SANITARY CALCULATIONS

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Fifth and Dinwiddie Development, LLC Fifth and Dinwiddie – East Site Pittsburgh, Pennsylvania

Sanitary Sewer Planning Module

1.0 Project Narrative (Section F)

1.1 Nature of Development Project

This project is proposing the renovation and expansion of an existing building located in the northeast quadrant of the intersection of Fifth Avenue and Dinwiddie Street. The proposed uses are anticipated to be retail, office, and commercial. Tenants that will occupy the spaces are currently unknown.

1.2 Number of Lots or EDUs in the Development Project

The site was originally 3 lots; however, a lot consolidation plan is being approved to consolidate these down to 1 lot. The projected site flows are as follows:

Type of Sanitary Flow	Definition	Flow, gpd	EDUs*
Project Flow	Peak daily flow associated with the Project	4495	12
Existing Flow	Peak daily flow within the past five years	2139	6
Net Flow	= Project Flow – Existing Flow	2356	6

^{*}Note: EDUs is based on DEPs definition of 1 EDU = 400 gpd.

1.3 Proposed Sewer Disposal Method

The proposed method of sewer disposal is to connect into the existing combined sewer system provided under Fifth Avenue. The connection will mimic the existing connection from the existing building that is being renovated.

1.4 Projected Population and Sewage Flows

The project sewage flows were completed in compliance with PWSA's Table 1: Water Use and Sanitary Flow Estimates found in the PWSA Developer's Manual. The calculations can be found in Attachment E of this submission. Existing flows were also determined using a flow meter installed in Manhole MH002H102 for a period of 30 days. The results of the metering can be found in Attachment F. The existing sewer slope was determined based on information provided by PWSA.



1.5 Location of Discharge

The proposed discharge location is proposed to replace the existing connection point from the of the renovated building. The discharge point coordinates have been approximated to be:

Latitude: N40.43838159 Longitude: W79.98043067

1.6 Total Acreage of the Proposed Land Development Project

The total acreage of the proposed land development is:

Lot Size: 0.39 acres

Disturbed Area: 0.78 acres

1.7 Use of any Acreage or Parcels Under the Same Ownership and Adjacent to the Property

The Applicant is currently working on a project development adjacent to this site; Fifth and Dinwiddie – West Site. This project is on the northwest corner of the intersection of Fifth Avenue and Dinwiddie Street. While the two projects are planned to have overlapping construction schedules, they are being permitted separately through the City and a separate sanitary sewer planning process will be undertaken for the West Site project.

1.8 Pervious Act 537 Planning

There are no known previously completed Act 537 planning applications for the subject site.

2.0 ALTERNATIVES ANALYSIS (SECTION H)

The site is located within the City limits adjacent to existing sewer collection infrastructure that is planned to accept sanitary flow from the subject site. The property in question is also proposed to be completely developed (in compliance with the zoning code) which prevents the use of onsite treatment facilities. As such it is our opinion that no alternative exists for the site other than to connect into the existing combined sewer system adjacent to the site.



August 16, 2021

Brandon Fombelle Michael Baker International 100 Airside Drive, Airside Business Park Moon Township, PA 15108

Subject: Sewage Facilities Planning Module (SFPM)

Approval for Collection System Flows

Project Name: 20013.63 Fifth and Dinwiddie (Project)

PWSA Project No.: 20013.63

Dear Brandon:

Pursuant to your request, we have reviewed the SFPM and determined that the Project will not create a dry-weather hydraulic overload within the next five (5) years for any collection facility owned by the Pittsburgh Water and Sewer Authority (PWSA). We have enclosed for your use the electronically signed "Section J – Chapter 94 Consistency Determination". Please be advised that this approval is limited to the collection system portion of the SFPM.

Our review was based on information provided by others under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at x5543 or BGrunauer@pgh2o.com.

Sincerely,

Ben Grunauer

Benjamin Grunauer, E.I.T. Engineer III

Enclosures

cc: Barry King, P.E. – PWSA (via email)

Kate Mechler, P.E. – PWSA (via email) Robert Herring, P.E. – PWSA (via email) Thomas Flanagan – DEP (via email) eBuilder – Filing System (via email)





To: Barry King, P.E. - Director of Engineering and Construction

From: Benjamin Grunauer, E.I.T.

Date: August 11, 2021

Subject: Department of Environmental Protection (DEP) - Sewage Facilities

Planning Module (SFPM)

Chapter 94 Consistency Determination

Project Name: 20013.63 Fifth and Dinwiddie (Project)

Project Address: 112 Dinwiddie Street, Pittsburgh, PA

PWSA Project Number: 20013.63

Dear Barry,

The Pittsburgh Water and Sewer Authority (PWSA) received a SFPM application for the aforementioned Project. In accordance with Title 25 of the Pennsylvania Code, the PWSA is required to prepare an annual Wasteload Management Report on the collection and conveyance of wastewater relative to available capacity. Our review of the SFPM was conducted to understand how the Project will impact available dry-weather capacity and whether the proposed flows will contribute to a dry-weather hydraulic overload within the next five (5) years. Please note that a dry-weather hydraulic overload shall require both the denial of the SFPM and the submission of a Corrective Action Plan to the DEP.

We have determined that the Project will not contribute to a dry-weather hydraulic overload within the next five years. Please refer to the enclosed hydraulic calculations for additional information. Upon your approval, please sign and return the enclosed "Section J - Chapter 94 Consistency Determination" page from the SFPM.

Our review was based on information provided by others under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly.

Yours truly,

Ben Grunauer

Benjamin Grunauer, E.I.T. Engineer III

Enclosures

cc: Robert Herring, P.E. - PWSA e-Builder – Filing System

□ J.	CHAPTER 94 CONSISTENCY DETERMINATION	(See Section J	of instructions
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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 <u>4495</u> 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.

		nd/or Permitted	b. Present	Flows (gpd)	c. Projecte 5 yea (2 years	ırs (gpd)
	Average	Peak	Average	Peak	Average	Peak
Collection	98433919	344518718	781000	6346000	1905149	6668020
Conveyance						
Treatment						

3. Collection and Conveyance Facilities

b.

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?
	lf v.s.s	41-1	

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.

Collection System		
Name of Agency, Authority, Municipality PWSA		
Name of Responsible Agent Barry King, PE, PMP		
Agent Signature	Date 8/16/2021	

Sewage Facilities Planning Module

Chapter 94 Consistency Determination

Hydraulic Calculations Spreadsheet for Flow Monitoring Measurements

PROJECT NAME: 20013.63 Fifth and Dinwiddie

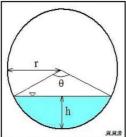
PWSA PROJECT NUMBER: 20013.63

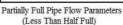
PWSA REVIEWER: Benjamin Grunauer, E.I.T.

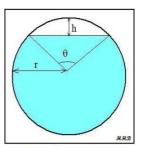
DATE: August 11, 2021

LEGEND: Input Data Output Data

Section A: Manning Equation for Partially Filled Pipes







Partially Full Pipe Flow Parameters (More Than Half Full)

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

$$Q = \left(\frac{1.49}{n}\right) \times A \times R^{2/3} \times S^{1/2}$$

$$R = \frac{A}{P}$$

OR

$$\theta = 2 \times \cos^{-1} \left(\frac{r - h}{r} \right)$$

$$A_{<50\% Full} = \frac{r^2(\theta - \sin \theta)}{2}$$

$$P_{<50\% Full} = r \times \Theta$$

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

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

Section B: Data for Calculations

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

Proposed Project Flows			
Variable Value Units			
Q_p	4,495	gpd	

Variable	Value	Units
Material	Brick	
n	0.016	unitless
S	0.024	ft/ft
h	2.200	ft
D	6.00	ft
P.F.	3.5	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}	97,670,684	gpd		

Design Capacity, Peak						
Variable	Unit					
D	6.000	ft				
r	3.000	ft				
Α	28.274	ft^2				
Р	18.850	ft				
R	1.500	ft				
Q _{d, peak}	529	cfs				
Q _{d, peak}	341,847,393	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	Variable Value Unit					
Q _{ex, avg}	781,000	gpd				

Present Flows, Peak						
Variable	Value	Unit				
Q _{ex, peak} 6,346,000 gpd						

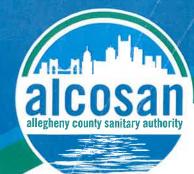
Section E: Calculations for Projected Flows in Five (5) Years

Variable	Description	Definition
Q _{proj, avg}	Projected Flows in Five (5) Years, Average	= Q _{proj, peak} ÷ P.F.
Q _{proj, peak}	Projected Flows in Five (5) Years, Peak	= (Q _{ex, peak} + Q _p) x 1.05

Projected Flow Calculations							
Variable Value Unit							
Q _{proj, avg}	1,905,149	gpd					
Q _{proj, peak} 6,668,020 gpd							

Section F: Compare Results with Applicant's Submission

Variable	PWSA, gpd	Applicant, gpd	Difference, gpd	Difference, %	
Q _{d, avg}	97,670,684	98,433,919	-763,235	-1%	
Q _{d, peak}	341,847,393	344,518,718	-2,671,325	-1%	
Q _{ex, avg}	781,000	781,000	0	0%	
Q _{ex, peak}	6,346,000	6,346,000	0	0%	
Q _{proj, avg}	1,905,149	1,905,149	-1	0%	
Q _{proj, peak}	6,668,020	6,668,020	0	0%	



Members of the Board

Corey O'Connor Chair Person

Rep. Harry Readshaw Sylvia C. Wilson Shannah Tharp-Gilliam, Ph.D. Jack Shea John Weinstein

Arletta Scott Williams **Executive Director**

Karen Fantoni, CPA, CGMA Finance & Administration

Michael Lichte, P.E. Director Regional Conveyance

Douglas A. Jackson, P.E. Director Operations & Maintenance

Kimberly N. Kennedy, P.E. **Engineering & Construction**

Michelle M. Buys, P.E. Environmental Compliance

Jeanne K. Clark Director Governmental Affairs

Joseph Vallarian Director Communications September 30, 2021

Brandon R. Fombelle Michael Baker International 100 Airside Drive Moon Township, PA 15108

Fifth and Dinwiddie - East Site Re: 112 Dinwiddie Street, Pittsburgh, PA 15219 PA DEP Sewage Facilities Planning Module **ALCOSAN Regulator Structure M-05-00**

Dear Mr. Fombelle:

We have reviewed the Component 3 Planning Module for the referenced project to be located in the City of Pittsburgh. The project will generate a peak flow of 4,495 GPD in the ALCOSAN Monongahela River Interceptor and Woods Run Treatment Plant.

The capacity of the ALCOSAN regulator at M-05-00 is approximately 20.6 MGD. The estimated peak dry weather flow is approximately 3.26 MGD. Dry weather capacity exists for this connection. However, the ALCOSAN Monongahela River Interceptor and the Woods Run Treatment Plant do not have the capacity for the flows generated 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 412-732-8046.

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY

Joseph A. Sparbanie, P.E. Civil Engineer

Attachment

T. Dean (w/o attachment)

D. Thornton (w/o attachment)

oseph Sparbanie

M. Lichte (w/o attachment)

B. King/ PWSA (w/o attachment)

T. Flanagan/ PaDEP (w/o attachment)

F. Fields/ ACHD (w/o attachment)



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

INSTRUCTIONS FOR COMPLETING COMPONENT 4A MUNICIPAL PLANNING AGENCY REVIEW

Remove and recycle these instructions prior to mailing component to the approving agency.

Background

This component, Component 4, is used to obtain the comments of planning agencies and/or health departments having jurisdiction over the project area. It is used in conjunction with other planning module components appropriate to the characteristics of the project proposed.

Who Should Complete the Component?

The component should be completed by any existing municipal planning agency, county planning agency, planning agency with areawide jurisdiction, and/or health department having jurisdiction over the project site. It is divided into sections to allow for convenient use by the appropriate agencies.

The project sponsor must forward copies of this component, along with supporting components and data, to the appropriate planning agency(ies) and health department(s) (if any) having jurisdiction over the development site. These agencies are responsible for responding to the questions in their respective sections of Component 4, as well as providing whatever additional comments they may wish to provide on the project plan. After the agencies have completed their review, the component will be returned to the applicant. The agencies have 60 days in which to provide comments to the applicant. If the agencies fail to comment within this 60 day period, the applicant may proceed to the next stage of the review without the comments. The use of registered mail or certified mail (return receipt requested) by the applicant when forwarding the module package to the agencies will document a date of receipt.

After receipt of the completed Component 4 from the planning agencies, or following expiration of the 60 day period without comments, the applicant must submit the entire component package to the municipality having jurisdiction over the project area for review and action. If approved by the municipality, the proposed plan, along with the municipal action, will be forwarded to the approving agency (Department of Environmental Protection or delegated local agency). The approving agency, in turn, will either approve the proposed plan, return it as incomplete, or disapprove the plan, based upon the information provided.

Instructions for Completing Planning Agency and/or Health Department Review Component

Section A. Project Name

Enter the project name as it appears on the accompanying sewage facilities planning module component (Component 2, 2m, 3, 3s or 3m).

Section B. Review Schedule

Enter the date the package was received by the reviewing agency, and the date that the review was completed.

Section C. Agency Review

- 1. Answer the yes/no questions and provide any descriptive information necessary on the lines provided. Attach additional sheets, if necessary.
- 2. Complete the name, title, and signature block.

Section D. Additional Comments

The Agency may provide whatever additional comment(s) it deems necessary, as described in the form. Attach additional sheets, if necessary.



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

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.

agency for	their	comme	nts.				
SECTION	A.	PROJE	ECT NAME (See Section A of instructions)				
Project Na Fifth and		riddie					
SECTION	В.	REVIE	W SCHEDULE (See Section B of instructions)				
1. Date p	lan r	eceived	by municipal planning agency August 30, 2021				
2. Date re	eview	v comple	eted by agency September 17, 2021				
SECTION	C.	AGENO	CY REVIEW (See Section C of instructions)				
Yes	No ⊠	1.	Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, et seq.)?				
□ N/A		2.	Is this proposal consistent with the comprehensive plan for land use?				
			If no, describe the inconsistencies				
\bowtie		3.	Is this proposal consistent with the use, development, and protection of water resources?				
			If no, describe the inconsistencies				
\boxtimes		4.	Is this proposal consistent with municipal land use planning relative to Prime Agricultural Land Preservation?				
	\boxtimes	5.	Does this project propose encroachments, obstructions, or dams that will affect wetlands?				
			If yes, describe impacts				
	\boxtimes	6.	Will any known historical or archaeological resources be impacted by this project?				
			If yes, describe impacts				
	\boxtimes	7.	Will any known endangered or threatened species of plant or animal be impacted by this project?				
			If yes, describe impacts				
\boxtimes		8.	Is there a municipal zoning ordinance?				
\boxtimes		9.	Is this proposal consistent with the ordinance?				
			If no, describe the inconsistencies				
	\boxtimes	10.	Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance?				
\bowtie		11.	Have all applicable zoning approvals been obtained?				
\boxtimes		12.	Is there a municipal subdivision and land development ordinance?				

3850-FM-BCW0362A 6/2016

SECTIO	N C.	AGENO	CY REVIEW (continued)
Yes	No		
\boxtimes		13.	Is this proposal consistent with the ordinance?
			If no, describe the inconsistencies
\boxtimes		14.	Is this plan consistent with the municipal Official Sewage Facilities Plan?
			If no, describe the inconsistencies
	\boxtimes	15.	Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?
			If yes, describe
	\boxtimes	16.	Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
			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: Martina Wolf Battistone
			Title: Principal Environmental Planner
			Signature: Martina Wolf Battistons
			Date: September 17, 2021
			Name of Municipal Planning Agency: City of Pittsburgh Department of City Planning
			Address 200 Ross Street 4th Floor Pittsburgh, PA 15219
			Telephone Number: (412) 255-2516
SECTIO	N D.	ADDIT	ONAL COMMENTS (See Section D of instructions)
			ot limit municipal planning agencies from making additional comments concerning the relevancy other plans or ordinances. If additional comments are needed, attach additional sheets.
The plan	ning ac	nency m	ust complete this component within 60 days.

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



APPLICATION



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

Code No.

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

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 Fifth and Dinwiddie East Site
- 2. Brief Project Description Renovation and Expansion of Existing Building

B. CLIENT (MUNICIPALITY) INFORMATION (See Section B of instructions)							
Municipality Name	County	Cit	у	Boro	Twp		
City of Pittsburgh	Allegheny	<i>'</i>	1				
Municipality Contact Individual - Last Name	First Name	M	1I Suffix	Title			
Battistone	Martina		CFM	Senior E Planner	Environmental		
Additional Individual Last Name	First Name	N	II Suffix	Title			
Municipality Mailing Address Line 1		Mailing Address Li	ine 2				
City of Pittsburgh, Department of City Planning		200 Ross Street, 4	I th Floor				
Address Last Line City		State	ZIF	P+4			
Pittsburgh		PA	152	219			
Area Code + Phone + Ext.	FAX (optional	ıl) Er	nail (optiona	al)			
412-255-2516		m	artina battist	tone@pittsbur	rahpa gov		

C. SITE INFORMATION (See Secti	on C of instruction	s)			
Site (Land Development or Project) Nam	е				
Fifth and Dinwiddie - East Site					
Site Location Line 1 112 Dinwiddie Street		Site Location	n Line 2		
Site Location Last Line City Pittsburgh	State PA	ZIP 152			ongitude 79.98037500
Detailed Written Directions to Site Drive south on State Route 28. Take the ramp on the right to merge onto I-579 (Veterans Bridge). After crossing Veterans Bridge take the 6 th /7 th Ave Exit toward downtown but keep left toward PPG Areana. Take a slight left onto Bigelow Blvd. Then continue straight onto Chatham Street. Turn left onto Centre Ave. Then turn right onto Dinwiddie Street					
Description of Site The existing site is the existing Pittsburgh Public Works building and assocatied parking lot. The proposed building includes renovation of the existing building and a building expansion that will cover the area of the existing parking lot.					
Site Contact (Developer/Owner)					
Last Name	First Name	MI	Suffix	Phone	Ext.
Tillman	Derrick	S''	-: /:6	(412) 583-1447	
Site Contact Title			•	ne, leave blank)	
500			viddie Dev	relopment, LLC	
FAX		Email			
		dtillman@btgo		ent.net	
Mailing Address Line 1		Mailing Addre			
Energy Innovation Center		1435 Bedford			
Mailing Address Last Line City		State	ZIP-		
Pittsburgh	F	PA	152	19	
D. PROJECT CONSULTANT INF	ORMATION (Se	ee Section D	of instruct	,	
Last Name	First N	ame		MI Sut	ffix
Fombelle	Brando			R	
Title	Consul	Iting Firm Nai	me		
Project Manager		el Baker Interi			
Mailing Address Line 1	N	∕lailing Addre	ss Line 2		
100 Airside Drive					
Address Last Line – City	State	ZIP+4	4	Country	
Moon Township	PA	1510	8	United States	
	Code + Phone	Ext.		Area Code + FAX	,
	75-3081	al V			
E. AVAILABILITY OF DRINKING	WATER SUPP	LY			
The project will be provided with di Individual wells or cisterns. A proposed public water supply An existing public water supply If existing public water supply documentation from the water	y. v. <mark>(existing connec</mark> t oly is to be used	tions to be up	<mark>odated)</mark> he name	of the water company	and attach
Name of water company: Pitts	burgh Water and	Sewer Author	rity (PWSA	A)	
F. PROJECT NARRATIVE (See S	ection F of instruct	tions)			

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

 $oxed{\boxtimes}$ A narrative has been prepared as described in Section F of the instructions and is attached.

2.

(Also see Section I. 4.)

G.	PROPOSED WASTEWATER DISPOSAL FACILITIES (See Section G of instructions)					
	serv		rovide information on collection, conveyance sed to determine consistency with Chapter 9			
COLLECTION SYSTEM a. Check appropriate box concerning collection system						
			☐ Pump Station	☐ Force Main		
		Grinder numn(s)	☐ Extension to existing collection system	M Expansion of existing facility		

	New collection system	☐ Pump Station	☐ Force Main
	Grinder pump(s)	Extension to existing collection system	☐ Expansion of existing facility
Cle	an Streams Law Permit N	lumber	
b.	Answer questions belo	w on collection system	
	Number of EDU's and	proposed connections to be served by collecti	ion system. EDU's 12
	Connections 1		
	Name of:		
	_	onveyance system <u>42" Combined Concrete So</u> er and Sewer Authority (PWSA)	
		and Sewer Admonty (FWSA)	
WA	STEWATER TREATME	NT FACILITY	
ED pro	U's served. This informa visions), 92 (relating to	and provide information on collection, convetion will be used to determine consistency wit national Pollution Discharge Elimination S to water quality standards).	h Chapter(s) 91 (relating to genera
a.	Check appropriate box a	nd provide requested information concerning	the treatment facility
		Existing facility Upgrade of existing facilit	y Expansion of existing facility
	Name of existing facility		
		for existing facility PA 0025 984	
	Clean Streams Law Peri	mit Number	
		oint for a new facility. Latitude L	
b.	permitee or their represe		
	adversely affecting the effluent limits (see Section	entative of the permittee, I confirm that the Acwage treatment facilities can accept sewage facility's ability to achieve all applicable te on I) and conditions contained in the NPDES p	chnology and water quality based permit identified above.
		cy, Authority, Municipality $ALCOSAN$	
		gent Joseph A. Sparbane, P.E.	
	Agent Signature A	Date	9/30/21

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.
- Existing and proposed buildings, streets, roadways, access roads, etc.

- Any designated recreational or open space area.
- Wetlands from National Wetland Inventory Mapping and USGS Hydric Soils Mapping.
- I. Flood plains or Flood prone areas, floodways, (Federal Flood Insurance Mapping)
- m. Prime Agricultural Land.
- n. Any other facilities (pipelines, power lines, etc.)
- Orientation to north.
- 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.
- Topographic lines with elevations when a land based system is proposed

4. WETLAND PROTECTION

YES NO

5.

6.

a.		\boxtimes	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.
PRI	ME A	GRIC	JLTURAL LAND PROTECTION
YES	3 N	Ю	
		◁	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?
HIS	TORI	C PRE	SERVATION ACT
YES	3 N	Ю	
			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:						
	\boxtimes	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 BRF					
ł.	ALT	TERNATIVE SEWAGE FACILITIES ANALYSIS (See Section H of instructions)					
	\boxtimes	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.					
•		MPLIANCE WITH WATER QUALITY STANDARDS AND EFFLUENT LIMITATIONS (See ion 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 permitee. The permitee 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 or		1.	I. CHAPTER S	4 CONSISTENCY	DETERMINATION	(See Section J	of instructions
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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 4495 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	98433919	344518718	781000	6346000	1905149	6668020
Conveyance		20,600,000	3,000,000	3,260,000	3,030,000	3,290,000
Treatment	204,300,000	250,000,000	190,200,000	250,000,000	219,001,000	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.		X	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?
	16	Mala a	and a facilities planning module will not be appointed for review by the municipality, delegated

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 Barry King, PE, PMP	
	Agent Signature BAR	_{Date} 8/16/2021

J. CHAPTER 94 CONSISTENCY DETERMINATION (See Section J of instructions)					
c. Conveyance System					
Name of Agency, Authority, Municipality ACCOSAN					
Name of Responsible Agent Jose Ph. A. Sparbanie, P. E.					
Agent Signature					
Date 9/30/2					
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 ACOSAN					
Name of Responsible Agent Joseph A. Sparbanie, P. E.					
Agent Signature					
Date 9/30/2					
☐ 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.					
 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.					
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	I. DETAII	LED HYDROGEOLOGIC STUDY (See Section N of instructions)
	☐ The d	etailed hydrogeologic information required in Section N. of the instructions is attached.
Ο.	SEWAG	E MANAGEMENT (See Section O of instructions)
	completio	etion by the developer(project sponser), 4-5 for completion by the non-municipal facility agent and on by the municipality)
1.	Yes No □ □	Is connection to, or construction of, a DEP permitted, non-municipal sewage facility or a local agency permitted, community onlot sewage facility proposed.
	to assure	spond to the following questions, attach the supporting analysis, and an evaluation of the options available long-term proper operation and maintenance of the proposed non-municipal facilities. If No, skip the of Section O.
2.	Project Fl	ows gpd
	Yes 1	No
3.		☑ Is the use of nutrient credits or offsets a part of this project?
		ach a letter of intent to puchase the necessary credits and describe the assurance that these credits and Il be available for the remaining design life of the non-municipal sewage facility;
(For	completio	n by non-municipal facility agent)
4.	Collection	and Conveyance Facilities
		tions below are to be answered by the organization/individual responsible for the non-municipal collection eyance facilities. The individual(s) signing below must be legally authorized to make representation for the on.
	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?
		this sewage facilities planning module will not be accepted for review by the municipality, delegated local
	below service	a representative of the organization responsible for the collection and conveyance facilities must sign to indicate that the collection and conveyance facilities have adequate capacity and are able to provide to the proposed development in accordance with Chapter 71 §71.53(d)(3) and that this proposal will not hat status.
		Collection System Name of Responsible Organization
	1	Name of Responsible Agent
	A	Agent Signature
		Date
		Conveyance System
	1	Name of Responsible Organization
		Name of Responsible Agent
		Agent Signature
	[Date

3800-FM-BPNPSM0353 Rev. 2/2015 Form

8. 🗌 🖂

Sewage Plan?

5.	Trea	atment F	acility	
				are to be answered by a representative of the facility permittee. The individual signing below rized 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?
				nning module for sewage facilities will not be reviewed by the municipality, delegated local DEP until this issue is resolved.
		capacit	y and is	ment facility permittee must sign below to indicate that this facility has adequate treatment able to provide wastewater treatment services for the proposed development in accordance and that this proposal will not impact that status.
	b.	Name o	of Facility	·
		Name o	of Respo	nsible Agent
		Agent S	Signature	
(For	com			unicipality)
6.				O OPTION necessary to assure long-term proper operation and maintenance of the proposed acilities is clearly identified with documentation attached in the planning module package.
P.	PU	BLIC N	IOTIFIC	CATION REQUIREMENT (See Section P of instructions)
	new dev loca app noti	rspaper elopmen al agency licant or fy the m	of gener t projects y by pul an applic unicipalit	completed to determine if the applicant will be required to publish facts about the project in a circulation to provide a chance for the general public to comment on proposed new lands. This notice may be provided by the applicant or the applicant's agent, the municipality or the dication in a newspaper of general circulation within the municipality affected. Where an eart's agent provides the required notice for publication, the applicant or applicant's agent shall by or local agency and the municipality and local agency will be relieved of the obligation to discontent of the publication notice is found in Section P of the instructions.
				ction, each of the following questions must be answered with a "yes" or "no". Newspaper d if any of the following are answered "yes".
	١	es No		
	1.			he project propose the construction of a sewage treatment facility?
	2.		Will the per day	e project change the flow at an existing sewage treatment facility by more than 50,000 gallons y?
	3.			e project result in a public expenditure for the sewage facilities portion of the project in excess
	4.			e project lead to a major modification of the existing municipal administrative organizations he municipal government?
	5.			e project require the establishment of <i>new</i> municipal administrative organizations within the pal government?
	6.		Will the	e project result in a subdivision of 50 lots or more? (onlot sewage disposal only)
	7.		Does t	he project involve a major change in established growth projections?

Does the project involve a different land use pattern than that established in the municipality's Official

Ρ.	P. PUBLIC NOTIFICATION REQUIREMENT cont'd. (See Section P of instructions)				
	9. Does the project involve the use of lagpd)?	arge volume onlot sewage disposal systems (Flow > 10,000			
		a conflict between the proposed alternative and consistency (i), (ii), (ii)?			
	11. Will sewage facilities discharge into high	n 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	c notice is attached.			
Q.	FALSE SWEARING STATEMENT (See Section	on Q of instructions)			
bel		ue and correct to the best of my knowledge, information and ent are made subject to the penalties of 18 PA C.S.A. §4904			
	Brandon Fombelle	Del Fambell			
	Name (Print)	Signature			
Project Manager 08/30/2021					
Title Date 100 Airside Drive, Moon Township, PA 15108 412-375-3081					
10	00 Airside Drive, Moon Township, PA 15108 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 a DEP's review of my project will not begin until DEP received.	and send me an invoice for the correct amount. I understand ives 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 \$300 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 new lot and is the only lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I am furnish 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.

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:

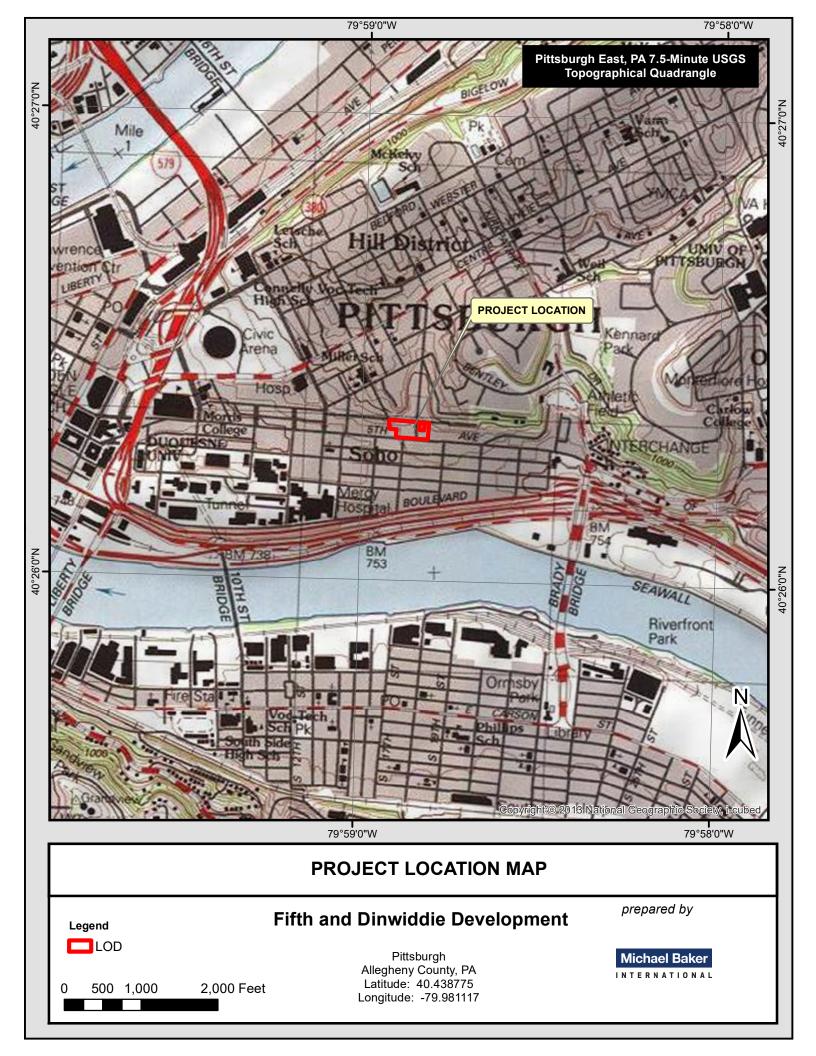
to a maximum of \$1,500 per submittal (non-municipal) or \$500 per submittal (municipal)

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)



SITE LOCATION MAP





PNDI

Project Search ID: PNDI-705894

1. PROJECT INFORMATION

Project Name: **Fifth and Dinwiddie**Date of Review: **3/11/2020 12:06:42 PM**Project Category: **Development, Other**

Project Area: 2.32 acres
County(s): Allegheny

Township/Municipality(s): PITTSBURGH

ZIP Code: 15219

Quadrangle Name(s): **PITTSBURGH EAST** Watersheds HUC 8: **Lower Monongahela**

Watersheds HUC 12: Streets Run-Monongahela River

Decimal Degrees: 40.438739, -79.981074

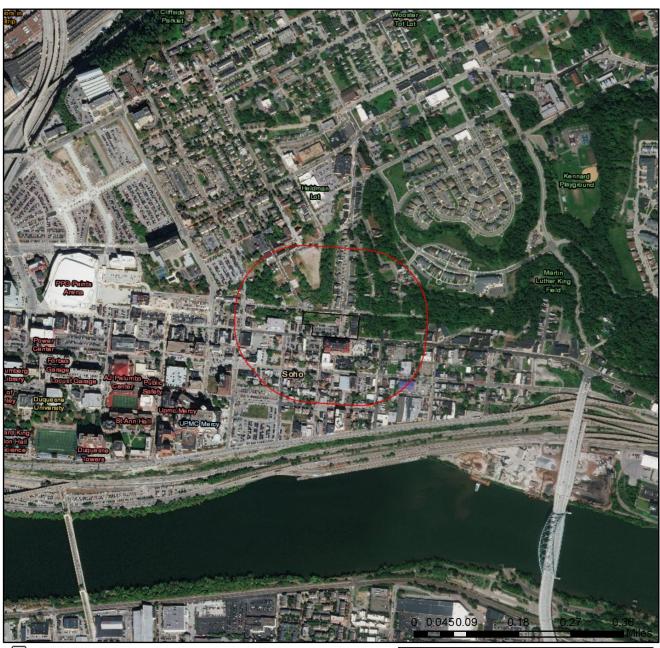
Degrees Minutes Seconds: 40° 26' 19.4607" N, 79° 58' 51.8674" W

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.

Fifth and Dinwiddie



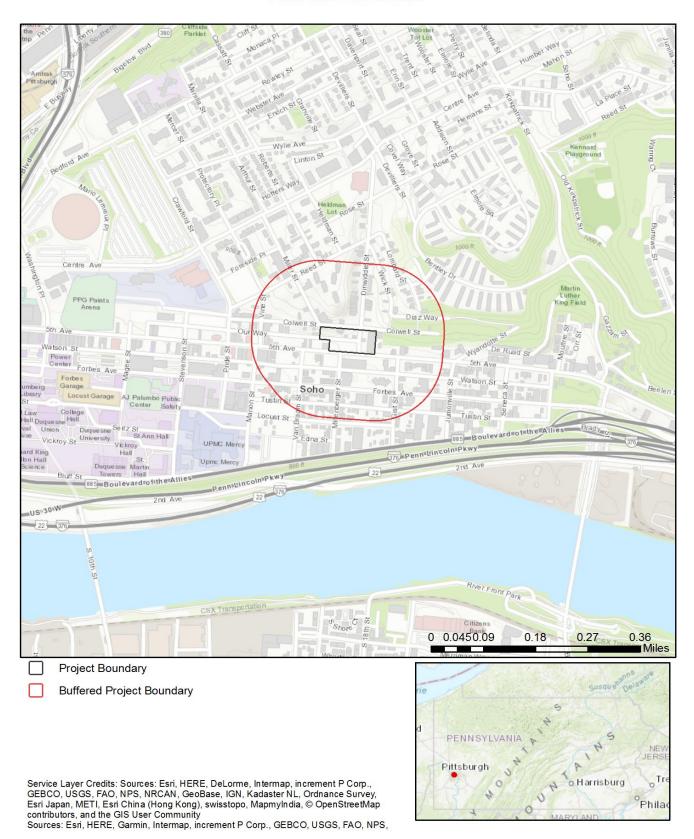
Project Boundary

Buffered Project Boundary

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community



Fifth and Dinwiddie



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: No forests, woodlots or trees will be affected by the project.

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.

Project Search ID: PNDI-705894

Project Search ID: PNDI-705894

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 NO Faxes Please

PA Game Commission

Bureau of Wildlife Habitat Management Division of Environmental Planning and Habitat Protection

2001 Elmerton Avenue, Harrisburg, PA 17110-9797

Project Search ID: PNDI-705894

Email: RA-PGC PNDI@pa.gov

NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Catalina Escobar	CONTRACT OF THE
Company/Business Name: Michael Baker Internation	onal
Address: 100 Airside Drive	
City, State, Zip: Moon Township, PA, 15108	
Phone: (412)269 6300 Fax:	
Email: catalina.escobar@mbakerintl.com	
location, size or configuration changes, or if the an	ons) is true, accurate and complete. In addition, if the project type, swers to any questions that were asked during this online review
change, I agree to re-do the online environmental r	review.
Catalina Escobar	11 March 2020
applicant/project proponent signature	date



TABLE OF PARCELS & LOTS

Project: 5th Avenue & Dinwiddie Development

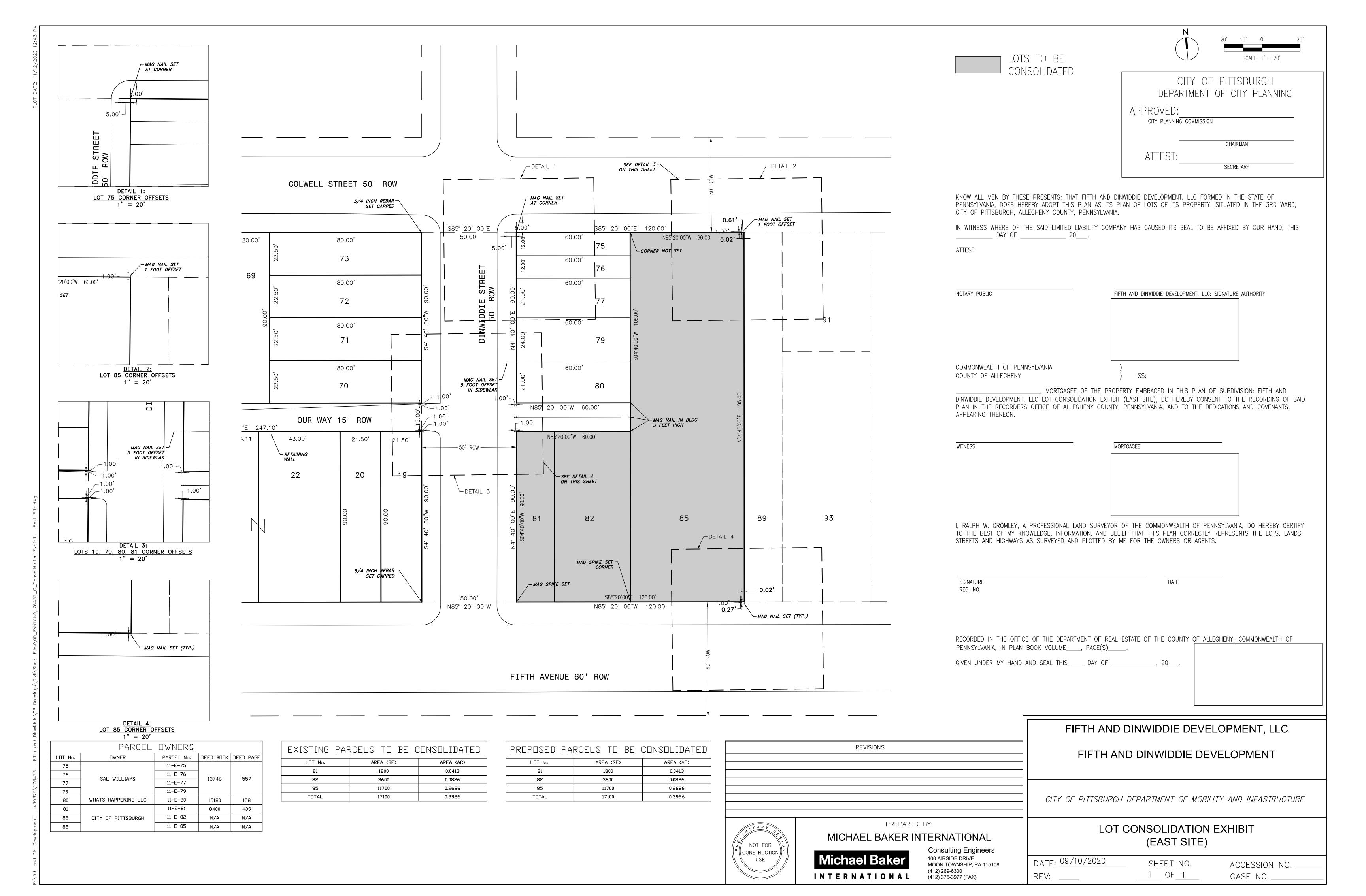
Michael Baker

INTERNATIONAL

Subject: Table of Parcels and Lots

Date: 3/19/2020 **Sheet No.:** 1 **of** 1

	FIFTH AND DINWIDDIE PA	RCELS AND LO	TS	
LOT No.	OWNER	PARCEL No.	DEED BOOK	DEED PAGE
19		11-E-19		
20		11-E-20	1	
22		11-E-22		
23		11-E-23	1	
24		11-E-24		
25		11-E-25	14542	565
26		11-E-26	14542	303
27		11-E-27		
28		11-E-28	1	
29		11-E-29		
30		11-E-30	1	
31		11-E-31		
56		11-E-56		
57		11-E-57	15047	63
58		11-E-58	15047	05
59	URBAN REDEVELOPMENT	11-E-59		
60	AUTHORITY OF PITTSBURGH	11-E-60	15465	552
60A		11-E-60A	14533	313
61		11-E-61	15465	552
62		11-E-62		
63		11-E-63	14533	313
64		11-E-64		
65		11-E-65		
65A		11-E-65A	14533	295
66		11-E-66		
67		11-E-67	14449	280
68		11-E-68		
69		11-E-69	14533	286
70		11-E-70		
71		11-E-71	13936	206
72		11-E-72	14533	286
73		11-E-73	14333	200
81		11-E-81	8400	439
82	CITY OF PITTSBURGH	11-E-82	N/A	N/A
85		11-E-85	N/A	N/A





WATER & SANITARY CALCULATIONS



Project: 5th Avenue & Dinwiddie Development - East Site

Subject: Water Consumption and Sanitary Flow Calculations

Existing Site Water Consumption Building 3 Lot

Date: 11/30/2020



LOT No.	OWNER	PARCEL No.	EDUs
81		11-E-81	0
82	CITY OF	11-E-82	0
85	PITTSBURGH	11-E-85	7
-		Existing EDU =	7

^{*}calculations for Lot 85 shown below:

TENANT WATER CONSUMPTION: Lot 85 (WTEN)

Floor 1:	Area	3888	sf	
Floor 2:	Area	5833	sf	
Floor 3:	Area	11665	sf	

1 Occupant / 10 gal/occupant

9

100

SF

	Floor 1	
Area =	3888	sf
Occupants =	39	
Flow =	388.8	gal/day

	Floor 2	
Area =	5833	sf
Occupants =	58	
Flow =	583.3	gal/day

	Floor 3	
Area =	11665	sf
Occupants =	117	
Flow =	1166.5	gal/day

Therefore, Total Tenant Water Consumption (WTEN)

2139 gal/day

TOTAL ESTIMATED BUILDING Lot 85 WATER CONSUMPTION (TEW):

300 gal/day = 1 EDU

TEW = tenant water consumption = 2,139 gal/day

TEW = (2139 gal/day) / (300 gal/day/EDU) ≈ **7 EDU**

Project: 5th Avenue & Dinwiddie Development

Subject: Water Consumption and Sanitary Flow Calculations

> **Building 3 Water Consumption** Sheet No.: 1 of 1

11/30/2020 Date:



I. WATER CONSUMPTION

A. BUILDING 3

1. RETAIL UNIT WATER CONSUMPTION (3WRET):

400 gal/day/toilet 2 = Number of toilets @ 200 gal/day/sink 2 = Number of sinks @

3WRET = [[(Number of Toilets) x (Assumed Daily Water Demand)] + [(Number of Sinks) x (Assumed Daily Water Demand)]]

3WRET = [(2 toilet)x (400 gal/day/toilet)] + [(2 sink)x (200 gal/day/sink)]

3WRET = 1,200 gal/day

Therefore, Total 3WRET 1,200 gal/day

2. OFFICE WATER CONSUMPTION (3WOFF):

1 Occupant / 100 SF

10 gal/occupant

7450 sf Floor 1 Floor 3 Area 11197 sf Area Occupants

75 Occupants 112

Flow 750 gal/day Flow 1120 gal/day

Floor 2 2394 sf 11783 sf Area Floor 4 Area

Occupants 24 Occupants 118 1180 gal/day Flow 240 gal/day Flow

Therefore, Total Office Water Consumption (3WOFF) 3290 gal/day

3. IRRIGATION SYSTEM WATER CONSUMPTION (3WIS):

Tap #1 Demand 32 gal/min 32 gal/min Tap #2 Demand 20 min/day **Daily Operation Time**

3WIS = [(Tap #1 Demand) + (Tap #2 Demand)] x (Operation Time)

 $3WIS = [(32 \text{ gal/min}) + (32 \text{ gal/min})] \times (20 \text{ min/day})$

Therefore, Total 3WIS from irrigation taps gal/day

4. TOTAL ESTIMATED BUILDING 3 WATER CONSUMPTION (TE3W):

300 gal/day 1 EDU

TE3W = 3WCOM + 3WIS + tenant water consumption

TE3W = (1200 gal/day) + (0 gal/day) + (3290 gal/day)

TE3W = 4,490 gal/day

TE3W = (4490 gal/day) / (300 gal/day/EDU)

15 EDU

Project: 5th Avenue & Dinwiddie Development

Subject: Water Consumption and Sanitary Flow Calculations

Building 3 Sanitary Flow Sheet No.: 1 of 1

Date: 7/20/2021



II. SANITARY / CONDENSER FLOW

A. BUILDING 3

- 1. SANITARY FLOW
 - a. RETAIL SANITARY FLOW (3SRET):

3SRET = 3WRET = 1,200 gal/day

Therefore, Total 3SRET = 1,200 gal/day

b. OFFICE SANITARY FLOW (3SOFF):

3SOFF = 3WOFF = 3,290 gal/day

Therefore, Total 3SOFF = 3,290 gal/day

b. TOTAL ESTIMATED BUILDING 3 SANITARY FLOW (TE3S):

TE3S = 3WRET + 3WOFF

TE3S = (1200 gal/day) + (3290 gal/day)

TE3S = 4,490 gal/day

- 2. CONDENSER FLOW
 - a. COMMERCIAL UNIT CONDENSER FLOW (3CCOM):

1 = Number of Commercial Units

5 gal/unit/day = Estimated Unit Condenser Flow

3CCOM = (Number of Units) x (Estimated Condenser Flow)

3CCOM = (1 units) x (5 gal/unit/day)

Therefore, Total 3CCOM from 1 units = 5 gal/day

b. TOTAL ESTIMATED BUILDING 3 CONDENSER FLOW (TE1C):

TE3C = 3CCOM

TE3C = ((5 gal/day)

TE3C = 5 gal/day

3. TOTAL COMBINED BUILDING 3 SANITARY FLOW

TC3S = TE3S + TE3C

TC3S = (4490 gal/day) + (5 gal/day) = **4,495** gal/day

4. SUMMARY

$Q_{d,avg} =$	98,433,919	gal/day	(Capacity Per FlowMaster Model / 3.5 peaking factor)
$Q_{d,peak} =$	344,518,718	gal/day	(Capacity Per FlowMaster Model)
$Q_{ex,avg} =$	781,000	gal/day	(Average flow from metering)
$Q_{ex,peak} =$	6,346,000	gal/day	(Peak flow from metering)
Q _{proj,avg} =	1,905,149	gal/day	(Proposed Peak / 3.5 peaking factor)
$Q_{proj,peak} =$	6,668,020	gal/day	(Existing Peak + Proposed Flow) x 1.05

Design Capacity, Average

		paoity, Arolago
Project Description		
Friction Method	Manning	
Friction Method	Formula	
Solve For	Normal Depth	
Input Data		
Roughness Coefficient	0.016	
Channel Slope	0.024 ft/ft	
Diameter	6.0 ft	
	98,433,919.0 0 gal/day	
Discharge	0 gai/day	
Results		
Normal Depth	2.2 ft	
Flow Area	9.4 ft ²	
Wetted Perimeter	7.8 ft	
Hydraulic Radius	1.2 ft	
Top Width	5.78 ft	
Critical Depth	3.4 ft	
Percent Full	36.6 %	
Critical Slope	0.005 ft/ft	
Velocity	16.26 ft/s	
Velocity Head	4.11 ft	
Specific Energy	6.30 ft	
Froude Number	2.252	
Maximum Discharge	370,600,806. 23 gal/day	
Discharge Full	344,518,717. 93 gal/day	
Slope Full	0.002 ft/ft	
Flow Type	Supercritical	
GVF Input Data		
Downstream Depth	0.0 ft	
Length	0.0 ft	
Number Of Steps	0	
GVF Output Data		
Upstream Depth	0.0 ft	
Profile Description	N/A	
Profile Headloss	0.00 ft	
Average End Depth Over Rise	0.0 %	
Normal Depth Over Rise	36.6 %	
Downstream Velocity	Infinity ft/s	
Upstream Velocity	Infinity ft/s	
Normal Depth	2.2 ft	
Critical Depth	3.4 ft	
Channel Slope	0.024 ft/ft	
Critical Slope	0.005 ft/ft	

Design Capacity, Peak

	<u> </u>	
Project Description		
Friction Method	Manning Formula	
Solve For	Full Flow Capacity	
Input Data		
Roughness Coefficient	0.016	
Channel Slope	0.024 ft/ft	
Normal Depth	6.0 ft	
Diameter	6.0 ft	
Discharge	344,518,717. 93 gal/day	
Results		
Discharge	344,518,717. 93 gal/day	
Normal Depth	6.0 ft	
Flow Area	28.3 ft ²	
Wetted Perimeter	18.8 ft	
Hydraulic Radius	1.5 ft	
Top Width	0.00 ft	
Critical Depth	5.7 ft	
Percent Full	100.0 %	
Critical Slope	0.021 ft/ft	
Velocity	18.85 ft/s	
Velocity Head	5.52 ft	
Specific Energy Froude Number	11.52 ft	
	(N/A) 370,600,806. gal/day	
Maximum Discharge	23 ^{gai/uay}	
Discharge Full	344,518,717. 93 gal/day	
Slope Full	0.024 ft/ft	
Flow Type	Supercritical	
GVF Input Data		
Downstream Depth	0.0 ft	
Length	0.0 ft	
Number Of Steps	0	
GVF Output Data		
Upstream Depth	0.0 ft	
Profile Description	N/A	
Profile Headloss	0.00 ft	
Average End Depth Over Rise	0.0 %	
Normal Depth Over Rise	100.0 %	
Downstream Velocity	Infinity ft/s	
Upstream Velocity	Infinity ft/s	
Normal Depth	6.0 ft	
	Bentley Systems,	Inc. Haestad Methods Solution

Fifth and Dinwiddie - East - Flow Calcs.fm8 7/20/2021

Bentley Systems, Inc. Haestad Methods Solution Center 27 Siemon Company Drive Suite 200 W Watertown, CT 06795 USA +1-203-755-1666 FlowMaster [10.02.00.01] Page 1 of 7

GVF Output Data		
Critical Depth	5.7 ft	
Channel Slope	0.024 ft/ft	
Critical Slope	0.021 ft/ft	

Existing Flows, Average

		-,
Project Description		
Friction Method	Manning	
	Formula	
Solve For	Normal Depth	
Input Data		
Roughness Coefficient	0.016	
Channel Slope	0.024 ft/ft	
Diameter	6.0 ft	
Discharge	781,000.00 gal/day	
Results		
Normal Depth	0.2 ft	
Flow Area	0.3 ft ²	
Wetted Perimeter	2.3 ft	
Hydraulic Radius	0.1 ft	
Top Width	2.21 ft	
Critical Depth	0.3 ft	
Percent Full	3.5 %	
Critical Slope	0.007 ft/ft	
Velocity	3.85 ft/s	
Velocity Head	0.23 ft	
Specific Energy	0.44 ft	
Froude Number	1.803	
Maximum Discharge	370,600,806. 23 gal/day	
Discharge Full	344,518,717. 93 gal/day	
Slope Full	0.000 ft/ft	
Flow Type	Supercritical	
GVF Input Data		
Downstream Depth	0.0 ft	
Length	0.0 ft	
Number Of Steps	0	
GVF Output Data		
Upstream Depth	0.0 ft	
Profile Description	N/A	
Profile Headloss	0.00 ft	
Average End Depth Over Rise	0.0 %	
Normal Depth Over Rise	3.5 %	
Downstream Velocity	Infinity ft/s	
Upstream Velocity	Infinity ft/s	
Normal Depth	0.2 ft	
Critical Depth	0.3 ft	
Channel Slope	0.024 ft/ft	
Critical Slope	0.007 ft/ft	

Existing Flows, Peak

		_
Project Description		
Friction Mothod	Manning	
Friction Method	Formula	
Solve For	Normal Depth	
Input Data		
Roughness Coefficient	0.016	
Channel Slope	0.024 ft/ft	
Diameter	6.0 ft	
Discharge	6,346,000.00 gal/day	
	3,,,,,,,,	
Results		
Normal Depth	0.6 ft	
Flow Area	1.3 ft ²	
Wetted Perimeter	3.7 ft	
Hydraulic Radius	0.4 ft	
Top Width	3.51 ft	
Critical Depth	0.8 ft	
Percent Full	9.4 %	
Critical Slope	0.005 ft/ft	
Velocity	7.28 ft/s	
Velocity Head	0.82 ft	
Specific Energy	1.39 ft	
Froude Number	2.070	
Maximum Discharge	370,600,806. 23 gal/day	
Discharge Full	344,518,717. 93 gal/day	
Slope Full	0.000 ft/ft	
Flow Type	Supercritical	
GVF Input Data		
·	000	
Downstream Depth	0.0 ft	
Length	0.0 ft	
Number Of Steps	0	
GVF Output Data		
Upstream Depth	0.0 ft	
Profile Description	N/A	
Profile Headloss	0.00 ft	
Average End Depth Over Rise	0.0 %	
Normal Depth Over Rise	9.4 %	
Downstream Velocity	Infinity ft/s	
Upstream Velocity	Infinity ft/s	
Normal Depth	0.6 ft	
Critical Depth	0.8 ft	
Channel Slope	0.024 ft/ft	

Projected Flows in 5 Years, Average

	,	
Project Description		
Friction Method	Manning	
	Formula	
Solve For	Normal Depth	
Input Data		
Roughness Coefficient	0.016	
Channel Slope	0.024 ft/ft	
Diameter	6.0 ft	
Discharge	1,905,149.00 gal/day	
<u>-</u>		
Results		
Normal Depth	0.3 ft	
Flow Area	0.6 ft ²	
Wetted Perimeter	2.8 ft	
Hydraulic Radius	0.2 ft	
Top Width	2.70 ft	
Critical Depth	0.4 ft	
Percent Full	5.3 %	
Critical Slope	0.006 ft/ft	
Velocity	5.06 ft/s	
Velocity Head	0.40 ft	
Specific Energy	0.72 ft	
Froude Number	1.918	
Maximum Discharge	370,600,806. 23 gal/day	
Discharge Full	344,518,717. 93 gal/day	
Slope Full	0.000 ft/ft	
Flow Type	Supercritical	
GVF Input Data		
Downstream Depth	0.0 ft	
Length	0.0 ft	
Number Of Steps	0.0 10	
ויעוווטכו טו אנפףג	U	
GVF Output Data		
Upstream Depth	0.0 ft	
Profile Description	N/A	
Profile Headloss	0.00 ft	
Average End Depth Over Rise	0.0 %	
Normal Depth Over Rise	5.3 %	
Downstream Velocity	Infinity ft/s	
Upstream Velocity	Infinity ft/s	
Normal Depth	0.3 ft	
Critical Depth	0.4 ft	
Channel Slope	0.024 ft/ft	
Critical Slope	0.006 ft/ft	

Projected Flows in 5 Years, Peak

	ojootoao.	oro in o rouro, roun
Project Description		
Friction Method	Manning	
	Formula	
Solve For	Normal Depth	
Input Data		
Roughness Coefficient	0.016	
Channel Slope	0.024 ft/ft	
Diameter	6.0 ft	
Discharge	6,668,020.00 gal/day	
Results		
Normal Depth	0.6 ft	
Flow Area	1.4 ft ²	
Wetted Perimeter	3.8 ft	
Hydraulic Radius	0.4 ft	
Top Width	3.54 ft	
Critical Depth	0.8 ft	
Percent Full	9.6 %	
Critical Slope	0.005 ft/ft	
Velocity	7.39 ft/s	
Velocity Head	0.85 ft	
Specific Energy	1.43 ft	
Froude Number	2.076	
Maximum Discharge	370,600,806. 23 gal/day	
Discharge Full	344,518,717. 93 gal/day	
Slope Full	0.000 ft/ft	
Flow Type	Supercritical	
GVF Input Data		
Downstream Depth	0.0 ft	
Length	0.0 ft	
Number Of Steps	0	
GVF Output Data		
Upstream Depth	0.0 ft	
Profile Description	N/A	
Profile Headloss	0.00 ft	
Average End Depth Over Rise	0.0 %	
Normal Depth Over Rise	9.6 %	
Downstream Velocity	Infinity ft/s	
Upstream Velocity	Infinity ft/s	
Normal Depth	0.6 ft	
Critical Depth	0.8 ft	
•		
Channel Slope Critical Slope	0.024 ft/ft	



SEWER FLOW METERING DATA

MH 002H102

Total Flow

23.438

MG

April 17, 2021 through May 16, 2021

	Line Size:	72	"	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)	
04/17/2021	0.575	3:00 AM	0.526	1:00 PM	0.617	0.00	
04/18/2021	0.597	5:00 AM	0.557	1:00 PM	0.640	0.01	
04/19/2021	0.620	4:00 AM	0.544	12:00 AM	1.033	0.05	
04/20/2021	0.581	3:00 AM	0.536	10:00 PM	0.613	0.00	
04/21/2021	0.657	4:00 AM	0.550	8:00 AM	0.805	0.09	
04/22/2021	0.625	4:00 AM	0.569	6:00 PM	0.658	0.00	
04/23/2021	0.657	3:00 AM	0.599	10:00 AM	0.689	0.00	
04/24/2021	0.743	4:00 AM	0.624	11:00 PM	1.126	0.19	
04/25/2021	0.743	11:00 PM	0.661	2:00 AM	1.111	0.12	
04/26/2021	0.649	3:00 AM	0.608	11:00 AM	0.687	0.00	
04/27/2021	0.649	3:00 AM	0.582	10:00 PM	0.693	0.00	
04/28/2021	0.701	4:00 AM	0.635	9:00 AM	0.788	0.00	
04/29/2021	1.213	3:00 AM	0.631	6:00 PM	6.346	0.77	
04/30/2021	0.726	4:00 AM	0.612	3:00 PM	2.276	0.13	
05/01/2021	0.605	5:00 AM	0.570	11:00 AM	0.637	0.00	
05/02/2021	0.605	5:00 AM	0.545	12:00 PM	0.653	0.00	
05/03/2021	1.068	3:00 AM	0.548	8:00 PM	2.510	0.69	
05/04/2021	0.902	5:00 AM	0.693	1:00 PM	2.225	0.17	
05/05/2021	1.118	4:00 AM	0.693	6:00 AM	3.185	0.39	
05/06/2021	0.717	5:00 AM	0.687	9:00 AM	0.756	0.00	
05/07/2021	0.751	4:00 AM	0.635	10:00 AM	1.142	0.11	
05/08/2021	0.672	5:00 AM	0.618	12:00 PM	0.728	0.01	
05/09/2021	1.800	5:00 AM	0.630	7:00 PM	3.345	1.09	
05/10/2021	0.981	11:00 PM	0.846	12:00 AM	1.280	0.01	
05/11/2021	0.778	11:00 PM	0.729	12:00 AM	0.828	0.00	
05/12/2021	0.722	3:00 AM	0.662	8:00 AM	0.787	0.00	
05/13/2021	0.754	4:00 AM	0.690	9:00 AM	0.799	0.00	
05/14/2021	0.757	3:00 AM	0.694	10:00 AM	0.803	0.00	
05/15/2021	0.743	3:00 AM	0.678	11:00 AM	0.803	0.00	
05/16/2021	0.730	4:00 AM	0.662	1:00 PM	0.791	0.00	
Average	0.781		0.627		1.312		
Minimum	0.575		0.526		0.613	3.83	Total
Maximum	1.800		0.846		6.346		
.ria/.iiTidiff	1.500		0.010		0.0-10		

MH 002H102

April 17, 2021 through May 16, 2021

Inches I		Time	Lland	Valaaitu	April 17, 2021	an ough May	Precip.
04/17/2021 12:00 AM		Time	Head	Velocity	Flow		
1:00 AM			inches	ips	MGD		inches
1:00 AM			4.07	4.00	0.550		0.00
2:00 AM	04/17/2021						
3.00 AM							
4:00 AM							
SOO AM							
6:00 AM							
7:00 AM							
8:00 AM		6:00 AM					
9:00 AM							
10:00 AM							
11:00 AM		9:00 AM					
12:00 PM							
1:00 PM		11:00 AM					
2.00 PM 2.10 3.96 0.608 0.00		12:00 PM			0.613		
3:00 PM		1:00 PM			0.617		
4:00 PM		2:00 PM					
S:00 PM		3:00 PM					
G:00 PM		4:00 PM					
7:00 PM		5:00 PM	2.08	3.94	0.595		0.00
8:00 PM		6:00 PM					
9:00 PM		7:00 PM	2.05	3.92	0.581		0.00
10:00 PM		8:00 PM	2.06	3.92	0.584		0.00
MIN 1.94 3.84 0.526 MIN 0.00 MAX 2.12 4.00 0.617 MAX 0.00 AVE 2.04 3.92 0.575 TOTAL 0.00 0.563 0.00 0.00 0.563 0.00 0.00 0.563 0.00 0.00 0.564 0.00 0.558 0.00 0.564 0.00 0.560 0.00 0.560 0.00 0.560 0.00 0.560 0.00 0.560 0.00 0.560 0.00 0.560 0.00 0.560 0.00 0.560 0.00 0.560 0.00 0.560 0.00 0.560 0.00		9:00 PM	2.07	3.91	0.586		0.00
MIN 1.94 3.84 0.526 MIN 0.00 MAX 2.12 4.00 0.617 MAX 0.00 AVE 2.04 3.92 0.575 TOTAL 0.00 04/18/2021 12:00 AM 2.07 3.84 0.576 0.00 1:00 AM 2.05 3.80 0.563 0.00 2:00 AM 2.06 3.78 0.563 0.00 3:00 AM 2.07 3.76 0.564 0.00 4:00 AM 2.07 3.76 0.564 0.00 6:00 AM 2.10 3.70 0.566 0.00 7:00 AM 2.11 3.73 0.576 0.00 8:00 AM 2.11 3.73 0.576 0.00 9:00 AM 2.12 3.76 0.586 0.00 9:00 AM 2.19 3.83 0.622 0.00 11:00 AM 2.20 3.83 0.628 0.00 11:00 AM 2.21 3.85 0.636 0.00 0.00 11:00 AM 2.18 3.82 0.620 0.00 0.00 3:00 PM 2.18 3.84 0.640 0.00 0.00 3:00 PM 2.16 3.80 0.608 0.000 6:00 PM 2.16 3.80 0.608 0.000 6:00 PM 2.16 3.74 0.596 0.00 0.00 6:00 PM 2.16 3.74 0.596 0.00 0.00 6:00 PM 2.18 3.77 0.611 0.00 8:00 PM 2.19 3.76 0.614 0.00 0.00 9:00 PM 2.19 3.76 0.614 0.00 9:00 PM 2.19 3.76 0.614 0.00 0.00 0.00 0.00 PM 2.15 3.75 0.596 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.		10:00 PM	2.08	3.91	0.590		0.00
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5:00 PM 2.16 3.80 0.608 0.00 6:00 PM 2.16 3.74 0.596 0.00 7:00 PM 2.18 3.77 0.611 0.00 8:00 PM 2.17 3.80 0.611 0.00 9:00 PM 2.19 3.76 0.614 0.00 10:00 PM 2.15 3.75 0.596 0.00 11:00 PM 2.12 3.70 0.576 0.01 MIN 2.05 3.70 0.557 MIN 0.00 MAX 2.22 3.85 0.640 MAX 0.01							
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7:00 PM 2.18 3.77 0.611 0.00 8:00 PM 2.17 3.80 0.611 0.00 9:00 PM 2.19 3.76 0.614 0.00 10:00 PM 2.15 3.75 0.596 0.00 11:00 PM 2.12 3.70 0.576 0.01 MIN 2.05 3.70 0.557 MIN 0.00 MAX 2.22 3.85 0.640 MAX 0.01							
8:00 PM 2.17 3.80 0.611 0.00 9:00 PM 2.19 3.76 0.614 0.00 10:00 PM 2.15 3.75 0.596 0.00 11:00 PM 2.12 3.70 0.576 0.01 MIN 2.05 3.70 0.557 MIN 0.00 MAX 2.22 3.85 0.640 MAX 0.01							
9:00 PM 2.19 3.76 0.614 0.00 10:00 PM 2.15 3.75 0.596 0.00 11:00 PM 2.12 3.70 0.576 0.01 MIN 2.05 3.70 0.557 MIN 0.00 MAX 2.22 3.85 0.640 MAX 0.01							
10:00 PM 2.15 3.75 0.596 0.00 11:00 PM 2.12 3.70 0.576 0.01 MIN 2.05 3.70 0.557 MIN 0.00 MAX 2.22 3.85 0.640 MAX 0.01							
11:00 PM 2.12 3.70 0.576 0.01 MIN 2.05 3.70 0.557 MIN 0.00 MAX 2.22 3.85 0.640 MAX 0.01							
MIN 2.05 3.70 0.557 MIN 0.00 MAX 2.22 3.85 0.640 MAX 0.01							
MAX 2.22 3.85 0.640 MAX 0.01			_	v			
MAX 2.22 3.85 0.640 MAX 0.01		MIN	2.05	3.70	0.557	MIN	0.00
		AVE	2.14	3.78	0.597	TOTAL	0.01

	Time	Head	Velocity	Flow		Precip.
		inches	fps	MGD		inches
						•
04/19/2021	12:00 AM	2.70	4.52	1.033		0.04
	1:00 AM	2.45	4.13	0.801		0.01
	2:00 AM	2.17	3.70	0.594		0.00
	3:00 AM	2.11	3.62	0.556		0.00
	4:00 AM	2.09	3.58	0.544		0.00
	5:00 AM	2.11	3.60	0.556		0.00
	6:00 AM	2.13	3.61	0.567		0.00
	7:00 AM	2.18	3.68	0.595		0.00
	8:00 AM	2.20	3.69	0.606		0.00
	9:00 AM	2.21	3.69	0.610		0.00
	10:00 AM	2.23	3.71	0.620		0.00
	11:00 AM	2.21	3.70	0.613		0.00
	12:00 PM	2.21	3.72	0.614		0.00
	1:00 PM	2.20	3.69	0.608		0.00
	2:00 PM	2.19	3.66	0.598		0.00
	3:00 PM	2.18	3.67	0.595		0.00
	4:00 PM	2.18	3.67	0.594		0.00
	5:00 PM	2.17	3.65	0.586		0.00
	6:00 PM	2.18	3.69	0.599		0.00
	7:00 PM	2.19	3.70	0.602		0.00
	8:00 PM	2.20	3.70	0.605		0.00
	9:00 PM	2.19	3.70	0.605		0.00
	10:00 PM	2.18	3.69	0.598		0.00
	11:00 PM	2.16	3.68	0.588		0.00
	MIN	2.09	3.58	0.544	MIN	0.00
	MAX	2.70	4.52	1.033	MAX	0.04
	AVE	2.21	3.73	0.620	TOTAL	0.05
-						
04/00/0004	10.00 AM	2.12	2.64	0.570		0.00
04/20/2021	12:00 AM	2.13	3.64	0.570		0.00
04/20/2021	1:00 AM	2.10	3.61	0.551		0.00
04/20/2021	1:00 AM 2:00 AM	2.10 2.09	3.61 3.57	0.551 0.545		0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM	2.10 2.09 2.08	3.61 3.57 3.54	0.551 0.545 0.536		0.00 0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM	2.10 2.09 2.08 2.08	3.61 3.57 3.54 3.54	0.551 0.545 0.536 0.536		0.00 0.00 0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM	2.10 2.09 2.08 2.08 2.08	3.61 3.57 3.54 3.54 3.54	0.551 0.545 0.536 0.536 0.536		0.00 0.00 0.00 0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM	2.10 2.09 2.08 2.08 2.08 2.10	3.61 3.57 3.54 3.54 3.54 3.57	0.551 0.545 0.536 0.536 0.536 0.548		0.00 0.00 0.00 0.00 0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM	2.10 2.09 2.08 2.08 2.08 2.10 2.15	3.61 3.57 3.54 3.54 3.54 3.57 3.63	0.551 0.545 0.536 0.536 0.536 0.548 0.576		0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17	3.61 3.57 3.54 3.54 3.54 3.57 3.63 3.63	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586		0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18	3.61 3.57 3.54 3.54 3.54 3.57 3.63 3.63 3.65	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM	2.10 2.09 2.08 2.08 2.10 2.15 2.17 2.18 2.20	3.61 3.57 3.54 3.54 3.54 3.57 3.63 3.63 3.65 3.67	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18 2.20 2.21	3.61 3.57 3.54 3.54 3.54 3.57 3.63 3.63 3.65 3.67 3.70	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601 0.609		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18 2.20 2.21 2.17	3.61 3.57 3.54 3.54 3.57 3.63 3.63 3.65 3.67 3.70 3.66	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601 0.609 0.588		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18 2.20 2.21 2.17 2.18	3.61 3.57 3.54 3.54 3.57 3.63 3.63 3.65 3.67 3.70 3.66 3.67	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601 0.609 0.588 0.593		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18 2.20 2.21 2.17	3.61 3.57 3.54 3.54 3.57 3.63 3.63 3.65 3.67 3.70 3.66	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601 0.609 0.588		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18 2.20 2.21 2.17 2.18 2.19	3.61 3.57 3.54 3.54 3.57 3.63 3.63 3.65 3.67 3.70 3.66 3.67 3.65	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601 0.609 0.588 0.593 0.591		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18 2.20 2.21 2.17 2.18 2.18	3.61 3.57 3.54 3.54 3.57 3.63 3.63 3.65 3.67 3.70 3.66 3.67 3.65 3.65	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601 0.609 0.588 0.593		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM 4:00 PM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18 2.20 2.21 2.17 2.18 2.19 2.19	3.61 3.57 3.54 3.54 3.57 3.63 3.63 3.65 3.67 3.70 3.66 3.67 3.65 3.65 3.66 3.64	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601 0.609 0.588 0.593 0.591 0.599		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18 2.20 2.21 2.17 2.18 2.19 2.19	3.61 3.57 3.54 3.54 3.57 3.63 3.63 3.65 3.67 3.70 3.66 3.67 3.65 3.66 3.64 3.65	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601 0.609 0.588 0.593 0.591 0.599 0.599		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 PM 1:00 PM 2:00 PM 4:00 PM 5:00 PM 6:00 PM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18 2.20 2.21 2.17 2.18 2.19 2.19 2.19	3.61 3.57 3.54 3.54 3.57 3.63 3.63 3.65 3.67 3.66 3.67 3.65 3.66 3.64 3.65 3.67	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601 0.609 0.588 0.593 0.591 0.599 0.592 0.594 0.598		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18 2.20 2.21 2.17 2.18 2.19 2.19 2.19 2.19	3.61 3.57 3.54 3.54 3.57 3.63 3.63 3.65 3.67 3.66 3.67 3.65 3.66 3.64 3.65 3.67 3.65	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601 0.609 0.588 0.593 0.591 0.599 0.592 0.594 0.598		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18 2.20 2.21 2.17 2.18 2.19 2.19 2.19 2.19 2.19 2.19	3.61 3.57 3.54 3.54 3.54 3.57 3.63 3.63 3.65 3.67 3.66 3.67 3.65 3.66 3.64 3.65 3.67 3.68 3.68	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601 0.609 0.588 0.593 0.591 0.599 0.592 0.594 0.598 0.598 0.599		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18 2.20 2.21 2.17 2.18 2.19 2.19 2.19 2.19 2.19 2.19 2.19	3.61 3.57 3.54 3.54 3.54 3.57 3.63 3.63 3.65 3.67 3.66 3.67 3.65 3.66 3.64 3.65 3.67 3.68 3.68	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601 0.609 0.588 0.593 0.591 0.599 0.592 0.594 0.598 0.599 0.596 0.601		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM 1:00 PM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18 2.20 2.21 2.17 2.18 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19	3.61 3.57 3.54 3.54 3.57 3.63 3.63 3.65 3.67 3.66 3.67 3.65 3.66 3.64 3.65 3.67 3.68 3.68 3.68 3.71	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601 0.609 0.588 0.593 0.591 0.599 0.592 0.594 0.598 0.599 0.596 0.601 0.601		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM 1:00 PM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18 2.20 2.21 2.17 2.18 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19	3.61 3.57 3.54 3.54 3.54 3.57 3.63 3.63 3.65 3.67 3.66 3.67 3.65 3.66 3.64 3.65 3.67 3.68 3.63 3.63	0.551 0.545 0.536 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601 0.609 0.588 0.593 0.591 0.599 0.592 0.594 0.598 0.599 0.599 0.599 0.599 0.599 0.594 0.598 0.599 0.598 0.599 0.599 0.594 0.598 0.599 0.599 0.599 0.599 0.594 0.598 0.599 0.	MIN	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/20/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 10:00 AM 11:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM 1:00 PM 1:00 PM 1:00 PM 1:00 PM	2.10 2.09 2.08 2.08 2.08 2.10 2.15 2.17 2.18 2.20 2.21 2.17 2.18 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19	3.61 3.57 3.54 3.54 3.54 3.57 3.63 3.63 3.65 3.67 3.66 3.67 3.65 3.66 3.64 3.65 3.67 3.68 3.63 3.63	0.551 0.545 0.536 0.536 0.536 0.548 0.576 0.586 0.592 0.601 0.609 0.588 0.593 0.591 0.599 0.592 0.594 0.598 0.599 0.596 0.601 0.613 0.594	MIN MAX TOTAL	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0

	Time	Head	Velocity	Flow		Precip.
		inches	fps	MGD		inches
•						
04/21/2021	12:00 AM	2.15	3.63	0.577		0.00
	1:00 AM	2.13	3.57	0.560		0.00
	2:00 AM	2.12	3.55	0.551		0.00
	3:00 AM	2.12	3.57	0.553		0.00
	4:00 AM	2.13	3.52	0.550		0.00
	5:00 AM	2.14	3.53	0.555		0.00
	6:00 AM	2.16	3.59	0.575		0.00
	7:00 AM	2.27	3.74	0.646		0.05
	8:00 AM	2.51	4.03	0.805		0.04
	9:00 AM	2.44 2.44	3.90 3.89	0.746 0.748		0.00 0.00
	10:00 AM	2.44	3.90	0.748		0.00
	11:00 AM	2.43	3.81	0.743		0.00
	12:00 PM	2.27				0.00
	1:00 PM 2:00 PM	2.27	3.73 3.72	0.643 0.638		0.00
	3:00 PM	2.28	3.74	0.647		0.00
	4:00 PM	2.25	3.81	0.692		0.00
	5:00 PM	2.33	3.87	0.092		0.00
	6:00 PM	2.43	3.87	0.728		0.00
	7:00 PM	2.43	3.88	0.739		0.00
	8:00 PM	2.43	3.88	0.739		0.00
	9:00 PM	2.30	3.74	0.656		0.00
	10:00 PM	2.26	3.70	0.634		0.00
	11:00 PM	2.23	3.66	0.614		0.00
	11.0011	2.20	0.00	0.011		0.00
	MIN	2.12	3.52	0.550	MIN	0.00
	MAX	2.51	4.03	0.805	MAX	0.05
	AVE	2.29	3.74	0.657	TOTAL	0.09
						0.00
		0.00		0 000		
04/22/2021	12:00 AM	2.22	3.65	0.606		0.00
04/22/2021	1:00 AM	2.17	3.61	0.580		0.00
04/22/2021	1:00 AM 2:00 AM	2.17 2.15	3.61 3.61	0.580 0.574		0.00 0.00
04/22/2021	1:00 AM 2:00 AM 3:00 AM	2.17 2.15 2.15	3.61 3.61 3.59	0.580 0.574 0.569		0.00 0.00 0.00
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM	2.17 2.15 2.15 2.15	3.61 3.61 3.59 3.58	0.580 0.574 0.569 0.569		0.00 0.00 0.00 0.00
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM	2.17 2.15 2.15 2.15 2.15	3.61 3.61 3.59 3.58 3.61	0.580 0.574 0.569 0.569 0.572		0.00 0.00 0.00 0.00 0.00
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM	2.17 2.15 2.15 2.15 2.15 2.17	3.61 3.61 3.59 3.58 3.61 3.62	0.580 0.574 0.569 0.569 0.572 0.583		0.00 0.00 0.00 0.00 0.00 0.00
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM	2.17 2.15 2.15 2.15 2.15 2.15 2.17 2.22	3.61 3.61 3.59 3.58 3.61 3.62 3.69	0.580 0.574 0.569 0.569 0.572 0.583 0.614		0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM	2.17 2.15 2.15 2.15 2.15 2.17 2.22 2.27	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644		0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM	2.17 2.15 2.15 2.15 2.15 2.17 2.22 2.27 2.26	3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM	2.17 2.15 2.15 2.15 2.15 2.17 2.22 2.27 2.26 2.28	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.78	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM	2.17 2.15 2.15 2.15 2.15 2.17 2.22 2.27 2.26 2.28 2.25	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.78 3.77	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643 0.654 0.642		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM	2.17 2.15 2.15 2.15 2.15 2.17 2.22 2.27 2.26 2.28 2.25 2.26	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.78 3.77 3.76	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643 0.654 0.642 0.641		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM	2.17 2.15 2.15 2.15 2.15 2.17 2.22 2.27 2.26 2.28 2.25 2.26 2.25	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.78 3.77 3.76 3.77	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643 0.654 0.642 0.641		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM	2.17 2.15 2.15 2.15 2.17 2.22 2.27 2.26 2.28 2.25 2.26 2.25 2.25	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.78 3.77 3.76 3.77	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643 0.654 0.642 0.641 0.642		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM	2.17 2.15 2.15 2.15 2.17 2.22 2.27 2.26 2.28 2.25 2.25 2.25 2.25	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.78 3.77 3.76 3.77 3.75 3.76	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643 0.654 0.642 0.641 0.642 0.638		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM 4:00 PM	2.17 2.15 2.15 2.15 2.17 2.21 2.27 2.26 2.28 2.25 2.25 2.25 2.25 2.25	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.78 3.77 3.76 3.77 3.75 3.76 3.76	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643 0.654 0.642 0.641 0.642 0.638 0.638		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM	2.17 2.15 2.15 2.15 2.17 2.21 2.27 2.26 2.28 2.25 2.25 2.25 2.25 2.25 2.25	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.77 3.76 3.77 3.75 3.76 3.76 3.76 3.76	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643 0.654 0.642 0.641 0.642 0.638 0.638 0.639 0.645		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM	2.17 2.15 2.15 2.15 2.17 2.21 2.27 2.26 2.28 2.25 2.25 2.25 2.25 2.26 2.28	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.77 3.76 3.77 3.75 3.76 3.76 3.78 3.77	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643 0.654 0.642 0.641 0.642 0.638 0.638 0.639 0.645		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 9:00 AM 10:00 AM 11:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM	2.17 2.15 2.15 2.15 2.17 2.21 2.27 2.26 2.28 2.25 2.25 2.25 2.25 2.26 2.28 2.27	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.77 3.76 3.77 3.75 3.76 3.77 3.75 3.76 3.78 3.79 3.78	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643 0.654 0.642 0.641 0.642 0.638 0.638 0.638 0.639 0.645 0.658		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 9:00 AM 10:00 AM 11:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM	2.17 2.15 2.15 2.15 2.17 2.21 2.27 2.26 2.28 2.25 2.25 2.25 2.25 2.26 2.28 2.27 2.26	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.77 3.76 3.77 3.75 3.76 3.76 3.78 3.79 3.78	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643 0.654 0.642 0.641 0.642 0.638 0.638 0.639 0.645 0.658 0.650 0.647		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 9:00 AM 10:00 AM 11:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM	2.17 2.15 2.15 2.15 2.15 2.17 2.22 2.27 2.26 2.28 2.25 2.25 2.25 2.25 2.26 2.28 2.27 2.26 2.28 2.27	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.77 3.76 3.77 3.75 3.76 3.78 3.79 3.78 3.79	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643 0.654 0.642 0.641 0.642 0.638 0.638 0.638 0.639 0.645 0.658 0.650 0.647		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 9:00 AM 10:00 AM 11:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM	2.17 2.15 2.15 2.15 2.17 2.21 2.27 2.26 2.28 2.25 2.25 2.25 2.25 2.26 2.28 2.27 2.26	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.77 3.76 3.77 3.75 3.76 3.76 3.78 3.79 3.78	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643 0.654 0.642 0.641 0.642 0.638 0.638 0.639 0.645 0.658 0.650 0.647		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 10:00 AM 11:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM 1:00 PM	2.17 2.15 2.15 2.15 2.17 2.21 2.27 2.26 2.28 2.25 2.25 2.25 2.26 2.28 2.27 2.26 2.28 2.27 2.26 2.28 2.27 2.26 2.28 2.27 2.26 2.28 2.27 2.26 2.28 2.27	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.77 3.76 3.77 3.75 3.76 3.78 3.79 3.78 3.78 3.79 3.78	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643 0.654 0.642 0.641 0.642 0.638 0.638 0.639 0.645 0.658 0.650 0.647 0.655 0.655		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 10:00 AM 11:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM 1:00 PM	2.17 2.15 2.15 2.15 2.15 2.17 2.22 2.27 2.26 2.28 2.25 2.25 2.25 2.26 2.28 2.27 2.26 2.28 2.27 2.26 2.28 2.27 2.26 2.28 2.27 2.26 2.28 2.27 2.26 2.28 2.27	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.77 3.76 3.77 3.75 3.76 3.78 3.79 3.78 3.78 3.79 3.78	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643 0.654 0.642 0.641 0.642 0.638 0.638 0.639 0.645 0.658 0.650 0.647 0.655 0.655	MIN	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
04/22/2021	1:00 AM 2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 9:00 AM 10:00 AM 11:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM 9:00 PM 11:00 PM	2.17 2.15 2.15 2.15 2.17 2.21 2.27 2.26 2.28 2.25 2.25 2.25 2.26 2.28 2.27 2.26 2.28 2.27 2.26 2.28 2.27 2.26 2.28 2.27	3.61 3.61 3.59 3.58 3.61 3.62 3.69 3.74 3.76 3.77 3.76 3.77 3.75 3.76 3.78 3.79 3.78 3.78 3.79 3.78 3.79 3.78 3.79	0.580 0.574 0.569 0.569 0.572 0.583 0.614 0.644 0.643 0.654 0.642 0.641 0.642 0.638 0.638 0.638 0.639 0.645 0.658 0.655 0.655 0.655 0.655	MIN MAX	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0

	Time	Head	Velocity	Flow		Precip.
		inches	fps	MGD		inches
_						
04/23/2021	12:00 AM	2.24	3.69	0.621		0.00
	1:00 AM	2.24	3.68	0.620		0.00
	2:00 AM	2.22	3.66	0.608		0.00
	3:00 AM	2.21	3.61	0.599		0.00
	4:00 AM	2.22	3.62	0.602		0.00
	5:00 AM	2.23	3.63	0.609		0.00
	6:00 AM	2.26	3.64	0.621		0.00
	7:00 AM	2.31	3.72	0.658		0.00
	8:00 AM	2.33	3.71	0.663		0.00
	9:00 AM	2.36	3.76	0.685		0.00
	10:00 AM	2.37	3.75	0.689		0.00
	11:00 AM	2.37	3.74	0.689		0.00
	12:00 PM	2.36	3.76	0.685		0.00
	1:00 PM	2.36	3.76	0.683		0.00
	2:00 PM	2.31	3.71	0.656		0.00
	3:00 PM 4:00 PM	2.33 2.35	3.71 3.71	0.664 0.671		0.00 0.00
		2.34	3.72	0.669		0.00
	5:00 PM 6:00 PM	2.34	3.72	0.676		0.00
	7:00 PM	2.37	3.72	0.680		0.00
	8:00 PM	2.36	3.70	0.675		0.00
	9:00 PM	2.38	3.72	0.673		0.00
	10:00 PM	2.37	3.67	0.674		0.00
	11:00 PM	2.37	3.68	0.675		0.00
	11.00 1 W	2.01	0.00	0.070		0.00
	MIN	2.21	3.61	0.599	MIN	0.00
	MAX	2.38	3.76	0.689	MAX	0.00
	AVE	2.32	3.70	0.657	TOTAL	0.00
		2.05	0.05			0.00
04/24/2021	12:00 AM	2.35	3.65	0.662		0.00
	1:00 AM	2.32	3.60	0.641		0.00
	2:00 AM	2.31	3.55	0.626		0.00
	3:00 AM	2.33	3.56	0.636		0.00
	4:00 AM	2.32	3.52	0.624		0.00
	5 00 AAA	0.00	2.50	0.607		$\alpha \alpha \alpha$
	5:00 AM	2.33	3.50	0.627		0.00
	6:00 AM	2.36	3.53	0.643		0.00
	6:00 AM 7:00 AM	2.36 2.41	3.53 3.55	0.643 0.666		0.00 0.00
	6:00 AM 7:00 AM 8:00 AM	2.36 2.41 2.45	3.53 3.55 3.60	0.643 0.666 0.692		0.00 0.00 0.00
	6:00 AM 7:00 AM 8:00 AM 9:00 AM	2.36 2.41 2.45 2.48	3.53 3.55 3.60 3.65	0.643 0.666 0.692 0.716		0.00 0.00 0.00 0.00
	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM	2.36 2.41 2.45 2.48 2.53	3.53 3.55 3.60 3.65 3.71	0.643 0.666 0.692 0.716 0.751		0.00 0.00 0.00 0.00 0.00
	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM	2.36 2.41 2.45 2.48 2.53 2.51	3.53 3.55 3.60 3.65 3.71 3.71	0.643 0.666 0.692 0.716 0.751 0.743		0.00 0.00 0.00 0.00 0.00 0.00
	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM	2.36 2.41 2.45 2.48 2.53 2.51 2.51	3.53 3.55 3.60 3.65 3.71 3.71 3.69	0.643 0.666 0.692 0.716 0.751 0.743 0.739		0.00 0.00 0.00 0.00 0.00 0.00 0.00
	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM	2.36 2.41 2.45 2.48 2.53 2.51 2.51 2.49	3.53 3.55 3.60 3.65 3.71 3.71 3.69 3.67	0.643 0.666 0.692 0.716 0.751 0.743 0.739 0.723		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM	2.36 2.41 2.45 2.48 2.53 2.51 2.51 2.49 2.49	3.53 3.55 3.60 3.65 3.71 3.71 3.69 3.67 3.65	0.643 0.666 0.692 0.716 0.751 0.743 0.739 0.723 0.719		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM	2.36 2.41 2.45 2.48 2.53 2.51 2.51 2.49 2.49	3.53 3.55 3.60 3.65 3.71 3.71 3.69 3.67 3.65 3.66	0.643 0.666 0.692 0.716 0.751 0.743 0.739 0.723 0.719		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM	2.36 2.41 2.45 2.48 2.53 2.51 2.51 2.49 2.49 2.47	3.53 3.55 3.60 3.65 3.71 3.71 3.69 3.67 3.65 3.66	0.643 0.666 0.692 0.716 0.751 0.743 0.739 0.723 0.719 0.714		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM	2.36 2.41 2.45 2.48 2.53 2.51 2.51 2.49 2.49 2.47 2.47	3.53 3.55 3.60 3.65 3.71 3.71 3.69 3.67 3.65 3.66 3.66 3.64	0.643 0.666 0.692 0.716 0.751 0.743 0.739 0.723 0.719 0.714 0.714		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM	2.36 2.41 2.45 2.48 2.53 2.51 2.51 2.49 2.49 2.47 2.47 2.47	3.53 3.55 3.60 3.65 3.71 3.71 3.69 3.67 3.65 3.66 3.66 3.64 3.67	0.643 0.666 0.692 0.716 0.751 0.743 0.739 0.723 0.719 0.714 0.709 0.731		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM	2.36 2.41 2.45 2.48 2.53 2.51 2.51 2.49 2.49 2.47 2.47 2.47 2.50 2.66	3.53 3.55 3.60 3.65 3.71 3.71 3.69 3.67 3.65 3.66 3.66 3.64 3.67 3.81	0.643 0.666 0.692 0.716 0.751 0.743 0.739 0.723 0.719 0.714 0.709 0.731 0.829		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM	2.36 2.41 2.45 2.48 2.53 2.51 2.51 2.49 2.47 2.47 2.47 2.50 2.66 2.67	3.53 3.55 3.60 3.65 3.71 3.71 3.69 3.67 3.65 3.66 3.66 3.64 3.67 3.81 3.82	0.643 0.666 0.692 0.716 0.751 0.743 0.739 0.723 0.719 0.714 0.709 0.731 0.829 0.840		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM	2.36 2.41 2.45 2.48 2.53 2.51 2.51 2.49 2.47 2.47 2.47 2.50 2.66 2.67 2.79	3.53 3.55 3.60 3.65 3.71 3.71 3.69 3.67 3.65 3.66 3.66 3.64 3.67 3.81 3.82 3.91	0.643 0.666 0.692 0.716 0.751 0.743 0.739 0.723 0.719 0.714 0.709 0.731 0.829 0.840 0.916		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM	2.36 2.41 2.45 2.48 2.53 2.51 2.51 2.49 2.47 2.47 2.47 2.50 2.66 2.67 2.79 3.00	3.53 3.55 3.60 3.65 3.71 3.71 3.69 3.67 3.65 3.66 3.64 3.67 3.81 3.82 3.91 4.03	0.643 0.666 0.692 0.716 0.751 0.743 0.739 0.723 0.719 0.714 0.709 0.731 0.829 0.840 0.916 1.052		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM	2.36 2.41 2.45 2.48 2.53 2.51 2.51 2.49 2.47 2.47 2.47 2.50 2.66 2.67 2.79	3.53 3.55 3.60 3.65 3.71 3.71 3.69 3.67 3.65 3.66 3.66 3.64 3.67 3.81 3.82 3.91	0.643 0.666 0.692 0.716 0.751 0.743 0.739 0.723 0.719 0.714 0.709 0.731 0.829 0.840 0.916		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Γ	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM	2.36 2.41 2.45 2.48 2.53 2.51 2.51 2.49 2.47 2.47 2.47 2.50 2.66 2.67 2.79 3.00	3.53 3.55 3.60 3.65 3.71 3.71 3.69 3.67 3.65 3.66 3.64 3.67 3.81 3.82 3.91 4.03	0.643 0.666 0.692 0.716 0.751 0.743 0.739 0.723 0.719 0.714 0.709 0.731 0.829 0.840 0.916 1.052	MIN	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM 10:00 PM	2.36 2.41 2.45 2.48 2.53 2.51 2.51 2.49 2.47 2.47 2.47 2.50 2.66 2.67 2.79 3.00 3.07	3.53 3.55 3.60 3.65 3.71 3.71 3.69 3.67 3.65 3.66 3.64 3.67 3.81 3.82 3.91 4.03 4.17	0.643 0.666 0.692 0.716 0.751 0.743 0.739 0.723 0.719 0.714 0.709 0.731 0.829 0.840 0.916 1.052 1.126	MIN MAX	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.02 0.01 0.02 0.05 0.04

	Time	Head	Velocity	Flow		Precip.
		inches	fps	MGD		inches
•						
04/25/2021	12:00 AM	2.96	3.97	1.013		0.04
	1:00 AM	2.96	4.01	1.025		0.03
	2:00 AM	3.03	4.17	1.111		0.03
	3:00 AM	2.78	3.76	0.877		0.01
	4:00 AM	2.64	3.58	0.772		0.01
	5:00 AM	2.50	3.45	0.686		0.00
	6:00 AM	2.47	3.43	0.668		0.00
	7:00 AM	2.47	3.43	0.669		0.00
	8:00 AM	2.50	3.47	0.690		0.00
	9:00 AM	2.52	3.50	0.705		0.00
	10:00 AM	2.52	3.52	0.706		0.00
	11:00 AM	2.51	3.53	0.703		0.00
	12:00 PM	2.49	3.55	0.701		0.00
	1:00 PM	2.47	3.57	0.697		0.00
	2:00 PM	2.49	3.56	0.702		0.00
	3:00 PM	2.46	3.55	0.689		0.00
	4:00 PM	2.44	3.54	0.679		0.00
	5:00 PM	2.44	3.56	0.684		0.00
	6:00 PM	2.44	3.57	0.683		0.00
	7:00 PM	2.43	3.59	0.686		0.00
	8:00 PM	2.41	3.57	0.670		0.00
	9:00 PM	2.43	3.61	0.688		0.00
	10:00 PM	2.40	3.60	0.672		0.00
	11:00 PM	2.39	3.57	0.661		0.00
	MIN	2.39	3.43	0.661	MIN	0.00
	MAX	3.03	4.17	1.111	MAX	0.04
L	AVE	2.55	3.61	0.743	TOTAL	0.12
04/06/0004	12.00 AM	2.35	3.54	0.640		0.00
04/26/2021	12:00 AM	2.34	3.50	0.632		0.00
	1:00 AM					0.00
	2:00 AM	2.32	3.47 3.44	0.618		
	3:00 AM	2.31	3.44	0.608		0.00
	3:00 AM 4:00 AM	2.31 2.32	3.44 3.45	0.608 0.614		0.00 0.00
	3:00 AM 4:00 AM 5:00 AM	2.31 2.32 2.32	3.44 3.45 3.47	0.608 0.614 0.617		0.00 0.00 0.00
	3:00 AM 4:00 AM 5:00 AM 6:00 AM	2.31 2.32 2.32 2.33	3.44 3.45 3.47 3.49	0.608 0.614 0.617 0.626		0.00 0.00 0.00 0.00
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM	2.31 2.32 2.32 2.33 2.39	3.44 3.45 3.47 3.49 3.54	0.608 0.614 0.617 0.626 0.657		0.00 0.00 0.00 0.00 0.00
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM	2.31 2.32 2.32 2.33 2.39 2.41	3.44 3.45 3.47 3.49 3.54 3.57	0.608 0.614 0.617 0.626 0.657 0.671		0.00 0.00 0.00 0.00 0.00 0.00
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM	2.31 2.32 2.32 2.33 2.39 2.41 2.40	3.44 3.45 3.47 3.49 3.54 3.57 3.58	0.608 0.614 0.617 0.626 0.657 0.671 0.670		0.00 0.00 0.00 0.00 0.00 0.00 0.00
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM	2.31 2.32 2.32 2.33 2.39 2.41 2.40 2.42	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59	0.608 0.614 0.617 0.626 0.657 0.671 0.670		0.00 0.00 0.00 0.00 0.00 0.00 0.00
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM	2.31 2.32 2.32 2.33 2.39 2.41 2.40 2.42 2.43	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59 3.61	0.608 0.614 0.617 0.626 0.657 0.671 0.670		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM	2.31 2.32 2.32 2.33 2.39 2.41 2.40 2.42	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59	0.608 0.614 0.617 0.626 0.657 0.671 0.670 0.679		0.00 0.00 0.00 0.00 0.00 0.00 0.00
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM	2.31 2.32 2.32 2.33 2.39 2.41 2.40 2.42 2.43 2.38	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59 3.61 3.60	0.608 0.614 0.617 0.626 0.657 0.671 0.670 0.679 0.687 0.665		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM	2.31 2.32 2.32 2.33 2.39 2.41 2.40 2.42 2.43 2.38 2.40	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59 3.61 3.60 3.62	0.608 0.614 0.617 0.626 0.657 0.671 0.670 0.679 0.687 0.665 0.674		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM	2.31 2.32 2.32 2.33 2.39 2.41 2.40 2.42 2.43 2.38 2.40 2.37	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59 3.61 3.60 3.62 3.60	0.608 0.614 0.617 0.626 0.657 0.671 0.670 0.679 0.687 0.665 0.674 0.659		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM	2.31 2.32 2.32 2.33 2.39 2.41 2.40 2.42 2.43 2.38 2.40 2.37 2.37	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59 3.61 3.60 3.62 3.60 3.62	0.608 0.614 0.617 0.626 0.657 0.671 0.670 0.679 0.687 0.665 0.674 0.659 0.663		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM 4:00 PM	2.31 2.32 2.32 2.33 2.39 2.41 2.40 2.42 2.43 2.38 2.40 2.37 2.37 2.33	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59 3.61 3.60 3.62 3.60 3.62 3.61	0.608 0.614 0.617 0.626 0.657 0.671 0.670 0.679 0.687 0.665 0.674 0.659 0.663 0.645		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM	2.31 2.32 2.32 2.33 2.39 2.41 2.40 2.42 2.43 2.38 2.40 2.37 2.37 2.33 2.33	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59 3.61 3.60 3.62 3.60 3.62 3.61 3.63	0.608 0.614 0.617 0.626 0.657 0.671 0.670 0.679 0.687 0.665 0.674 0.659 0.663 0.645		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM	2.31 2.32 2.32 2.33 2.39 2.41 2.40 2.42 2.43 2.38 2.40 2.37 2.37 2.33 2.33 2.35	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59 3.61 3.60 3.62 3.60 3.62 3.61 3.63 3.61	0.608 0.614 0.617 0.626 0.657 0.671 0.670 0.679 0.687 0.665 0.674 0.659 0.663 0.645 0.651		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM	2.31 2.32 2.32 2.33 2.39 2.41 2.40 2.42 2.43 2.38 2.40 2.37 2.37 2.33 2.33 2.35 2.34	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59 3.61 3.60 3.62 3.60 3.62 3.61 3.63 3.61 3.61	0.608 0.614 0.617 0.626 0.657 0.671 0.670 0.679 0.687 0.665 0.674 0.659 0.663 0.645 0.651 0.654 0.652		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 7:00 PM 8:00 PM	2.31 2.32 2.32 2.33 2.39 2.41 2.40 2.42 2.43 2.38 2.40 2.37 2.37 2.33 2.33 2.35 2.34	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59 3.61 3.60 3.62 3.60 3.62 3.61 3.63 3.61 3.61 3.61	0.608 0.614 0.617 0.626 0.657 0.671 0.670 0.679 0.687 0.665 0.674 0.659 0.663 0.645 0.651 0.654 0.652 0.649		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM	2.31 2.32 2.32 2.33 2.39 2.41 2.40 2.42 2.43 2.38 2.40 2.37 2.37 2.33 2.33 2.35 2.34 2.34	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59 3.61 3.60 3.62 3.60 3.62 3.61 3.63 3.61 3.61 3.61 3.63	0.608 0.614 0.617 0.626 0.657 0.671 0.670 0.679 0.687 0.665 0.674 0.659 0.663 0.645 0.651 0.654 0.652 0.649 0.657		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 7:00 PM 8:00 PM 9:00 PM 1:00 PM	2.31 2.32 2.32 2.33 2.39 2.41 2.40 2.42 2.43 2.38 2.40 2.37 2.37 2.33 2.33 2.35 2.34 2.34 2.35 2.33	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59 3.61 3.60 3.62 3.60 3.62 3.61 3.63 3.61 3.61 3.63 3.63	0.608 0.614 0.617 0.626 0.657 0.671 0.670 0.679 0.687 0.665 0.674 0.659 0.663 0.645 0.651 0.654 0.652 0.649 0.657 0.652		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 7:00 PM 8:00 PM 9:00 PM 1:00 PM	2.31 2.32 2.32 2.33 2.39 2.41 2.40 2.42 2.43 2.38 2.40 2.37 2.37 2.33 2.33 2.35 2.34 2.34 2.35 2.33 2.35 2.33	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59 3.61 3.60 3.62 3.60 3.62 3.61 3.63 3.61 3.61 3.63 3.63	0.608 0.614 0.617 0.626 0.657 0.671 0.670 0.679 0.687 0.665 0.674 0.659 0.663 0.645 0.651 0.654 0.652 0.649 0.657 0.652	MIN	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 PM 1:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM 11:00 PM	2.31 2.32 2.33 2.39 2.41 2.40 2.42 2.43 2.38 2.40 2.37 2.37 2.37 2.33 2.33 2.35 2.34 2.34 2.35 2.33 2.35	3.44 3.45 3.47 3.49 3.54 3.57 3.58 3.59 3.61 3.60 3.62 3.60 3.62 3.61 3.63 3.61 3.63 3.63 3.63 3.63	0.608 0.614 0.617 0.626 0.657 0.671 0.670 0.679 0.687 0.665 0.674 0.659 0.663 0.645 0.651 0.654 0.652 0.649 0.657 0.652 0.635	MIN MAX	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0

	Time	Head	Velocity	Flow		Precip.
		inches	fps	MGD		inches
			· ·			
04/27/2021	12:00 AM	2.27	3.58	0.617		0.00
	1:00 AM	2.27	3.55	0.610		0.00
	2:00 AM	2.24	3.51	0.592		0.00
	3:00 AM	2.22	3.50	0.582		0.00
	4:00 AM	2.23	3.49	0.584		0.00
	5:00 AM	2.24	3.50	0.590		0.00
	6:00 AM	2.26	3.51	0.599		0.00
	7:00 AM	2.32	3.57	0.636		0.00
	8:00 AM	2.35	3.63	0.659		0.00
	9:00 AM	2.34	3.60	0.648		0.00
	10:00 AM	2.36	3.62	0.662		0.00
	11:00 AM	2.36	3.63	0.662		0.00
	12:00 PM	2.37	3.63	0.665		0.00
	1:00 PM	2.40	3.67	0.685		0.00
	2:00 PM	2.39	3.63	0.672		0.00
	3:00 PM	2.39	3.59	0.667		0.00
	4:00 PM	2.38	3.60	0.665		0.00
	5:00 PM	2.41	3.61	0.681		0.00
	6:00 PM	2.40	3.60	0.674		0.00
	7:00 PM	2.42	3.57	0.673		0.00
	8:00 PM	2.41	3.57	0.672		0.00
	9:00 PM	2.44	3.59	0.686		0.00
	10:00 PM	2.46	3.58	0.693		0.00
	11:00 PM	2.46	3.56	0.692		0.00
	MIN	2.22	3.49	0.582	MIN	0.00
	MAX	2.46	3.67	0.693	MAX	0.00
	AVE	2.35	3.58	0.649	TOTAL	0.00
04/28/2021	12:00 AM	2.44	3.52	0.672		0.00
	1:00 AM	2.40	3.48	0.651		0.00
	2:00 AM	2.39	3.48	0.644		0.00
	3:00 AM	2.38	3.47	0.642		0.00
	4:00 AM	2.38	3.44	0.635		0.00
	5:00 AM	2.41	3.46	0.650		0.00
	6:00 AM	2.43	3.47	0.662		0.00
	7:00 AM	2.47	3.52	0.686		0.00
	8:00 AM	2.59	3.67	0.772		0.00
	9:00 AM	2.63	3.66	0.788		0.00
	10:00 AM	2.58	3.59	0.750		0.00
	11:00 AM	2.56	3.58	0.736 0.735		0.00
	12:00 PM	2.56 2.53	3.57 3.56	0.735		0.00 0.00
	1:00 PM 2:00 PM	2.53	3.55	0.719		0.00
	3:00 PM	2.53	3.54	0.719		0.00
	4:00 PM	2.51	3.54	0.708		0.00
	5:00 PM	2.49	3.54	0.700		0.00
	6:00 PM	2.49	3.55	0.700		0.00
	7:00 PM	2.51	3.56	0.702		0.00
	8:00 PM	2.51	3.57	0.715		0.00
	9:00 PM	2.52	3.59	0.713		0.00
	10:00 PM	2.50	3.56	0.720		0.00
	11:00 PM	2.46	3.55	0.689		0.00
	1 1.50 1 IVI	2.70	5.55	0.000		5.00
	MIN	2.38	3.44	0.635	MIN	0.00
	MAX	2.63	3.67	0.788	MAX	0.00
	AVE	2.49	3.54	0.701	TOTAL	0.00

	Time	Head	Velocity	Flow		Precip.
		inches	fps	MGD		inches
l						
04/29/2021	12:00 AM	2.44	3.52	0.673		0.00
	1:00 AM	2.41	3.48	0.655		0.00
	2:00 AM	2.40	3.47	0.647		0.00
	3:00 AM	2.37	3.43	0.631		0.00
	4:00 AM	2.39	3.44	0.641		0.00
	5:00 AM	2.40	3.45	0.643		0.00
	6:00 AM	2.41	3.49	0.658		0.00
	7:00 AM	2.47	3.53	0.687		0.01
	8:00 AM	2.66	3.78	0.824		0.02
	9:00 AM	2.83	3.99	0.963		0.06
	10:00 AM	3.29	4.62	1.425		0.12
	11:00 AM	3.00	4.80	1.260		0.05
	12:00 PM	2.67	4.37	0.955		0.05
	1:00 PM	2.47	4.11	0.803		0.00
	2:00 PM	2.30	3.88	0.683		0.00
	3:00 PM	2.26	3.82	0.653		0.00
	4:00 PM	2.24	3.84	0.647		0.00
	5:00 PM	2.66	4.24	1.252		0.11
	6:00 PM	5.78	8.70	6.346		0.26
	7:00 PM	4.97	7.58	4.193		0.09
	8:00 PM	2.93	5.35	1.371		0.00
	9:00 PM	2.43	4.85	0.922		0.00
	10:00 PM	2.31	4.65	0.821		0.00
	11:00 PM	2.24	4.50	0.758		0.00
	=					
	MIN	2.24	3.43	0.631	MIN	0.00
	MAX	5.78	8.70	6.346	MAX	0.26
	AVE	2.76	4.37	1.213	TOTAL	0.77
04/30/2021	12:00 AM	2.18	4.42	0.715		0.00
	1:00 AM	2.13	4.37	0.684		0.00
	2:00 AM	2.08	4.31	0.653		0.00
	3:00 AM	2.06	4.24	0.629		0.00
	4:00 AM	2.03	4.21	0.612		0.00
	5:00 AM	2.03	4.22	0.615		0.00
	6:00 AM	2.05	4.26	0.627		0.00
	7:00 AM	2.07	4.32	0.647		0.00
	8:00 AM	2.09	4.36	0.665		0.00
	9:00 AM	2.08	4.37	0.660		0.00
	10:00 AM	2.06	4.33	0.644		0.00
	11:00 AM	2.05	4.35	0.643		0.00
	12:00 PM	2.05	4.39	0.650		0.00
	1:00 PM	2.04	4.34	0.635		0.00
	2:00 PM 3:00 PM	2.04 3.62	4.38 6.23	0.644 2.276		0.05 0.08
		3.62 2.41	6.23 4.96	0.950		0.00
	4:00 PM 5:00 PM	2.41	4.96 4.51	0.950		0.00
	6:00 PM	2.06	4.45	0.652		0.00
	7:00 PM	2.04	4.43	0.640		0.00
	7:00 PM 8:00 PM	2.02	4.41	0.638		0.00
	9:00 PM	2.02	4.42 4.42	0.633		0.00
	9:00 PM 10:00 PM	2.01	4.42	0.624		0.00
	11:00 PM	1.99	4.39	0.616		0.00
	I I.OU FIVI	1.33	7.01	0.010		0.00
	MIN	1.99	4.21	0.612	MIN	0.00
	MAX	3.62	6.23	2.276	MAX	0.00
	AVE	2.13	4.46	0.726	TOTAL	0.13
	, 	2.10	0	J., 20	IOIAL	0.10

	Time	Head	Velocity	Flow		Precip.
		inches	fps	MGD		inches
05/04/0004	40.00.414	1.00	4.00	0.607		0.00
05/01/2021	12:00 AM 1:00 AM	1.98 1.97	4.32 4.28	0.607 0.596		0.00 0.00
	2:00 AM	1.96	4.25	0.589		0.00
	3:00 AM	1.95	4.20	0.575		0.00
	4:00 AM	1.95	4.19	0.573		0.00
	5:00 AM	1.94	4.17	0.570		0.00
	6:00 AM	1.94	4.19	0.572		0.00
	7:00 AM	1.98	4.28	0.600		0.00
	8:00 AM	2.00	4.36	0.620		0.00
	9:00 AM	2.00	4.39	0.628		0.00
	10:00 AM	2.00	4.44	0.633		0.00
	11:00 AM	2.01	4.44	0.637		0.00
	12:00 PM	2.00	4.44	0.631		0.00
	1:00 PM	1.99	4.40	0.625		0.00
	2:00 PM	1.96	4.39	0.608		0.00
	3:00 PM	1.96 1.05	4.40	0.606		0.00
	4:00 PM 5:00 PM	1.95 1.96	4.40 4.41	0.605 0.608		0.00 0.00
	6:00 PM	1.95	4.41	0.601		0.00
	7:00 PM	1.96	4.37	0.604		0.00
	8:00 PM	1.95	4.37	0.599		0.00
	9:00 PM	1.97	4.41	0.616		0.00
	10:00 PM	1.97	4.40	0.613		0.00
	11:00 PM	1.97	4.35	0.603		0.00
	MIN	1.94	4.17	0.570	MIN	0.00
	MAX	2.01	4.44	0.637	MAX	0.00
	AVE	1.97	4.34	0.605	TOTAL	0.00
05/02/2021	12:00 AM	1.96	4.30	0.592		0.00
	1:00 AM	1.93	4.25	0.576		0.00
	2:00 AM	1.93	4.23	0.571		0.00
	3:00 AM	1.92	4.19	0.563		0.00
	4:00 AM	1.90	4.17	0.552		0.00
	5:00 AM	1.91	4.11	0.545		0.00
	6:00 AM	1.92	4.15	0.559		0.00
	7:00 AM	1.95	4.18	0.573		0.00
	8:00 AM	1.97	4.24	0.590		0.00
	9:00 AM	2.01 2.03	4.32	0.618 0.633		0.00 0.00
	10:00 AM 11:00 AM	2.03	4.37 4.37	0.638		0.00
	12:00 PM	2.06	4.40	0.653		0.00
	1:00 PM	2.05	4.37	0.646		0.00
	2:00 PM	2.05	4.36	0.642		0.00
	3:00 PM	2.04	4.31	0.632		0.00
	4:00 PM	2.03	4.28	0.621		0.00
	5:00 PM	2.02	4.25	0.612		0.00
	6:00 PM	2.02	4.25	0.615		0.00
	7:00 PM	2.02	4.25	0.615		0.00
	8:00 PM	2.04	4.27	0.624		0.00
	9:00 PM	2.03	4.25	0.618		0.00
	10:00 PM	2.04	4.26	0.624		0.00
	11:00 PM	2.00	4.20	0.599		0.00
į	MIN	1.90	4.11	0.545	MIN	0.00
	MAX	2.06	4.11	0.653	MAX	0.00
	AVE	1.99	4.26	0.605	TOTAL	0.00

	Time	Head	Velocity	Flow		Precip.
		inches	fps	MGD		inches
			•			
05/03/2021	12:00 AM	1.98	4.13	0.580		0.00
	1:00 AM	1.97	4.09	0.568		0.00
	2:00 AM	1.96	4.05	0.559		0.00
	3:00 AM	1.95	3.99	0.548		0.00
	4:00 AM	2.03	4.12	0.601		0.02
	5:00 AM	2.16	4.32	0.693		0.02
	6:00 AM	2.25	4.44	0.756		0.02
	7:00 AM	2.18	4.31	0.699		0.02
	8:00 AM	2.35	4.50	0.816		0.02
	9:00 AM	2.47	4.64	0.910		0.07
	10:00 AM	2.85	5.10	1.233		0.10
	11:00 AM	3.73	5.83	2.152		0.03
	12:00 PM	3.44	5.56	1.802		0.02
	1:00 PM	2.92	5.02	1.292		0.00
	2:00 PM	2.68	4.76	1.069		0.00
	3:00 PM	2.33	4.34	0.774		0.04
	4:00 PM	3.35	5.42	1.780		0.02
	5:00 PM	2.75	4.86	1.138		0.00
	6:00 PM	2.38	4.46	0.821		0.00
	7:00 PM	2.31	4.42	0.782		0.02
	8:00 PM	3.47	5.88	2.510		0.04
	9:00 PM	2.80	5.42	1.314		0.24
	10:00 PM	2.84	5.45	1.349		0.01
	11:00 PM	2.34	4.88	0.879		0.00
	MINI	1.95	3.99	0.548	MINI	0.00
	MIN MAX	3.73	5.88	2.510	MIN MAX	0.00
	AVE	2.56	4.75	1.068	TOTAL	0.69
	AVE	2.50	4.73	1.000	TOTAL	0.09
05/04/2021	12:00 AM	2.26	4.73	0.808		0.00
	1:00 AM	2.20	4.63	0.762		0.00
	2:00 AM	2.17	4.56	0.731		0.00
	3:00 AM	2.15	4.51	0.713		0.00
	4:00 AM	2.13	4.50	0.701		0.00
	5:00 AM	2.11	4.48	0.693		0.00
	6:00 AM	2.12	4.48	0.694		
	7:00 AM			0.094		0.00
		2.14	4.53	0.094		0.00 0.00
	8:00 AM	2.14 2.16				
	8:00 AM 9:00 AM		4.53	0.715		0.00
		2.16	4.53 4.58	0.715 0.731		0.00 0.00
	9:00 AM	2.16 2.15 2.15 2.14	4.53 4.58 4.59	0.715 0.731 0.726 0.727 0.724		0.00 0.00 0.00
	9:00 AM 10:00 AM	2.16 2.15 2.15 2.14 2.14	4.53 4.58 4.59 4.59 4.59 4.60	0.715 0.731 0.726 0.727 0.724 0.726		0.00 0.00 0.00 0.00 0.00 0.00
	9:00 AM 10:00 AM 11:00 AM	2.16 2.15 2.15 2.14 2.14 3.34	4.53 4.58 4.59 4.59 4.59 4.60 5.61	0.715 0.731 0.726 0.727 0.724 0.726 2.225		0.00 0.00 0.00 0.00 0.00 0.00 0.00
	9:00 AM 10:00 AM 11:00 AM 12:00 PM	2.16 2.15 2.15 2.14 2.14 3.34 2.63	4.53 4.58 4.59 4.59 4.59 4.60 5.61 5.34	0.715 0.731 0.726 0.727 0.724 0.726 2.225 1.173		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM	2.16 2.15 2.15 2.14 2.14 3.34 2.63 2.31	4.53 4.58 4.59 4.59 4.59 4.60 5.61 5.34 4.92	0.715 0.731 0.726 0.727 0.724 0.726 2.225 1.173 0.869		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM	2.16 2.15 2.15 2.14 2.14 3.34 2.63 2.31 2.33	4.53 4.58 4.59 4.59 4.60 5.61 5.34 4.92 4.96	0.715 0.731 0.726 0.727 0.724 0.726 2.225 1.173 0.869 0.885		0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.04 0.00 0.00
	9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM	2.16 2.15 2.15 2.14 2.14 3.34 2.63 2.31 2.33 2.27	4.53 4.58 4.59 4.59 4.60 5.61 5.34 4.92 4.96 4.86	0.715 0.731 0.726 0.727 0.724 0.726 2.225 1.173 0.869 0.885 0.836		0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.04 0.00 0.00
	9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM	2.16 2.15 2.15 2.14 2.14 3.34 2.63 2.31 2.33 2.27 2.34	4.53 4.58 4.59 4.59 4.60 5.61 5.34 4.92 4.96 4.86 4.99	0.715 0.731 0.726 0.727 0.724 0.726 2.225 1.173 0.869 0.885 0.836 0.902		0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.04 0.00 0.00 0.00 0.00
	9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM	2.16 2.15 2.15 2.14 2.14 3.34 2.63 2.31 2.33 2.27 2.34 2.22	4.53 4.58 4.59 4.59 4.60 5.61 5.34 4.92 4.96 4.86 4.99 4.81	0.715 0.731 0.726 0.727 0.724 0.726 2.225 1.173 0.869 0.885 0.836 0.902 0.803		0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.04 0.00 0.00 0.00 0.07 0.00 0.02
	9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM	2.16 2.15 2.15 2.14 2.14 3.34 2.63 2.31 2.33 2.27 2.34 2.22 3.32	4.53 4.58 4.59 4.59 4.60 5.61 5.34 4.92 4.96 4.86 4.99 4.81 6.02	0.715 0.731 0.726 0.727 0.724 0.726 2.225 1.173 0.869 0.885 0.836 0.902 0.803 1.978		0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.04 0.00 0.00 0.07 0.00 0.02 0.01
	9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM	2.16 2.15 2.15 2.14 2.14 3.34 2.63 2.31 2.33 2.27 2.34 2.22 3.32 2.32	4.53 4.58 4.59 4.59 4.60 5.61 5.34 4.92 4.96 4.86 4.99 4.81 6.02 4.98	0.715 0.731 0.726 0.727 0.724 0.726 2.225 1.173 0.869 0.885 0.836 0.902 0.803 1.978 0.887		0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.04 0.00 0.00 0.07 0.00 0.02 0.01
	9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM	2.16 2.15 2.15 2.14 2.14 3.34 2.63 2.31 2.33 2.27 2.34 2.22 3.32 2.32 2.32	4.53 4.58 4.59 4.59 4.60 5.61 5.34 4.92 4.96 4.86 4.99 4.81 6.02 4.98 4.85	0.715 0.731 0.726 0.727 0.724 0.726 2.225 1.173 0.869 0.885 0.836 0.902 0.803 1.978 0.887 0.817		0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.04 0.00 0.00 0.07 0.00 0.02 0.01 0.02
	9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM	2.16 2.15 2.15 2.14 2.14 3.34 2.63 2.31 2.33 2.27 2.34 2.22 3.32 2.32	4.53 4.58 4.59 4.59 4.60 5.61 5.34 4.92 4.96 4.86 4.99 4.81 6.02 4.98	0.715 0.731 0.726 0.727 0.724 0.726 2.225 1.173 0.869 0.885 0.836 0.902 0.803 1.978 0.887		0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.04 0.00 0.00 0.07 0.00 0.02 0.01
Ī	9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM 10:00 PM	2.16 2.15 2.15 2.14 2.14 3.34 2.63 2.31 2.33 2.27 2.34 2.22 3.32 2.32 2.32 2.24 2.23	4.53 4.58 4.59 4.59 4.60 5.61 5.34 4.92 4.96 4.86 4.99 4.81 6.02 4.98 4.85 4.86	0.715 0.731 0.726 0.727 0.724 0.726 2.225 1.173 0.869 0.885 0.836 0.902 0.803 1.978 0.887 0.817	M	0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.04 0.00 0.00 0.07 0.00 0.02 0.01 0.00
	9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM 10:00 PM	2.16 2.15 2.15 2.14 2.14 3.34 2.63 2.31 2.33 2.27 2.34 2.22 3.32 2.32 2.24 2.23	4.53 4.58 4.59 4.59 4.60 5.61 5.34 4.92 4.96 4.86 4.99 4.81 6.02 4.98 4.85 4.86	0.715 0.731 0.726 0.727 0.724 0.726 2.225 1.173 0.869 0.885 0.836 0.902 0.803 1.978 0.887 0.817	MIN	0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.04 0.00 0.07 0.00 0.02 0.01 0.00 0.02 0.01
	9:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM 10:00 PM	2.16 2.15 2.15 2.14 2.14 3.34 2.63 2.31 2.33 2.27 2.34 2.22 3.32 2.32 2.32 2.24 2.23	4.53 4.58 4.59 4.59 4.60 5.61 5.34 4.92 4.96 4.86 4.99 4.81 6.02 4.98 4.85 4.86	0.715 0.731 0.726 0.727 0.724 0.726 2.225 1.173 0.869 0.885 0.836 0.902 0.803 1.978 0.887 0.817	MIN MAX TOTAL	0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.04 0.00 0.00 0.07 0.00 0.02 0.01 0.00

	Time	Head	Velocity	Flow		Precip.
		inches	fps	MGD		inches
		0.47	4.75	0.704		0.00
05/05/2021	12:00 AM	2.17	4.75	0.764		0.00
	1:00 AM	2.13	4.65	0.726		0.00
	2:00 AM	2.12	4.63	0.717		0.01
	3:00 AM	2.09	4.59	0.697		0.00
	4:00 AM	2.08	4.59	0.693		0.02
	5:00 AM	2.43	5.10	0.986		0.13
	6:00 AM	4.25	7.24	3.185		0.11
	7:00 AM	3.74	6.55	2.377		0.04
	8:00 AM	2.88	5.64	1.380		0.04
	9:00 AM	3.78	6.51	2.419		0.03 0.01
	10:00 AM	2.92	5.68	1.422 1.077		0.00
	11:00 AM	2.54	5.29 5.17			
	12:00 PM	2.46	5.17	1.002		0.00
	1:00 PM	2.40	5.12	0.960		0.00
	2:00 PM	2.40	5.07	0.946		0.00
	3:00 PM	2.31 2.28	5.03 4.98	0.886 0.864		0.00 0.00
	4:00 PM	2.26				0.00
	5:00 PM 6:00 PM	2.20	4.97 4.94	0.851 0.852		0.00
		2.27	4.89	0.832		0.00
	7:00 PM	2.23	4.87	0.828		0.00
	8:00 PM	2.24	4.88	0.819		0.00
	9:00 PM	2.24	4.84	0.820		0.00
	10:00 PM 11:00 PM	2.17	4.77	0.767		0.00
	11.00 FW	2.17	4.77	0.707		0.00
	MIN	2.08	4.59	0.693	MIN	0.00
	MAX	4.25	7.24	3.185	MAX	0.13
	AVE	2.52	5.20	1.118	TOTAL	0.39
05/06/2021	12:00 AM	2.13	4.71	0.735		0.00
00/00/2021	1:00 AM	2.11	4.65	0.716		0.00
	2:00 AM	2.10	4.61	0.708		0.00
	3:00 AM	2.08	4.59	0.694		0.00
	4:00 AM	2.07	4.58	0.688		0.00
	5:00 AM	2.08	4.56	0.687		0.00
	6:00 AM	2.09	4.59	0.697		0.00
	7:00 AM	2.12	4.64	0.719		0.00
	8:00 AM	2.16	4.68	0.749		0.00
	9:00 AM	2.17	4.70	0.756		0.00
	10:00 AM	2.16	4.72	0.754		0.00
	11:00 AM	2.17	4.69	0.756		0.00
	12:00 PM	2.15	4.69	0.743		0.00
	1:00 PM	2.11	4.65	0.717		0.00
	2:00 PM	2.10	4.64	0.709		0.00
	3:00 PM	2.08	4.61	0.694		0.00
	4:00 PM	2.08	4.62	0.695		0.00
	5:00 PM	2.09	4.63	0.706		0.00
	6:00 PM	2.11	4.66	0.721		0.00
	7:00 PM	2.10	4.64	0.711		0.00
	8:00 PM	2.11	4.67	0.719		0.00
	9:00 PM	2.11	4.64	0.713		0.00
	10:00 PM	2.11	4.66	0.716		0.00
	11:00 PM	2.08	4.60	0.696		0.00
ĺ	MINI	2.07	4.56	0.697	MINI	0.00
	MIN MAX	2.07	4.56 4.72	0.687 0.756	MIN MAX	0.00
	AVE	2.17	4.72	0.730	TOTAL	0.00
	7.V L	١١٠ ـ	-⊤.∪ -†	V.1 11	IOIAL	0.00

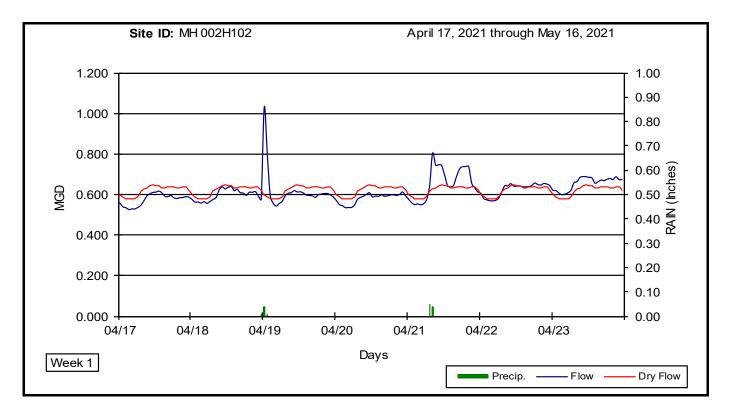
	Time	Head	Velocity	Flow		Precip.
		inches	fps	MGD		inches
			•			
05/07/2021	12:00 AM	2.07	4.54	0.678		0.00
	1:00 AM	2.06	4.47	0.667		0.00
	2:00 AM	2.04	4.46	0.653		0.00
	3:00 AM	2.03	4.41	0.641		0.00
	4:00 AM	2.03	4.38	0.635		0.00
	5:00 AM	2.04	4.38	0.641		0.00
	6:00 AM	2.06	4.41	0.659		0.00
	7:00 AM	2.09	4.46	0.680		0.00
	8:00 AM	2.11	4.49	0.694		0.00
	9:00 AM	2.29	4.76	0.833		0.03
	10:00 AM	2.65	5.27	1.142		0.04
	11:00 AM	2.45	5.01	0.970		0.04
	12:00 PM	2.52	5.13	1.033		0.00
	1:00 PM	2.26	4.71	0.807		0.00
	2:00 PM	2.22 2.18	4.63 4.56	0.772 0.740		0.00 0.00
	3:00 PM	2.16	4.57	0.740		0.00
	4:00 PM 5:00 PM	2.10	4.57	0.731		0.00
		2.17	4.58	0.730		0.00
	6:00 PM 7:00 PM	2.17	4.55	0.743		0.00
	8:00 PM	2.17	4.52	0.708		0.00
	9:00 PM	2.15	4.49	0.714		0.00
	10:00 PM	2.17	4.49	0.721		0.00
	11:00 PM	2.14	4.44	0.700		0.00
	11.00 1 W	2.17	7.77	0.700		0.00
	MIN	2.03	4.38	0.635	MIN	0.00
	MAX	2.65	5.27	1.142	MAX	0.04
	AVE	2.18	4.59	0.751	TOTAL	0.11
•						
05/08/2021	12:00 AM	2.14	4.40	0.692		0.00
	1:00 AM	2.09	4.31	0.657		0.00
	2:00 AM	2.07	4.27	0.639		0.00
	3:00 AM	2.06	4.23	0.631		0.00
	4:00 AM	2.06	4.20	0.623		0.00
	5:00 AM	2.05	4.18	0.618		0.00
	6:00 AM	2.07	4.16	0.623		0.00
	7:00 AM	2.10	4.19	0.642		0.00
	8:00 AM	2.14	4.24	0.668		0.00
	9:00 AM	2.18	4.30	0.697		0.00
	10:00 AM	2.19	4.28	0.695		0.00
	11:00 AM	2.23	4.34	0.726		0.01 0.00
	12:00 PM	2.23 2.20	4.36 4.30	0.728 0.706		0.00
	1:00 PM 2:00 PM	2.20	4.30	0.700		0.00
	3:00 PM	2.20	4.20	0.701		0.00
	4:00 PM	2.17	4.27	0.687		0.00
	5:00 PM	2.15	4.22	0.671		0.00
	6:00 PM	2.16	4.24	0.679		0.00
	7:00 PM	2.16	4.22	0.676		0.00
	8:00 PM	2.17	4.20	0.677		0.00
	9:00 PM	2.15	4.18	0.666		0.00
	10:00 PM	2.16	4.17	0.667		0.00
	11:00 PM	2.17	4.17	0.670		0.00
				-		
	MIN	2.05	4.16	0.618	MIN	0.00
	MAX	2.23	4.40	0.728	MAX	0.01
	AVE	2.15	4.25	0.672	TOTAL	0.01

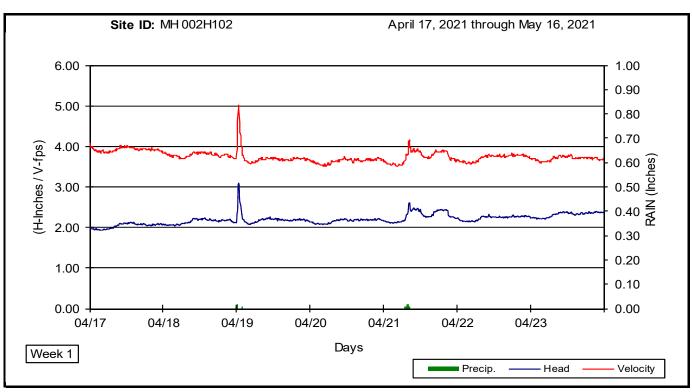
	Time	Head	Velocity	Flow		Precip.
		inches	fps	MGD		inches
			•			
05/09/2021	12:00 AM	2.16	4.15	0.663		0.00
	1:00 AM	2.14	4.07	0.642		0.00
	2:00 AM	2.14	4.05	0.639		0.00
	3:00 AM	2.14	4.03	0.634		0.00
	4:00 AM	2.14	4.02	0.635		0.00
	5:00 AM	2.16	3.95	0.630		0.00
	6:00 AM	2.17	3.98	0.640		0.00
	7:00 AM	2.20	3.98	0.656		0.00
	8:00 AM	2.25	4.03	0.686		0.07
	9:00 AM	3.18	5.05	1.544		0.15
	10:00 AM	4.36	6.21	2.852		0.09
	11:00 AM	3.36	5.39	1.696		0.03
	12:00 PM	3.86	5.77	2.540		0.12
	1:00 PM	4.39	6.42	3.051		0.04
	2:00 PM	3.86	5.87	2.390		0.12
	3:00 PM	4.60	6.63	3.286		0.07
	4:00 PM	4.41	6.47	2.988		0.05
	5:00 PM	3.63	5.81	2.037		0.05
	6:00 PM	3.53	5.73	1.923		0.07
	7:00 PM	4.53	6.70	3.345 3.151		0.12
	8:00 PM	4.48	6.63			0.08
	9:00 PM	4.41 3.70	6.57 5.97	3.038 2.122		0.03 0.00
	10:00 PM	3.70	5.87 5.22	1.410		0.00
	11:00 PM	3.03	5.32	1.410		0.00
	MIN	2.14	3.95	0.630	MIN	0.00
	MAX	4.60	6.70	3.345	MAX	0.15
	AVE	3.29	5.28	1.800	TOTAL	1.09
	7.17	0.20	0.20	11000		
05/10/2021	12:00 AM	2.89	5.18	1.280		0.00
	1:00 AM	2.78	5.07	1.179		0.00
	2:00 AM	2.71	5.02	1.125		0.00
	3:00 AM	2.66	4.94	1.077		0.00
	4:00 AM	2.61	4.91	1.042		0.00
	5:00 AM	2.60	4.88	1.028		0.00
	6:00 AM	2.59	4.85	1.017		0.00
	7:00 AM	2.58	4.87	1.012		0.00
	8:00 AM	2.57	4.84	1.000		0.00
	9:00 AM	2.56	4.85	0.996		0.01
	10:00 AM	2.55	4.85	0.994		0.00
	11:00 AM	2.54	4.84	0.981		0.00
	12:00 PM	2.53	4.82	0.975		0.00
	1:00 PM	2.49	4.81	0.951		0.00
	2:00 PM	2.46	4.76	0.921		0.00
	3:00 PM	2.45	4.76	0.921		0.00
	4:00 PM	2.44	4.74	0.908		0.00
	5:00 PM	2.42	4.73	0.896		0.00
	6:00 PM	2.41	4.73	0.892		0.00
	7:00 PM	2.41	4.72	0.888		0.00
	8:00 PM	2.40	4.70 4.71	0.878		0.00
	9:00 PM	2.39	4.71	0.871		0.00
	10:00 PM	2.38	4.69 4.64	0.866		0.00
	11:00 PM	2.36	4.64	0.846		0.00
	MIN	2.36	4.64	0.846	MINI	0.00
	MIN				MIN	
	MAY	·) xu	h ix	1 /×11	MANY	() () ()
	MAX AVE	2.89 2.53	5.18 4.83	1.280 0.981	MAX TOTAL	0.01 0.01

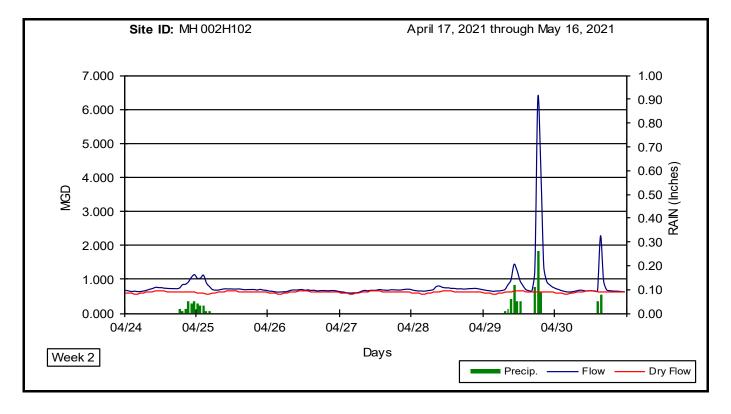
	Time	Head	Velocity	Flow		Precip.
		inches	fps	MGD		inches
05/11/2021	12:00 AM	2.34	4.60	0.828		0.00
00/11/2021	1:00 AM	2.30	4.54	0.795		0.00
	2:00 AM	2.28	4.50	0.781		0.00
	3:00 AM	2.27	4.46	0.766		0.00
	4:00 AM	2.25	4.44	0.756		0.00
	5:00 AM	2.26	4.42	0.754		0.00
	6:00 AM	2.28	4.46	0.773		0.00
	7:00 AM	2.31	4.50	0.794		0.00
	8:00 AM	2.34	4.53	0.817		0.00
	9:00 AM	2.33	4.53	0.810		0.00
	10:00 AM	2.33	4.52	0.808		0.00
	11:00 AM	2.34	4.51	0.810		0.00
	12:00 PM	2.33	4.49	0.802		0.00
	1:00 PM	2.30	4.47	0.782		0.00
	2:00 PM	2.28	4.44	0.767		0.00
	3:00 PM	2.28	4.43	0.766		0.00
	4:00 PM	2.29	4.42	0.768		0.00
	5:00 PM	2.29 2.28	4.42 4.40	0.771 0.762		0.00 0.00
	6:00 PM 7:00 PM	2.20	4.40	0.762		0.00
	8:00 PM	2.29	4.40	0.762		0.00
	9:00 PM	2.27	4.34	0.745		0.00
	10:00 PM	2.28	4.35	0.753		0.00
	11:00 PM	2.24	4.31	0.729		0.00
				020		0.00
	MIN	2.24	4.31	0.729	MIN	0.00
	MAX	2.34	4.60	0.828	MAX	0.00
	AVE	2.29	4.45	0.778	TOTAL	0.00
05/12/2021	12:00 AM	2.23	4.25	0.712		0.00
00/12/2021	1:00 AM	2.19	4.21	0.686		0.00
	2:00 AM	2.18	4.13	0.669		0.00
	3:00 AM	2.19	4.07	0.662		0.00
	4:00 AM	2.21	4.03	0.666		0.00
	5:00 AM	2.21	4.00	0.662		0.00
	6:00 AM	2.25	4.01	0.683		0.00
	7:00 AM	2.32	4.10	0.727		0.00
	8:00 AM	2.40	4.19	0.787		0.00
	9:00 AM	2.36	4.10	0.749		0.00
	10:00 AM	2.36	4.08	0.743		0.00
	11:00 AM	2.38	4.09	0.755		0.00
	12:00 PM	2.36	4.08	0.742		0.00
	1:00 PM	2.34	4.07	0.734		0.00
	2:00 PM	2.33	4.03	0.721		0.00
	3:00 PM	2.34 2.35	4.02 4.00	0.724 0.725		0.00 0.00
	4:00 PM 5:00 PM	2.35	4.00	0.725		0.00
	6:00 PM	2.36	4.01	0.720		0.00
	7:00 PM	2.38	4.00	0.734		0.00
	8:00 PM	2.39	4.01	0.735		0.00
	9:00 PM	2.40	4.01	0.750		0.00
	10:00 PM	2.41	3.98	0.748		0.00
	11:00 PM	2.40	3.95	0.737		0.00
i	1					
	MIN	2.18	3.95	0.662	MIN	0.00
	MAX	2.41	4.25	0.787	MAX	0.00
	AVE	2.32	4.06	0.722	TOTAL	0.00

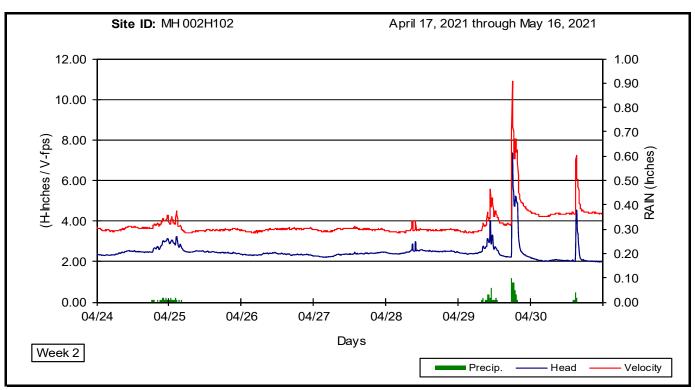
	Time	Head	Velocity	Flow		Precip.
		inches	fps	MGD		inches
05/13/2021	12:00 AM	2.37	3.91	0.719		0.00
	1:00 AM	2.36	3.86	0.702		0.00
	2:00 AM	2.34	3.85	0.696		0.00
	3:00 AM	2.36	3.82	0.695		0.00
	4:00 AM	2.36	3.78	0.690		0.00
	5:00 AM	2.38	3.78	0.696		0.00
	6:00 AM	2.44	3.80	0.726		0.00
	7:00 AM	2.47	3.83	0.747		0.00
	8:00 AM	2.52	3.87	0.780		0.00
	9:00 AM	2.56	3.89	0.799		0.00
	10:00 AM	2.56	3.88	0.798		0.00
	11:00 AM	2.52	3.85	0.774		0.00
	12:00 PM	2.52	3.86	0.776		0.00
	1:00 PM	2.52	3.86	0.777		0.00
	2:00 PM	2.51	3.84	0.767		0.00
	3:00 PM	2.51	3.84	0.767		0.00
	4:00 PM	2.51	3.83	0.767		0.00
	5:00 PM	2.52	3.85	0.774		0.00
	6:00 PM	2.53	3.84	0.775		0.00
	7:00 PM	2.53	3.85	0.780		0.00
	8:00 PM	2.53	3.87	0.783		0.00
	9:00 PM	2.53	3.84	0.775		0.00
	10:00 PM	2.52	3.85	0.776		0.00
	11:00 PM	2.50	3.82	0.757		0.00
	MIN	2.34	3.78	0.690	MIN	0.00
	MAX	2.56	3.91	0.799	MAX	0.00
	AVE	2.48	3.84	0.754	TOTAL	0.00
!						
05/14/2021	12:00 AM	2.47	3.79	0.742		0.00
	1:00 AM	2.43	3.76	0.717		0.00
	2:00 AM	2.42	3.71	0.701		0.00
	3:00 AM	2.41	3.69	0.694		0.00
	4:00 AM	2.43	3.70	0.704		0.00
	5:00 AM	2.44	3.69	0.709		0.00
	6:00 AM	2.48	3.71	0.727		0.00
	7:00 AM	2.53	3.79	0.765		0.00
	8:00 AM	2.57	3.81	0.790		0.00
	9:00 AM	2.58	3.83	0.797		0.00
	10:00 AM	2.59	3.84	0.803		0.00
	11:00 AM	2.55	3.84	0.785		0.00
	12:00 PM	2.54	3.82	0.778		0.00
	1:00 PM	2.56	3.83	0.786		0.00
	2:00 PM	2.55	3.82	0.780		0.00
	3:00 PM	2.53	3.81	0.772		0.00
	4:00 PM	2.52	3.81	0.765		0.00
	5:00 PM	2.52	3.81	0.767		0.00
	6:00 PM	2.52	3.82	0.766		0.00
	7:00 PM	2.50	3.83	0.762		0.00
	8:00 PM	2.54	3.85	0.781		0.00
	9:00 PM	2.52	3.82	0.768		0.00
	10:00 PM	2.52	3.85	0.773		0.00
	11:00 PM	2.48	3.78	0.743		0.00
1		0.44	0.00	0.004		0.00
	MIN	2.41	3.69	0.694	MIN	0.00
	MAX	2.59	3.85	0.803	MAX	0.00
	AVE	2.51	3.79	0.757	TOTAL	0.00

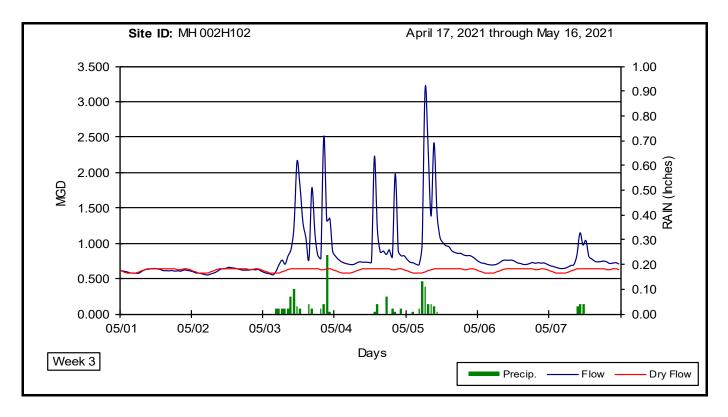
	Time	Head	Velocity	Flow		Precip.
		inches	fps	MGD		inches
05/15/2021	12:00 AM	2.47	3.75	0.731		0.00
	1:00 AM	2.44	3.74	0.715		0.00
	2:00 AM	2.42	3.70	0.701		0.00
	3:00 AM	2.38	3.67	0.678		0.00
	4:00 AM	2.41	3.66	0.687		0.00
	5:00 AM	2.43	3.66	0.697		0.00
	6:00 AM	2.44	3.66	0.700		0.00
	7:00 AM	2.47	3.70	0.723		0.00
	8:00 AM	2.51	3.76	0.752		0.00
	9:00 AM	2.56 2.56	3.81 3.82	0.784 0.785		0.00 0.00
	10:00 AM	2.58	3.86	0.763		0.00
	11:00 AM 12:00 PM	2.56	3.83	0.789		0.00
	1:00 PM	2.56	3.83	0.789		0.00
	2:00 PM	2.56	3.82	0.784		0.00
	3:00 PM	2.53	3.81	0.771		0.00
	4:00 PM	2.50	3.77	0.748		0.00
	5:00 PM	2.49	3.78	0.746		0.00
	6:00 PM	2.48	3.76	0.740		0.00
	7:00 PM	2.48	3.78	0.743		0.00
	8:00 PM	2.48	3.80	0.744		0.00
	9:00 PM	2.47	3.80	0.741		0.00
	10:00 PM	2.49	3.83	0.755		0.00
	11:00 PM	2.45	3.78	0.730		0.00
	MIN	2.38	3.66	0.678	MIN	0.00
	MAX	2.58	3.86	0.803	MAX	0.00
	AVE	2.49	3.77	0.743	TOTAL	0.00
		0.40	0.77	0.740		0.00
05/16/2021	12:00 AM	2.43	3.77	0.719		0.00
	1:00 AM					
		2.40	3.72	0.698		0.00
	2:00 AM	2.38	3.71	0.684		0.00
	2:00 AM 3:00 AM	2.38 2.35	3.71 3.71	0.684 0.673		0.00 0.00
	2:00 AM 3:00 AM 4:00 AM	2.38 2.35 2.34	3.71 3.71 3.67	0.684 0.673 0.662		0.00 0.00 0.00
	2:00 AM 3:00 AM 4:00 AM 5:00 AM	2.38 2.35 2.34 2.35	3.71 3.71 3.67 3.66	0.684 0.673 0.662 0.664		0.00 0.00 0.00 0.00
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM	2.38 2.35 2.34 2.35 2.36	3.71 3.71 3.67 3.66 3.66	0.684 0.673 0.662 0.664 0.666		0.00 0.00 0.00 0.00 0.00
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM	2.38 2.35 2.34 2.35 2.36 2.39	3.71 3.71 3.67 3.66 3.66 3.70	0.684 0.673 0.662 0.664 0.666 0.688		0.00 0.00 0.00 0.00 0.00 0.00
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM	2.38 2.35 2.34 2.35 2.36 2.39 2.42	3.71 3.71 3.67 3.66 3.66 3.70 3.76	0.684 0.673 0.662 0.664 0.666 0.688 0.710		0.00 0.00 0.00 0.00 0.00 0.00 0.00
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47 2.49	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83 3.85	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750 0.761		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47 2.49 2.53	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83 3.85 3.86	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750 0.761 0.779		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47 2.49 2.53 2.54	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83 3.85 3.86 3.89	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750 0.761 0.779		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47 2.49 2.53 2.54 2.53	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83 3.85 3.85 3.86 3.89 3.87	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750 0.761 0.779 0.791		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47 2.49 2.53 2.54 2.53 2.51	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83 3.85 3.86 3.89 3.87 3.87	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750 0.761 0.779 0.791 0.783 0.770		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47 2.49 2.53 2.54 2.53 2.51 2.49	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83 3.85 3.86 3.89 3.87 3.87	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750 0.761 0.779 0.791 0.783 0.770 0.758		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47 2.49 2.53 2.54 2.53 2.51 2.49 2.48	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83 3.85 3.86 3.89 3.87 3.87 3.84	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750 0.761 0.779 0.791 0.783 0.770 0.758 0.752		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47 2.49 2.53 2.54 2.53 2.51 2.49 2.48 2.46	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83 3.85 3.86 3.89 3.87 3.87 3.84 3.84	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750 0.761 0.779 0.791 0.783 0.770 0.758 0.752 0.742		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 10:00 AM 11:00 AM 12:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47 2.49 2.53 2.54 2.53 2.51 2.49 2.48 2.46 2.47	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83 3.85 3.86 3.89 3.87 3.87 3.84 3.84 3.84 3.82 3.81	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750 0.761 0.779 0.791 0.783 0.770 0.758 0.752 0.742 0.743		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 6:00 PM 8:00 PM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47 2.49 2.53 2.54 2.53 2.51 2.49 2.48 2.46 2.47 2.47	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83 3.85 3.86 3.89 3.87 3.87 3.84 3.84 3.84 3.84 3.82 3.81	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750 0.761 0.779 0.791 0.783 0.770 0.758 0.752 0.742 0.743 0.745		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 6:00 PM 6:00 PM 8:00 PM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47 2.49 2.53 2.51 2.49 2.48 2.46 2.47 2.47 2.50	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83 3.85 3.86 3.89 3.87 3.87 3.84 3.84 3.84 3.82 3.81 3.83 3.85	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750 0.761 0.779 0.791 0.783 0.770 0.758 0.752 0.742 0.743 0.745 0.765		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 6:00 PM 8:00 PM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47 2.49 2.53 2.54 2.53 2.51 2.49 2.48 2.46 2.47 2.47	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83 3.85 3.86 3.89 3.87 3.87 3.84 3.84 3.84 3.84 3.82 3.81	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750 0.761 0.779 0.791 0.783 0.770 0.758 0.752 0.742 0.743 0.745		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47 2.49 2.53 2.51 2.49 2.48 2.46 2.47 2.47 2.50 2.47	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83 3.85 3.86 3.89 3.87 3.87 3.84 3.84 3.82 3.81 3.83 3.85 3.83	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750 0.761 0.779 0.791 0.783 0.770 0.758 0.752 0.742 0.743 0.745 0.765 0.748		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47 2.49 2.53 2.51 2.49 2.48 2.46 2.47 2.47 2.50 2.47 2.44	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83 3.85 3.86 3.89 3.87 3.87 3.84 3.84 3.82 3.81 3.83 3.85 3.83	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750 0.761 0.779 0.791 0.783 0.770 0.758 0.752 0.742 0.743 0.745 0.765 0.748 0.728	MIN	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	2:00 AM 3:00 AM 4:00 AM 5:00 AM 6:00 AM 7:00 AM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 2:00 PM 3:00 PM 4:00 PM 5:00 PM 6:00 PM 7:00 PM 8:00 PM 9:00 PM 1:00 PM	2.38 2.35 2.34 2.35 2.36 2.39 2.42 2.45 2.47 2.49 2.53 2.51 2.49 2.48 2.46 2.47 2.47 2.50 2.47 2.44	3.71 3.71 3.67 3.66 3.66 3.70 3.76 3.80 3.83 3.85 3.86 3.89 3.87 3.87 3.84 3.84 3.82 3.81 3.83 3.85 3.83	0.684 0.673 0.662 0.664 0.666 0.688 0.710 0.731 0.750 0.761 0.779 0.791 0.783 0.770 0.758 0.752 0.742 0.743 0.745 0.765 0.748 0.728	MIN MAX	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0

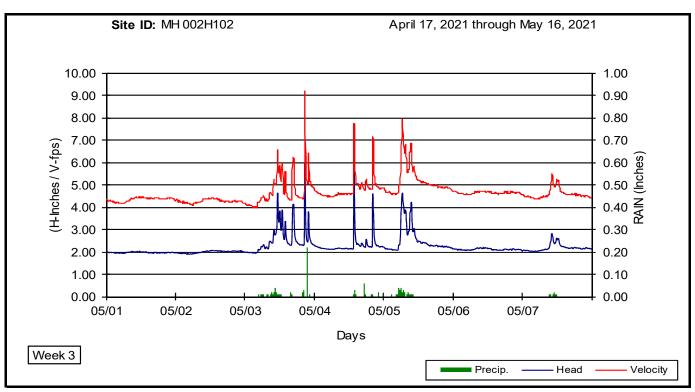


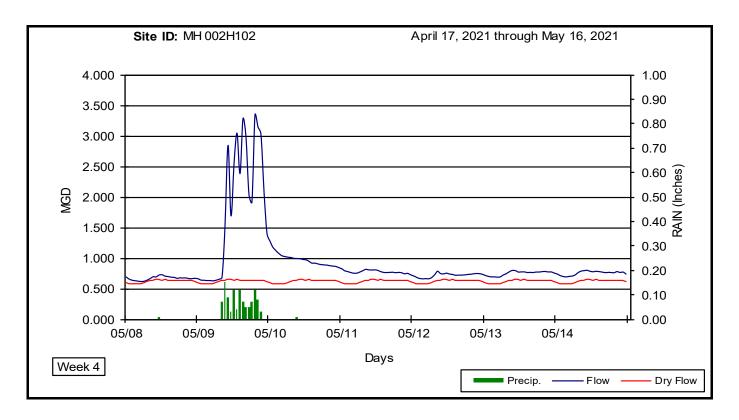


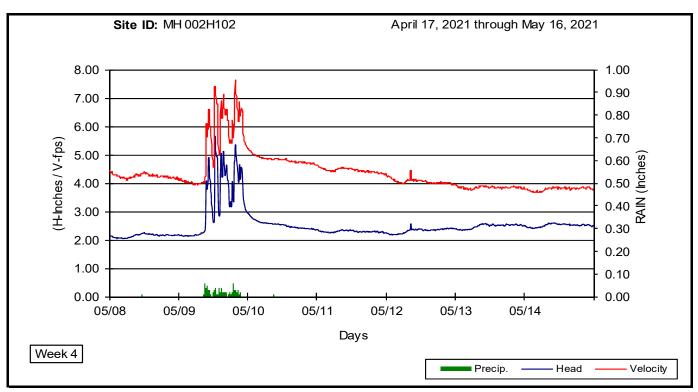


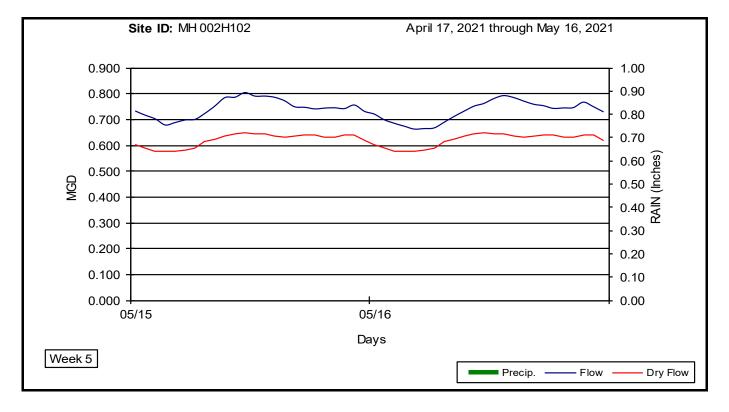


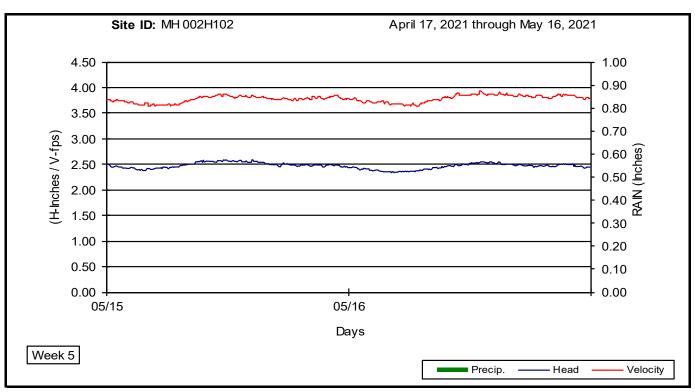










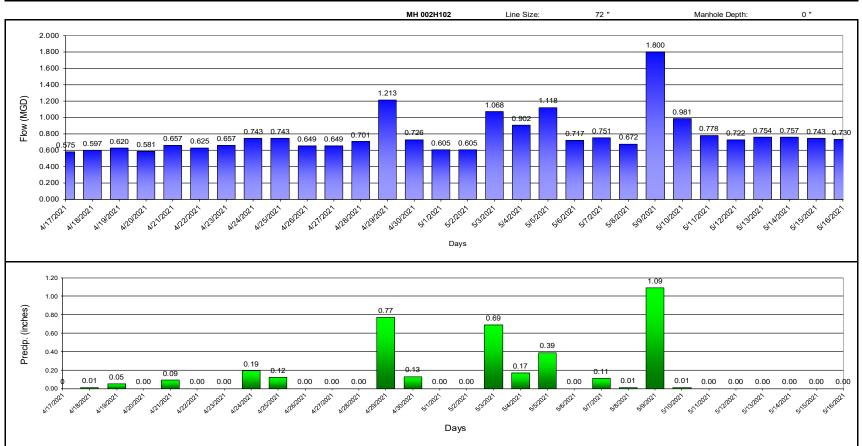


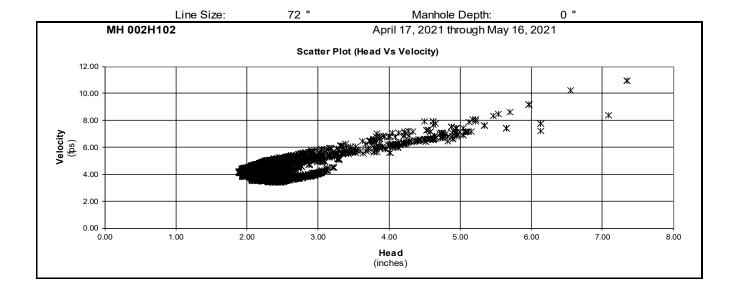
DRNACH ENVIRONMENTAL, INC.

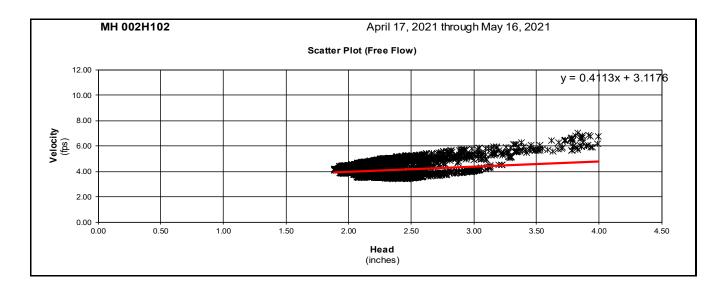
MH 002H102

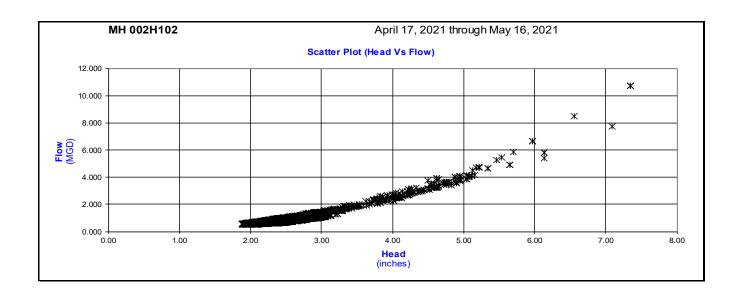
April 17, 2021 through May 16, 2021

Date:	04/17/2021	04/18/2021	04/19/2021	04/20/2021	04/21/2021	04/22/2021	04/23/2021	04/24/2021	04/25/2021	04/26/2021	04/27/2021	04/28/2021	04/29/2021	04/30/2021	05/01/2021	05/02/2021
Flow:	0.575	0.597	0.620	0.581	0.657	0.625	0.657	0.743	0.743	0.649	0.649	0.701	1.213	0.726	0.605	0.605
Precip.:	0.00	0.01	0.05	0.00	0.09	0.00	0.00	0.19	0.12	0.00	0.00	0.00	0.77	0.13	0.00	0.00
Date:	05/03/2021	05/04/2021	05/05/2021	05/06/2021	05/07/2021	05/08/2021	05/09/2021	05/10/2021	05/11/2021	05/12/2021	05/13/2021	05/14/2021	05/15/2021	05/16/2021		
Flow:	1.068	0.902	1.118	0.717	0.751	0.672	1.800	0.981	0.778	0.722	0.754	0.757	0.743	0.730		
Precip.:	0.69	0.17	0.39	0.00	0.11	0.01	1.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00		



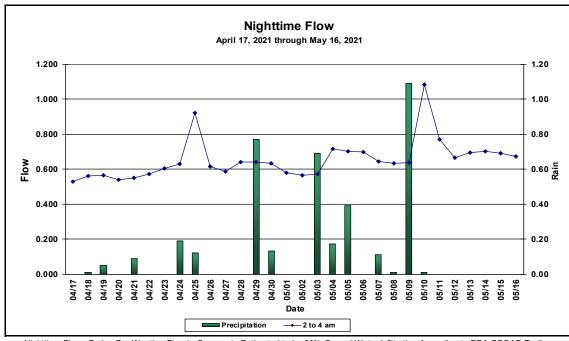






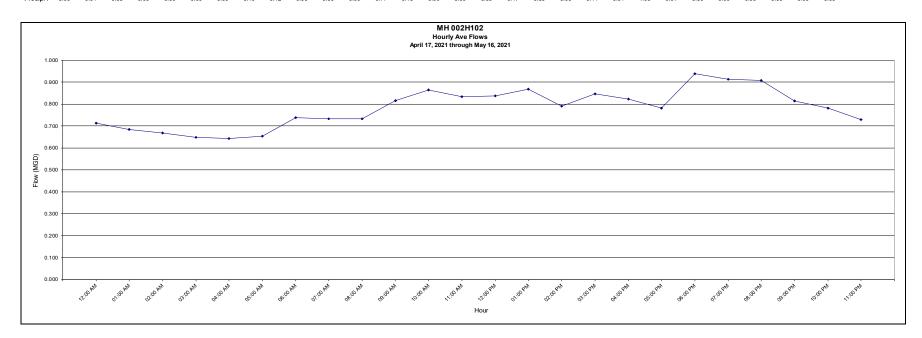
MH 002H102 Nighttime Flow

Date	Total 24 hr Precipitation	Ave flow 2 to 4 am
04/17 04/18 04/19 04/20 04/21 04/22 04/23 04/24 04/25 04/26 04/27 04/28 04/29 04/30 05/01 05/02 05/03 05/04 05/05 05/06 05/07 05/08 05/09 05/11 05/12 05/13	0.00 0.01 0.05 0.00 0.09 0.00 0.19 0.12 0.00 0.00 0.00 0.77 0.13 0.00 0.00 0.69 0.17 0.39 0.00 0.11 0.01 1.09 0.01 0.00 0.00 0.0	0.530 0.562 0.565 0.539 0.551 0.571 0.603 0.628 0.920 0.613 0.586 0.640 0.640 0.632 0.579 0.562 0.569 0.715 0.702 0.697 0.643 0.631 0.636 1.081 0.768 0.699 0.689
O5/16 AVG MIN MAX	0.00 0.13 0.00 1.09	0.673 0.653 0.530 1.081

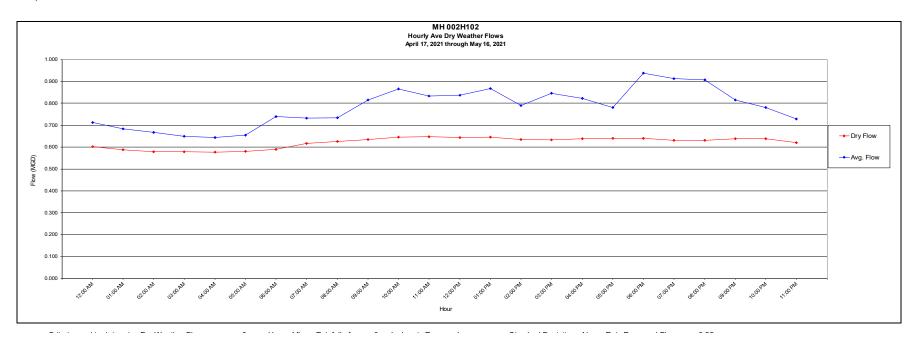


Nighttime Flows During Dry Weather Flow is Commonly Estimated to be 90% Ground Water Infiltration According to EPA SSOAP Toolbox

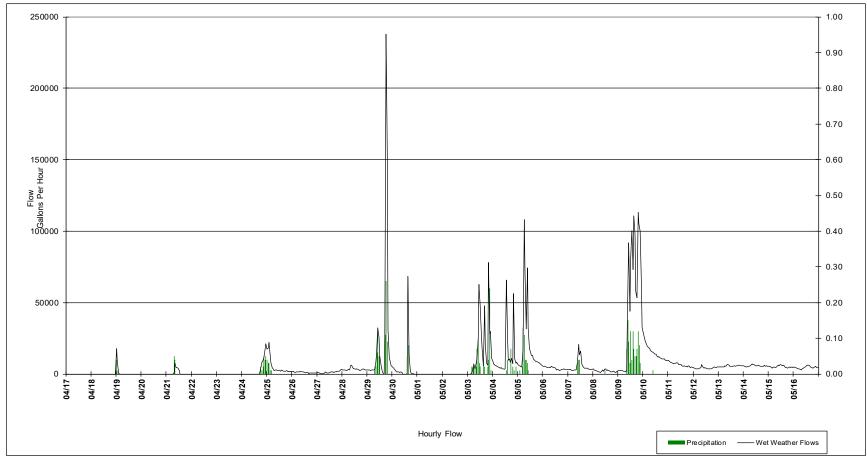
	Average	Hourly	Flow			April 17,	2021 thro	ough May	16, 2021																						
2021	04/17	04/18	04/19	04/20	04/21	04/22	04/23	04/24	04/25	04/26	04/27	04/28	04/29	04/30	05/01	05/02	05/03	05/04	05/05	05/06	05/07	05/08	05/09	05/10	05/11	05/12	05/13	05/14	05/15	05/16	Average
12:00 AM	0.559	0.576	1.033	0.570	0.577	0.606	0.621	0.662	1.013	0.640	0.617	0.672	0.673	0.715	0.607	0.592	0.580	0.808	0.764	0.735	0.678	0.692	0.663	1.280	0.828	0.712	0.719	0.742	0.731	0.719	0.713
01:00 AM	0.540	0.563	0.801	0.551	0.560	0.580	0.620	0.641	1.025	0.632	0.610	0.651	0.655	0.684	0.596	0.576	0.568	0.762	0.726	0.716	0.667	0.657	0.642	1.179	0.795	0.686	0.702	0.717	0.715	0.698	0.684
02:00 AM	0.534	0.563	0.594	0.545	0.551	0.574	0.608	0.626	1.111	0.618	0.592	0.644	0.647	0.653	0.589	0.571	0.559	0.731	0.717	0.708	0.653	0.639	0.639	1.125	0.781	0.669	0.696	0.701	0.701	0.684	0.667
03:00 AM	0.526	0.558	0.556	0.536	0.553	0.569	0.599	0.636	0.877	0.608	0.582	0.642	0.631	0.629	0.575	0.563	0.548	0.713	0.697	0.694	0.641	0.631	0.634	1.077	0.766	0.662	0.695	0.694	0.678	0.673	0.648
04:00 AM	0.529	0.564	0.544	0.536	0.550	0.569	0.602	0.624	0.772	0.614	0.584	0.635	0.641	0.612	0.573	0.552	0.601	0.701	0.693	0.688	0.635	0.623	0.635	1.042	0.756	0.666	0.690	0.704	0.687	0.662	0.643
05:00 AM		0.557	0.556	0.536	0.555	0.572	0.609	0.627	0.686	0.617	0.590	0.650	0.643	0.615	0.570	0.545	0.693	0.693	0.986	0.687	0.641	0.618	0.630	1.028	0.754	0.662	0.696	0.709	0.697	0.664	0.654
06:00 AM	0.537	0.566	0.567	0.548	0.575	0.583	0.621	0.643	0.668	0.626	0.599	0.662	0.658	0.627	0.572	0.559	0.756	0.694	3.185	0.697	0.659	0.623	0.640	1.017	0.773	0.683	0.726	0.727	0.700	0.666	0.738
07:00 AM		0.576	0.595	0.576	0.646	0.614	0.658	0.666	0.669	0.657	0.636	0.686	0.687	0.647	0.600	0.573	0.699	0.715	2.377	0.719	0.680	0.642	0.656	1.012	0.794	0.727	0.747	0.765	0.723	0.688	0.733
08:00 AM		0.586	0.606	0.586	0.805	0.644	0.663	0.692	0.690	0.671	0.659	0.772	0.824	0.665	0.620	0.590	0.816	0.731	1.380	0.749	0.694	0.668	0.686	1.000	0.817	0.787	0.780	0.790	0.752	0.710	0.733
09:00 AM		0.622	0.610	0.592	0.746	0.643	0.685	0.716	0.705	0.670	0.648	0.788	0.963	0.660	0.628	0.618	0.910	0.726	2.419	0.756	0.833	0.697	1.544	0.996	0.810	0.749	0.799	0.797	0.784	0.731	0.815
10:00 AM		0.638	0.620	0.601	0.748	0.654	0.689	0.751	0.706	0.679	0.662	0.750	1.425	0.644	0.633	0.633	1.233	0.727	1.422	0.754	1.142	0.695	2.852	0.994	0.808	0.743	0.798	0.803	0.785	0.750	0.865
11:00 AM		0.628	0.613	0.609	0.743	0.642	0.689	0.743	0.703	0.687	0.662	0.736	1.260	0.643	0.637	0.638	2.152	0.724	1.077	0.756	0.970	0.726	1.696	0.981	0.810	0.755	0.774	0.785	0.803	0.761	0.834
12:00 PM		0.636	0.614	0.588	0.695	0.641	0.685	0.739	0.701	0.665	0.665	0.735	0.955	0.650	0.631	0.653	1.802	0.726	1.002	0.743	1.033	0.728	2.540	0.975	0.802	0.742	0.776	0.778	0.789	0.779	0.836
01:00 PM		0.640	0.608	0.593	0.643	0.642	0.683	0.723	0.697	0.674	0.685	0.719	0.803	0.635	0.625	0.646	1.292	2.225	0.960	0.717	0.807	0.706	3.051	0.951	0.782	0.734	0.777	0.786	0.789	0.791	0.867
02:00 PM		0.620	0.598	0.591	0.638	0.638	0.656	0.719	0.702	0.659	0.672	0.719	0.683	0.644	0.608	0.642	1.069	1.173	0.946	0.709	0.772	0.701	2.390	0.921	0.767	0.721	0.767	0.780	0.784	0.783	0.789
03:00 PM		0.626	0.595	0.599	0.647	0.638	0.664	0.714	0.689	0.663	0.667	0.706	0.653	2.276	0.606	0.632	0.774	0.869	0.886	0.694	0.740	0.689	3.286	0.921	0.766	0.724	0.767	0.772	0.771	0.770	0.847
04:00 PM		0.610	0.594	0.592	0.692	0.639	0.671	0.714	0.679	0.645	0.665	0.708	0.647	0.950	0.605	0.621	1.780	0.885	0.864	0.695	0.731	0.687	2.988	0.908	0.768	0.725	0.767	0.765	0.748	0.758	0.823
05:00 PM		0.608	0.586	0.594	0.728	0.645	0.669	0.709	0.684	0.651	0.681	0.700	1.252	0.682	0.608	0.612	1.138	0.836	0.851	0.706	0.736	0.671	2.037	0.896	0.771	0.726	0.774	0.767	0.746	0.752	0.780
06:00 PM		0.596	0.599	0.598	0.738	0.658	0.676	0.731	0.683	0.654	0.674	0.702	6.346	0.652	0.601	0.615	0.821	0.902	0.852	0.721	0.743	0.679	1.923	0.892	0.762	0.734	0.775	0.766	0.740	0.742	0.939
07:00 PM		0.611	0.602	0.599	0.739	0.650	0.680	0.829	0.686	0.652	0.673	0.712	4.193	0.640	0.604	0.615	0.782	0.803	0.828	0.711	0.731	0.676	3.345	0.888	0.769	0.738	0.780	0.762	0.743	0.743	0.912
08:00 PM		0.611	0.605	0.596	0.739	0.647	0.675	0.840	0.670	0.649	0.672	0.715	1.371	0.638	0.599	0.624	2.510	1.978	0.819	0.719	0.708	0.677	3.151	0.878	0.762	0.745	0.783	0.781	0.744	0.745	0.908
09:00 PM		0.614	0.605	0.601	0.656	0.655	0.688	0.916	0.688	0.657	0.686	0.720	0.922	0.633	0.616	0.618	1.314	0.887	0.820	0.713	0.714	0.666	3.038	0.871	0.745	0.750	0.775	0.768	0.741	0.765	0.814
10:00 PM		0.596	0.598	0.613	0.634	0.652	0.674	1.052	0.672	0.652	0.693	0.709	0.821	0.624	0.613	0.624	1.349	0.817	0.801	0.716	0.721	0.667	2.122	0.866	0.753	0.748	0.776	0.773	0.755	0.748	0.781
11:00 PM	0.586	0.576	0.588	0.594	0.614	0.644	0.675	1.126	0.661	0.635	0.692	0.689	0.758	0.616	0.603	0.599	0.879	0.816	0.767	0.696	0.700	0.670	1.410	0.846	0.729	0.737	0.757	0.743	0.730	0.728	0.729
AVG.	0.575	0.597	0.620	0.581	0.657	0.625	0.657	0.743	0.743	0.649	0.649	0.701	1.213	0.726	0.605	0.605	1.068	0.902	1.118	0.717	0.751	0.672	1.800	0.981	0.778	0.722	0.754	0.757	0.743	0.730	0.781
Precip.:	0.00	0.01	0.05	0.00	0.09	0.00	0.00	0.19	0.12	0.00	0.00	0.00	0.77	0.13	0.00	0.00	0.69	0.17	0.39	0.00	0.11	0.01	1.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	



	Average	e Hourly	Dry Flow	,		April 17,	2021 thro	ough May	16, 2021																						
2021	04/17	04/18	04/19	04/20	04/21	04/22	04/23	04/24	04/25	04/26	04/27	04/28	04/29	04/30	05/01	05/02	05/03	05/04	05/05	05/06	05/07	05/08	05/09	05/10	05/11	05/12	05/13	05/14	05/15	05/16	Average
12:00 AM	0.559			0.570		0.606	0.621			0.640	0.617				0.607	0.592															0.602
01:00 AM	0.540			0.551		0.580	0.620			0.632	0.610				0.596	0.576															0.588
02:00 AM	0.534			0.545		0.574	0.608			0.618	0.592				0.589	0.571															0.579
03:00 AM	0.526			0.536		0.569	0.599			0.608	0.582	0.642			0.575	0.563															0.578
04:00 AM	0.529			0.536		0.569	0.602			0.614	0.584	0.635			0.573	0.552															0.577
05:00 AM	0.529			0.536		0.572	0.609			0.617	0.590	0.650			0.570	0.545															0.580
06:00 AM	0.537			0.548		0.583	0.621			0.626	0.599	0.662			0.572	0.559															0.590
07:00 AM	0.547			0.576		0.614	0.658			0.657	0.636	0.686			0.600	0.573															0.616
08:00 AM	0.570			0.586		0.644	0.663			0.671	0.659				0.620	0.590															0.625
09:00 AM	0.594			0.592		0.643	0.685			0.670	0.648				0.628	0.618															0.635
10:00 AM				0.601		0.654	0.689			0.679	0.662				0.633	0.633															0.644
11:00 AM	0.611			0.609		0.642	0.689			0.687	0.662				0.637	0.638															0.647
12:00 PM	0.613			0.588		0.641	0.685			0.665	0.665				0.631	0.653															0.643
01:00 PM	0.617			0.593		0.642	0.683			0.674	0.685				0.625	0.646															0.646
02:00 PM	0.608			0.591		0.638	0.656			0.659	0.672				0.608	0.642															0.634
03:00 PM	0.592			0.599		0.638	0.664			0.663	0.667				0.606	0.632															0.633
04:00 PM	0.590			0.592		0.639	0.671			0.645	0.665	0.708			0.605	0.621															0.637
				0.594		0.645	0.669			0.651	0.681	0.700			0.608	0.612															0.639
06:00 PM	0.584			0.598		0.658	0.676			0.654	0.674	0.702			0.601	0.615															0.640
07:00 PM	0.581			0.599		0.650	0.680			0.652	0.673				0.604	0.615															0.631
08:00 PM	0.584			0.596		0.647	0.675			0.649	0.672				0.599	0.624															0.631
09:00 PM	0.586			0.601		0.655	0.688			0.657	0.686				0.616	0.618															0.638
10:00 PM	0.590			0.613		0.652	0.674			0.652	0.693				0.613	0.624															0.639
11:00 PM	0.586			0.594		0.644	0.675			0.635					0.603	0.599															0.620
AVG.	0.575			0.581		0.625	0.657			0.649	0.647	0.673			0.605	0.605															0.620
Precip.:	0.00	0.01	0.05	0.00	0.09	0.00	0.00	0.19	0.12	0.00	0.00	0.00	0.77	0.13	0.00	0.00	0.69	0.17	0.39	0.00	0.11	0.01	1.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	







Date:	4/17/2021	4/18/2021	4/19/2021	4/20/2021	4/21/2021	4/22/2021	4/23/2021	4/24/2021	4/25/2021	4/26/2021	4/27/2021	4/28/2021	4/29/2021	4/30/2021	5/1/2021	5/2/2021
Flow (GPD):	0	0	27,501	0	23,840	0	0	70,629	122,718	28,512	28,056	80,502	592,567	107,227	0	0
Precip. (In.):	0.00	0.01	0.05	0.00	0.09	0.00	0.00	0.19	0.12	0.00	0.00	0.00	0.77	0.13	0.00	0.00
Date:	5/3/2021	5/4/2021	5/5/2021	5/6/2021	5/7/2021	5/8/2021	5/9/2021	5/10/2021	5/11/2021	5/12/2021	5/13/2021	5/14/2021	5/15/2021	5/16/2021		
Flow (GPD):	450,979	281,379	497,824	96,196	130,642	51,559	1,179,407	360,537	157,428	101,387	133,529	136,799	122,656	109,238		
Precip. (In.):	0.69	0.17	0.39	0.00	0.11	0.01	1.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00		



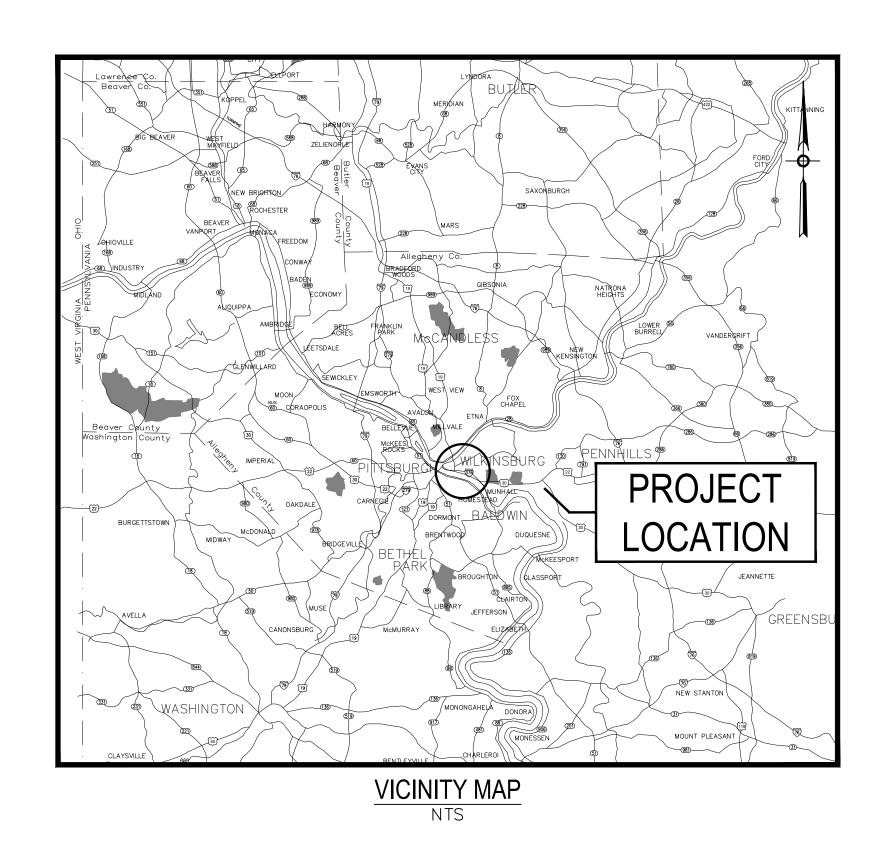
DRAWINGS

FIFTH AND DINWIDDIE DEVELOPMENT - EAST SITE

WATER AND SEWER TAP AND TERMINATION PLAN

PITTSBURGH WATER AND SEWER AUTHORITY

95% DESIGN DRAWINGS





JUNE 16, 2021

INDEX OF WATER AND SEWER TAP PLAN DRAWINGS

SHEET NO.

TITLE

WATER AND SEWER TAP AND TERMINATION PLAN - COVER SHEET T-2 WATER AND SEWER TERMINATION PLAN - WATER & SANITARY SEWER - DINWIDDIE STREET PITTSBURGH, PA 15219 T-3WATER AND SEWER TERMINATION PLAN - WATER & SANITARY SEWER - SITE UTILITY DETAILS WATER AND SEWER TAP PLAN - WATER & SANITARY SEWER - DINWIDDIE STREET PITTSBURGH, PA 15219 WATER AND SEWER TAP PLAN - WATER & SANITARY SEWER - TAP-IN SCHEDULE WATER AND SEWER TAP PLAN - WATER & SANITARY SEWER - SITE WATER UTILITY DETAILS WATER AND SEWER TAP PLAN - WATER & SANITARY SEWER - SITE WATER UTILITY DETAILS WATER AND SEWER TAP PLAN - STORM SEWER - DINWIDDIE STREET PITTSBURGH, PA 15219 WATER AND SEWER TAP PLAN - STORM SEWER - PRIVATE STORM STRUCTURE DATA TABLES & ENLARGED STORM SEWER PLANS

WATER AND SEWER TAP PLAN - STORM SEWER - SITE STORM UTILITY DETAILS

	PEAK DAILY FL	OW DEMANDS									
To be completed by the Applicant:											
TYPE OF FLOW	SANITARY, GPD	WATER, GPD	STORM, CFS								
PROJECT FLOW	4,495	4,490	1.62								
EXISTING FLOW	2,139	2,139	1.87								
NET FLOW	2,356	2,351	NOT REQUIRED								
PWSA W&S USE (If required)	APPROVAL DATE										
DEP SFPM APPR (If required)	OVAL DATE										

	PEAK OPERATING WATER DEMANDS												
To b	To be completed by the Applicant:												
	METER INFORMATION DOMESTIC SYSTEM FIRE SYSTEM												
I.D.	QUANTITY	SIZE	TYPE	USE	FLOW, GPM	PRESSURE, PSI	FLOW, GPM	PRESSURE, PSI					
Α	A 1 XX XX COMBINATION 30 XX 360 XX												
В	В												
С													
D													
E	E												
MET	METER SIZE: 5/8", 5/8"x3/4", 3/4", 1", 2", 3", 4", 6", 8", 10", 12", 16"												
MET	METER TYPE: POSITIVE DISPLACEMENT, COMPOUND, ELECTROMAGNETIC, ULTRASONIC, TURBINE												
MET	METER USE: DOMESTIC, FIRE, COMBINATION												

Michael Baker INTERNATIONAI 100 Airside Drive Moon Township, PA 15108 Fax: 412-375-3977

OWNER: Fifth and Dinwiddie Development, LLC **CIVIL ENGINEER:** Michael Baker International **ARCHITECT: GBBN Architects**

CONSTRUCTION

MASTER PLANNERS / LANDSCAPE ARCHITECT:

ACROSS 5TH AVE FROM LOCATION 1807 5TH AVE STATIC PRESSURE, PSI RESIDUAL PRESSURE. PSI **CALCULATIONS** PROJECTED FLOW AT 20 PSI. GPM

HYDRANT FLOW TEST RESULTS

To be completed by the Applicant:

HYDRANT PERMIT NUMBER

LOCATION AND 5TH AVE

FLOW OBSERVED, GPM _

PRESSURE HYDRANT

HYDRANT NUMBER _

FLOW HYDRANT

DATE OF TEST ______09/09/2020

PERFORMED BY ___MICHAEL BAKER INTI

NUMBER <u>A681</u> NE CORNER OF MILTENBERGER

SPRINKLER SYSTEM DESIGN INFORMATION

Description Date To be completed by the Applicant: LOCATION(S): TYPE OF SYSTEM (Check one) _____ 13 ____ OTHER: SYSTEM CONFIGURATION (Check one) STAND-ALONE SPRINKLER SYSTEM MULTI-PURPOSE SPRINKLER SYSTEM **HOSE DEMANDS** (N/A for 13D systems) 176433 Project Number: INSIDE HOSE DEMAND, GPM

Drawn By: THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK To be completed by the Applicant:

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)

OUTSIDE HOSE DEMAND, GPM

REVIEWER

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER

DATE: 06/16/2021

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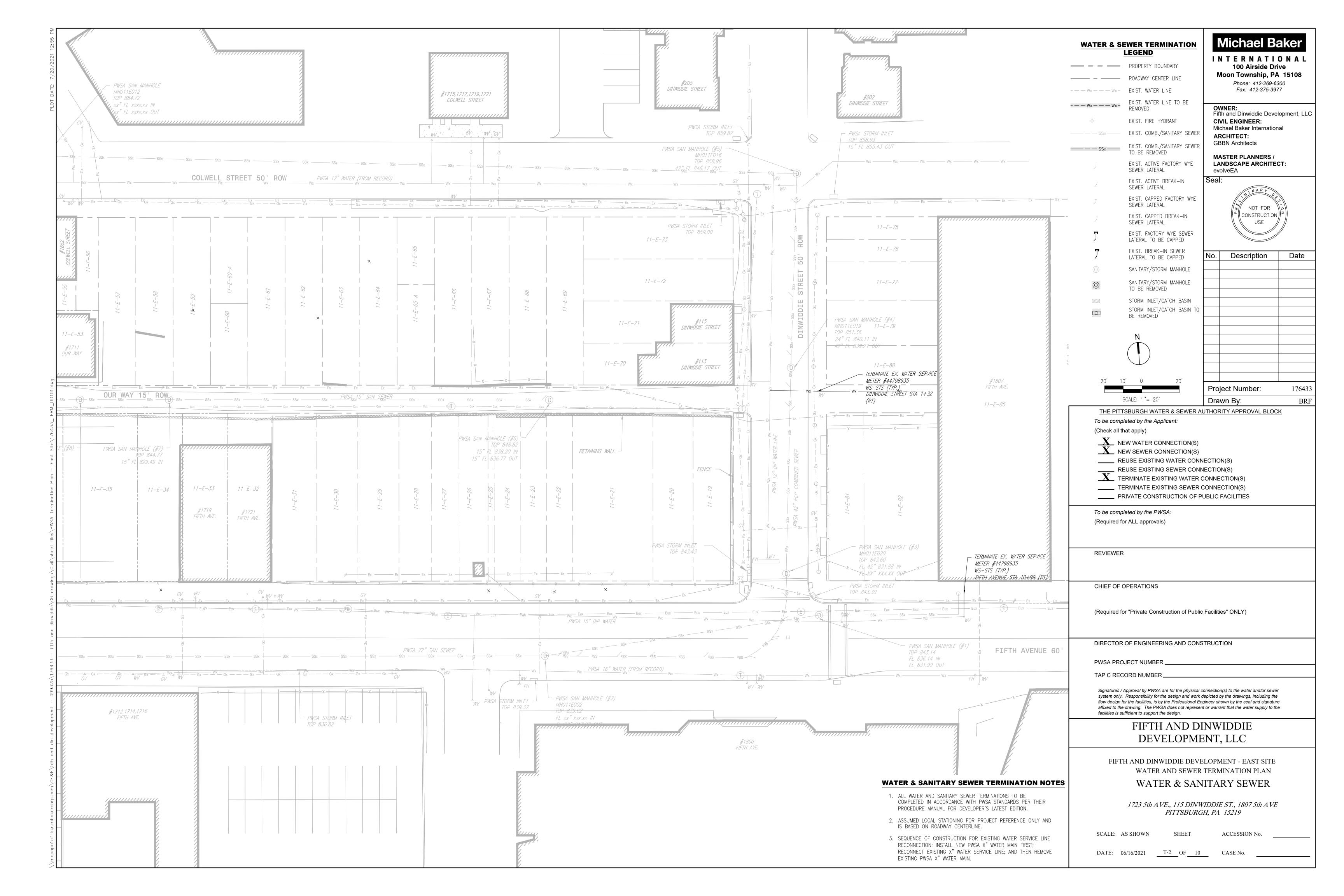
FIFTH AND DINWIDDIE DEVELOPMENT, LLC

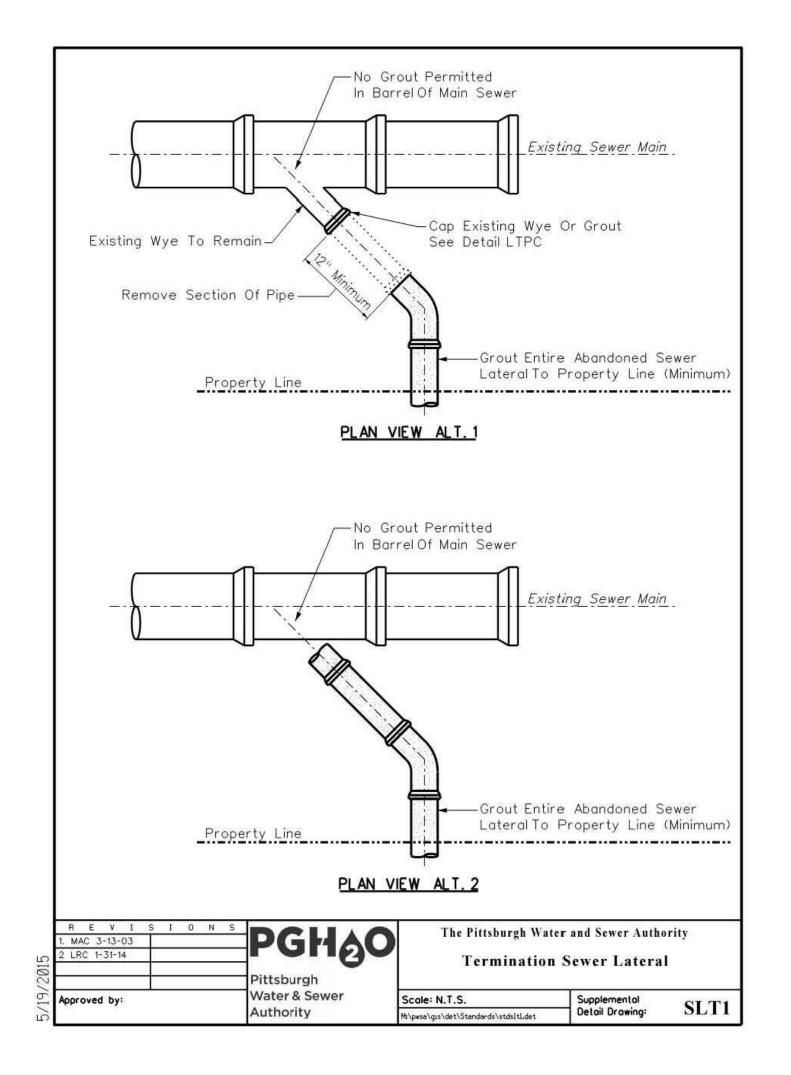
FIFTH AND DINWIDDIE DEVELOPMENT - EAST SITE WATER AND SEWER TAP PLAN

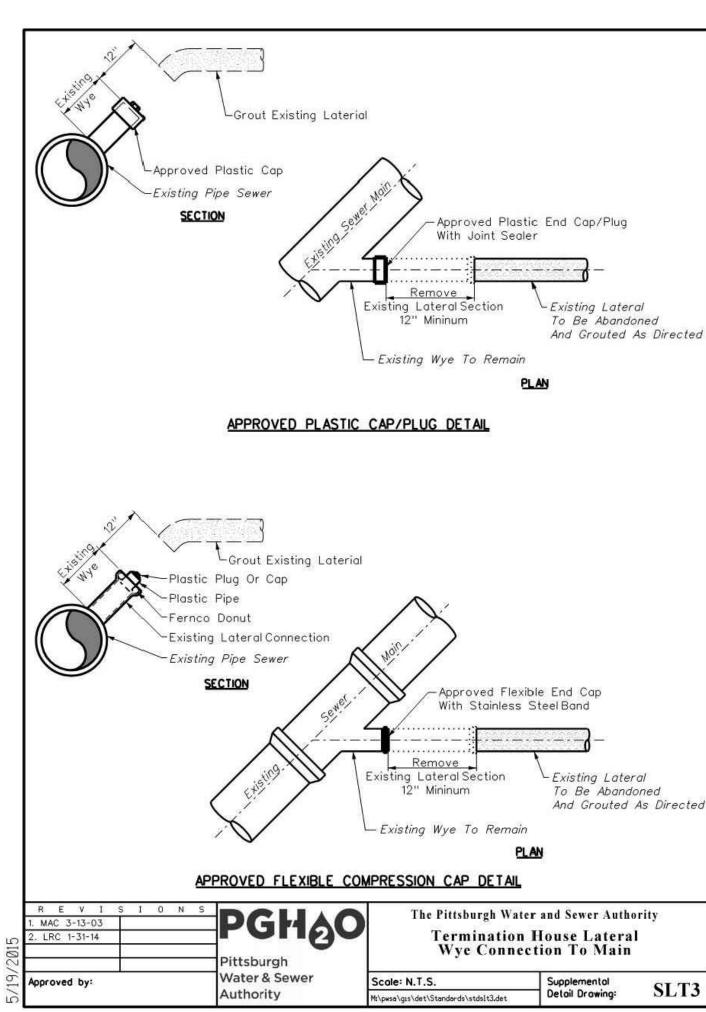
COVER SHEET

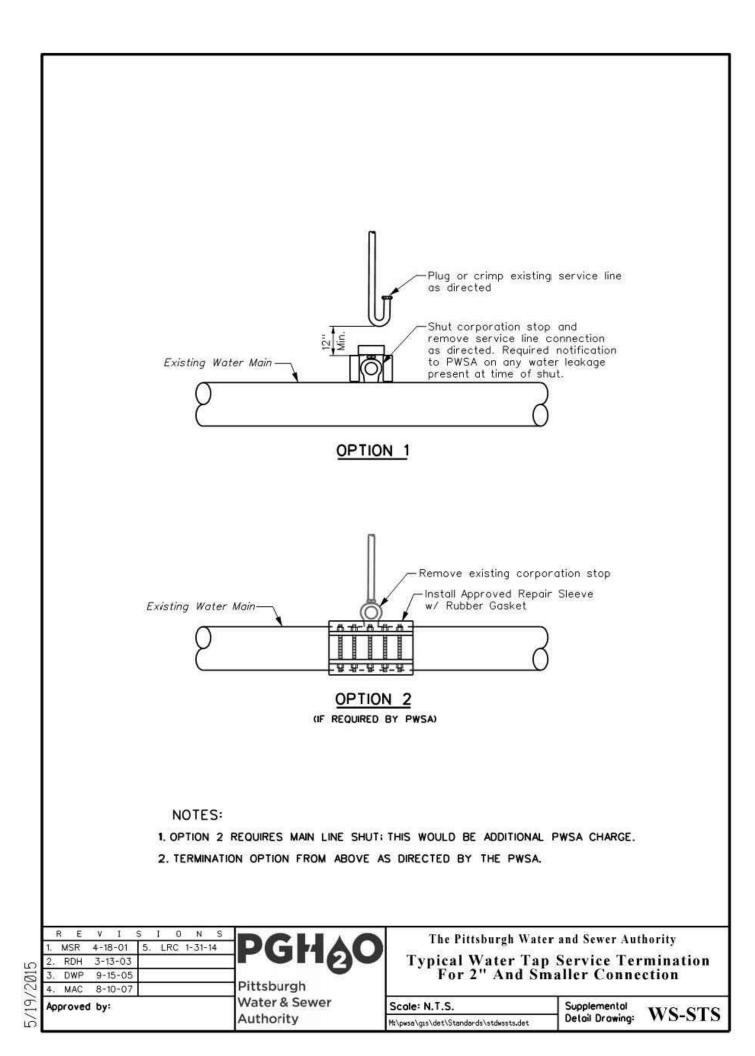
ACCESSION No.

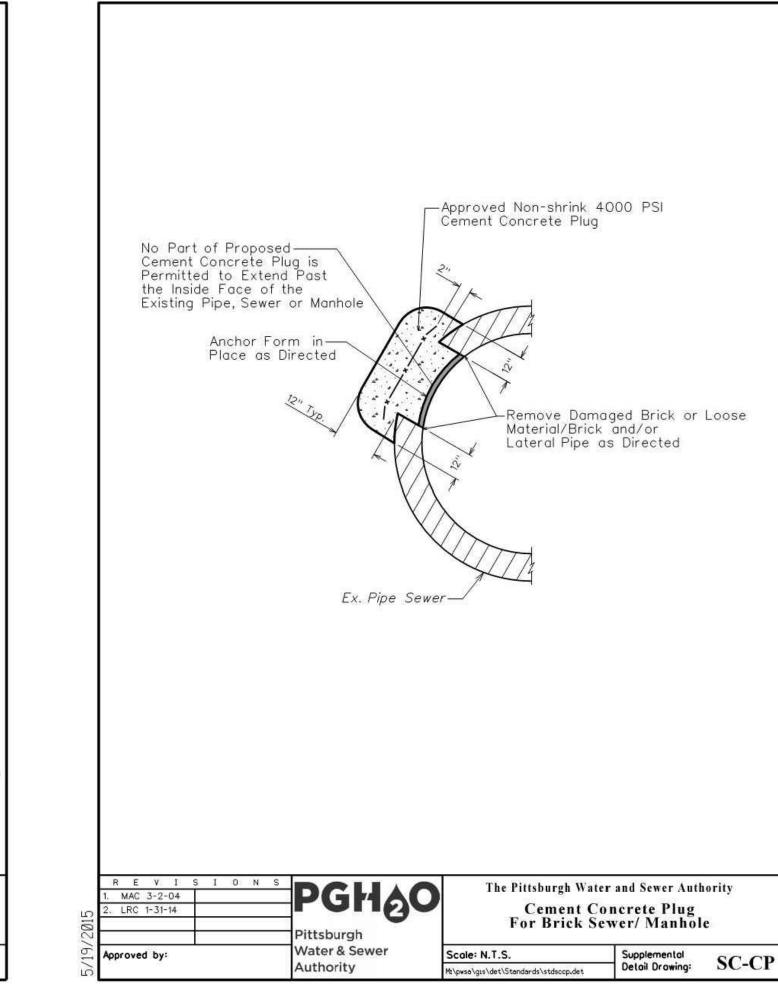
1 OF 10

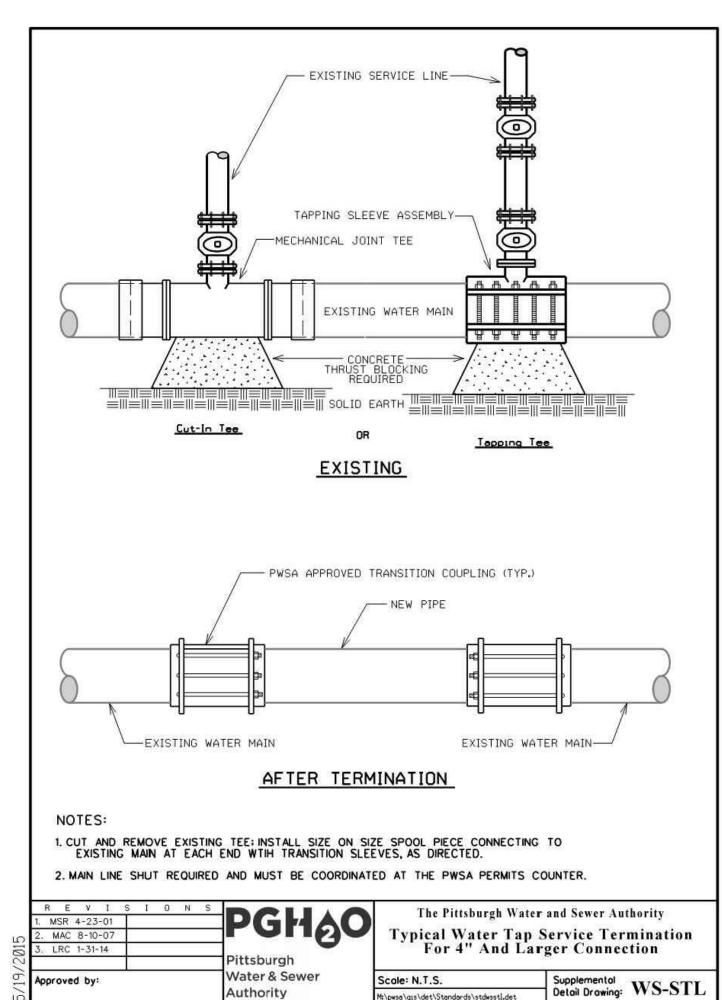












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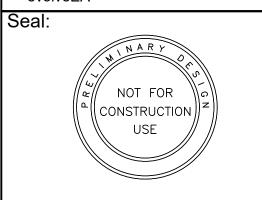
Authority



INTERNATIONAL 100 Airside Drive Moon Township, PA 15108 Phone: 412-269-6300 Fax: 412-375-3977

OWNER: Fifth and Dinwiddie Development, LLC **CIVIL ENGINEER:** Michael Baker International ARCHITECT: **GBBN Architects**

MASTER PLANNERS / LANDSCAPE ARCHITECT: evolveEA



No.	Description	Date
Proje	ect Number:	176433
Draw	n By:	BRF
ALITHORI	TV APPROVAL BLOC	.K

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK

To be completed by the Applicant: (Check all that apply)

> NEW WATER CONNECTION(S) X 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

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER _

TAP C RECORD NUMBER _

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FIFTH AND DINWIDDIE DEVELOPMENT, LLC

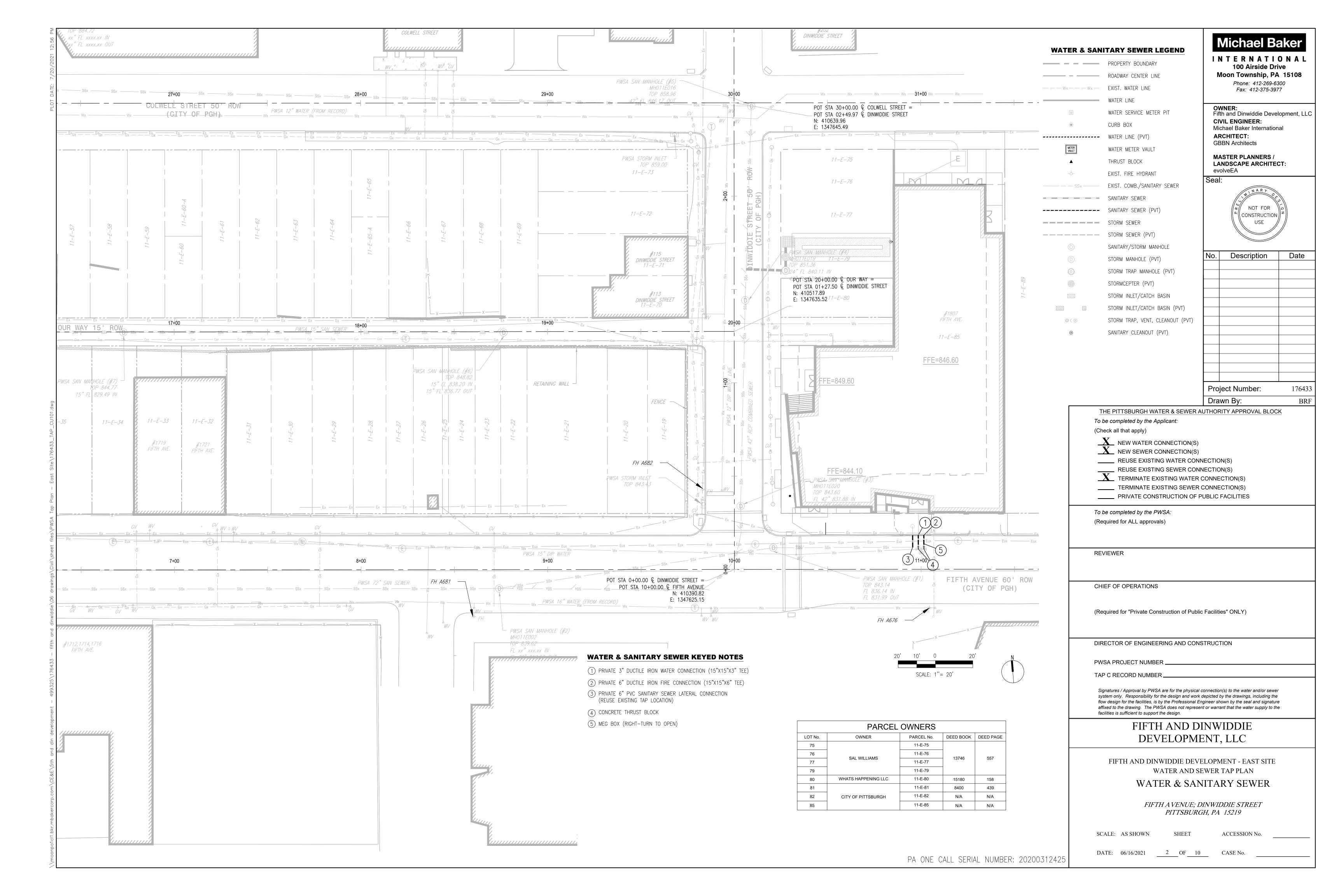
FIFTH AND DINWIDDIE DEVELOPMENT - EAST SITE WATER AND SEWER TERMINATION PLAN

WATER & SANITARY SEWER

SITE UTILITY DETAILS

SCALE: AS SHOWN ACCESSION No.

T-3 OF 10 DATE: 06/16/2021 CASE No.



	SUMMARY OF BUILDING SERVICE ADDRESSES AND WATER / SANITARY SEWER TAPS													
SHEET BUILDING	STREET ADDRESS	FINISH NO. OF LIMITS				DOMESTIC / FIRE WATER	SERVICE					SANITARY SEWER SE	RVICE	
NO. NO.	SIKEEL ADDKESS	ELEVATION UNITS	SERVICE LINE SIZE	METER SIZE & TYPE	PEAK DEMAND	FIRE SPRINKLER DEMAND	BACKFLOW SIZE	TIE-IN LOCATION	BASELINE	BASELINE STATION	SERVICE LINE SIZE	TIE-IN LOCATION	BASELINE	BASELINE STATION

Michael Baker

INTERNATIONAL 100 Airside Drive Moon Township, PA 15108 Phone: 412-269-6300 Fax: 412-375-3977

OWNER:Fifth and Dinwiddie Development, LLC CIVIL ENGINEER:
Michael Baker International ARCHITECT: GBBN Architects

MASTER PLANNERS / LANDSCAPE ARCHITECT: evolveEA

NOT FOR [△] ((CONSTRUCTION))² USE

No.	Description	Date
Projec	ct Number:	1764
Drawr	n By:	BF

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK

To be completed by the Applicant: (Check all that apply)

X NEW WATER CONNECTION(S)
X 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

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

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FIFTH AND DINWIDDIE DEVELOPMENT, LLC

FIFTH AND DINWIDDIE DEVELOPMENT - EAST SITE WATER AND SEWER TAP PLAN

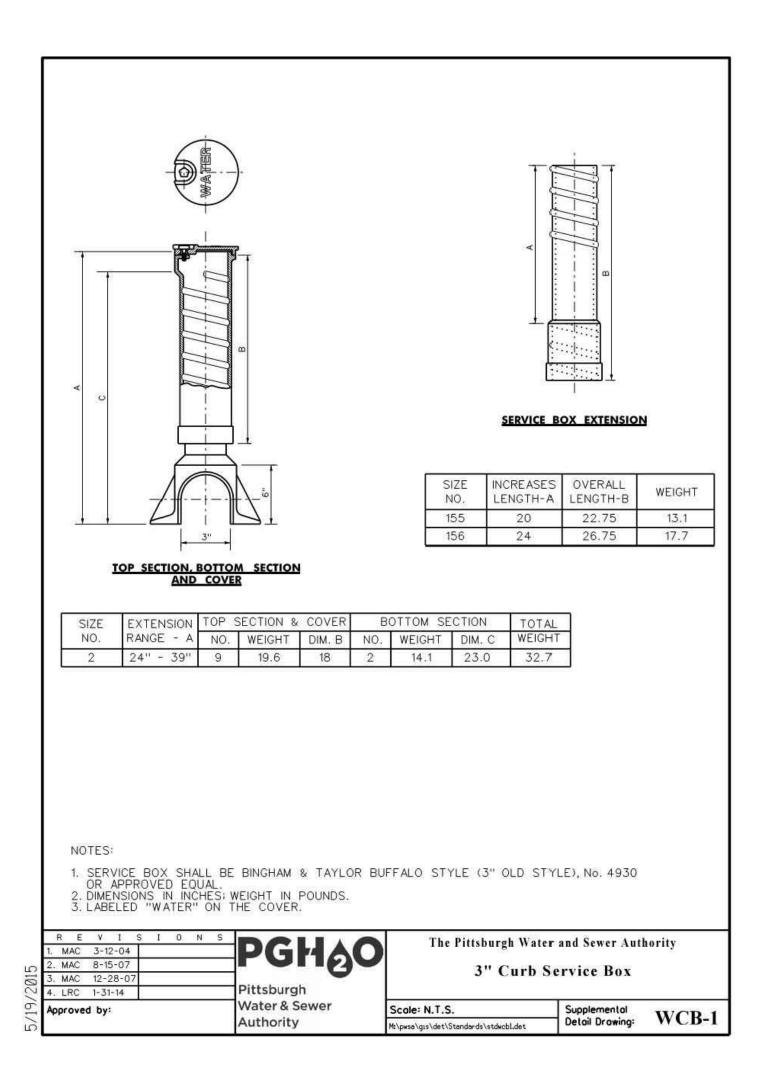
WATER & SANITARY SEWER

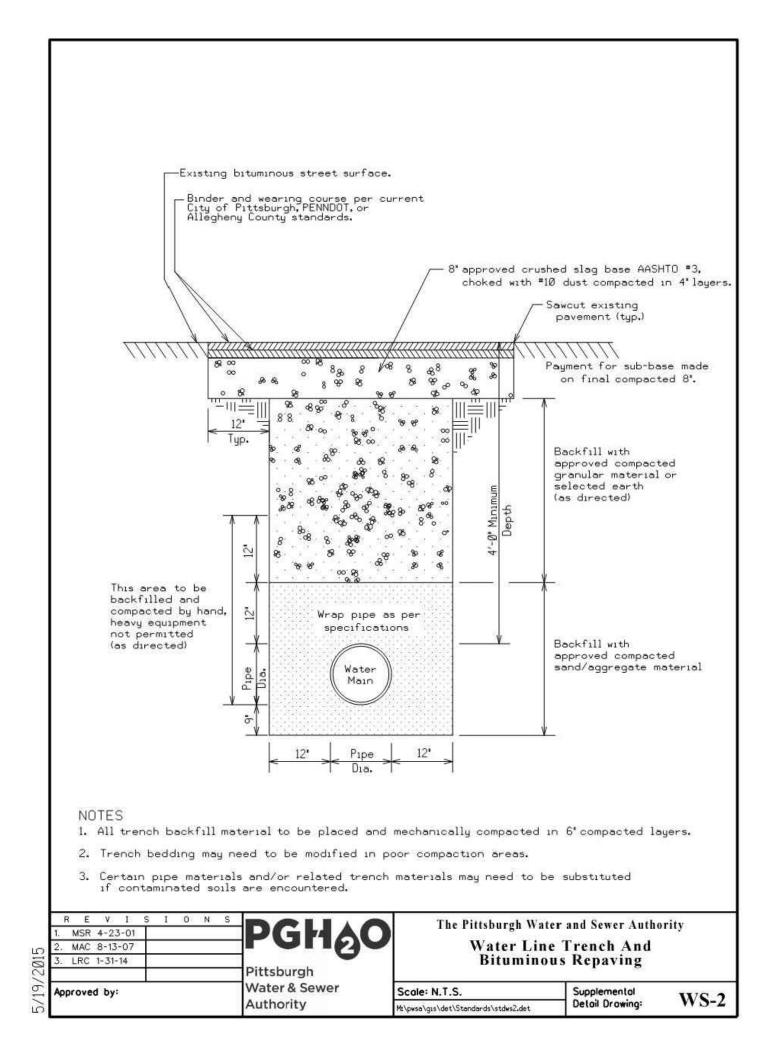
TAP-IN SCHEDULE

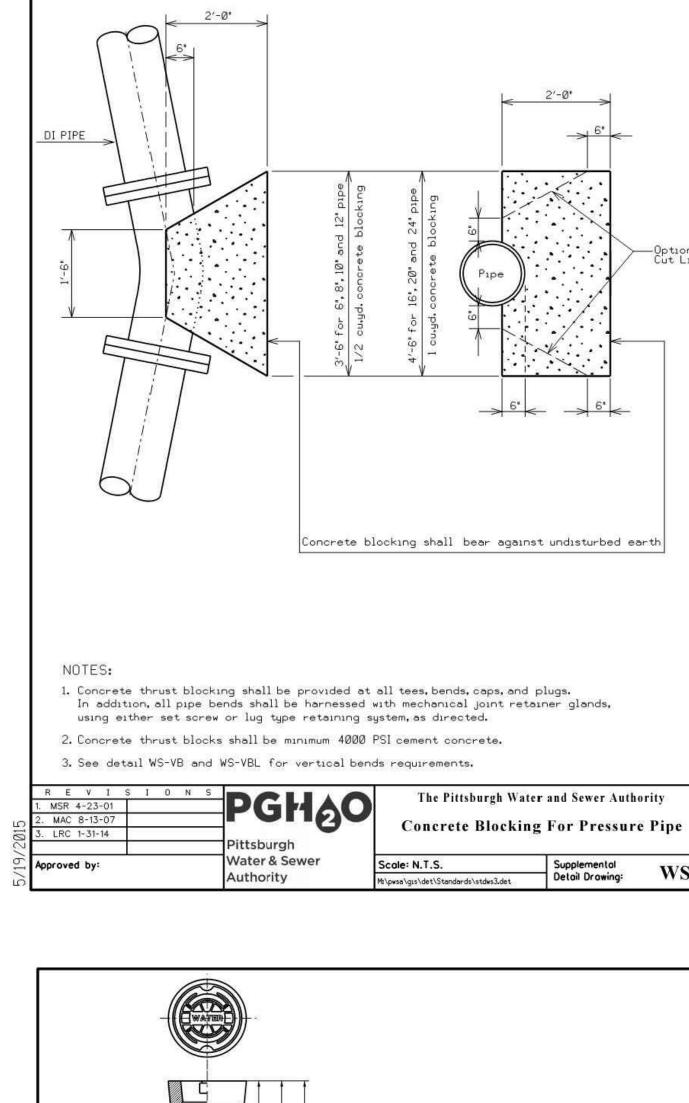
SCALE: AS SHOWN

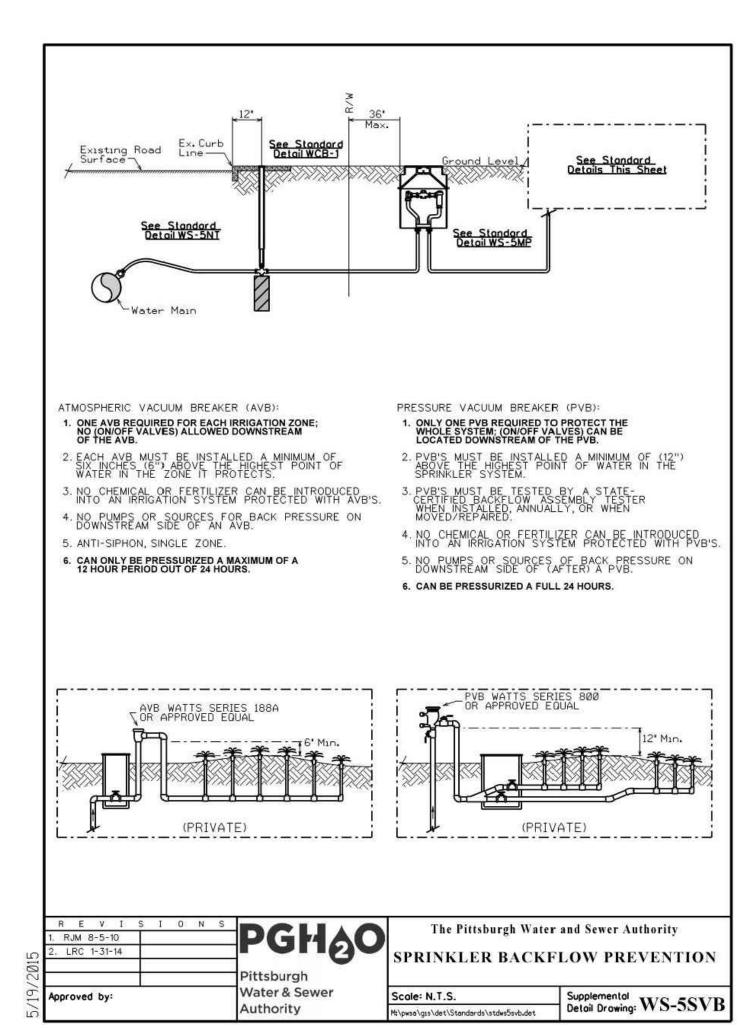
DATE: 06/16/2021 3 OF 10 CASE No.

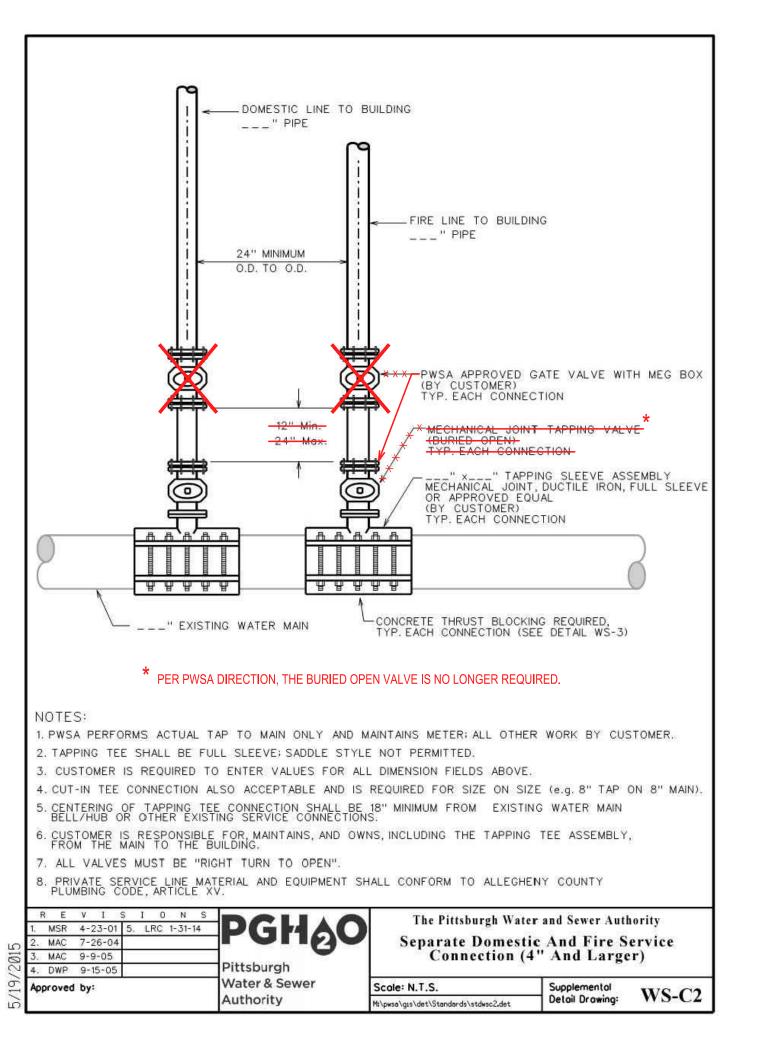
ACCESSION No.

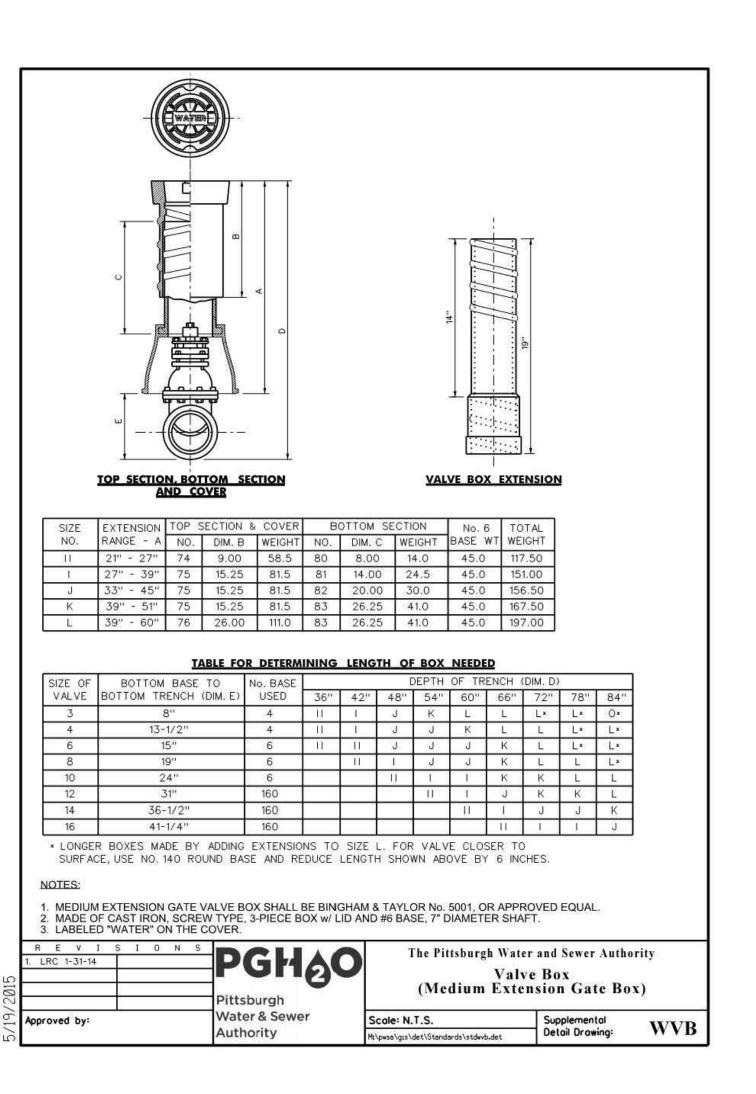










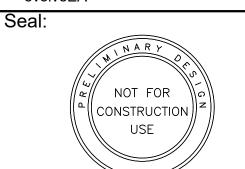




INTERNATIONAL 100 Airside Drive Moon Township, PA 15108 Phone: 412-269-6300 Fax: 412-375-3977

Fifth and Dinwiddie Development, LLC
CIVIL ENGINEER:
Michael Baker International
ARCHITECT:
GBBN Architects

MASTER PLANNERS /
LANDSCAPE ARCHITECT:
evolveEA



No.	Description	Date
Proje	ect Number:	17643
Draw	n By:	BR

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK

To be completed by the Applicant: (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 WATER CONNECTION(S)

TERMINATE EXISTING SEWER CONNECTION(S)

PRIVATE CONSTRUCTION OF PUBLIC FACILITIES

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

REVIEWER

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER ___

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FIFTH AND DINWIDDIE DEVELOPMENT, LLC

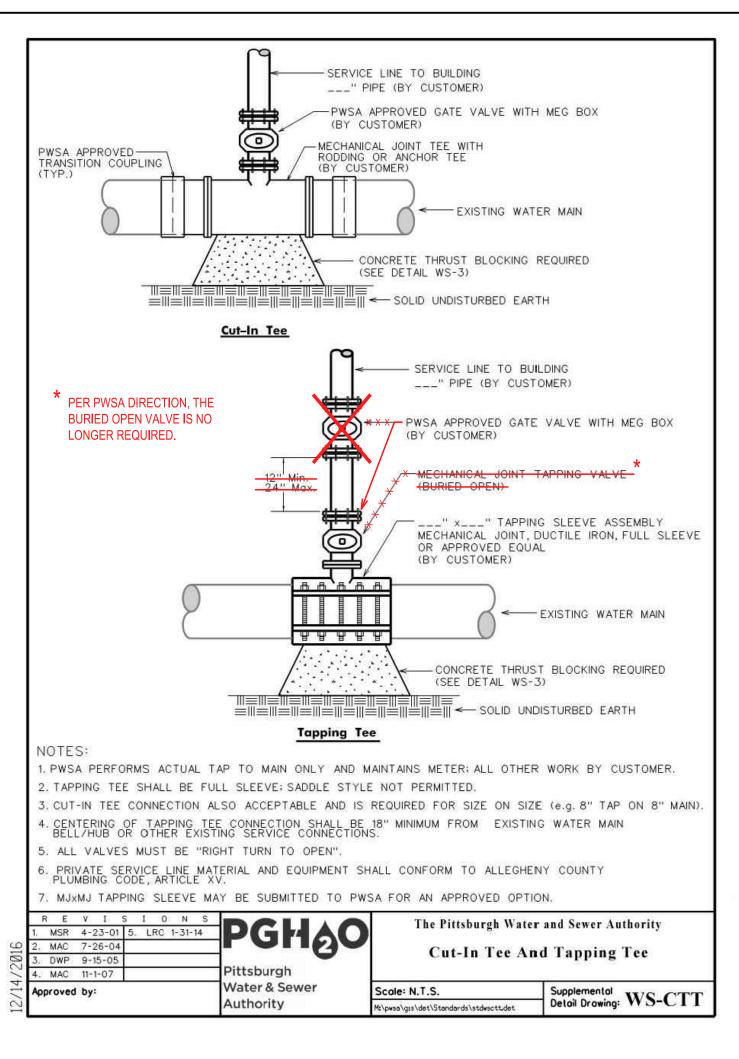
FIFTH AND DINWIDDIE DEVELOPMENT - EAST SITE WATER AND SEWER TAP PLAN

WATER & SANITARY SEWER

SITE UTILITY DETAILS

SCALE: AS SHOWN SHEET ACCESSION No.

DATE: 06/16/2021 4 OF 10 CASE No.



APPROVED PRIVATE DOUBLE DETECTOR CHECK

PER ASSE No. 1048 (INSTALLED BY CUSTOMER)

- GATE VALVE (TYP. 2)

- APPROVED PRIVATE DOUBLE DETECTOR CHECK

PER ASSE No. 1048 (INSTALLED BY CUSTOMER)

TYPE BACKFLOW PREVENTION ASSEMBLY

MANUFACTURER : _____

Pittsburgh Water and Sewer Authority

Typical Plumbing Schematic

Ineering & Construction Division M\pwso\gus\det\Standards\stdws5fplh.det Supplemental Detail Orawing: WS-5FPL1

Low Hazard Fire Protection Service

MODEL* : ______

TYPE BACKFLOW PREVENTION ASSEMBLY

MANUFACTURER : _____

SIZE : ____"

MODEL* : ______

PRIVATE FIRE SERVICE LINE

MAIN GATE-

%"x¾" PWSA APPROVED

BYPASS METER WITH REMOTE READER
(PURCHASED FROM AND INSTALLED
BY THE PITTSBURGH WATER AND
SEWER AUTHORITY) TO EXISTING
PRIVATE HAPDWAPE

PEAK FIRE PROTECTION DEMAND - ____ GPM

ALL ITEMS SHOWN EXCEPT THE BYPASS METER AND MIU SHALL BE FURNISHED AND INSTALLED BY THE CUSTOMER.

CUSTOMER TO PROVIDE DATA FOR CORRECT SIZE, MODEL, MANUFACTURER, AND PEAK FIRE DEMAND.

4. MANDATORY TEST REQUIRED AT TIME OF INSTALLATION PER IPC 312.9.2.
FIELD TESTING REQUIREMENTS AND REPORTING SHALL BE PER ASSE No. 5013 2.0 AND 3.0.

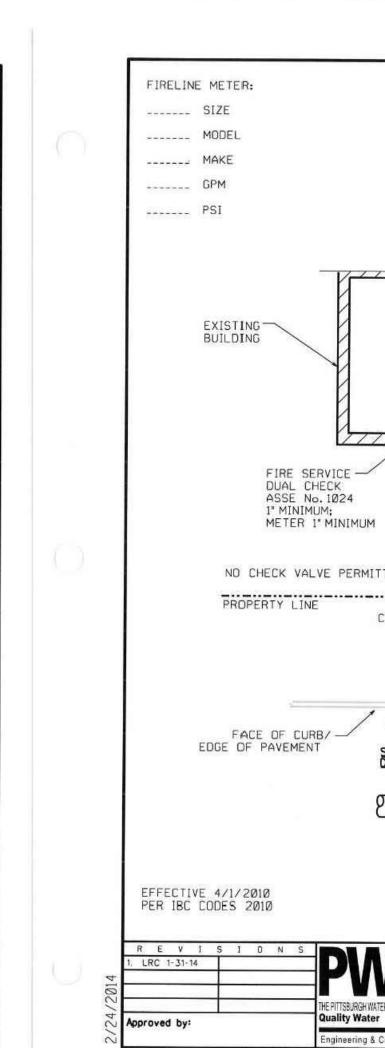
3. INSTALLATION OF ASSEMBLY IS PERMITTED IN VAULT, AS DIRECTED.

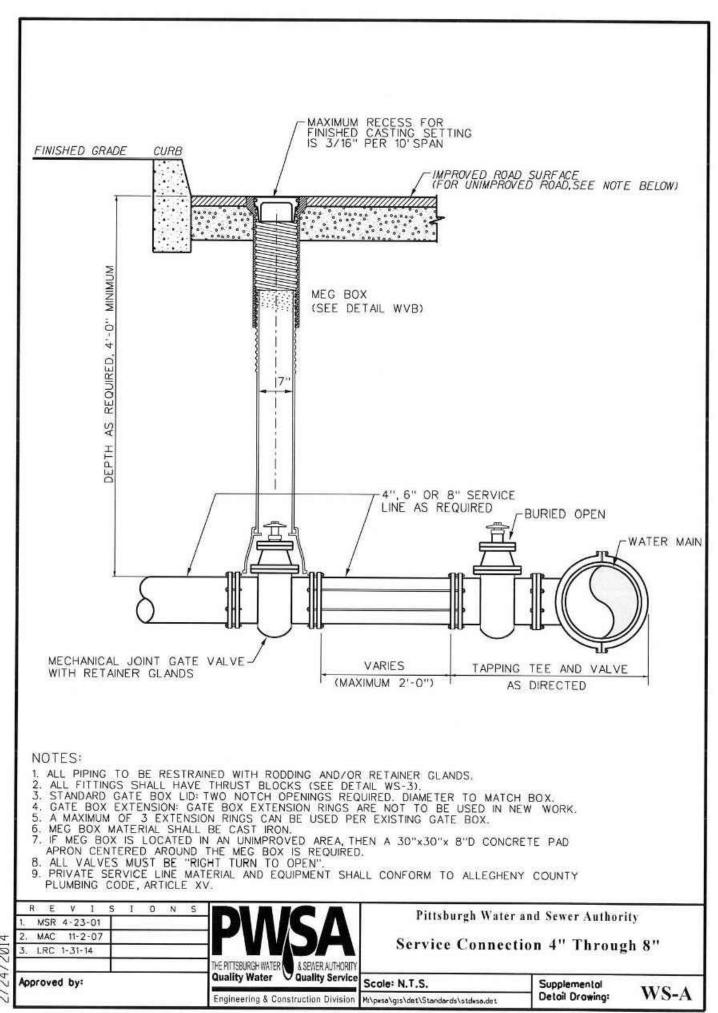
PRIVATE HARDWARE

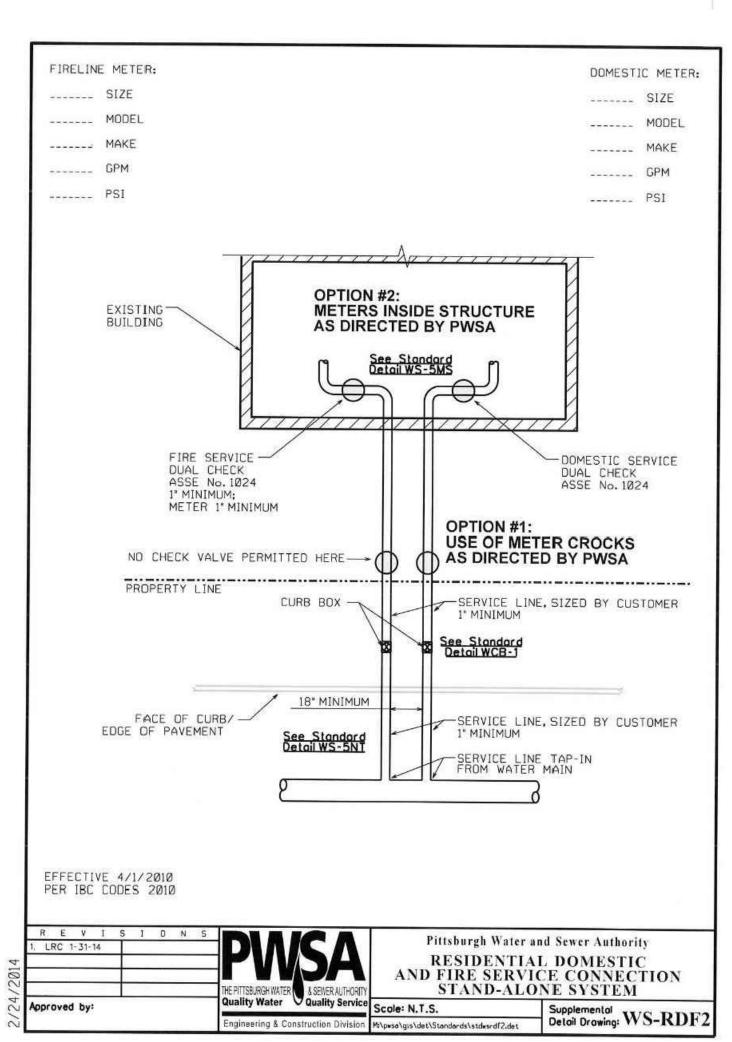
LRC 1-31-14

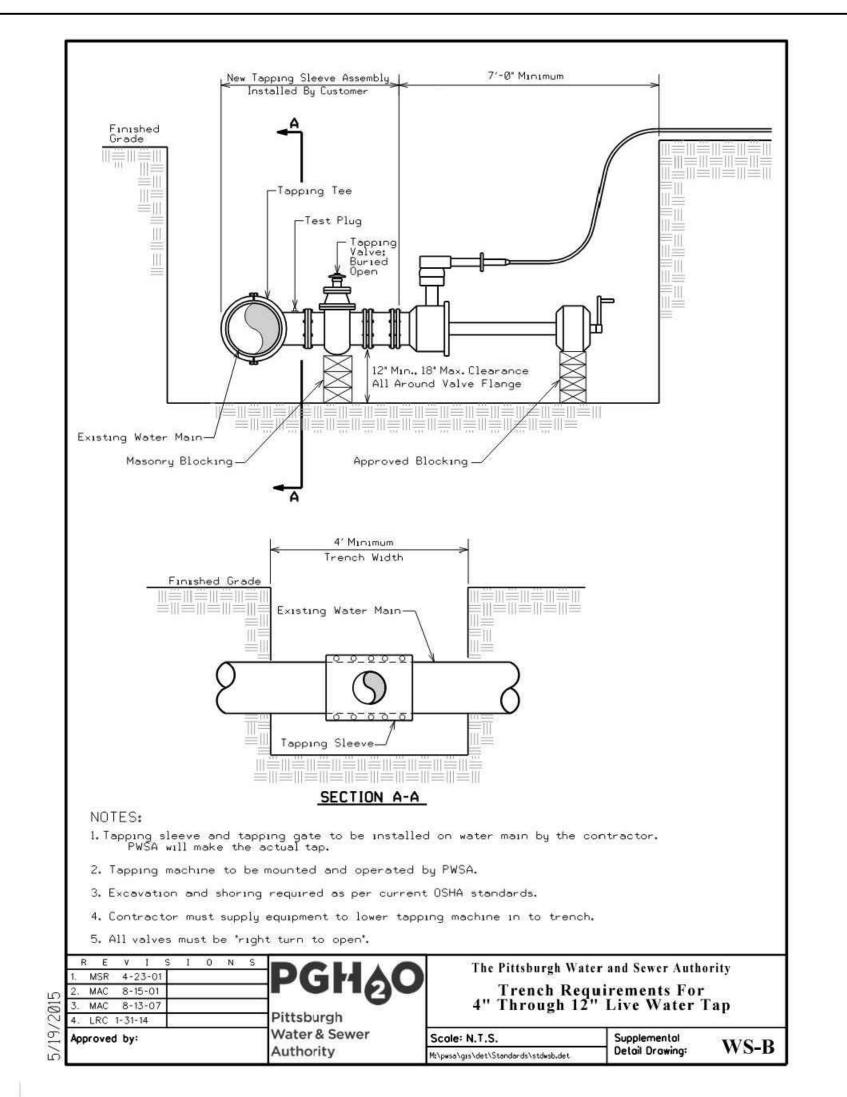
Approved by:

FIRE LINE MAIN-









Michael Baker

INTERNATIONAL 100 Airside Drive Moon Township, PA 15108 Phone: 412-269-6300 Fax: 412-375-3977

Fifth and Dinwiddie Development, LLC **CIVIL ENGINEER:** Michael Baker International ARCHITECT: **GBBN Architects**

MASTER PLANNERS / LANDSCAPE ARCHITECT: evolveEA

Seal: NOT FOR (CONSTRUCTION) USE

No.	Description	Date
Proje	ect Number:	17643
Draw	n By:	BR

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK

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(Check all that apply)

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NEW SEWER CONNECTION(S)

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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

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

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FIFTH AND DINWIDDIE DEVELOPMENT, LLC

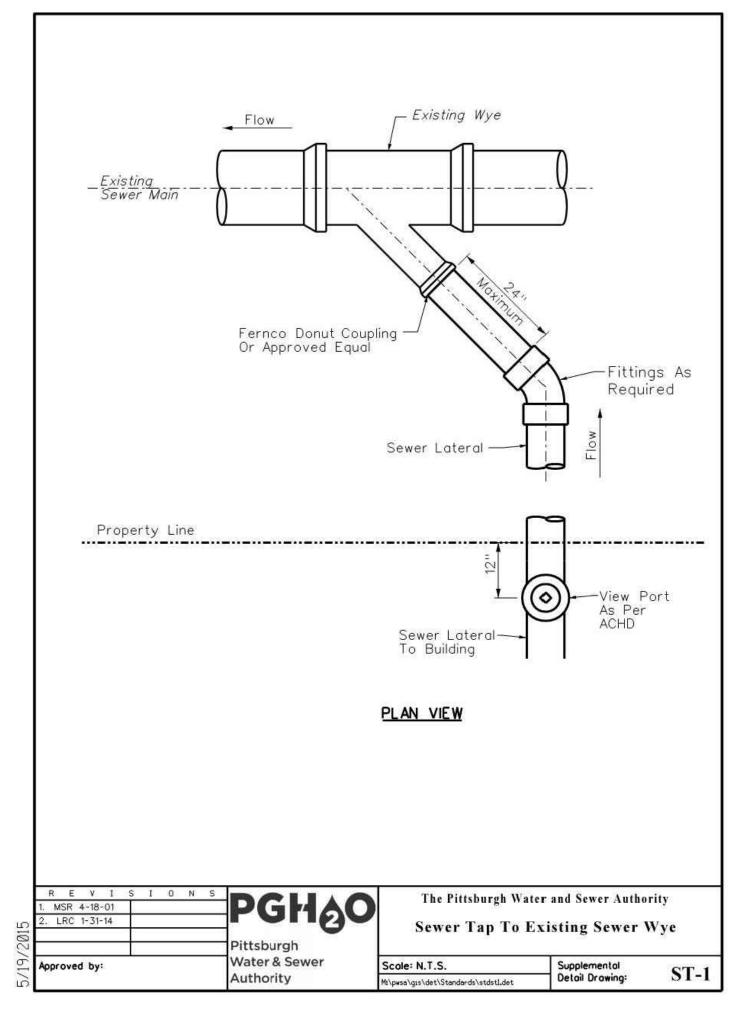
FIFTH AND DINWIDDIE DEVELOPMENT - EAST SITE WATER AND SEWER TAP PLAN

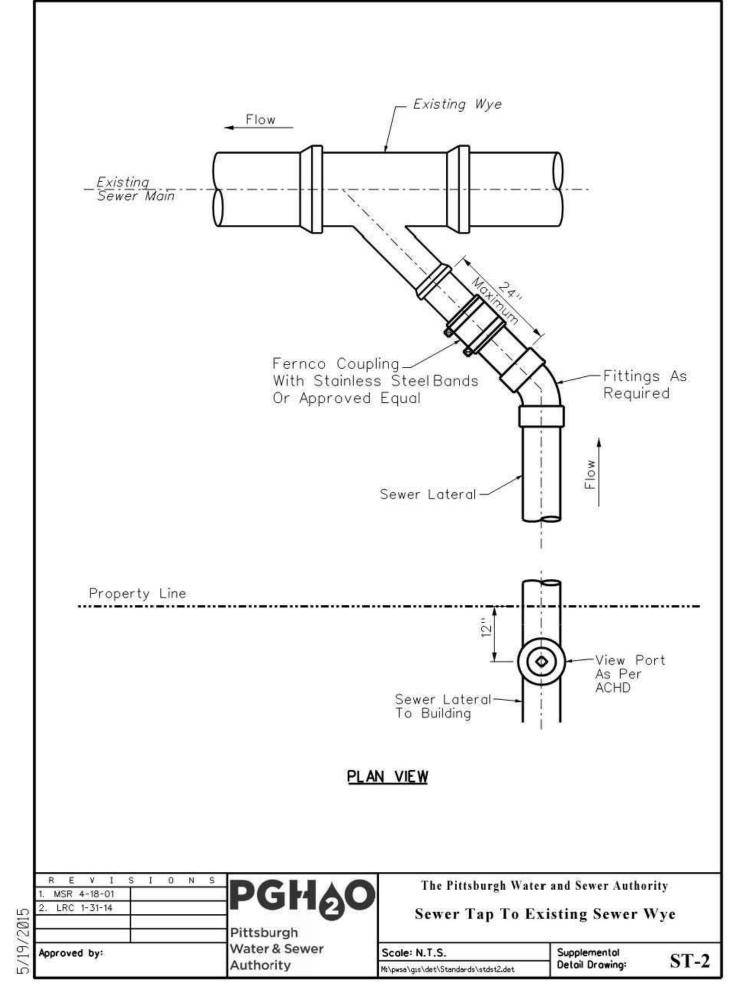
WATER & SANITARY SEWER

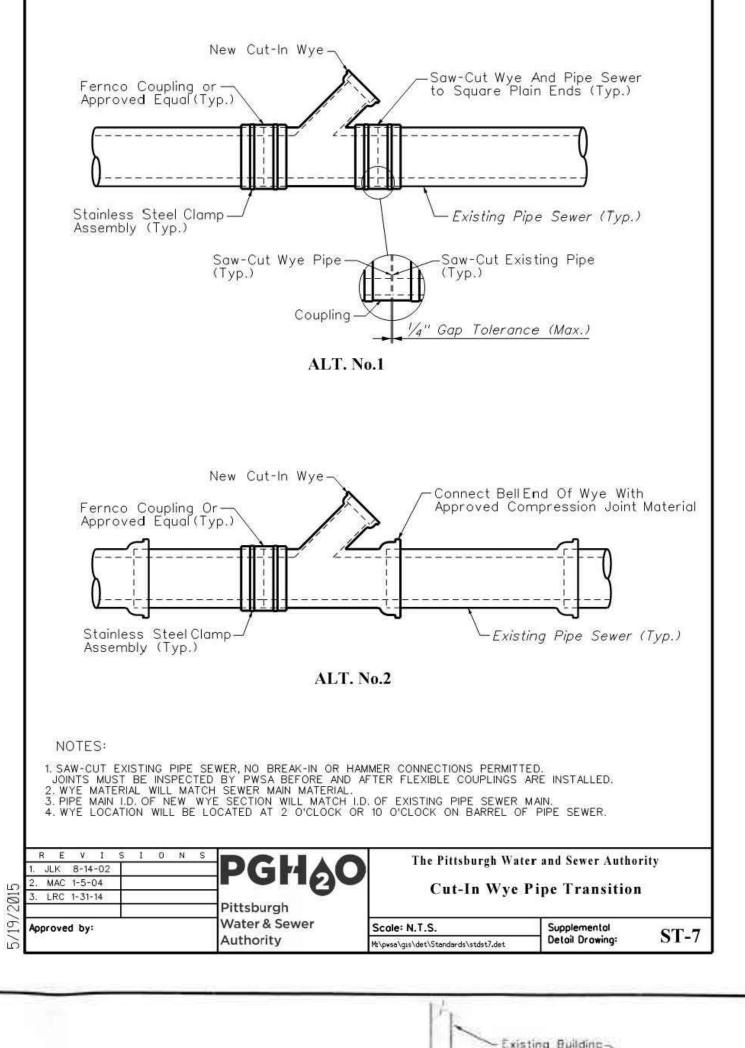
SITE UTILITY DETAILS

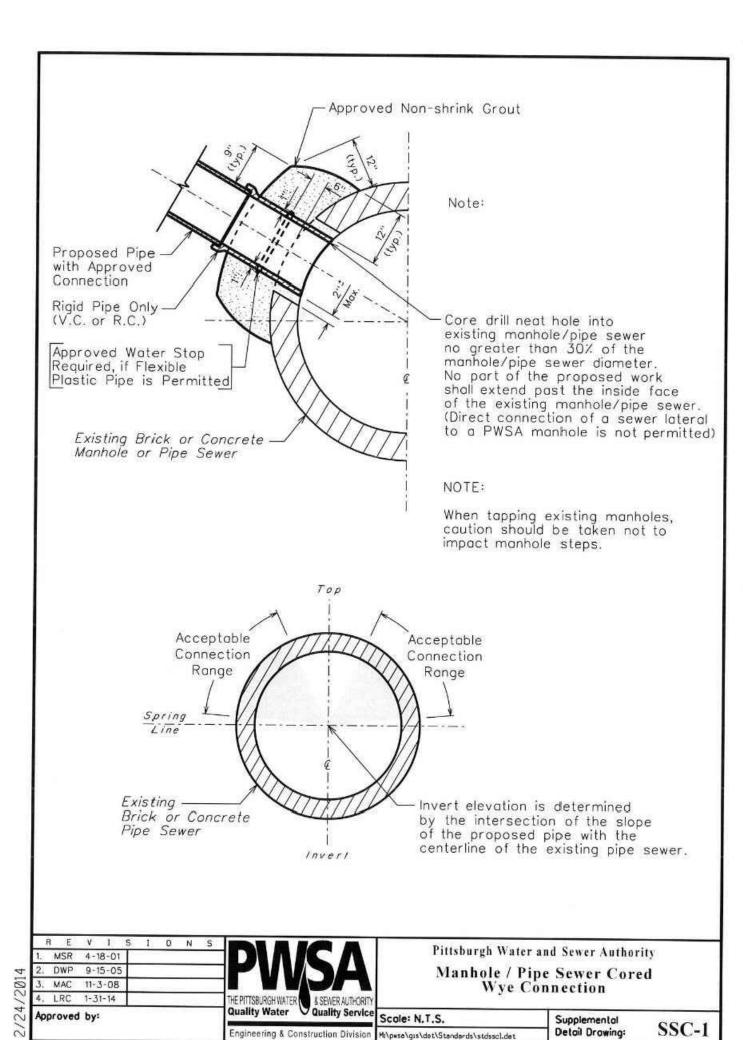
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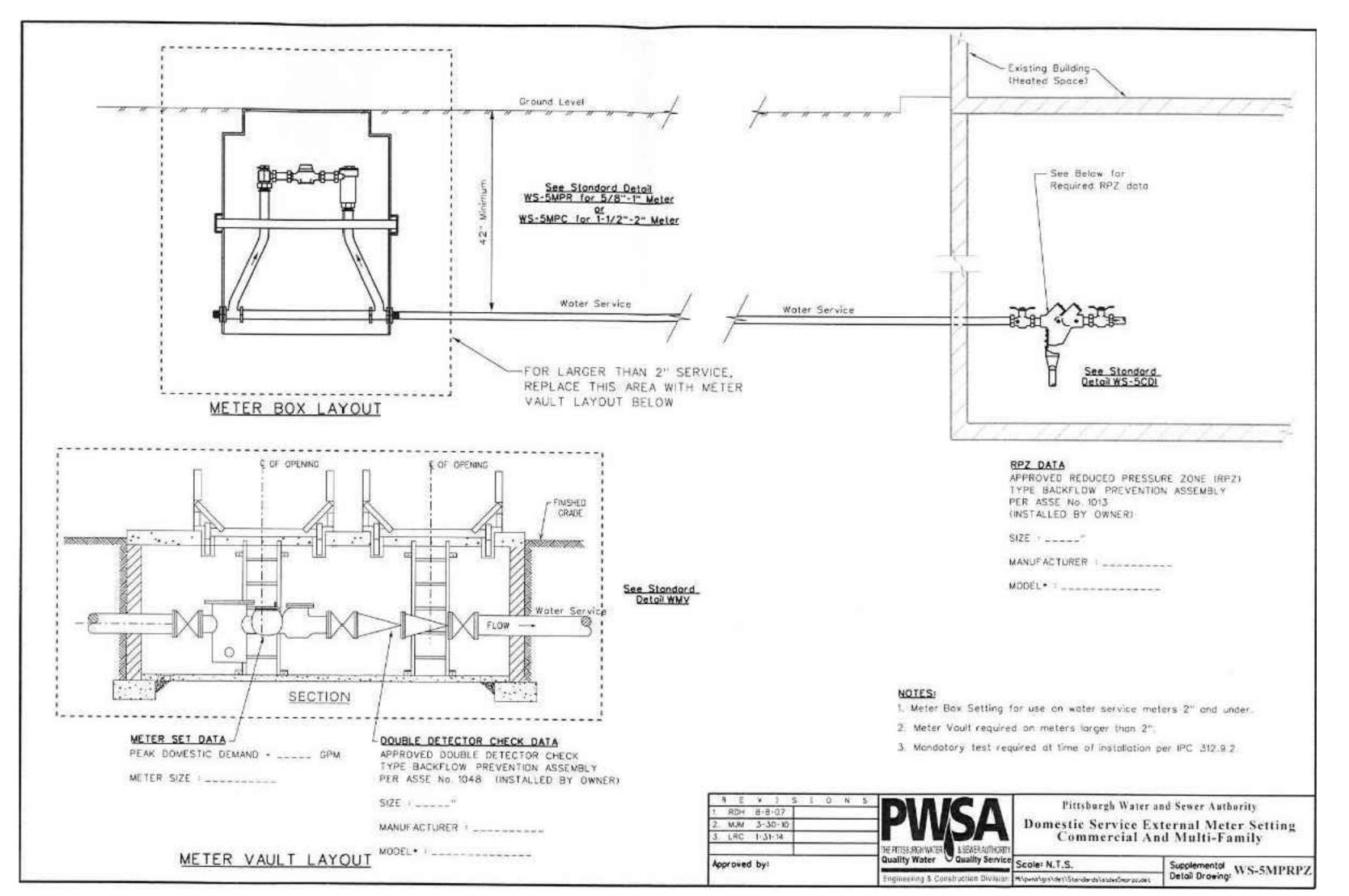
CASE No. DATE: 06/16/2021 5 OF 10









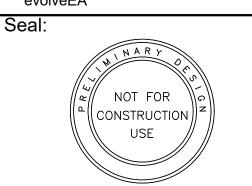


Michael Baker

INTERNATIONAL 100 Airside Drive Moon Township, PA 15108 Phone: 412-269-6300 Fax: 412-375-3977

Fifth and Dinwiddie Development, LLC **CIVIL ENGINEER:** Michael Baker International ARCHITECT: **GBBN Architects**

MASTER PLANNERS / LANDSCAPE ARCHITECT: evolveEA



No.	Description	Date
Pro	ject Number:	176433
Dra	ıwn By:	BRF
Dra		

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK

To be completed by the Applicant: (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

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER _

TAP C RECORD NUMBER _

DATE: 06/16/2021

Signatures / Approval by PWSA are for the physical connection(s) to the water and/or sewer system only. Responsibility for the design and work depicted by the drawings, including the flow design for the facilities, is by the Professional Engineer shown by the seal and signature affixed to the drawing. The PWSA does not represent or warrant that the water supply to the facilities is sufficient to support the design.

FIFTH AND DINWIDDIE DEVELOPMENT, LLC

FIFTH AND DINWIDDIE DEVELOPMENT - EAST SITE WATER AND SEWER TAP PLAN

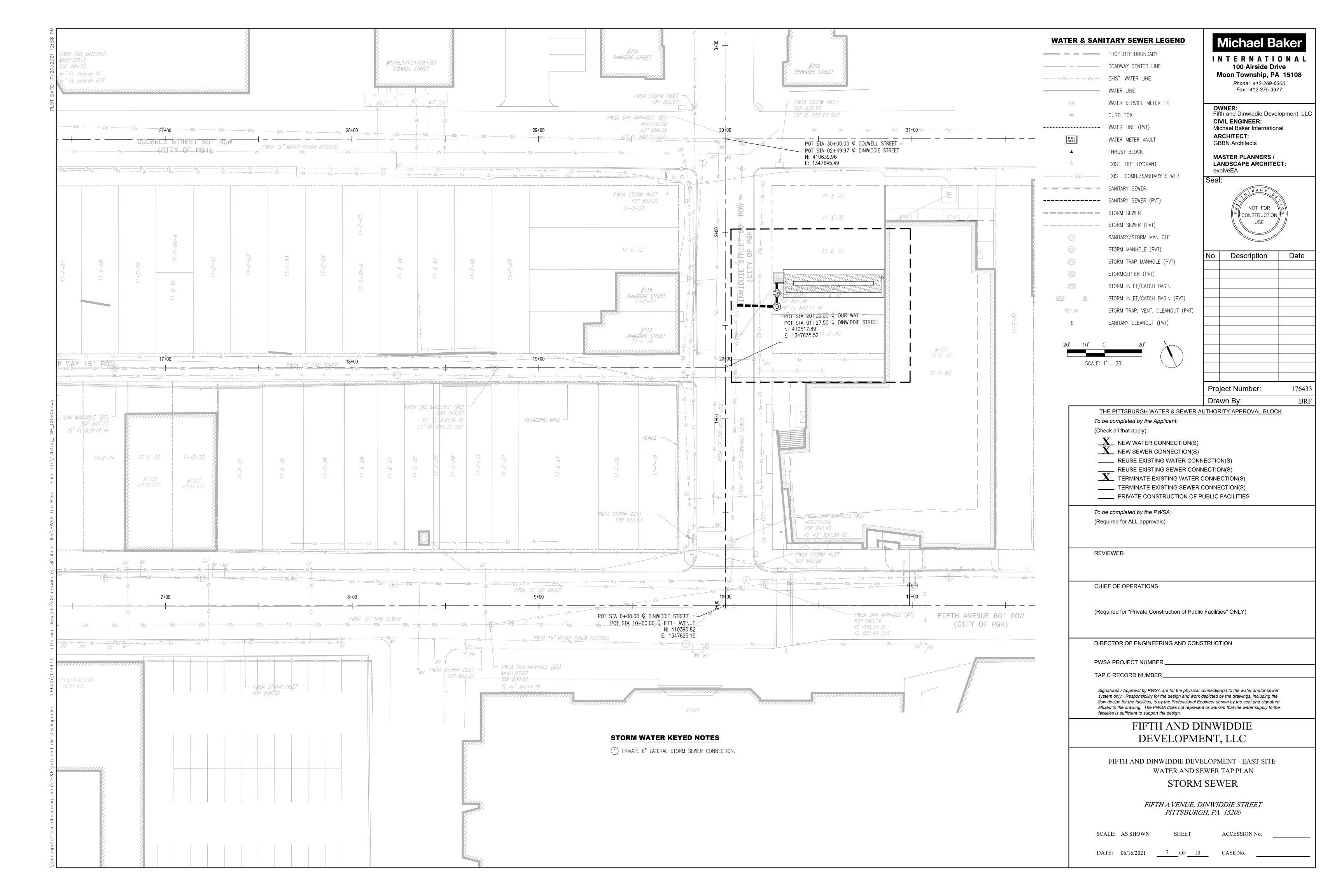
STORM SEWER

ACCESSION No.

CASE No.

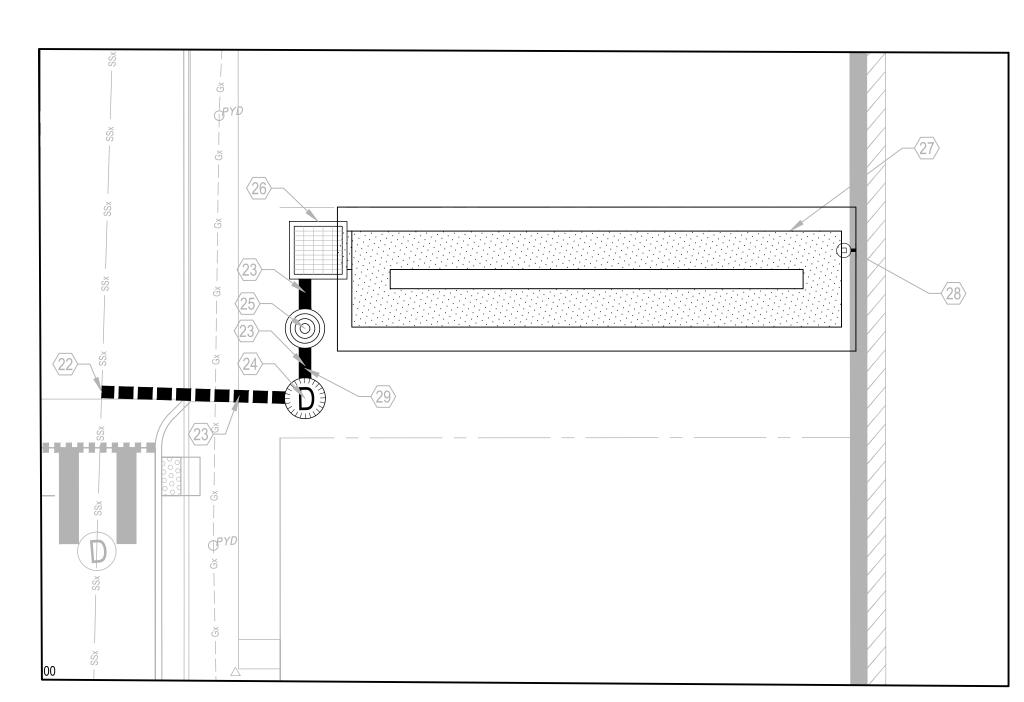
SITE UTILITY DETAILS

6 OF 10



PRIVATE STORM WATER STRUCTURE TABLES

STRUCTURE NAME / TYPE	STRUCTURE DETAILS
MH C-4 Null Structure (PVT.)	15" INV IN (E) = 842.53 48" INV IN (N) = 840.28 48" INV OUT (S) = 840.28
OCS C-3 5'X5' OUTLET STRUCTURE (PVT.)	RIM = 853.95 SUMP = 845.97 48" INV IN (E) = 846.00
STORMCEPTOR C-2 Concentric Cylindrical Structure (PVT.)	RIM = 853.28 SUMP = 845.85 15" INV IN (N) = 845.95 15" INV OUT (S) = 845.85
TRAP MH C-1 Concentric Cylindrical Structure (PVT.)	RIM = 852.80 SUMP = 844.20 15" INV IN (N) = 845.7815 " INV OUT (W) = 844.20





1 ENLARGED STORM SEWER PLAN A SCALE: 1" = 10'

Michael Baker

INTERNATIONAL 100 Airside Drive Moon Township, PA 15108 Phone: 412-269-6300 Fax: 412-375-3977

OWNER:
Fifth and Dinwiddie Development, LLC
CIVIL ENGINEER:
Michael Baker International
ARCHITECT:
GBBN Architects

MASTER PLANNERS / LANDSCAPE ARCHITECT: evolveEA

Seal:



No.	Description	Date
Pro	ject Number:	176433
Dra	ıwn By:	BRF



(22)	EXISTING STORMWATER INFRASTRUCTURE
(22)	EXISTING STORMWATER INFRASTRUCTURE POINT OF CONNECTION (SEE PWSA DETAIL SSC-1)

- 23 15" HDPE STORMWATER PIPING (SLCPP)
- (24) TRAP MANHOLE
- 25 STC 450i STORMCEPTOR
- ②6 OUTLET CONTROL STRUCTURE

STORMWATER DETENTION AREA
2 ROWS 43.00 LF OF 48" Ø CMP PERFORATED
2-48" Ø HEADERS CMP PERFORATED
OUTSIDE STONE BED DIMENSIONS 54' x 15'

- STORMWATER ROOF LEADER CONNECTION TO DETENTION (SEE MEP PLAN)
- 29 TRENCH PLUG

WATER & SANITARY SEWER LEGEND

------ PROPERTY BOUNDARY

	ROADWAY CENTER LINE				
WxWx	EXIST. WATER LINE				
	WATER LINE				
M	WATER SERVICE METER PIT				
•	CURB BOX				
	WATER LINE (PVT)				
-6-	EXIST. FIRE HYDRANT				
——————————————————————————————————————	EXIST. COMB./SANITARY SEWER				
	SANITARY SEWER				
	SANITARY SEWER (PVT)				
	STORM SEWER				
	STORM SEWER (PVT)				
\bigcirc	SANITARY/STORM MANHOLE				
D	STORM MANHOLE (PVT)				
(D)	STORM TRAP MANHOLE (PVT)				
	STORMCEPTER (PVT)				
	STORM INLET/CATCH BASIN				
	STORM INLET/CATCH BASIN (PVT)				
∅ (STORM TRAP, VENT, CLEANOUT (PVT				
(0)	SANITARY CLEANOUT (PVT)				

CON 5 4'' 40'	·	
SCALE: 1"= 10"	Drawn By:	BR
THE PITTSBURGH WATER & SEWER AL	JTHORITY APPROVAL BLOCK	
To be completed by the Applicant:		
(Check all that apply)		
NEW WATER CONNECTION(S) NEW SEWER CONNECTION(S) REUSE EXISTING WATER CONN REUSE EXISTING SEWER CONN TERMINATE EXISTING WATER CONT TERMINATE EXISTING SEWER CONT PRIVATE CONSTRUCTION OF PL	CONNECTION(S)	
To be completed by the PWSA:		
(Required for ALL approvals)		
REVIEWER		

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER _

TAP C RECORD NUMBER _

Signatures / Approval by PWSA are for the physical connection(s) to the water and/or sewer system only. Responsibility for the design and work depicted by the drawings, including the flow design for the facilities, is by the Professional Engineer shown by the seal and signature affixed to the drawing. The PWSA does not represent or warrant that the water supply to the facilities is sufficient to support the design.

FIFTH AND DINWIDDIE DEVELOPMENT, LLC

FIFTH AND DINWIDDIE DEVELOPMENT - EAST SITE WATER AND SEWER TAP PLAN

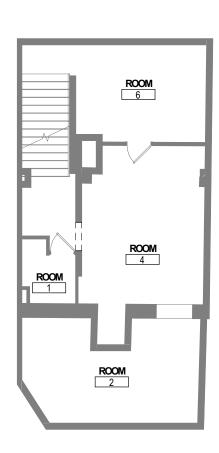
STORM SEWER

PRIVATE STORM STRUCTURE DATA TABLES & ENLARGED STORM SEWER PLAN

AS SHOWN SHEET

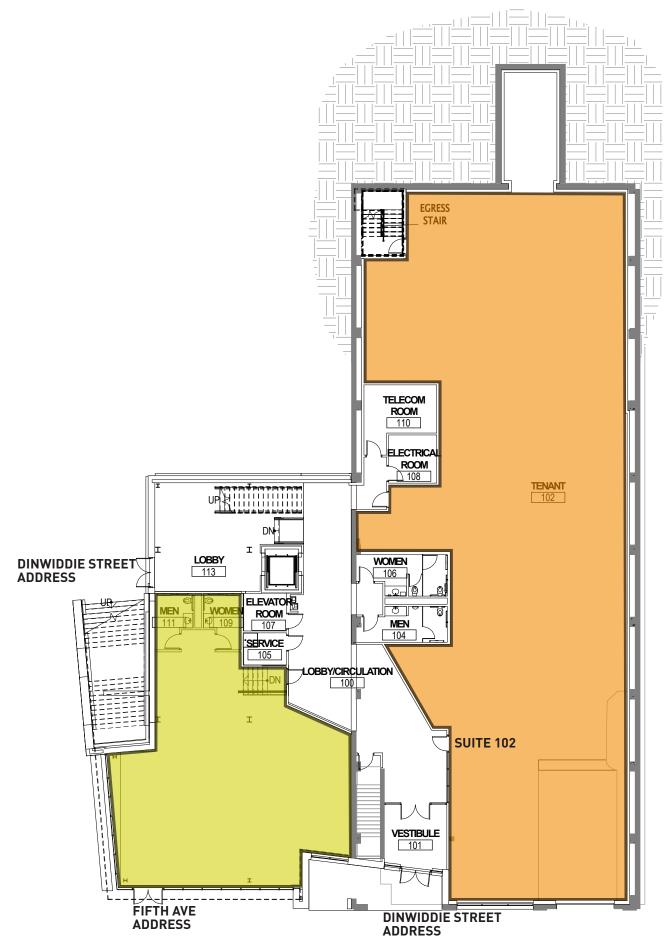
ACCESSION No.

DATE: 06/16/2021 8 OF 10 CASE No.



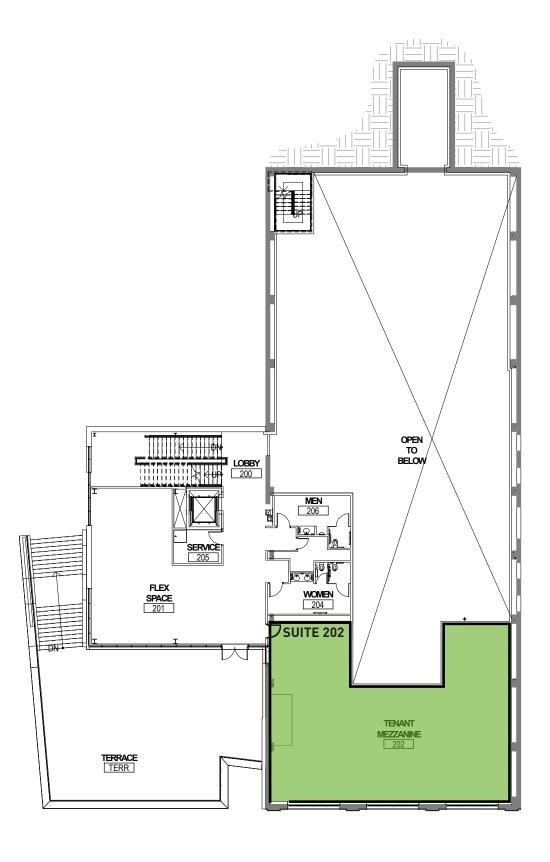






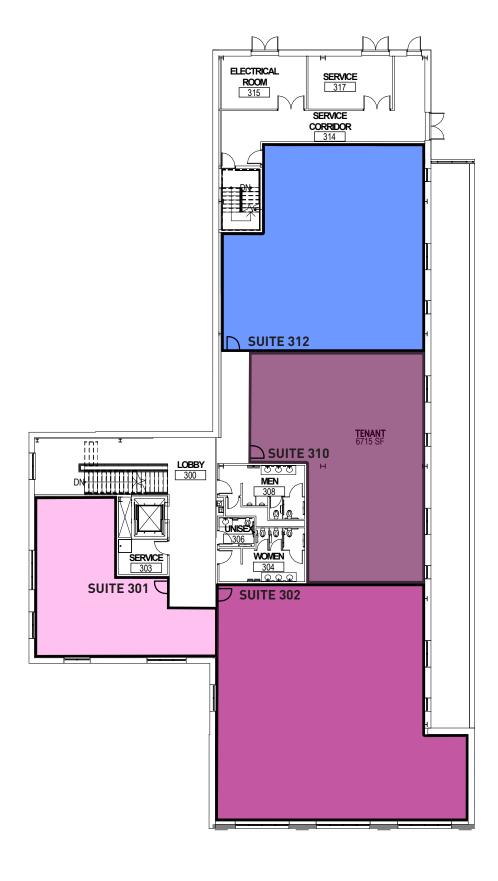






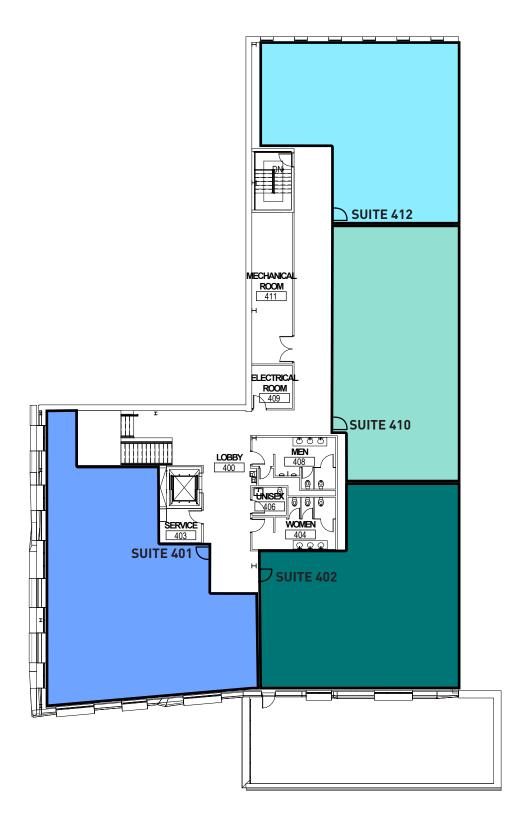
















			PLUMBING AE	BREVIA	ATIONS		
ABB	DESCRIPTION	ABB	DESCRIPTION	ABB	DESCRIPTION	ABB	DESCRIPTION
ABV	ABOVE	CU FT	CUBIC FEET	FT	FOOT, FEET	POL	PETROLEUM / OIL / LUBRICANT
AC	AIR COMPRESSOR	CUH	CABINET UNIT HEATER	FTG	FOOTING	PSI	POUNDS PER SQUARE INCH
AD	ACCESS DOOR, AIR DRYER	CWBT	CHILLED WATER BUFFER TANK	GA	GAUGE	QTY	QUANTITY
AFF	ABOVE FINISHED FLOOR	CWR	CHILLED WATER RETURN	GBD	GARBAGE DISPOSAL	REQ'D	REQUIRED
AFG	ABOVE FINISHED GRADE	cws	CHILLED WATER SUPPLY	GC	GENERAL CONTRACTOR	RPM	REVOLUTIONS PER MINUTE
AFR	ABOVE FINISHED ROOF	DEG	DEGREE(S)	GPM	GALLONS PER MINUTE	RWC	RAIN WATER CONDUCTOR
AHU	AIR HANDLING UNIT	DF	DRINKING FOUNTAIN	GWH	GAS WATER HEATER	RWL	RAIN WATER LEADER
AP	ACCESS PANEL	DFU	DRAINAGE FIXTURE UNIT	HP	HORSE POWER	s	SINK
APPROX	APPROXIMATE(LY)	DIA	DIAMETER	HTG	HEATING	SF	SQUARE FEET
ARCH	ARCHITECT OR ARCHITECTURAL	DN	DOWN	HV	HEATING AND VENTILATION	SFU	SUPPLY FIXTURE UNIT(S)
AST	ABOVE GROUND STORAGE TANK	DU	DISTRIBUTION UNIT	HVAC	HEATING VENTILATION / AIR	SH	SHOWER
С	CELSIUS	DWG	DRAWING		CONDITIONING	SRC	SECONDARY RAIN CONDUCTOR
Kg	KILOGRAM(S)	EC	ELECTRICAL CONTRACTOR	IE	INVERT ELEVATION	SS	SERVICE SINK
L/s	LITERS PER SECOND	EL	EXPANSION LOOP	IN	INCH(ES)	STRUC	STRUCTURAL
m	METERS	ELEC	ELECTRIC(AL)	IRH	INFRARED RADIANT HEATER	SWC	SAFE WASTE CONNECTION
m³	CUBIC METERS	ELEV	ELEVATION	KS	KITCHEN SINK	TD	TRENCH DRAIN
m²	SQUARE METERS	ESEW	EMERGENCY SHOWER & EYE	KW	KILOWATTS	TE	TOP ELEVATION
m/s	METERS PER SECOND		WASH	L	LAVATORY	TEMP	TEMPERATURE
mm	MILIMETERS	ET	EXPANSION TANK	LB(S)	POUND(S)	TOF	TOP OF FOOTING
Ра	PASCALS	ETR	EXISTING TO REMAIN	MAX	MAXIMUM	TOP	TOP OF PIPE
W	WATT(S)	EW, EEW	EMERGENCY EYE WASH	MC	MECHANICAL CONTRACTOR	TP	TRAP PRIMER VALVE
BLDG	BUILDING	EWC	ELECTRIC WATER COOLER	MECH	MECHANICAL	TYP	TYPICAL
BLW	BELOW	EWH	ELECTRIC WATER HEATER	'	MANUFACTURER	U	URINAL
BOF	BOTTOM OF FOOTING	EX, EXIST	EXISTING	MIN	MINIMUM	UNO	UNLESS NOTED OTHERWISE
BOT	BOTTOM	(F)	FUTURE	MISC	MISCELLANEOUS	VOL	VOLUME
С	CELSIUS	F ₋	FAHRENHEIT	MR	MOP RECEPTOR	W	WASTE
СВ	CATCH BASIN	FCO	FLOOR CLEANOUT	NC	NORMALLY CLOSED	W/	WITH
CFH	CUBIC FEET PER HOUR	FFE	FINISHED FLOOR ELEVATION	NIC	NOT IN CONTRACT	W/O	WITHOUT
CLG	CEILING	FIN	FINISHED	NO	NORMALLY OPEN	WB	WASHER BOX
CONC	CONCRETE	FLEX	FLEXIBLE	NTS	NOT TO SCALE	WC	WATER CLOSET, WATER COLUMN
COND	CONDENSATION	FLR	FLOOR	OB	OUTLET BOX	WF	WASH FOUNTAIN
CONN	CONNECTION	FPM	FEET PER MINUTE	P&T	PRESSURE & TEMPERATURE	WH	WATER HEATER
CONT	CONTINUOUS, CONTINUATION	FRP	FIBERGLASS REINFORCED	PC	PLUMBING CONTRACTOR		

PLUMBING & DRAINAGE INSTITUTE

PLASTIC PIPING

CONTR CONTRACTOR

PLOMBIN	GFIFL	LEGEND
SYMBOL	ABBREV	DESCRIPTION
ATF	ATF	AUTOMATIC TRANSMISSION FLUID
AW	AW	ACID RESISTANT WASTE
AV	AV	ACID RESISTANT VENT
CA	CA	COMPRESSED AIR
CG	CG	CHASSIS GREASE
	CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
	HW-R	DOMESTIC HOT WATER RETURN
(140°)	HW140	DOMESTIC HOT WATER (60°C)
(140°)	HWR140	DOMESTIC HOT WATER RETURN (60°C)
EC	EC	ENGINE COOLANT
E0	EO	ENGINE OIL
FP	FP	FIRE PROTECTION
G	G	NATURAL GAS
GO	GO	GEAR OIL
GW	GW	GREASE-LADEN WASTE
OW	OW	OIL-LADEN WASTE
PD	PD	PUMP DISCHARGE
SS	SS	SANITARY SEWER
ST	ST	STORM SEWER
TP	TP	TRAP PRIMER PIPING
TW	TW	TEMPERED WATER
V	V	SANITARY VENT
WEC	WEC	WASTE ENGINE COOLANT
WEO	WEO	WASTE ENGINE OIL

PILIMRING PIPE I EGEND

PLUMBING GENERAL NOTES

- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED. TO INSTALL COMPLETE FOR AN OPERABLE PLUMBING SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY CODE. ALL MATERIAL SHALL BE NEW AND OF GOOD QUALITY. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER.
- CONTRACT DOCUMENT DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITIVELY FIXED BY DRAWING DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATION NECESSARY TO ACHIEVE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS. DO NOT SCALE DRAWINGS. CERTAIN ITEMS SUCH AS RISES AND DROPS IN PIPING, ACCESS DOORS, ETC., ARE INDICATED ON THE CONTRACT DOCUMENT DRAWINGS FOR CLARITY NOT FOR A SPECIFIC LOCATION REQUIREMENT AND SHALL NOT BE INTERPRETED AS THE EXTENT OF THE REQUIREMENTS FOR THESE TYPES OF ITEMS.
- INSTALL ALL PLUMBING EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL PIPING DIMENSIONS BEFORE FABRICATION. LOCATE ALL PLUMBING EQUIPMENT FOR UNOBSTRUCTED ACCESS TO UNIT ACCESS PANELS, CONTROLS, VALVING, ETC.
- COORDINATE CONSTRUCTION OF ALL PLUMBING WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, SOILS, MECHANICAL, ELECTRICAL, COMMUNICATIONS WORK, ETC., AS SHOWN IN OTHER CONTRACT DOCUMENTS. PROPERLY CONSTRUCTED OFFSETS IN PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST. LOCATIONS AND SIZES OF ALL FLOOR, WALL AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED
- MAINTAIN A MINIMUM OF 6'-8" CLEARANCE TO UNDERSIDE OF PIPES, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- ALL TESTS SHALL BE COMPLETED BEFORE ANY EQUIPMENT OR PIPING INSULATION IS APPLIED, OR CONCEALED.
- LOCATE ALL TEMPERATURE. PRESSURE AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH A STRAIGHT SECTION OF PIPE UPSTREAM AND DOWNSTREAM, AS RECOMMENDED BY THE DEVICE MANUFACTURER FOR ACCURACY. INSTALL THERMOMETER IN A VERTICAL AND TILTED POSITION TO ALLOW READING BY OBSERVER STANDING ON FLOOR.
- WHERE TWO OR MORE PRODUCTS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCTS OF A SINGLE MANUFACTURER SHALL BE USED.
- PROVIDE ACCESS PANELS FOR INSTALLATION IN WALLS AND CEILINGS, WHERE REQUIRED, TO SERVICE VALVES AND OTHER CONCEALED PLUMBING EQUIPMENT, DEVICES, ETC. ACCESS PANELS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR FOR INSTALLATION.
- 10. ALL OPENINGS IN FIRE RESISTANCE RATED WALLS DUE TO DUCTWORK, PIPING, CONDUIT, ETC., SHALL BE FIRE STOPPED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM E 814 & UL 1479. SIMILARLY, SEAL/FIRESTOP AS REQUIRED AT SMOKE RATED SURFACES AS WELL.
- 1. INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES AND OTHER APPURTENANCES REQUIRING ACCESS ARE EASILY ACCESSIBLE. ALL VALVES SHALL BE INSTALLED SO THAT THE VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED. ALL BALANCING VALVES AND BUTTERFLY VALVES SHALL BE PROVIDED WITH POSITION INDICATORS AND MAXIMUM ADJUSTABLE STOPS (AKA MEMORY STOPS). ALL VALVES (EXCEPT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE TO MAKE CONNECTIONS TO EQUIPMENT AND CONTROLS.
- 12. UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT AND IN BYPASSES TO PERMIT DISASSEMBLY
- FOR ALTERATION AND REPAIRS. INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING. 13. DRAIN PIPING IN MECHANICAL ROOMS SHALL BE ROUTED SO AS NOT TO CREATE TRIPPING HAZARDS.
- 14. LOCATIONS WHERE SANITARY, WASTE, AND VENT PIPING PENETRATES THE SLAB, THE TRANSITION FROM PVC PIPE TO CAST IRON PIPE SHALL OCCUR BELOW THE SLAB.
- 15. PROVIDE HIGH POINT VENTS AND LOW POINT DRAINS. PROVIDE DIELECTRIC CONNECTIONS BETWEEN DISSIMILAR MATERIALS. 16. VENT FROM NATURAL GAS EQUIPMENT PRV'S TO BUILDING EXTERIOR. PIPE SHALL BE SAME SIZE AS VENT OPENING ON PRV'S.
- PROVIDE GOOSENECK WITH INSECT SCREEN AT EXTERIOR VENT TERMINATION.
- 17. REFER TO ARCHITECTURAL DRAWINGS FOR PENETRATIONS. 18. PROPERLY SEAL ALL PLUMBING SYSTEMS PIPING AND COMPONENT'S PENETRATIONS OF BUILDING AIR BARRIER.
- 19. SHUT-OFF VALVES SHALL BE INTEGRATED INTO THE PLUMBING DISTRIBUTION SYSTEMS TO PERMIT THE ISOLATION OF A FIXTURE OR EQUIPMENT TO PERMIT REPAIR OR MAINTENANCE, WITHOUT DISRUPTION OF OTHER FIXTURES OR EQUIPMENT.
- 20. WATER HAMMER ARRESTORS SHALL BE INSTALLED AT FLUSH VALVE-OPERATED FIXTURES, SOLENOID VALVES, AND ANY OTHER QUICK CLOSING VALVES TO MINIMIZE NOISE IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE AND PDI STANDARD WH201. ARRESTORS SHALL BE INSTALLED WITH PROPER ACCESS PANELS. AIR CHAMBERS SHALL NOT BE
- 21. ALL FLOOR DRAINS AND FLOOR SINKS SHALL BE PROVIDED WITH A TRAP PRIMER CONNECTION SUPPLIED FROM A TRAP PRIMER VALVE, CONFORMING TO ASSE 1018 OR ASSE 1044, WITH APPROPRIATE DISTRIBUTION UNIT OR TRAP INSERT SIMILAR TO PROSET TRAP GUARD, TO REDUCE TRAP SEAL EVAPORATION.



PROJECT ARCHITECT **5411 PENN AVENUE** PITTSBURGH, PA 15208 v 412.345.5005



CONSULTANTS

GBBN.COM

Michael Baker

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Master Planner

evolveEA 6020 BROAD STREET PITTSBURGH, PA 15206 v 412.362.2100

http://evolveea.com

Passive House Counsultant AUROS Group 243 EAST MAIN STREET CARNEGIE, PA 15106 v 412.506.6777

http://aurosgroup.com

Newcomb & Boyd CONSULTANTS AND ENGINEERS

DRAWING ISSUE

ISSUED FOR PERMIT



DRAWING TITLE PLUMBING GENERAL NOTES, **ABBREVIATIONS & SYMBOLS**

JOB NUMBER



REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTERS AND GRADE BEAMS.

& SYMBOLS.

GRADE BEAMS.

SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS

REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTERS AND

ALL UNDERFLOOR SANITARY SEWERS SHALL BE

INSTALLED AT A MINIMUM SLOPE OF

[1%][1/8"/1'-0"], UNLESS NOTED OTHERWISE.

RISE CONTINUOUSLY THROUGH FLOOR A

UNDERFLOOR VENTS SHALL CONNECT ABOVE

MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE.
PROVIDE 45° CONNECTION TO WASTE / SANITARY

UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE.

REFER TO P-700 SERIES FOR RISER DIAGRAMS.

CENTERLINE OF WASTE / SANITARY PIPE & SHALL

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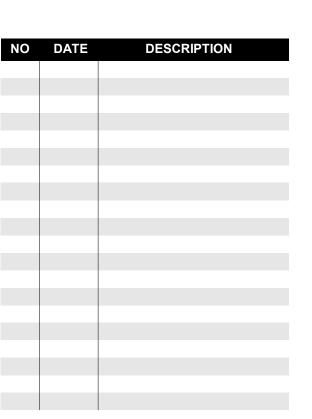
AUROS

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Newcomb & Boyd CONSULTANTS AND ENGINEERS

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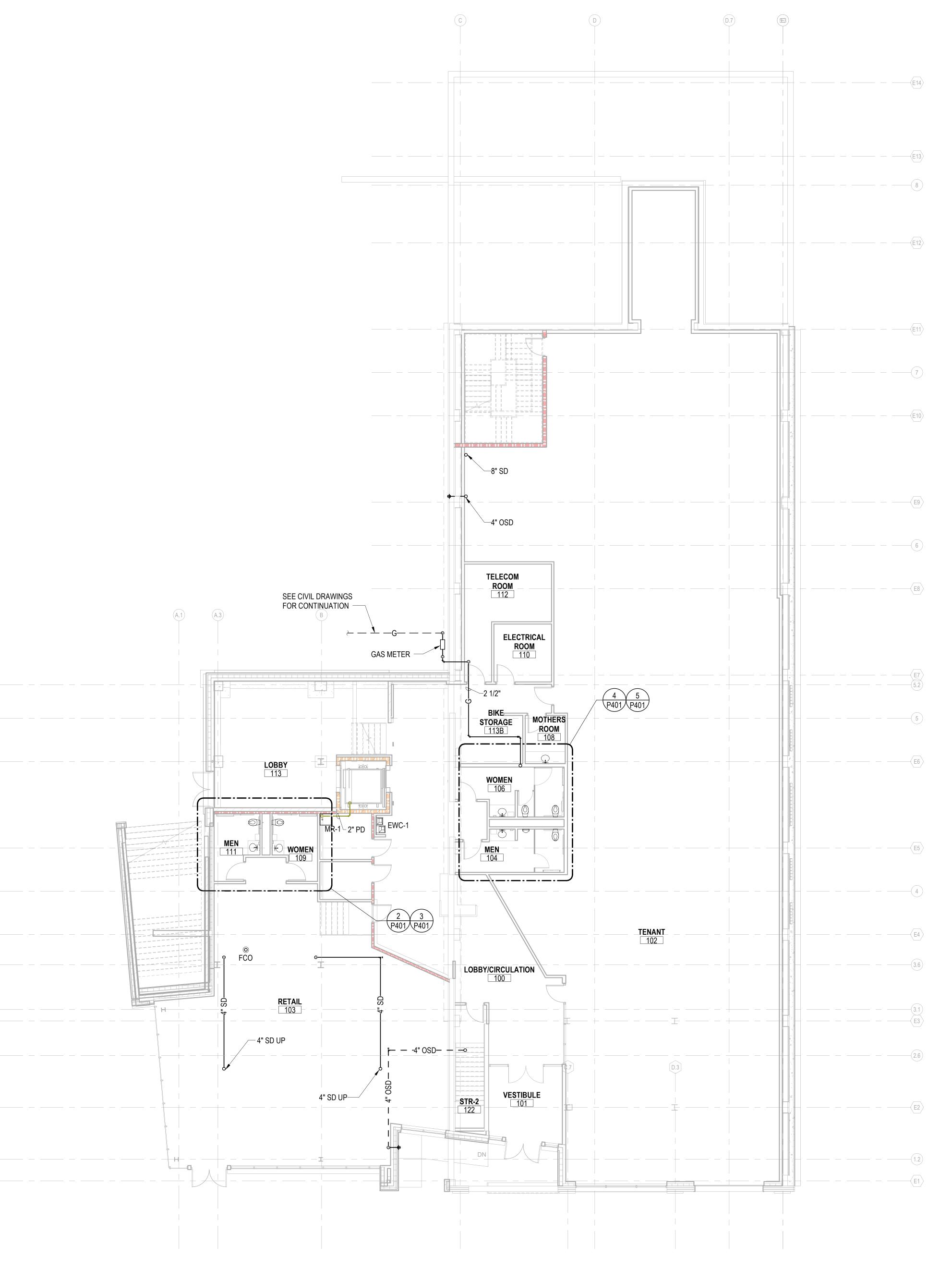
DRAWING TITLE

PLUMBING - 1ST FLOOR PLAN

SEAL

JOB NUMBER





- SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF
- FOUNDATIONS, FOOTERS AND GRADE BEAMS. REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTERS AND GRADE BEAMS.
- ALL UNDERFLOOR SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF [1%][1/8"/1'-0"], UNLESS NOTED OTHERWISE.
- UNDERFLOOR VENTS SHALL CONNECT ABOVE CENTERLINE OF WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY
- UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE
- REFER TO P-700 SERIES FOR RISER DIAGRAMS.



PROJECT ARCHITECT 5411 PENN AVENUE PITTSBURGH, PA 15208 v 412.345.5005



Development, LLC

CONSULTANTS

GBBN.COM

Michael Baker

INTERNATIONAL 🕤

Civil & Structural & MEPFP Michael Baker International 100 AIRSIDE DRIVE 🗶 MOON TOWNSHIP, PA 15108 v 412.269.6300



environment :: architecture

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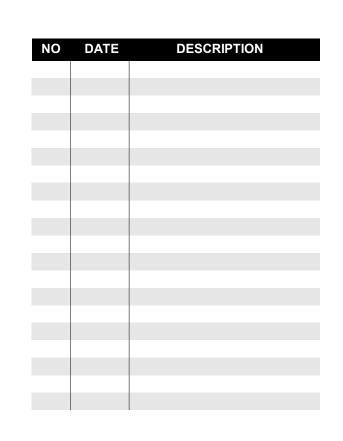
AUROS Group 243 EAST MAIN STREET CARNEGIE, PA 15106 v 412.506.6777 http://aurosgroup.com

Passive House Counsultant

Newcomb & Boyd CONSULTANTS AND ENGINEERS

DRAWING ISSUE

ISSUED FOR PERMIT



DRAWING TITLE

PLUMBING - 2ND FLOOR PLAN

JOB NUMBER



SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.

- REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTERS AND GRADE BEAMS. REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTERS AND GRADE BEAMS.
- ALL UNDERFLOOR SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF [1%][1/8"/1'-0"], UNLESS NOTED OTHERWISE.
- UNDERFLOOR VENTS SHALL CONNECT ABOVE CENTERLINE OF WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY
- UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE. REFER TO P-700 SERIES FOR RISER DIAGRAMS. KEYNOTES

INSULATE ROOF DRAIN BODIES AND HORIZONTAL PORTIONS OF STORM (ROOF) DRAINS / OVERFLOW STORM DRAINS.



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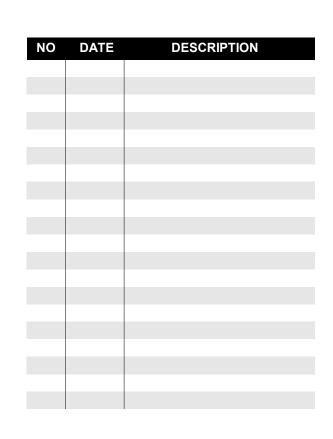


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DRAWING TITLE

PLUMBING - 3RD FLOOR PLAN

JOB NUMBER



- SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTERS AND GRADE BEAMS.
- REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTERS AND GRADE BEAMS.
- ALL UNDERFLOOR SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF [1%][1/8"/1'-0"], UNLESS NOTED OTHERWISE.
- UNDERFLOOR VENTS SHALL CONNECT ABOVE CENTERLINE OF WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY
- UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE REFER TO P-700 SERIES FOR RISER DIAGRAMS.
- KEYNOTES INSULATE ROOF DRAIN BODIES AND HORIZONTAL PORTIONS OF STORM (ROOF) DRAINS / OVERFLOW STORM DRAINS.



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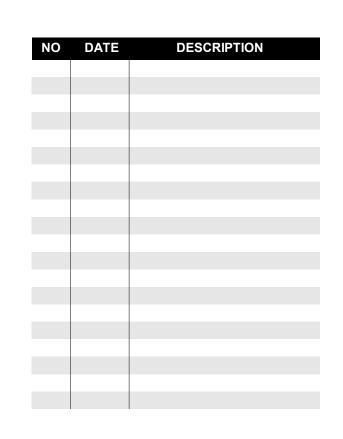


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PLUMBING - 4TH FLOOR PLAN

JOB NUMBER

176425



1 PLUMBING - LEVEL 4 PLAN
SCALE: 1/8" = 1'-0"

REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTERS AND GRADE BEAMS.

& SYMBOLS.

GRADE BEAMS.

SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS

REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTERS AND

ALL UNDERFLOOR SANITARY SEWERS SHALL BE

INSTALLED AT A MINIMUM SLOPE OF

[1%][1/8"/1'-0"], UNLESS NOTED OTHERWISE.

RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY

UNDERFLOOR VENTS SHALL CONNECT ABOVE

UNDERFLOOR SANITARY SEWER PIPING SHALL

BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE REFER TO P-700 SERIES FOR RISER DIAGRAMS.

CENTERLINE OF WASTE / SANITARY PIPE & SHALL



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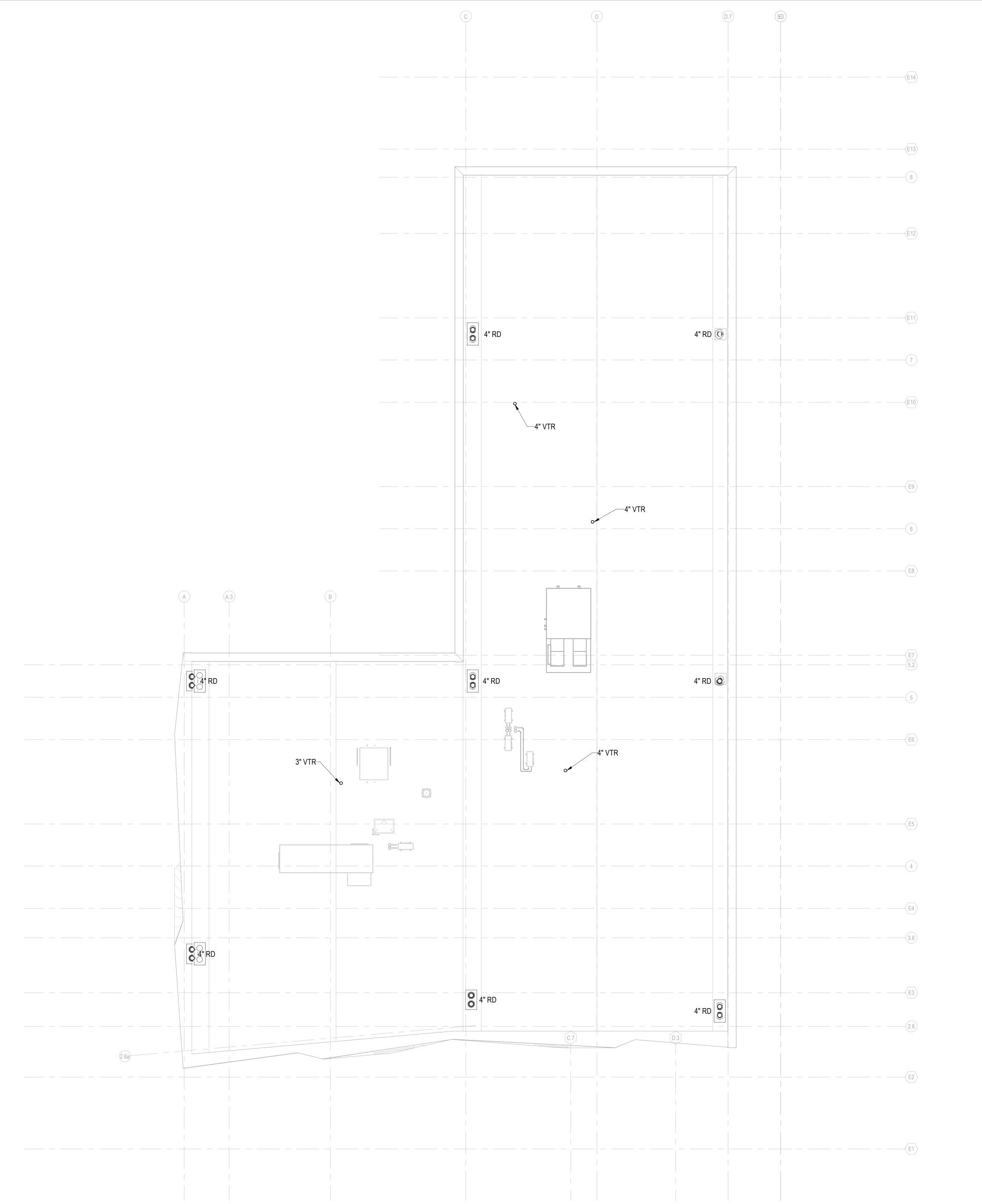
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PLUMBING - ROOF PLAN

JOB NUMBER

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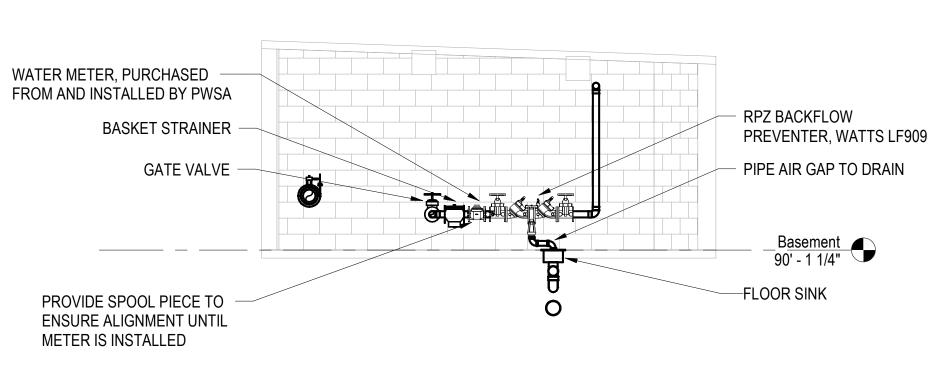




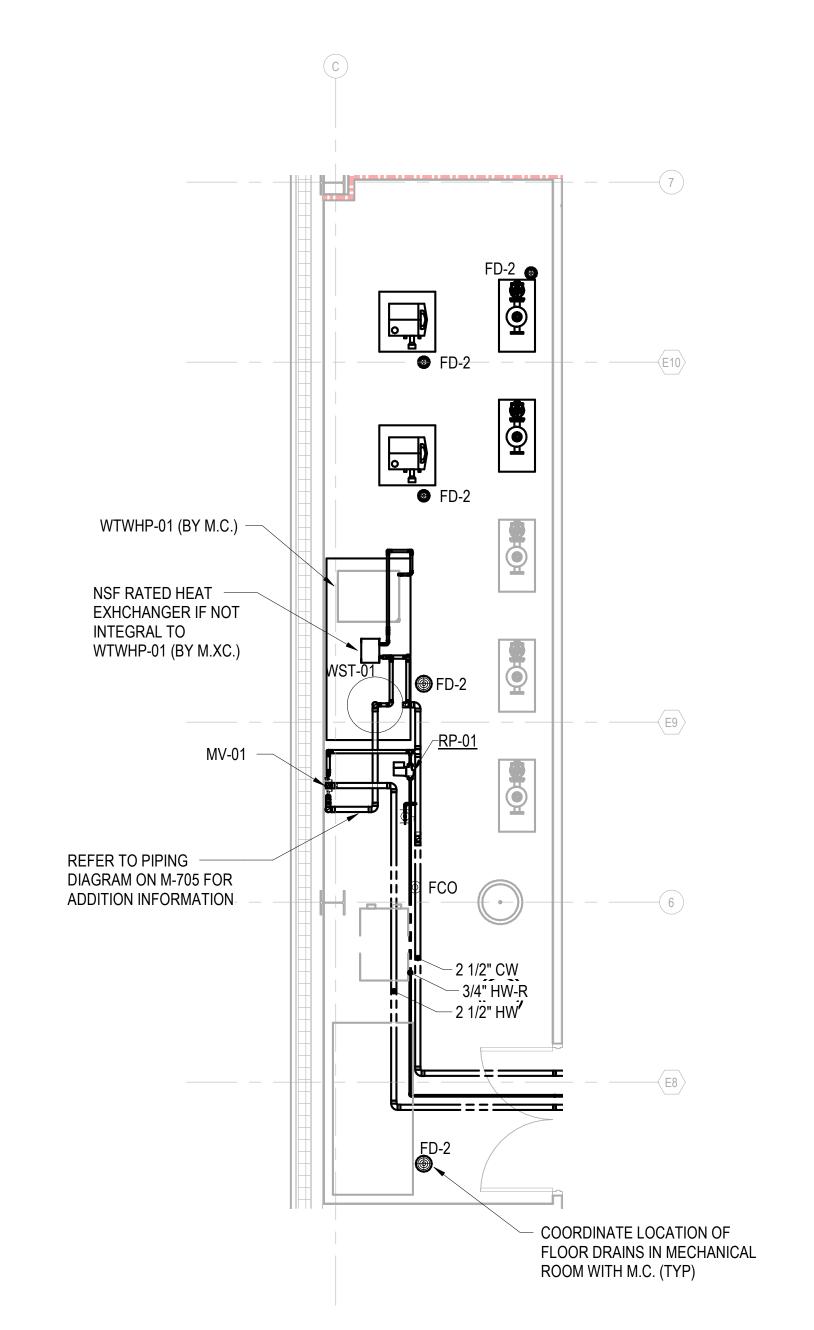
1 PLUMBING - ROOF PLAN
SCALE: 1/8" = 1'-0"

7 ENLARGED DOMESTIC WATER SERVICE ENTRANCE PLAN
SCALE: 1/4" = 1'-0"

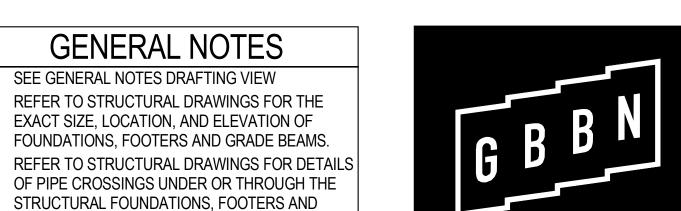
- SEE CIVIL DRAWINGS FOR CONTINUATION



8 WATER SERVICE ENTRANCE SECTION
SCALE: 1/4" = 1'-0"



9 Plumbing Plan-04 - SD and OSD Enlarged
SCALE: 1/4" = 1'-0"



GRADE BEAMS.

ALL UNDERFLOOR SANITARY SEWERS SHALL BE

UNDERFLOOR VENTS SHALL CONNECT ABOVE CENTERLINE OF WASTE / SANITARY PIPE & SHALL

PROVIDE 45° CONNECTION TO WASTE / SANITARY

UNDERFLOOR SANITARY SEWER PIPING SHALL

BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE

REFER TO P-700 SERIES FOR RISER DIAGRAMS.

INSTALLED AT A MINIMUM SLOPE OF

[1%][1/8"/1'-0"], UNLESS NOTED OTHERWISE.

RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROJECT ARCHITECT

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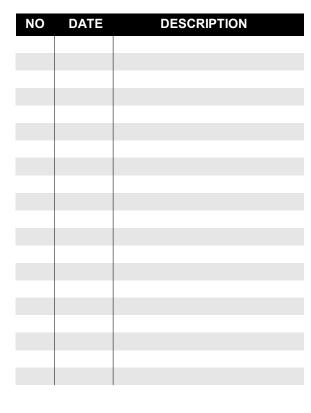
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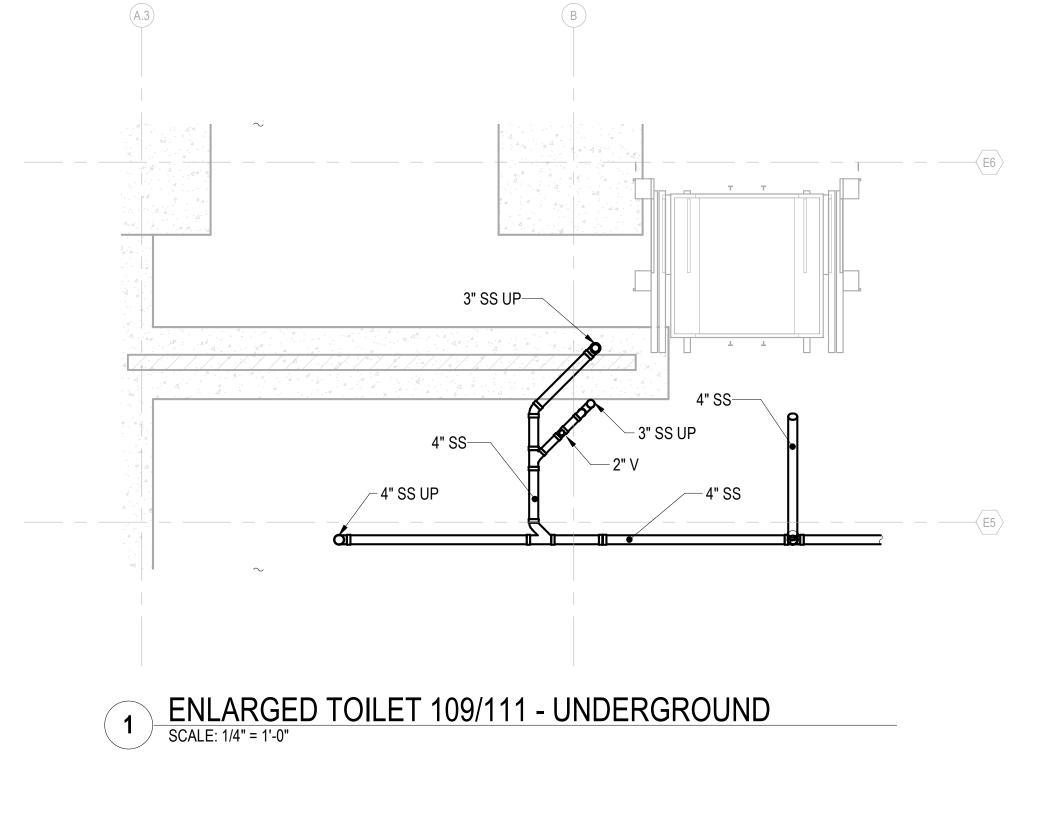
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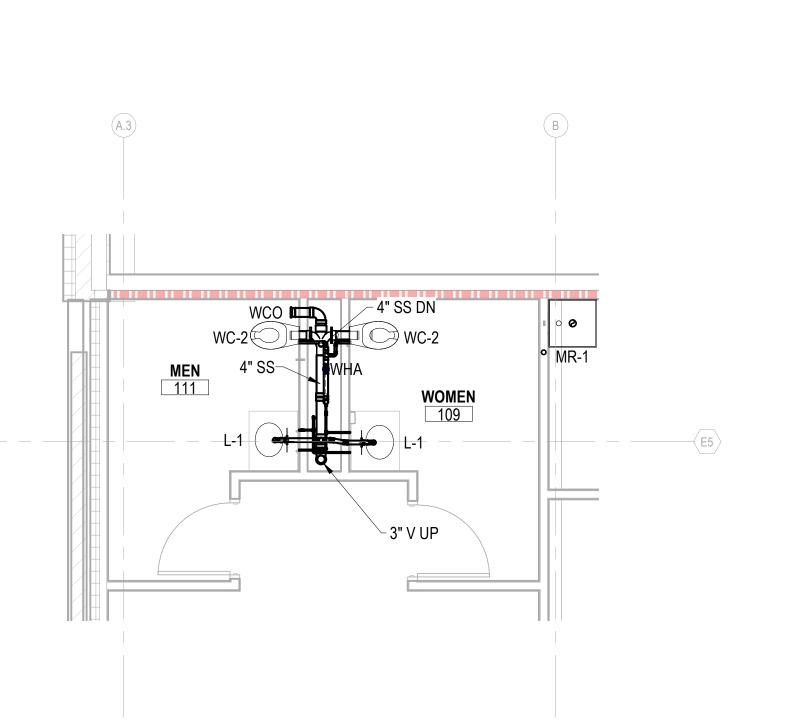
PLUMBING - ENLARGED PLANS

JOB NUMBER

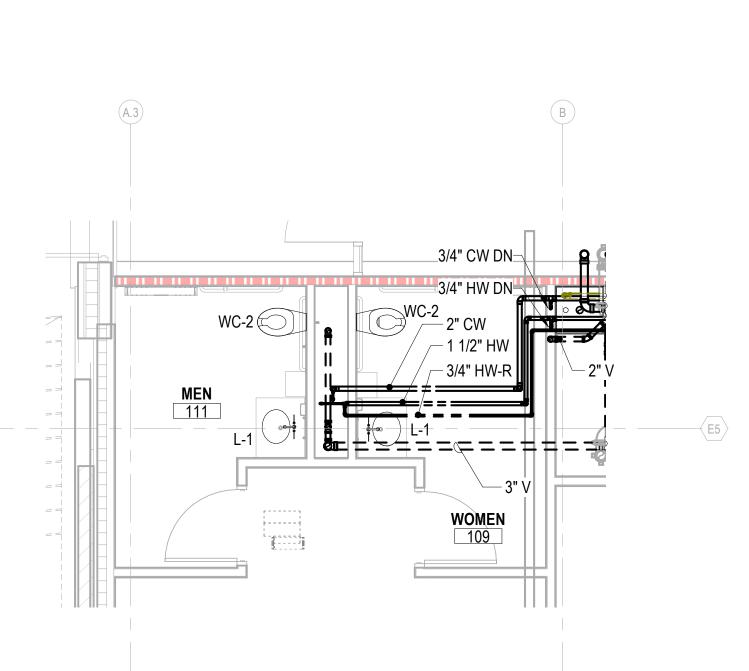
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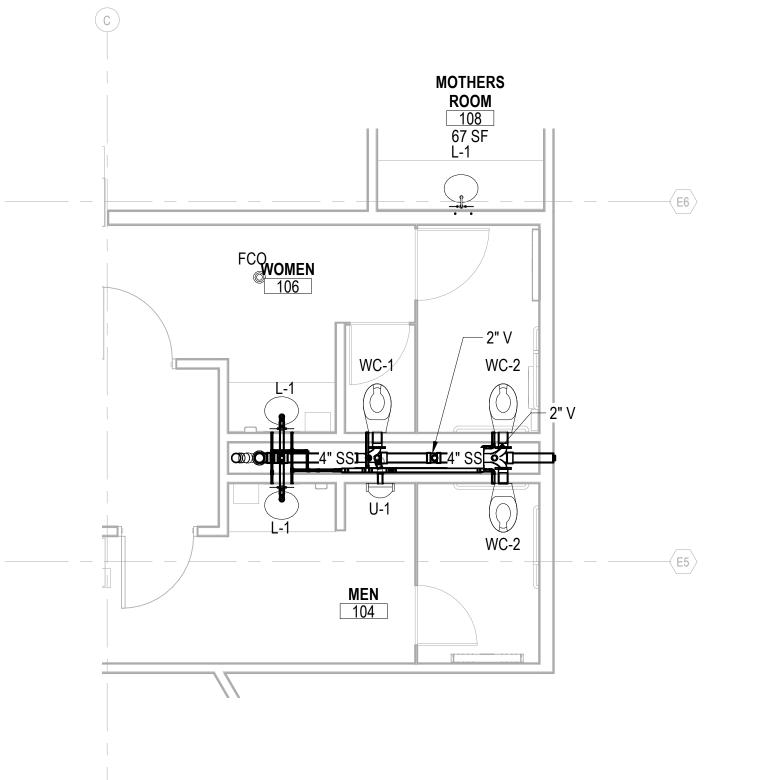


ENLARGED TOILET 109/111 2 SCALE: 1/4" = 1'-0"



ENLARGED TOILET 109/111 - ABOVE CEILING

SCALE: 1/4" = 1'-0"

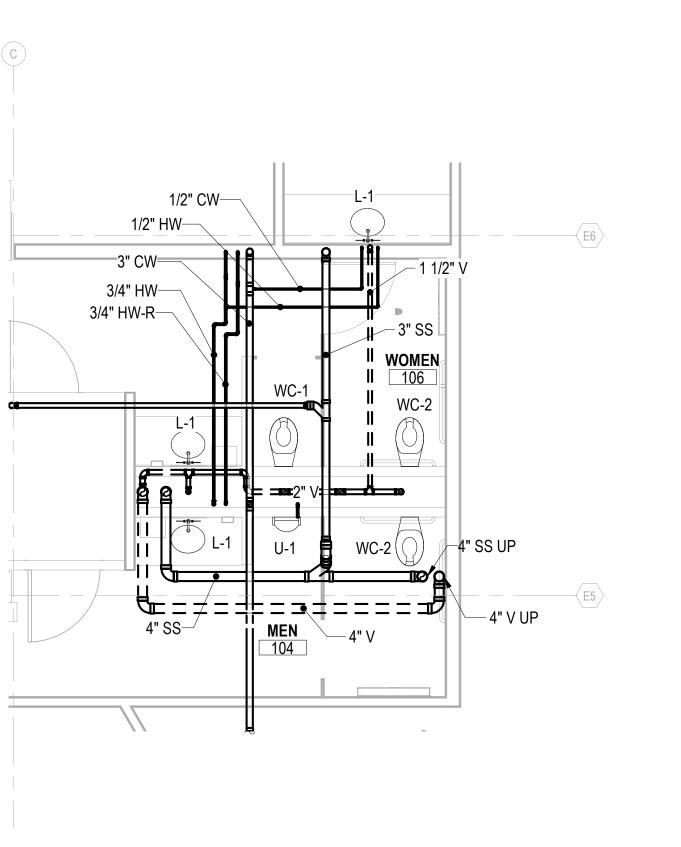


6 ENLARGED TOILET 104/106 - UNDERGROUND
SCALE: 1/4" = 1'-0"

∕- 4" SS UP

ENLARGED TOILET 104/106SCALE: 1/4" = 1'-0"

4" UP TO FCO-



5 ENLARGED TOILET 104/106 - ABOVE CEILING
SCALE: 1/4" = 1'-0"

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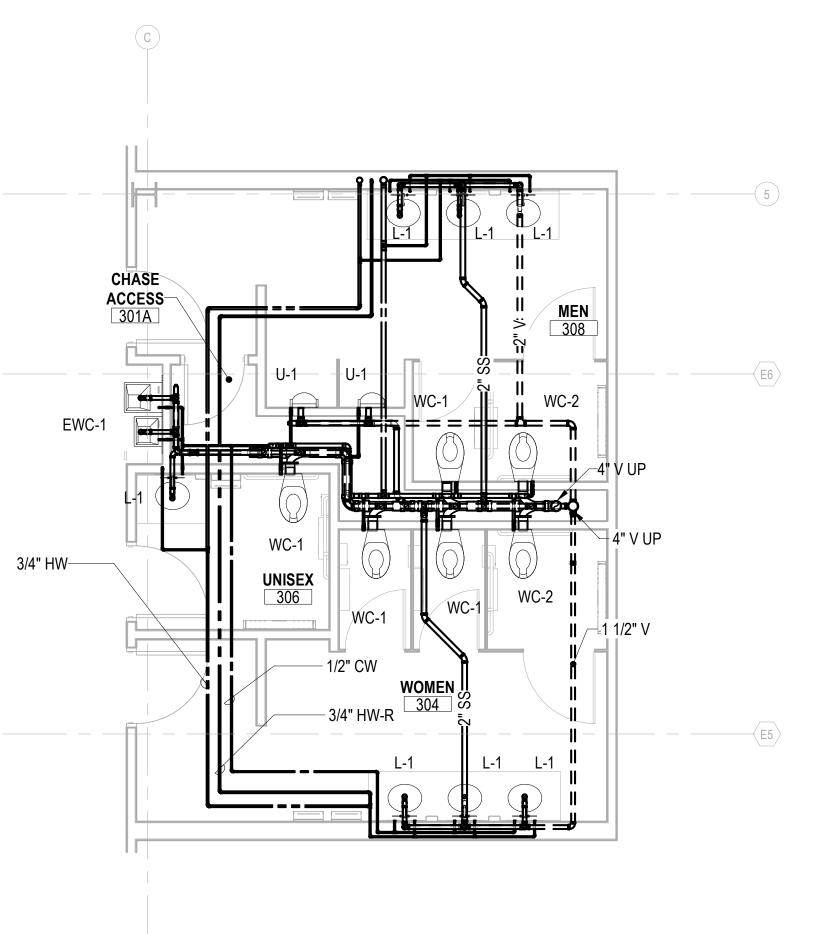


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PLUMBING - ENLARGED PLANS

176425

JOB NUMBER



3 ENLARGED TOILET 404/406/408 SCALE: 1/4" = 1'-0"

3/4" HW-R-

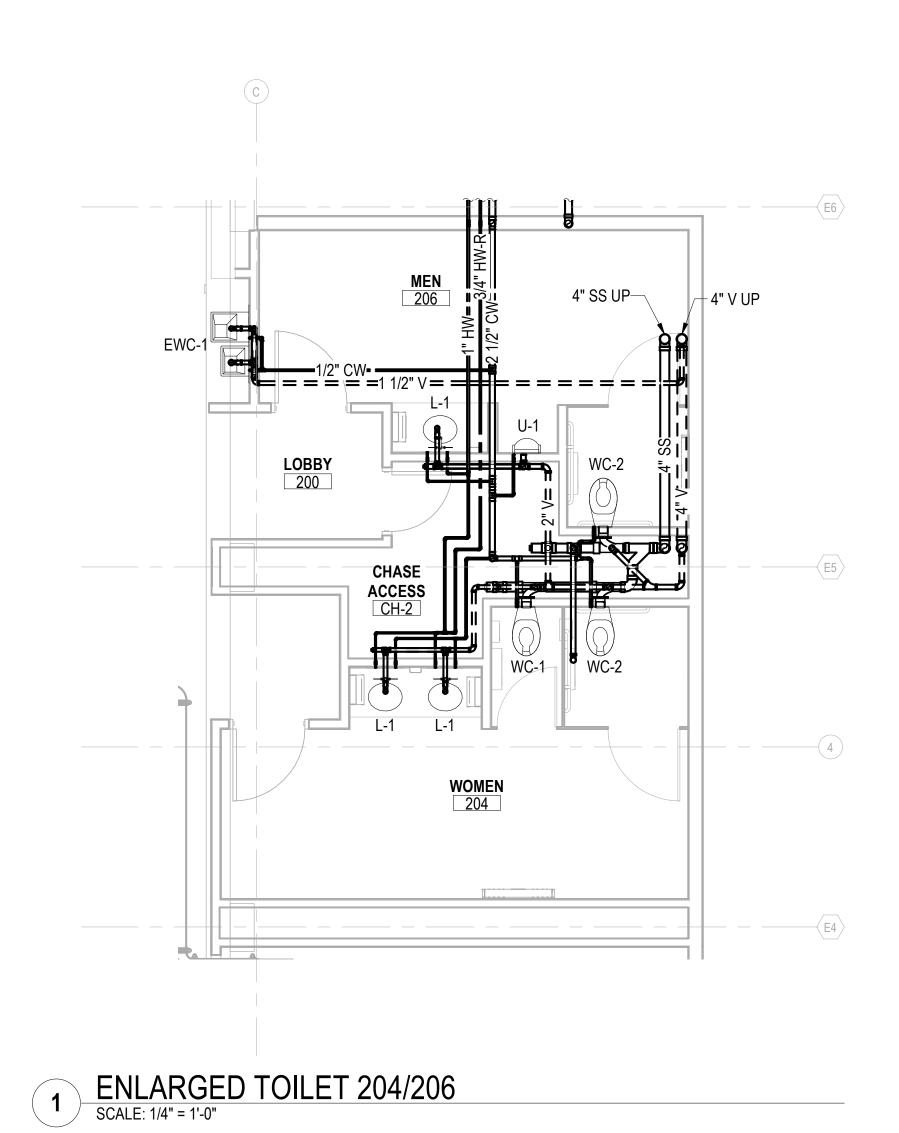
2" CW— 3/4" HW-R—

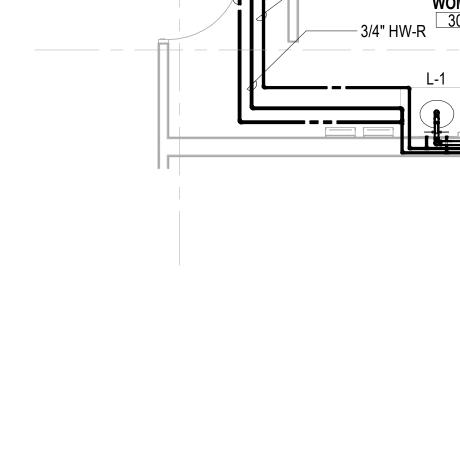
EWC-1

2" CW-

3/4" HW-R-

1 1/2" HW—





ENLARGED TOILET 304/306/308SCALE: 1/4" = 1'-0"

14 JAN 2021

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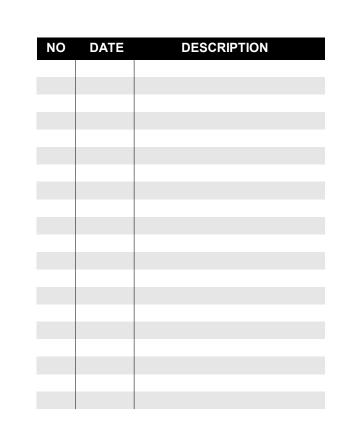
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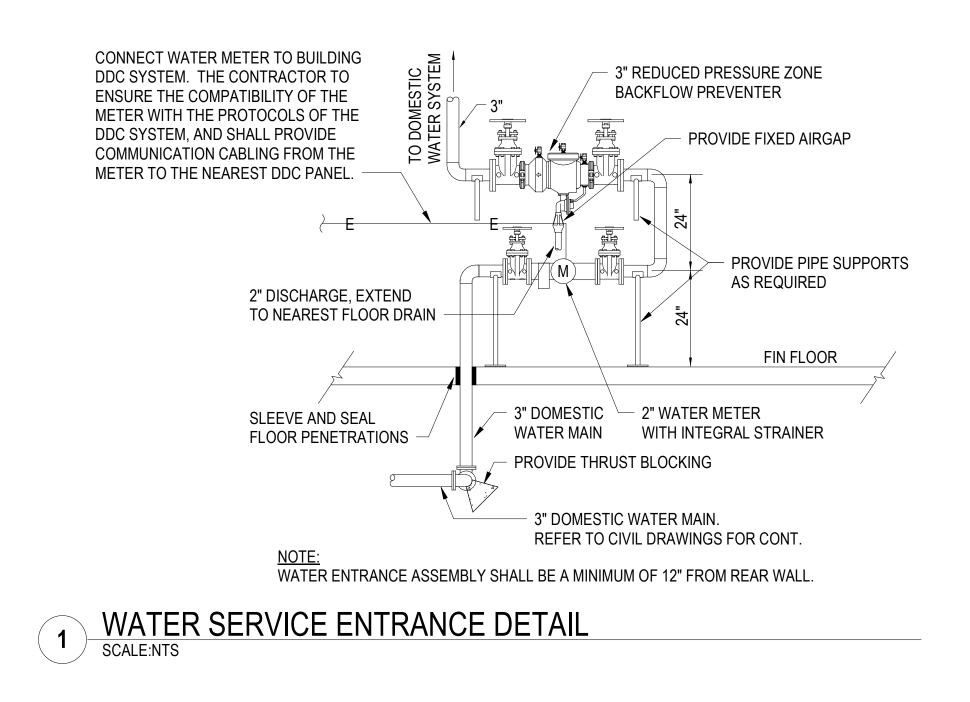
PLUMBING - DETAILS

SEAL

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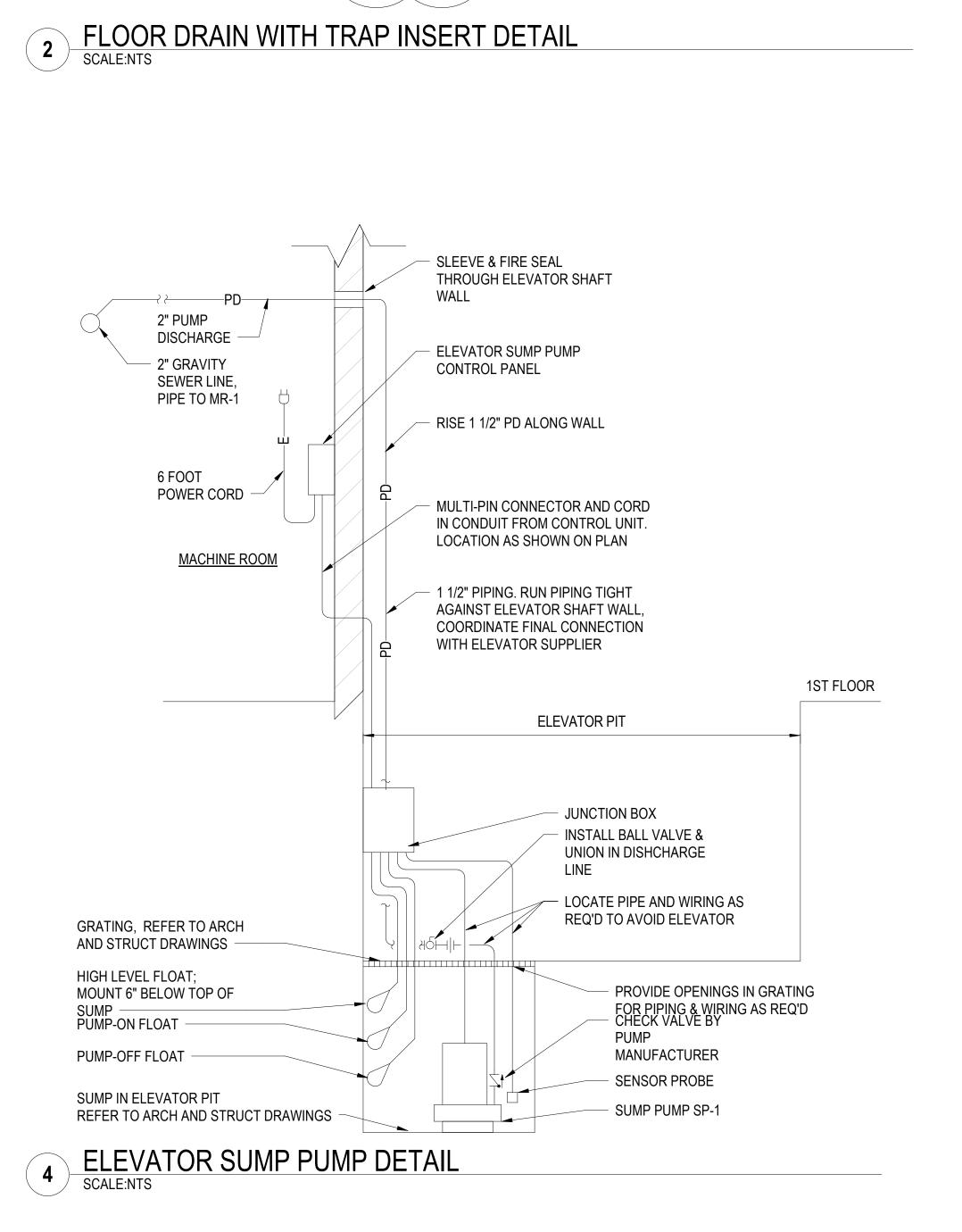
STORAGE

TANK

WST-1

─ 4" HOUSEKEEPING PAD (TYP)

RCP-2



PROVIDE WATERPROOF MEMBRANE FOR ABOVE GRADE FLOOR DRAIN INSTALLATIONS

FINISHED FLOOR

CONCRETE SLAB.

REFER TO STRUCTURAL DRAWINGS

- 4" SANITARY, UNLESS

OTHERWISE NOTED

FLOOR DRAIN/FLOOR SINK.

TYPES ——— INTEGRAL MEMBRANE

FLASHING CLAMP —

REFER TO PLANS AND SCHEDULES FOR

PROVIDE TRAP INSERT, SIMILAR TO

PROSET TRAP GUARD

WATER

HEAT PUMP

WTWHP-1

SEE HVAC DWGS

3 WATER HEATER SCHEMATIC
SCALE: 12" = 1'-0"

			PLUMBING FIXTURE SCHEDULE				2015	INTE	RNATIO	ONAL	. PLU	MBING	CODE
TAC	FIVTUDE	DACIC OF DECICAL	DESCRIPTION	FLOW	(CONNECTIO	ON SIZE (i	1)	DFU		SFU		NOTES
TAG	FIXTURE	BASIS OF DESIGN	DESCRIPTION	(GPM / GPF)	SS	VENT	CW	HW	DFU	HW	CW	TOTAL	NOTES
EWC-1		FIXTURE: ELKAY:		0.1 GPM	2"	1-1/2"	1/2"		0.5		0.25		
EWC-2	WATER COOLER - ADA	FIXTURE: ELKAY: EZS8WSSK	SINGLE LEVEL WALL HUNG WATER COOLER WITH BOTTLE FILLING STATION. THE UNIT SHALL BE COMPLETE WITH CABINET, MOUNTING FRAME, SELF CLOSING EASY TOUCH SIDE AND FRONT PUSHBAR CONTROLS, FLEXIGUARD SAFETY BUBBLER, REFRIGERATING SYSTEM, AIR COOLED, 120 VOLT, 60 CYCLE, SINGLE PHASE POWER CONNECTION, FULLY AUTOMATIC, COMPLETE AND READY TO OPERATE. MOUNT UNIT AT ADA COMPLIANT HEIGHT.	0.1 GPM	2"	1-1/2"	1/2"		0.5		0.25		
L-1	LAVATORY	FIXTURE: AMERICAN STANDARD:		0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"	1	1.5	1.5	0	1,2,3,4
MR-1													1,2,3,4
U-1	URINAL	FIXTURE: AMERICAN STANDARD: 6590.503 VALVE: SLOAN: 8186-0.125 CARRIER: ZURN:Z1222	WALL HUNG, VITREOUS CHINA, BATTERY-POWERED INFRARED FLUSH VALVE, WALL URINAL SUPPORT SYSTEM	0.1 GPF	2"	1-1/2"	3/4"		2		5	10	1,2,3,4
WC-1	WATER CLOSET	FIXTURE: AMERICAN STANDARD: 2859.128 VALVE: SLOAN CARRIER: ZURN:		1.3 GPF	4"	2"	1"		4		10	10	1,2,3,4
WC-2	WATER CLOSET - WALL HUNG - ADA	FIXTURE: AMERICAN STANDARD: AFWALL SLOAN: 8111-1.28	ELONGATED WALL HUNG WATER CLOSET, 1-1/2" TOP SPUD, WITH CHURCH 295CT ELONGATED OPEN FRONT SEAT. SOLAR POWERED SENSOR ACTIVATED FLUSHOMETER. INSTALL AT ADA COMPLIANT HEIGHT.	1.3 GPF	4"	2"	1"		4		10	10	
WC-3A	WATER CLOSET	FIXTURE: AMERICAN STANDARD: 2857.128 VALVE: SLOAN: 111-1.28 CARRIER: ZURN:	FLOOR MOUNTED, VITREOUS CHINA, MANUAL FLUSH VALVE, ADA COMPLIANT	1.3 GPF	4"	2"	1"		4		10	10	1,2,3,4
TP-1	TRAP PRIMER	FIXTURE: PPP: P1-500	AUTOMATIC, PRESSURE-ACTIVATED, 4-WAY DISTRIBUTION UNIT (DU-4), FOR 1-4 DRAINS.	0.0 GPF			1/2"		0		0	0	1, 9

	WATER HAMMER ARRESTOR SCHEDULE							
P.D.I.	CONN SIZE	TYPE	FIXTURE UNIT	BASIS O	F DESIGN	NOTES		
SIZE	(mm)	IYPE	CAPACITY	MANUF	MODEL	NOTES		
А	20	NESTING TYPE BELLOWS	1 TO 11 SFU	ZURN	100	1, 2, 3		
В	20	NESTING TYPE BELLOWS	12 TO 32 SFU	ZURN	200	1, 2, 3		
С	25	NESTING TYPE BELLOWS	33 TO 60 SFU	ZURN	300	1, 2, 3		
D	25	NESTING TYPE BELLOWS	61 TO 113 SFU	ZURN	400	1, 2, 3		
E	25	NESTING TYPE BELLOWS	114 TO 154 SFU	ZURN	500	1, 2, 3		
F	25	NESTING TYPE BELLOWS	155 TO 330 SFU	ZURN	600	1, 2, 3		

NOTES:

- 1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 2. PROVIDE WATER HAMMER ARRESTORS AT FLUSH VALVE-OPERATED FIXTURES, SOLENOID VALVES, AND ANY OTHER QUICK CLOSING VALVES.
- 3. FURNISH ACCESS PANELS, WHERE REQUIRED, FOR INSTALLATION BY GENERAL CONTRACTOR.



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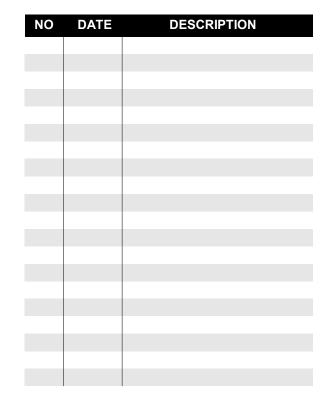
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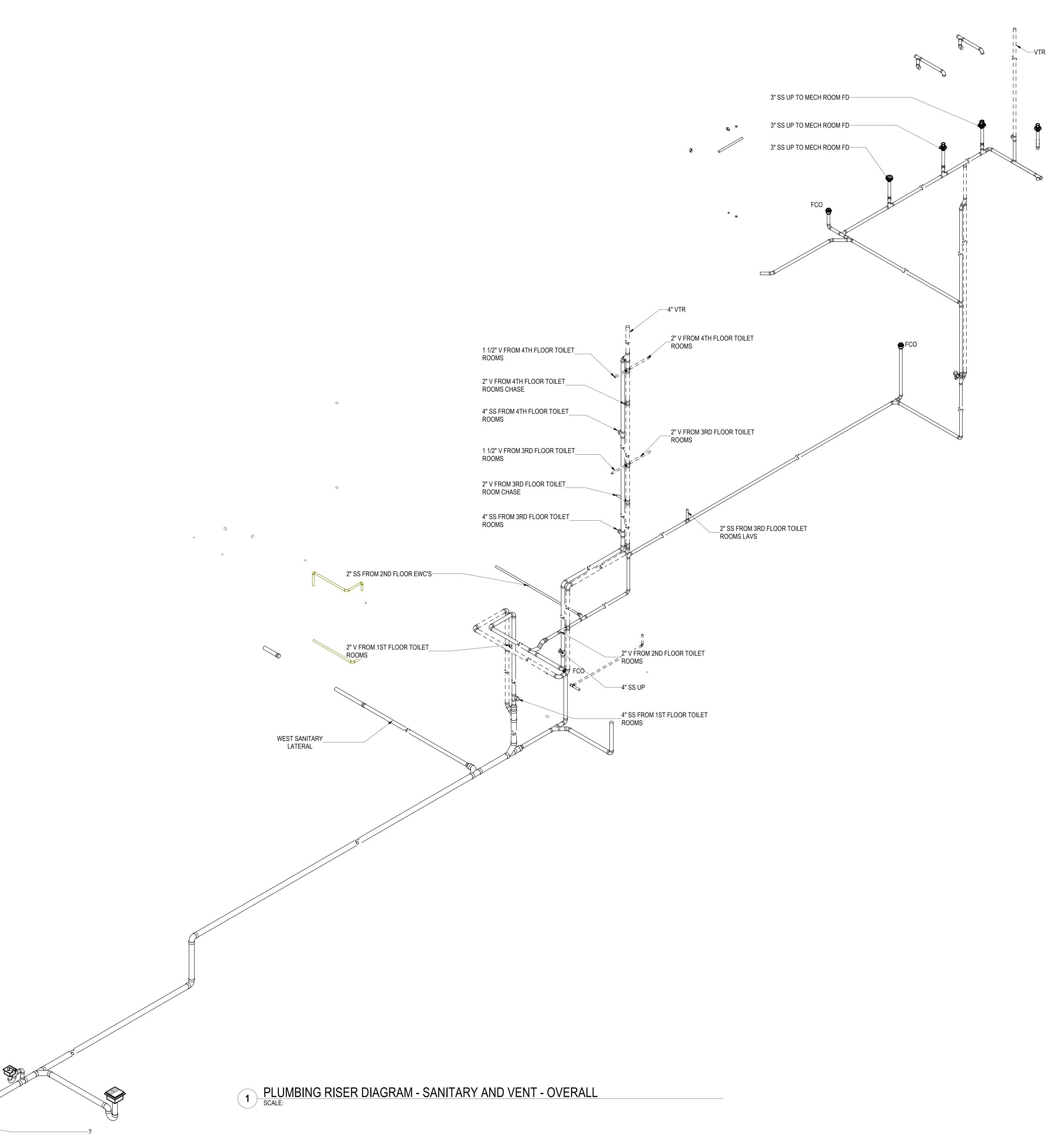


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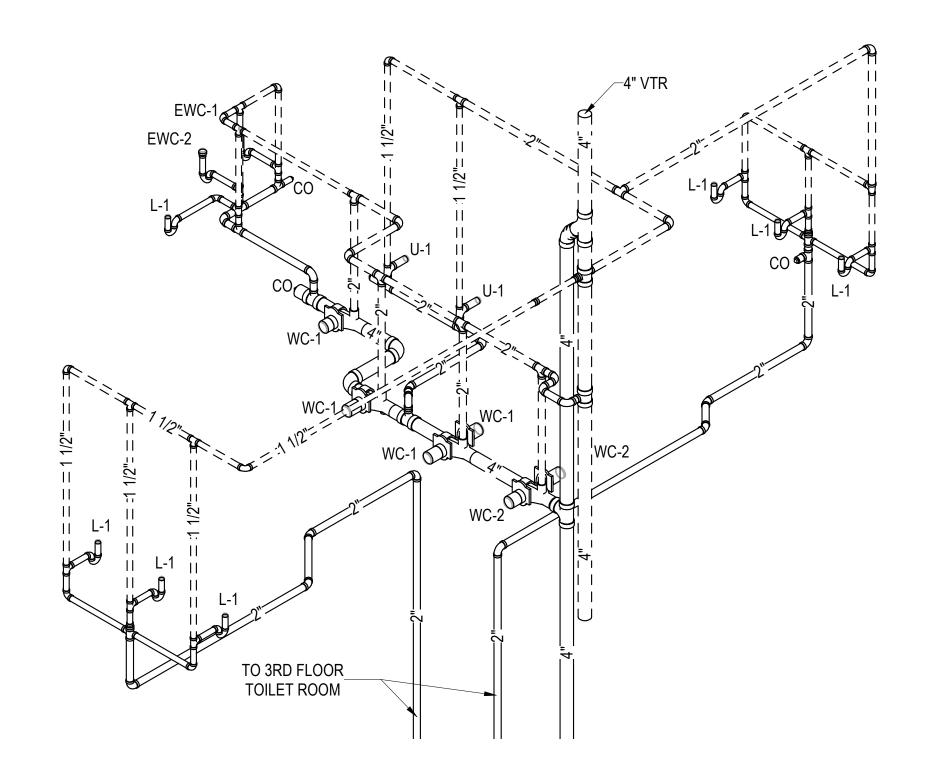
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PLUMBING - RISER DIAGRAMS

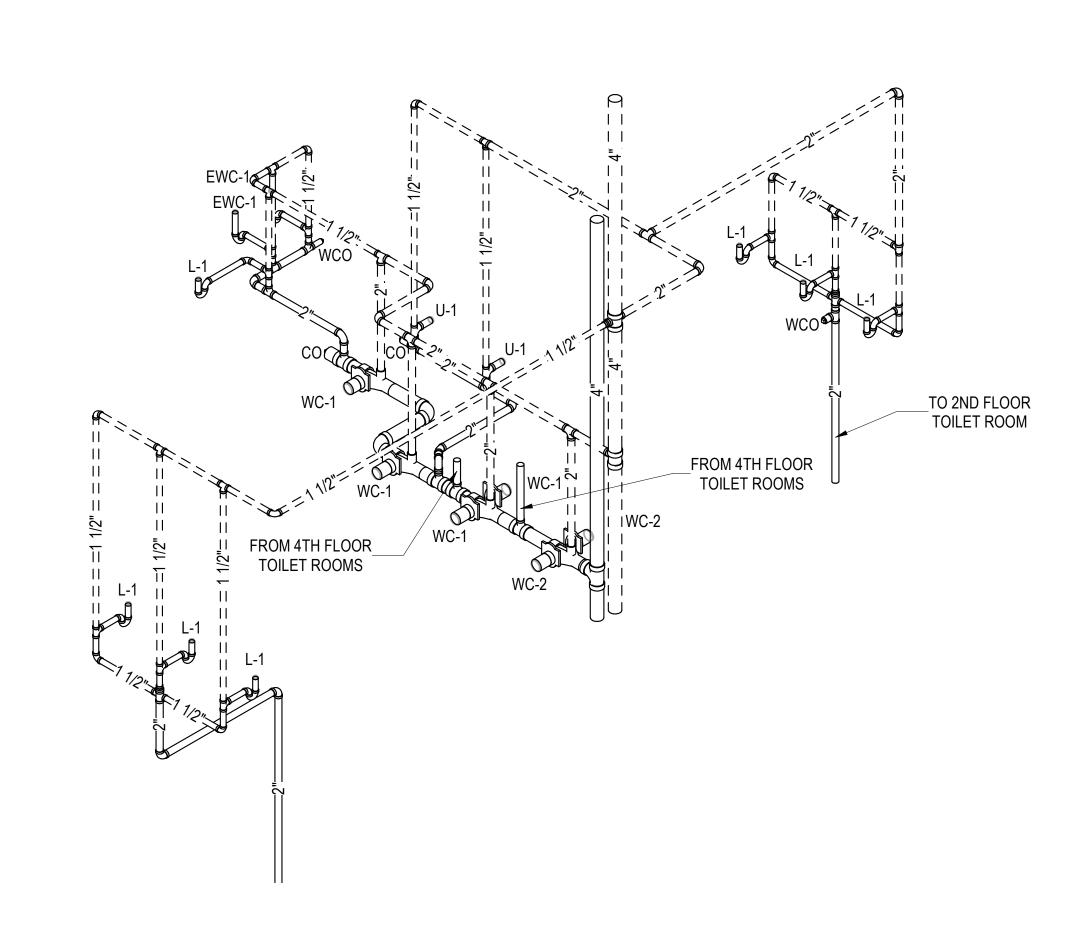
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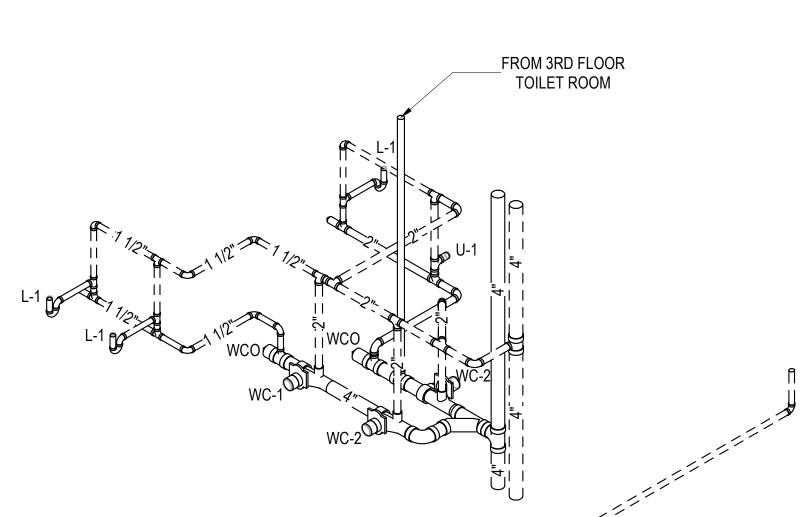


PLUMBING RISER DIAGRAM - SANITARY AND VENT - FOURTH FLOOR TOILET ROOM

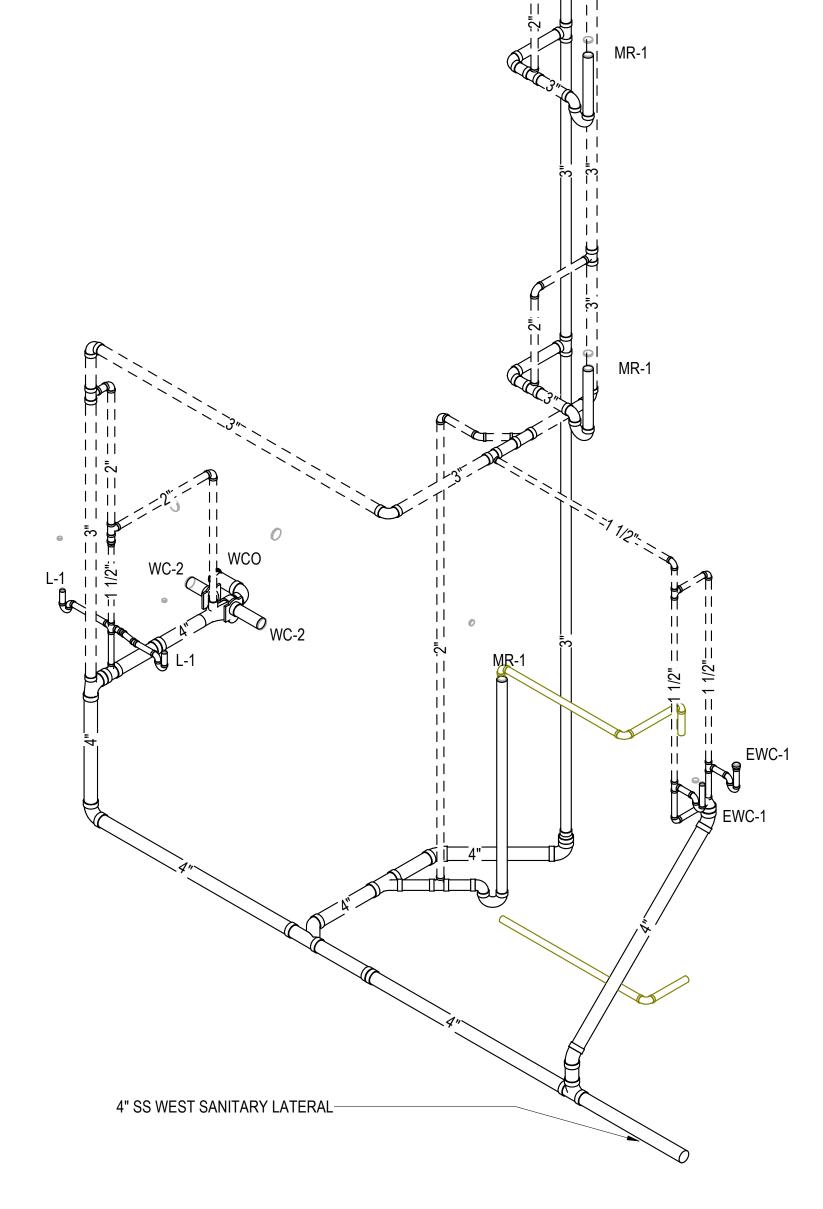
SCALE:



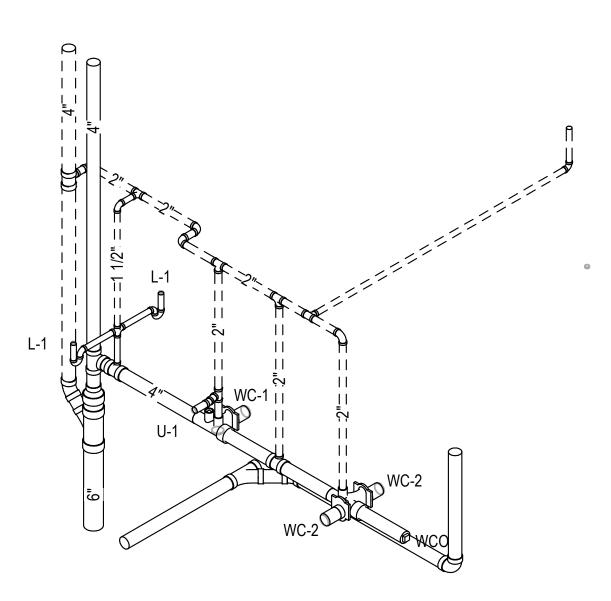
PLUMBING RISER DIAGRAM - SANITARY AND VENT - THIRD FLOOR TOILET ROOM SCALE:



3 PLUMBING RISER DIAGRAM - SANITARY AND VÉNT - SECOND FLOOR TOILET ROOM SCALE:



PLUMBING RISER DIAGRAM - SANITARY AND VENT - WEST SCALE:



PLUMBING RISER DIAGRAM - SANITARY AND VENT - FIRST FLOOR TOILET ROOM
SCALE:

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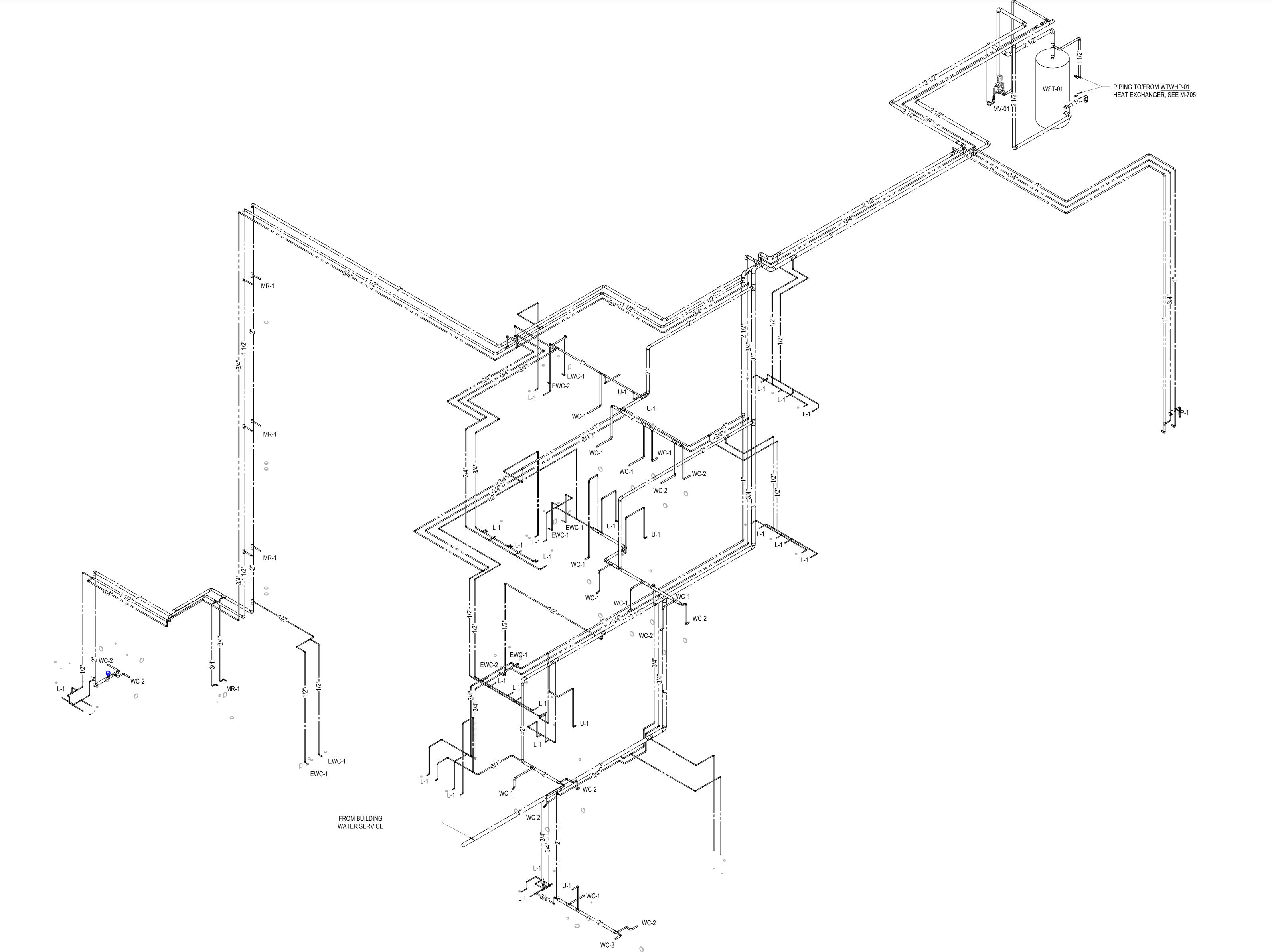
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1 DOMESTIC WATER RISER DIAGRAM
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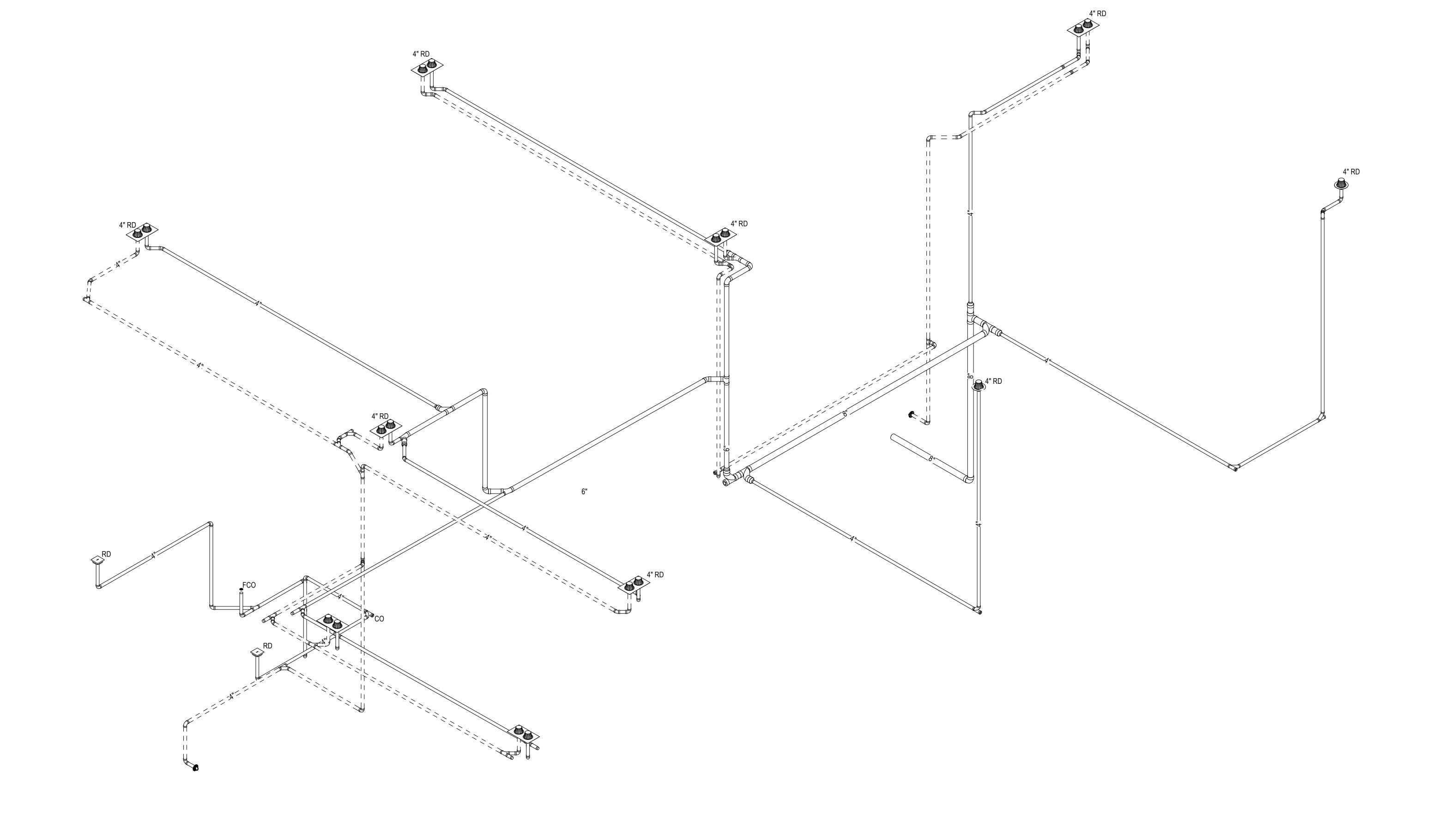
PLUMBING - RISER DIAGRAMS

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14 JAN 2021

P704

176425



1 STORM RISER DIAGRAM SCALE:

REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTERS AND GRADE BEAMS.
REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTERS AND

ALL UNDERFLOOR SANITARY SEWERS SHALL BE

UNDERFLOOR VENTS SHALL CONNECT ABOVE CENTERLINE OF WASTE / SANITARY PIPE & SHALL

MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE.

UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE.

REFER TO P-700 SERIES FOR RISER DIAGRAMS.

PROVIDE 45° CONNECTION TO WASTE / SANITARY

INSTALLED AT A MINIMUM SLOPE OF

[1%][1/8"/1'-0"], UNLESS NOTED OTHERWISE.

RISE CONTINUOUSLY THROUGH FLOOR A

& SYMBOLS.

GRADE BEAMS.

SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS

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PLUMBING -UNDERGROUND PLAN

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