Sewage Facilities Planning Module

For the

Gordo's Tacos Restaurant Project

City of Pittsburgh, Allegheny County, Pennsylvania

September 2020

Prepared for:

Stonehendge Partners, LLC
131 Shiloh Street
Pittsburgh, Pennsylvania 15211

Prepared by:

Tetra Tech, Inc.
6715 Tippecanoe Road, Suite 2C
Canfield, Ohio 44406

TABLE OF CONTENTS

LIST OF COMPONENTS

COMPONENT 3 Sewage Collection and Treatment Facilities

COMPONENT 4A Municipal Planning Agency Reveiw

LIST OF APPENDICES

APPENDIX A USGS 7.5 Minute Site Location Map

APPENDIX B Project Narrative

APPENDIX C PWSA Correspondence

Item 1. Water and Sewer Availability Letter
Item 2. Tap Allocation Authorization Letter
Item 3. Water and Sewer (W/S) Use Approval Letter
Item 4. SFPM Approval for Collection System (dated 3/18/2021)
Item 5. SFPM Chapter 94 Consistency Determination (dated 3/15/2021)

APPENDIX D Alternative Analysis Narrative

APPENDIX E Plot Plan

APPENDIX F PHMC Review Letter

APPENDIX G PNDI Project Environmental Review Receipt

LIST OF ACRONYMS/ABBREVIATIONS

ALCOSAN	Allegheny County Sanitary Authority
EDU	equivalent dwelling unit
GPD	gallons per day
HVAC	heating, ventilation, and air conditioning
PADEP	Pennsylvania Department of Environmental Protection
PHMC	Pennsylvania Historical and Museum Commission
PNDI	Pennsylvania Natural Diversity Inventory
PWSA	Pittsburgh Water and Sewer Authority
SFPM	Sewage Facilities Planning Module
Tetra Tech	Tetra Tech, Inc.
the Project	Gordo's Tacos Restaurant Project
USGS	United States Geological Survey
W/S	water and sewer
WWTP	Waste Water Treatment Plant

1.0 INTRODUCTION

Tetra Tech, Inc. (Tetra Tech) has prepared this Sewage Facilities Planning Module (SFPM) for the Gordo's Tacos Restaurant project (the Project) in the City of Pittsburgh, Allegheny County, Pennsylvania for Stonehendge Partners, LLC. The SFPM has been prepared in relation to a change of use of facility/property with an increase in sanitary flows (greater than 799 gallons per day (GPD)) to an existing sewer tap conveying to an existing Pittsburgh Water and Sewer Authority (PWSA) sewer.

1.1 ABSTRACT

The SFPM has been prepared on behalf of Stonehedge Partners, LLC (contact: Mr. Jacob Machel). The Project is located in Mt. Washington at 131 Shiloh Street, Pittsburgh, Pennsylvania, 15211. The Project proposes sanitary sewer improvements which will utilize an existing tap into the existing public sewer owned, operated and maintained by PWSA. The public sewer ultimately discharges to the Woods Run Waste Water Treatment Plant (WWTP) owned, operated and maintained by the Allegheny County Sanitary Authority (ALCOSAN). The water and sewer (W/S) peak flow for the Project is estimated to be 4,248 GPD; or 10.62 equivalent dwelling units (EDU) where 1 EDU = 400 GPD.

Following this Introduction are SFPM Component 3 and Component 4A along with supporting information contained within the appendices.

COMPONENT 3
SEWAGE COLLECTION AND TREATMENT FACILITIES

3800-FM-BPNPSM0353 Rev. 2/2015
Form

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Code No.

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

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

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

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

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

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

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

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name Gordo's Tacos Restaurant

2. Brief Project Description Renovation of an existing structure for conversion into a restaurant facility.

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

Municipality Name	County	City	Boro	Twp
City of Pittsburgh	Allegheny	☒	☐	☐

Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Smith	Benjamin	I	-	Assistant City Solicitor
Additional Individual Last Name	First Name	MI	Suffix	Title
-	-	-	-	-

Municipality Mailing Address Line 1	Mailing Address Line 2
414 Grant Street	313 City-County Building

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

Area Code + Phone + Ext.	FAX (optional)	Email (optional)
412-255-2014	-	benjamin.smith@pittsburghpa.gov

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

Gordo's Tacos Restaurant

Site Location Line 1	Site Location Line 2
131 Shiloh Street	-

Site Location Last Line -- City	State	ZIP+4	Latitude	Longitude
Pittsburgh	PA	15211	40.430770	-80.007174

Detailed Written Directions to Site From Pittsburgh: Take Crosstown Blvd across Liberty Bridge to PJ McArdle Roadway. Turn right on PJ McArdle Roadway and continue to Grandview Ave. Turn left on Grandview Ave. and continue to Shiloh Rd. Turn right on Shiloh Rd. and continue one block. Site is located at the intersection of Shiloh Rd. and Sycamore St.

Description of Site A city lot 2,569 sqft in size with an existing 26' x 66' structure.

Site Contact (Developer/Owner)

Last Name	First Name	MI	Suffix	Phone	Ext.
Machal	Jacob	-	-	724-288-6588	-

Site Contact Title	Site Contact Firm (if none, leave blank)
Owner	StoneHendge Partners, LLC

FAX	Email
-	jacob.machel@ngkf.com

Mailing Address Line 1	Mailing Address Line 2
200 Robinhood Lane	-

Mailing Address Last Line -- City	State	ZIP+4
Canonsburg	PA	15317

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

Last Name	First Name	MI	Suffix
Chlebus	Brian	-	-

Title	Consulting Firm Name
Civil Engineer	Tetra Tech, Inc.

Mailing Address Line 1	Mailing Address Line 2
6715 Tippecanoe Road, Suite C201	-

Address Last Line – City	State	ZIP+4	Country
Canfield	OH	44406	United States

Email	Area Code + Phone	Ext.	Area Code + FAX
brian.chlebus@tetratech.com	330-286-3683	-	-

E. AVAILABILITY OF DRINKING WATER SUPPLY

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

☐ Individual wells or cisterns.

☐ A proposed public water supply.

☒ An existing public water supply.

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

Name of water company: Pittsburgh Water and Sewer Authority

F. PROJECT NARRATIVE (See Section F of instructions)

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

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

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

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

1. **COLLECTION SYSTEM**

a. Check appropriate box concerning collection system

☐ New collection system ☐ Pump Station ☐ Force Main

☐ Grinder pump(s) ☐ Extension to existing collection system ☐ Expansion of existing facility

Clean Streams Law Permit Number _____

b. Answer questions below on collection system

Number of EDU's and proposed connections to be served by collection system. EDU's 10.62

Connections 1

Name of:

existing collection or conveyance system Vinecliffe St 18" VCP

owner Pittsburgh Water and Sewer Authority

existing interceptor Monongahela River

owner ALCOSAN

2. **WASTEWATER TREATMENT FACILITY**

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

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

☐ New facility ☒ Existing facility ☐ Upgrade of existing facility ☐ Expansion of existing facility

Name of existing facility ALCOSAN Woods Run WWTP

NPDES Permit Number for existing facility PA0025984

Clean Streams Law Permit Number _____

Location of discharge point for a new facility. Latitude 40.476111 Longitude -80.045556

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

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

Name of Permittee Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Joseph A. Sparsanie P.E.

Agent Signature _____ Date 3-30-21

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. **PLOT PLAN**

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

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

4. **WETLAND PROTECTION**

	YES	NO	
a.	☐	☒	Are there wetlands in the project area? If yes, ensure these areas appear on the plot plan as shown in the mapping or through on-site delineation.
b.	☐	☐	Are there any construction activities (encroachments, or obstructions) proposed in, along, or through the wetlands? If yes, Identify any proposed encroachments on wetlands and identify whether a General Permit or a full encroachment permit will be required. If a full permit is required, address time and cost impacts on the project. Note that wetland encroachments should be avoided where feasible. Also note that a feasible alternative **MUST BE SELECTED** to an identified encroachment on an exceptional value wetland as defined in Chapter 105. Identify any project impacts on streams classified as HQ or EV and address impacts of the permitting requirements of said encroachments on the project.

5. **PRIME AGRICULTURAL LAND PROTECTION**

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

6. **HISTORIC PRESERVATION ACT**

YES	NO	
☒	☐	Sufficient documentation is attached to confirm that this project is consistent with DEP Technical Guidance 012-0700-001 *Implementation of the PA State History Code* (available online at the DEP website at www.dep.state.pa.us, select "subject" then select "technical guidance"). As a minimum this includes copies of the completed Cultural Resources Notice

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

7. **PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES**

Check one:

☒ The "Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt" resulting from my search of the PNDI database and all supporting documentation from jurisdictional agencies (when necessary) is/are attached.

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

Applicant or Consultant Initials _____.

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

☒ An alternative sewage facilities analysis has been prepared as described in Section H of the attached instructions and is attached to this component.

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

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

1. **Waters designated for Special Protection**

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

2. **Pennsylvania Waters Designated As Impaired**

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

3. **Interstate and International Waters**

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

4 **Tributaries To The Chesapeake Bay**

☐ The proposed project result in a new or increased discharge of sewage into a tributary to the Chesapeake Bay. This proposal for a new sewage treatment facility or new flows to an existing facility includes total nitrogen and total phosphorus in the following amounts: _____ pounds of TN per year, and _____ pounds of TP per year. Based on the process design and effluent limits, the total nitrogen treatment capacity of the wastewater treatment facility is _____ pounds per year and the total phosphorus capacity is _____ pounds per year as determined by the wastewater treatment facility 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 of instructions)

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

1. Project Flows 4,248 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

   When providing "treatment facilties" 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	854752	2991631	34000	53000	17174	60215
Conveyance		3,140,000	635,000	706,000	646,800	718,500
Treatment		230,000,000	209,300,000	250,000,000	219,700,000	295,000,000

3. Collection and Conveyance Facilities

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

   YES NO

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

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

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

   b. Collection System

   Name of Agency, Authority, Municipality PWSA

   Name of Responsible Agent Barry King, PE, PMP

   Agent Signature BKK Date 3/16/2021

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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Joseph A. Sparbanie, P.E.

Agent Signature JAS

Date 3-30-21

4. Treatment Facility

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

	YES	NO	
a.	☐	☒	This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility?

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

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

b. Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Joseph A. Sparbanie, P.E.

Agent Signature JAS

Date 3-30-21

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

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

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

☐ 1. Spray irrigation (other than individual residential spray systems (IRSIS)) or other land application is proposed, and the information requested in Section K.1. of the planning module instructions are attached.

☐ 2. Recycle and reuse is proposed and the information requested in Section K-2 of the planning module instructions is attached.

☐ 3. A discharge to a dry stream channel is proposed, and the information requested in Section K.3. of the planning module instructions are attached.

☐ 4 A discharge to a perennial surface water body is proposed, and the information requested in Section K.4. of the planning module instructions are attached.

☐ L. PERMEABILITY TESTING (See Section L of instructions)

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

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

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

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

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

O. SEWAGE MANAGEMENT (See Section O of instructions)

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

	Yes	No	
1.	☐	☒	Is connection to, or construction of, a DEP permitted, non-municipal sewage facility or a local agency permitted, community onlot sewage facility proposed.

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

2. Project Flows _____ gpd

	Yes	No	
3.	☐	☐	Is the use of nutrient credits or offsets a part of this project?

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

(For completion by non-municipal facility agent)

4. Collection and Conveyance Facilities

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

	Yes	No	
a.	☐	☐	If this project proposes sewer extensions or tap-ins, will these actions create a hydraulic overload on any existing collection or conveyance facilities that are part of the system?

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

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

b. Collection System
Name of Responsible Organization _____
Name of Responsible Agent _____
Agent Signature _____
Date _____

c. Conveyance System
Name of Responsible Organization _____
Name of Responsible Agent _____
Agent Signature _____
Date _____

5. Treatment Facility

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

	Yes	No	
a.	☐	☐	If this project proposes the use of an existing non-municipal wastewater treatment plant for the disposal of sewage, will this action create a hydraulic or organic overload at that facility?

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

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

b. Name of Facility _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

(For completion by the municipality)

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

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

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

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

	Yes	**No**	
1.	☐	☒	Does the project propose the construction of a sewage treatment facility ?
2.	☐	☒	Will the project change the flow at an existing sewage treatment facility by more than 50,000 gallons per day?
3.	☐	☒	Will the project result in a public expenditure for the sewage facilities portion of the project in excess of $100,000?
4.	☐	☒	Will the project lead to a major modification of the existing municipal administrative organizations within the municipal government?
5.	☐	☒	Will the project require the establishment of *new* municipal administrative organizations within the municipal government?
6.	☐	☒	Will the project result in a subdivision of 50 lots or more? (onlot sewage disposal only)
7.	☐	☒	Does the project involve a major change in established growth projections?
8.	☐	☒	Does the project involve a different land use pattern than that established in the municipality's Official Sewage Plan?

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

9. ☐ ☒ Does the project involve the use of large volume onlot sewage disposal systems (Flow > 10,000 gpd)?
10. ☐ ☒ Does the project require resolution of a conflict between the proposed alternative and consistency requirements contained in §71.21(a)(5)(i), (ii), (iii)?
11. ☐ ☒ Will sewage facilities discharge into high quality or exceptional value waters?

☐ Attached is a copy of:
- ☐ the public notice,
- ☐ all comments received as a result of the notice,
- ☐ the municipal response to these comments.

☐ No comments were received. A copy of the public notice is attached.

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

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

Brian Chlebus, P.E.	
Name (Print)	Signature
Civil Engineer	SEPTEMBER 28, 2020
Title	Date
6715 Tippecanoe Rd, Suite C201 - Canfield, OH 44406	330-286-3683
Address	Telephone Number

R. REVIEW FEE (See Section R of instructions)

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

☐ I request DEP calculate the review fee for my project and send me an invoice for the correct amount. I understand DEP's review of my project will not begin until DEP receives the correct review fee from me for the project.

☒ I have calculated the review fee for my project using the formula found below and the review fee guidance in the instructions. I have attached a check or money order in the amount of $531.00 payable to "Commonwealth of PA, DEP". Include DEP code number on check. I understand DEP will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, DEP will return my check or money order, send me an invoice for the correct amount. I understand DEP review will NOT begin until I have submitted the correct fee.

☐ I request to be exempt from the DEP planning module review fee because this planning module creates **only** one new lot and is the **only** lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize that subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I am furnishing the following deed reference information in support of my fee exemption.

County Recorder of Deeds for _____ County, Pennsylvania

Deed Volume _____ Book Number _____

Page Number _____ Date Recorded _____

R. REVIEW FEE (continued)

Formula:

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

   #10.62 EDUs Lots (or EDUs) X $50.00 = $ 531.00

   The fee is based upon:

   - The number of lots created or number of EDUs whichever is higher.
   - For community sewer system projects, one EDU is equal to a sewage flow of 400 gallons per day.

2. For a surface or subsurface discharge system, use the appropriate one of these formulae.

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

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

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

   #_____ Lots (or EDUs) X $35.00 = $ _____

   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)

COMPONENT 4A
MUNICIPAL PLANNING AGENCY REVIEW

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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.

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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.

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

Project Name
Gordo's Tacos

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

1. Date plan received by municipal planning agency April 8, 2021
2. Date review completed by agency April 14, 2021

SECTION C. AGENCY 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 _____
☒	☐	3.	Is this proposal consistent with the use, development, and protection of water resources? If no, describe the inconsistencies _____
☒	☐	4.	Is this proposal consistent with municipal land use planning relative to Prime Agricultural Land Preservation?
☐	☒	5.	Does this project propose encroachments, obstructions, or dams that will affect wetlands? If yes, describe impacts _____
☐	☒	6.	Will any known historical or archaeological resources be impacted by this project? If yes, describe impacts _____
☐	☒	7.	Will any known endangered or threatened species of plant or animal be impacted by this project? If yes, describe impacts _____
☒	☐	8.	Is there a municipal zoning ordinance?
☒	☐	9.	Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
☐	☒	10.	Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance?
☒	☐	11.	Have all applicable zoning approvals been obtained?
☒	☐	12.	Is there a municipal subdivision and land development ordinance?

SECTION C. AGENCY REVIEW (continued)

Yes	No		
☒	☐	13.	Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
☒	☐	14.	Is this plan consistent with the municipal Official Sewage Facilities Plan? If no, describe the inconsistencies _____
☐	☒	15.	Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
☐	☒	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: Senior Environmental Planner

Signature: Martina Wolf Battistone

Date: April 14, 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

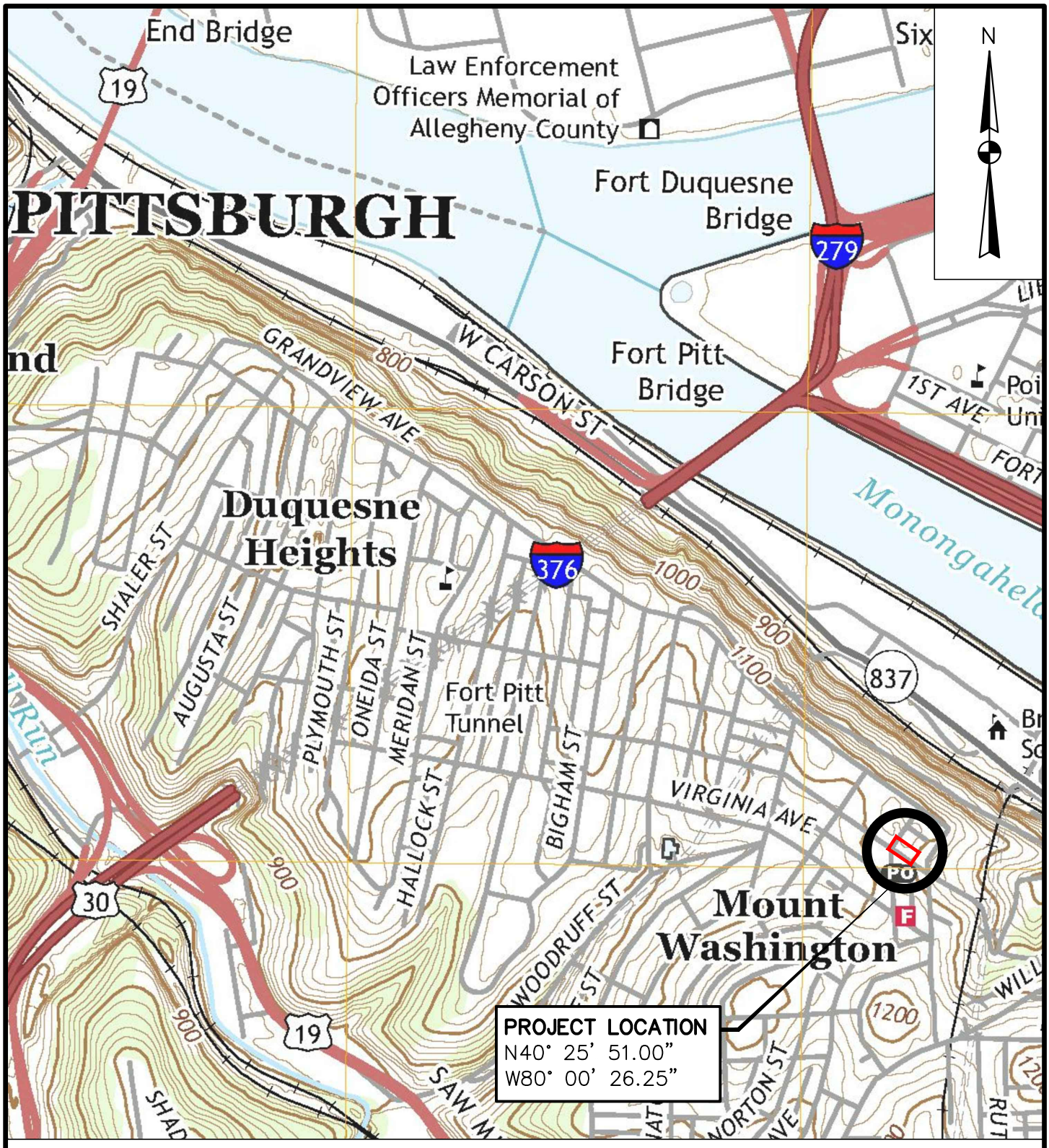
SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

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

The planning agency must complete this component within 60 days.

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

APPENDIX A
USGS 7.5 MINUTE SITE LOCATION MAP



PITTSBURGH WEST, PA 7.5 MINUTE QUADRANGLE, 2019

TETRA TECH
WWW.TETRATECH.COM
6715 TIPPECANOE ROAD – SUITE C201
CANFIELD, OH 44406
T: (330) 286-3683 | F: (330) 286-3573

GORDO'S TACOS
CITY OF PITTSBURGH, ALLEGHENY COUNTY

LOCATION MAP

DATE:	03/17/2020
PROJECT NO.:	212C-CF-00303
DRAWN BY:	BC
CHECKED BY:	GH
SCALE:	AS SHOWN
SHEET:	1 OF 1

APPENDIX B
PROJECT NARRATIVE

GORDO'S TACOS RESTAURANT
131 SHILOH STREET – MT. WASHINGTON
CITY OF PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA

PROJECT NARRATIVE

This Pittsburgh Water and Sewer Authority (PWSA) Water and Sewer (W/S) Use Application has been prepared for Gordo's Tacos Restaurant (Project) on behalf of the property owner, Stonehendge Partners LLC (contact: Mr. Jacob Machel). In accordance with PWSA planning requirements, the application is being submitted in relation to a change of use of facility/property with an increase in sanitary flows (greater than 799 gallons per day) to and existing sewer tap conveying to an existing PWSA sewer.

Property Description

The property is located at 131 Shiloh Street – Mt. Washington, City of Pittsburgh, Allegheny County, Pennsylvania. The building footprint is approximately 1,350 square foot and is located on a 2,569 square foot parcel. The building is estimated to be 100 years old. Sanitary sewer for the existing and proposed conditions discharges south into the public sewer within East Sycamore Street.

Existing Conditions

The building exists as a side-by-side duplex with a commercial use and has been vacant for over 5 years. Past use of the building included occupancy of a barber shop and a tattoo parlor on the first floor; and two 2-bedroom apartments on the second floor.

To estimate W/S peak flow for previous use of the building, guidance provided in Section 73.17(b) of 25 Pa. Code was referenced. For the purpose of this calculation, the tattoo parlor and the barber shop on the first floor were each assumed to have one customer chair and considered to be in the category of a beauty shop. Section 73.17(b) identifies a flow of 200

gallons per day (gpd) per customer chair for a beauty shop and 300 gpd for a 2-bedroom apartment. Therefore, the W/S peak flow for the buildings previous use is estimated to be 1,000 gpd.

Note: PWSA defines "existing flow" as the peak daily flow within the past five years. Therefore, since the structure has not been occupied within the past five years, the existing flow for the purpose of this W/S Use Application shall be 0 gpd.

Proposed Improvements

Proposed renovations will include updating the building for occupancy of a restaurant facility with capacity to serve approximately 118 patrons. Interior renovations will include those required for the building to operate as a restaurant; which will include interior demolition (i.e., walls, fixtures, lighting, etc.) and installation of improvements including, but not limited to wall and floor treatments, lighting, fixtures, appliances, seating, etc. Exterior renovations to the building façade and entry ways is also proposed as part of the project. See enclosed floor plans for locations and layout of proposed kitchen and restroom facilities. Proposed sanitary sewer improvements will utilize an existing tap into the public sewer on the south side of the building within East Sycamore Street.

To estimate proposed W/S peak flow for the building, guidance provided in Section 73.17(b) of 25 Pa. Code was referenced. For the purpose of this calculation, 3 turnovers of the maximum patron seating capacity for a restaurant with toilet and kitchen wastes was assumed; additional flow for a restaurant with bars and cocktail lounge was also included. Using this criteria, Section 73.17(b) identifies a flow of 12 gallons per patron. Therefore, the W/S peak flow for the proposed condition is estimated to be 4,248 gpd. Regarding sanitary flow associated with HVAC condensate, based on size of the building and size of the HVAC units proposed for installation, it is estimated that HVAC condensate will have a negligible impact to the estimated peak flow.

Existing Wastewater Collection Facilities

Projects that propose use of existing municipal wastewater facilities must be consistent with the requirements of 25 Pa. Code, Chapter 94 relating to Municipal Wasteload Management. Therefore, a Chapter 94 Consistency Determination has been prepared as part of the Pennsylvania Department of Environmental Protection (PADEP) Sewage Facilities Planning Module (SFPM) Component 3 Form. Provided in SFPM Section J are the average and peak flow rate – determined through a combination of calculations and a flow monitoring study – for the design capacity, present flow, and 5-year projected flow of the most restrictive section of the existing collection system to which the project will discharge.

Peak and average flow rates used for the Chapter 94 Consistency Determination were determined in accordance with guidance provided in Section 4 of the PWSA Developer's Manual dated April 2020 and were determined as follows:

- The peak design capacity was calculated using the Manning Equation for a full-flow condition and existing characteristics of the most restrictive section; specifically, pipe diameter, material type, and slope. The existing characteristics were determined from information that was provided by the PWSA (see attached 131 Shiloh Street GIS Map and Most Limited Capacity Sewer (MLCS) Spreadsheet), which identified the most restrictive section as a 15" vitrified clay pipe with slope of 0.68% existing beneath Vinecliffe Street between manhole MH004G006 and junction JCT004F002. The peak design capacity for the most restrictive section was calculated to be 2,991,631 gpd.
- The average design capacity was calculated by dividing the peak design capacity by a peaking factor designated by the PWSA as 3.5 for a combined collection system. The average design capacity of the most restrictive section was calculated to be 854,752 gpd.
- The present peak flow and present average flow were determined based on a flow monitoring study performed at MH004G006 on the down slope end of the most restrictive section. PWSA requires that projects with flows greater than 2,000 gpd use the flow monitoring study method for determination of present flows at the most limited capacity sewer section. Drnach Environmental, Inc. – a professional flow monitoring company – was

retained for completion of the flow monitoring study. The study consisted of installation of a flow meter within MH004G006 to continuously measures flow characteristics including flow depth, flow velocity, and flow rate for a period of 30 days. Local rainfall data obtained from the Three Rivers Wet Weather Demonstration Program for the same 30-day period is also incorporated into study. The flow meter was installed, calibrated, operated, and maintained in accordance with protocols established by the PWSA and PADEP. The flow monitoring study began at 12:00 am on January 16, 2021 and ended at 12:00 am on February 15, 2021. Based on analysis of data obtained from the flow monitoring study, the present peak flow was determined to be 53,000 gpd; and the present average flow was determined to be 34,000 gpd.

- The 5-year projected peak flow was calculated by adding the project flow to the present peak flow and multiplying by a factor of 1.05 as designated by PWSA. The 5-year projected peak flow was calculated to be 60,215 gpd.
- The 5-year projected average flow was calculated by dividing the 5-year projected peak flow by the PWSA designated peaking factor of 3.5. The 5-year projected average flow was calculated to be 17,174 gpd.

Attachments

- Peak Water Use and Sewage Flow Estimates
- Peak Surface/Storm Flow Estimate
- Sanitary Sewer Flow Calculations
  - PWSA – 131 Shiloh Street GIS Map
  - PWSA – Most Limited Capacity Sewer (MLCS) Spreadsheet
  - Drnach Environmental – MH004G006 Daily Flow Monitoring Summary
  - Drnach Environmental – MH004G006 Daily Flow Monitoring Bar Chart
  - Drnach Environmental – MH004G006 Hourly Average Flows Graph

References

PWSA Developer's Manual, April 2020
Pennsylvania Code Title 25 § 73.17. Sewage flows

Project #: 212C-CF-00303

Subject: Gordo's Tacos Restaurant (Applicant: Stonehendge Partners LLC/Jacob Machel)
Peak Water Use and Sewage Flow Estimates

Date: June-2020 Revised (August-2020) **Sheet No.** 1 **of** 1

TETRA TECH
6715 Tippecanoe Road
Canfield, OH 44406
(330) 286-3683
Brian Chlebus, P.E.

Purpose:

Determine the estimated peak water and sewer (W/S) flow rate for the existing and proposed use of the project facility.

Calculations:

25 Pa. Code §73.17 Sewage flows.
The sewage flow, which shall exclude any industrial waste, for nonresidential establishments served by an individual or community sewage system shall be determined from the table provided in Section 73.17(b).

Type of Establishment (Commercial)	*Gallons/day (gpd)*
Apartments (2 bedroom)	300
Beauty Shop (per customer chair)	200
Restaurant (toilet and kitchen wastes per patron)	10
(Additional for bars and cocktail lounges)	2
HVAC Condensate from commercial facilities	*

**Applicant to provide flow estimates that will be discharged to a PWSA sewer*

Existing W/S Peak Flow Calculation

Assumptions:	First Floor	Barber Shop = Beauty Shop	1 customer chair
	First Floor	Tattoo Parlor = Beauty Shop	1 customer chair
	Second Floor	(2) Apartments	2 bedroom

(2 customer chairs x 200 gpd) + (2 apartments x 300 gpd) = 1,000 gpd

Note: the PWSA defines existing flow as the peak daily flow within the past five years. Therefore, since the structure has not been occupied within the past five years, the existing flow for the purpose of this calculation shall be 0 gpd.

Project W/S Peak Flow Calculations

Assumptions: Maximum seating (seats + bar stools) = 118
Number of turnovers per day = 3
Estimated HVAC unit condensate = negligible (≤ 3 gpd)

3 turnovers x 118 patrons x 12 gpd = 4,248 gpd

Conclusion:

The estimated peak W/S flow rate for the proposed restaurant facility is 4,248 gpd. Existing flow is not applicable to the calculation.

References:

Title 25 of the Pennsylvania Code, Chapter 73, Section 73.17 Sewage flow.
Pittsburgh Water and Sewer Authority. Developer's Manual. April 2020.

I hereby certify that the information provided is true, complete, and accurate to the best of my knowledge and belief.

Project #: 212C-CF-00303
Subject: Gordo's Tacos Restaurant (Applicant: Stonehendge Partners LLC/Jacob Machel)
Peak Surface/Storm Flow Estimate

Date: June-2020 **Sheet No.** 1 **of** 1

TETRA TECH
6715 Tippecanoe Road
Canfield, OH 44406
(330) 286-3683
Brian Chlebus, P.E.

Purpose:

Determine the estimated peak surface/storm flow rate for the existing and proposed condition of the project facility.

Calculations:

Per PWSA guidance, calculation of stormwater flow shall be based on the Rational Method using a 25-year storm event.

Rational Method Q = C I A

Q = maximum rate of runoff, cubic feet per second (cfs)
C = coefficient of runoff based on type(s) and character of surface *
I = average rainfall intensity, inches per hour (25-year storm) *
A = drainage area, acre (1 acre = 43,560 square feet)

** Obtained from Pennsylvania Department of Transportation Drainage Manual (Publication 584)*

C = 0.95 (building footprint; improved surface)
I = 4.48 in/hr
A = 2,569 sf = 1,350 sf building footprint + 1,219 sf improved surface

$$Q = 0.95 \times 4.48 \times (2,569 / 43,560) = 0.25 \text{ cfs}$$

Conclusion:

The estimated peak surface/storm flow rate for the facility for the both the existing and proposed condition during a 25-year storm event is 0.25 cfs.

References:

PennDOT Drainage Manual, Pub. 584, 7.5 Peak Discharge Using the Rational Method, March 2015.
PWSA Developers Manual, April 2020.

I hereby certify that the information provided is true, complete, and accurate to the best of my knowledge and belief.

Project #: 212C-CF-00303

Subject: Gordo's Tacos Restaurant (Applicant: Stonehendge Partners LLC/Jacob Machel)
Sanitary Sewer Flow Calculations

Date: March-2021 **Sheet No.** 1 **of** 2

TETRA TECH
6715 Tippecanoe Road
Canfield, OH 44406
(330) 286-3683
Brian Chlebus, P.E.

Purpose:

For completion of Section J of the PADEP Sewage Facilities Planning Module (SFPM), Component 3 Sewage Collection and Treatment Facilities Form (Form 3800-FM-BPNPSM0353 Rev. 2/2015), determine the following information using methods including calculations and/or analysis of flow monitoring data:

a. Average and peak sewage flows, as designed, for the most restrictive section of the existing collection system;
b. Average and peak sewage flows, of present, for the most restrictive section of the existing collection system;
c. Average and peak sewage flows, projected for 5 years, for the most restrictive section of the existing collection system; including the proposed project.

Based on data obtained from the PWSA, the most restrictive section of the existing system is a section of combined sewer located beneath Vinecliffe Street between manhole MH004G006 and junction JCT004G002; the section is a 15" diameter vitrified clay pipe (VCP) at 0.68% slope. See attached exhibits *131 Shiloh Street GIS Map* and *Most Limited Capacity Sewer (MLCS) Spreadsheet*.

Calculations:

a. *Per PWSA guidance, calculate peak design capacity using Manning Equation for full-flow conditions. Calculate average design capacity using peak design capacity divided by a peaking factor of 3.5 for a combined collection system.*

Peak Design Capacity

Manning Equation for Flow Rate (English units), $Q = (1.49 / n) \times A \times R^{(2/3)} \times S^{(1/2)}$

Q = flow rate, cfs
N = Manning's roughness coefficient = 0.015 (vitrified clay)
A = cross-sectional area, $ft^2 = (\pi \times d^2) / 4 = (\pi \times 1.25^2) / 4 = 1.23\ ft^2$
R = hydraulic radius, ft = A / P, where $P = \pi \times d$
$= 1.23 / \pi \times 1.25 = 0.313$ ft
S = slope, ft/ft = 0.0068 ft/ft

$Q_{PEAK} = (1.49 / 0.015) \times 1.227 \times 0.313^{(2/3)} \times 0.0068^{(1/2)} = 4.629$ cfs
$Q_{PEAK} = 4.63$ cfs x (7.48 gal / cf) x (86,400 sec / day) = 2,991,631 gpd

Average Design Capacity

Average Design Capacity $= Q_{PEAK} / 3.5$
$= 2{,}991{,}631$ gpd / 3.5 = 854,752 gpd

b. *Per PWSA guidance, average and peak present flow shall be determined though analysis of flow monitoring data.*

The following flow rates have been determined based on analysis of flow monitoring data obtained from a study of the most restrictive section of the existing collection system performed by Drnach Environmental, Inc. starting on January 16, 2021 and ending February 14, 2021. See attached flow monitoring data exhibits.

Present Average Flow = 0.034 mgd = 34,000 gpd
Present Peak Flow = 0.053 mgd = 53,000 gpd

I hereby certify that the information provided is true, complete, and accurate to the best of my knowledge and belief.

TETRA TECH
6715 Tippecanoe Road
Canfield, OH 44406
(330) 286-3683
Brian Chlebus, P.E.

c. *Per PWSA guidance, calculate projected peak flow in 5 years by adding the present peak flow and calculated project flow, and then multiplying by a factor of 1.05; calculated project flow =4,248 gpd. Calculate project average flow in 5 years by dividing the projected peak flow in 5 years by a peaking factor of 3.5 for a combined sewer system.*

Projected Peak Flow in 5 Years = (Present Peak Flow + Project Flow) x 1.05
= (53,000 gpd + 4,248 gpd) x 1.05
= 60,110 gpd

Projected Average Flow in 5 Years = Project Peak Flow in 5 Years / 3.5
= 60,100 gpd / 3.5
= 17,174 gpd

Conclusion:

The following information has been determined for completion of Section J of the SFPM Component 3 Form through calculations performed in accordance with PWSA guidance and/or analysis of flow monitoring data:

Design Average Flow	= 854,752 gpd	(calculation)
Design Peak Flow	= 2,991,631 gpd	(calculation)
Present Average Flow	= 34,000 gpd	(data analysis)
Present Peak Flow	= 53,000 gpd	(data analysis)
5-yr Projected Average Flow	= 17,174 gpd	(calculation)
5-yr Projected Peak Flow	= 60,215 gpd	(calculation)

Attachments:

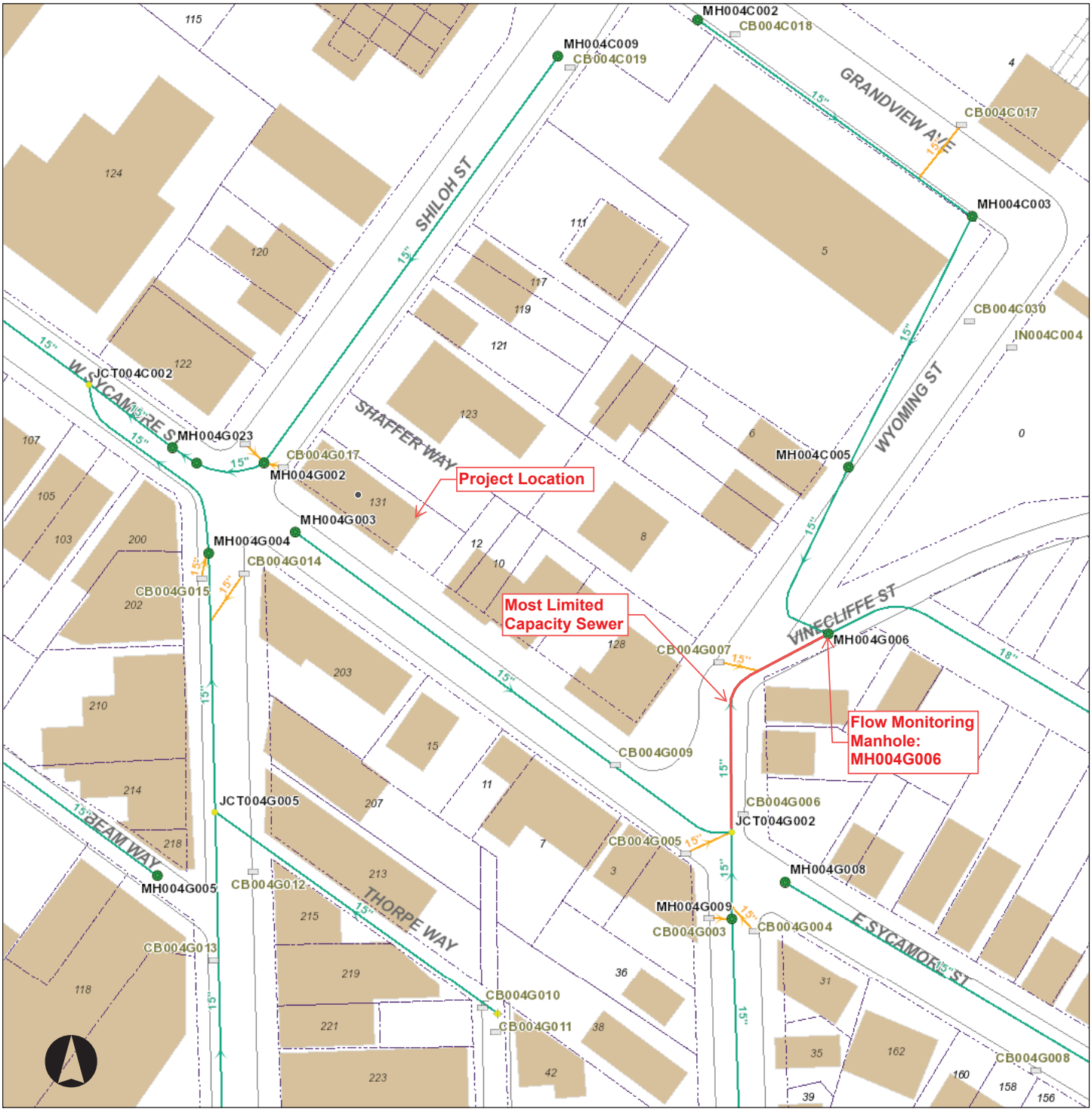
PWSA – 131 Shiloh Street GIS Map
PWSA – Most Limited Capacity Sewer (MLCS) Spreadsheet
Drnach Environmental, Inc. – MH004G006 Daily Flow Monitoring Summary
Drnach Environmental, Inc. – MH004G006 Daily Flow Monitoring Bar Chart
Drnach Environmental, Inc. – MH004G006 Hourly Average Flows Graph

References:

PWSA Developers Manual, April 2020.

I hereby certify that the information provided is true, complete, and accurate to the best of my knowledge and belief.

131 Shiloh Street GIS Map



Legend

		Pressure Monitoring Station	Private Inlet
	WATER	Water Manhole	Outfall
	Meter	Rising Main	End Cap
	Curb Box	Supply Main	Sewer Pump Station
	Water System Pump	Transmission Main	Combined Sewer
	Hydrant	Distribution Main	Sanitary Sewer
	System Valve	Hydrant Branch	Storm Sewer
	Dividing Pressure Valve	Private Main	Regulated Combined Sewer
	Coupling	Water Service Line	Overflow Sewer
	Tee		Interceptor
	Cross	**SEWER**	Sewer Force Main
	Reducer	Manhole	Private Sewer
	End Cap	Junction	Undefined Sewer
	Wash Out	Inlet	Green Infrastructure Underground Facilities

0 0.01 0.02 mi

Date: 8/28/2020

Most Limited Capacity Sewer (MLCS) Spreadsheet

PROJECT NAME:	131 Shiloh Street
PWSA PROJECT NUMBER:	20013.23
PWSA REVIEWER:	Shannon Connell
DATE:	August 28, 2020

LEGEND:

Output Data
Input Data
Questionable Data
Hydraulically Limited Sewer

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpd
MH004G003	JCT004G002	718.10	717.35	219.60	15	VCP	0.015	1.23	3.927	0.34%	2,120,304
JCT004G002	MH004G006	718.03	717.32	105.82	15	VCP	0.015	1.23	3.927	0.68%	2,982,311
MH004G006	MH004G016	718.00	717.30	385.43	18	VCP	0.015	1.77	4.712	0.18%	2,514,259
MH004G016	MH004G0022	717.98	717.29	263.29	18	VCP	0.015	1.77	4.712	0.26%	3,020,238
MH004G022	MH004H027	717.97	717.96	511.81	18	VCP	0.015	1.77	4.712	0.00%	260,783
MH004H027	MH004H017	717.96	717.28	511.81	18	VCP	0.015	1.77	4.712	0.13%	2,150,472
MH004H017	JCT004H006	717.28	716.94	148.66	24	VCP	0.015	3.14	6.283	0.23%	6,076,397
JCT004H006	RD004H001	716.94	716.77	82.97	42	Brick	0.016	9.62	10.996	0.20%	23,979,514
RD004H001	MH004H039	716.77	716.69	231.54	48	Brick	0.016	12.57	12.566	0.04%	14,491,659
MH004H039	MH004D001	716.69	716.60	18.52	48	Brick	0.016	12.57	12.566	0.49%	52,725,707
MH004D001	MH004H013	716.60	714.08	254.87	48	Brick	0.016	12.57	12.566	0.99%	75,207,744
MH004H013	MH004H014	714.08	711.62	82.49	48	Brick	0.016	12.57	12.566	2.98%	130,613,646
MH004H014	JCT004D004	711.62	710.98	69.18	48	Concrete	0.013	12.57	12.566	0.93%	89,536,062
JCT004D004	ADC004DM06	710.98	710.00	102.19	48	Concrete	0.013	12.57	12.566	0.96%	91,160,588

MH 004G006 January 16, 2021 through February 14, 2021

Line Size: 18 " 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)
01/16/2021	0.032	1:00 AM	0.021	2:00 PM	0.061	0.12
01/17/2021	0.029	5:00 PM	0.018	12:00 PM	0.057	0.00
01/18/2021	0.027	9:00 PM	0.020	7:00 PM	0.037	0.03
01/19/2021	0.029	7:00 PM	0.021	4:00 PM	0.039	0.00
01/20/2021	0.030	2:00 PM	0.022	7:00 PM	0.048	0.00
01/21/2021	0.031	3:00 AM	0.024	8:00 AM	0.041	0.00
01/22/2021	0.030	7:00 AM	0.022	1:00 PM	0.035	0.00
01/23/2021	0.031	6:00 AM	0.023	8:00 AM	0.038	0.00
01/24/2021	0.034	2:00 AM	0.025	3:00 PM	0.045	0.00
01/25/2021	0.035	4:00 AM	0.026	12:00 PM	0.069	0.00
01/26/2021	0.045	2:00 AM	0.023	6:00 AM	0.136	0.14
01/27/2021	0.034	10:00 AM	0.025	6:00 PM	0.050	0.00
01/28/2021	0.032	11:00 AM	0.024	8:00 PM	0.042	0.00
01/29/2021	0.031	8:00 AM	0.019	6:00 PM	0.041	0.00
01/30/2021	0.031	1:00 PM	0.025	7:00 PM	0.039	0.00
01/31/2021	0.031	5:00 PM	0.024	7:00 PM	0.040	0.10
02/01/2021	0.032	1:00 AM	0.024	4:00 PM	0.040	0.18
02/02/2021	0.032	9:00 AM	0.026	9:00 PM	0.040	0.01
02/03/2021	0.038	10:00 PM	0.026	5:00 PM	0.078	0.00
02/04/2021	0.034	9:00 PM	0.025	10:00 PM	0.062	0.00
02/05/2021	0.045	1:00 PM	0.030	3:00 AM	0.092	0.09
02/06/2021	0.032	7:00 AM	0.024	8:00 AM	0.043	0.00
02/07/2021	0.033	3:00 AM	0.024	10:00 PM	0.049	0.00
02/08/2021	0.032	6:00 AM	0.018	5:00 PM	0.041	0.00
02/09/2021	0.034	1:00 AM	0.024	4:00 PM	0.047	0.31
02/10/2021	0.041	1:00 AM	0.024	10:00 AM	0.059	0.03
02/11/2021	0.044	1:00 PM	0.027	8:00 AM	0.064	0.00
02/12/2021	0.037	2:00 AM	0.028	8:00 AM	0.054	0.00
02/13/2021	0.037	3:00 PM	0.028	8:00 PM	0.051	0.00
02/14/2021	0.037	4:00 AM	0.022	11:00 AM	0.056	0.00

Average	0.034	0.024	0.053
Minimum	0.027	0.018	0.035
Maximum	0.045	0.030	0.136

1.01 Total

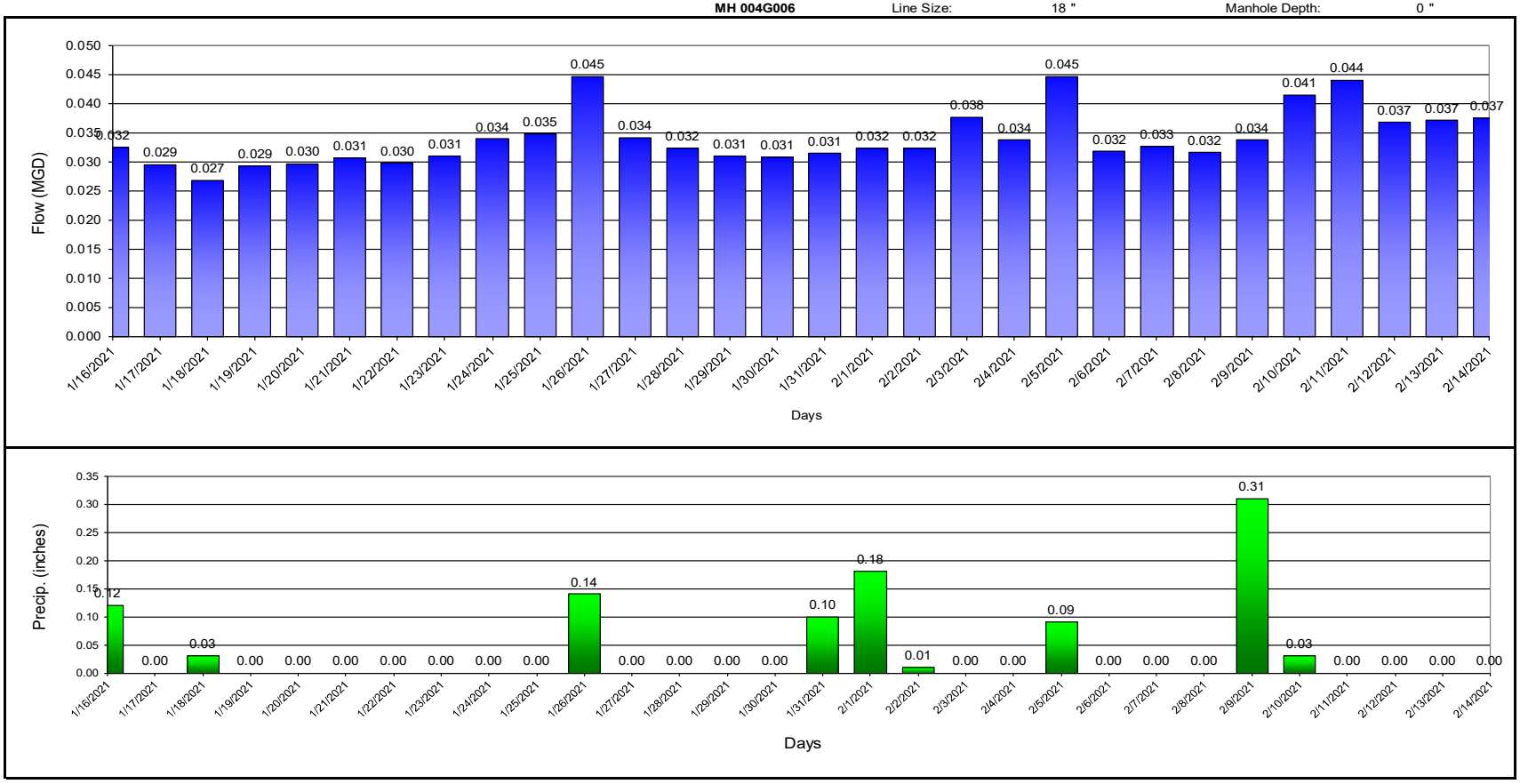
Total Flow 1.018 MG

DRNACH ENVIRONMENTAL, INC. **MH 004G006** January 16, 2021 through February 14, 2021

Date:	01/16/2021	01/17/2021	01/18/2021	01/19/2021	01/20/2021	01/21/2021	01/22/2021	01/23/2021	01/24/2021	01/25/2021	01/26/2021	01/27/2021	01/28/2021	01/29/2021	01/30/2021	01/31/2021
Flow:	0.032	0.029	0.027	0.029	0.030	0.031	0.030	0.031	0.034	0.035	0.045	0.034	0.032	0.031	0.031	0.031
Precip.:	0.12	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.10

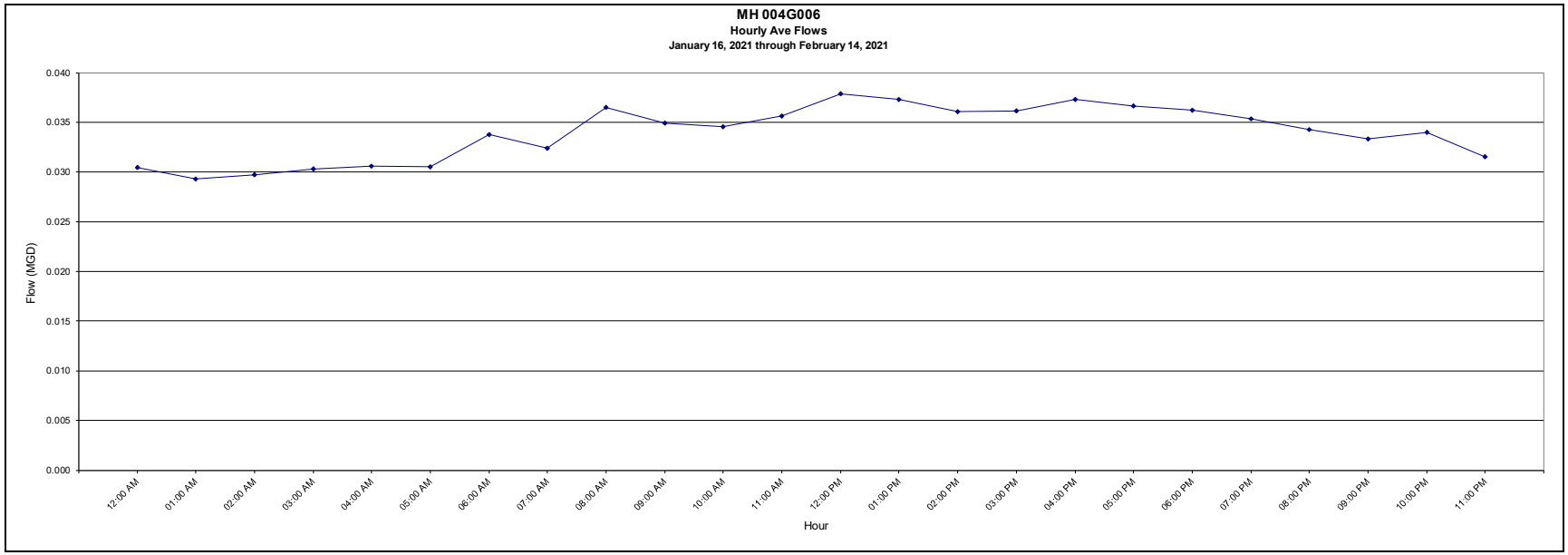
Date:	02/01/2021	02/02/2021	02/03/2021	02/04/2021	02/05/2021	02/06/2021	02/07/2021	02/08/2021	02/09/2021	02/10/2021	02/11/2021	02/12/2021	02/13/2021	02/14/2021
Flow:	0.032	0.032	0.038	0.034	0.045	0.032	0.033	0.032	0.034	0.041	0.044	0.037	0.037	0.037
Precip.:	0.18	0.01	0.00	0.00	0.09	0.00	0.00	0.00	0.31	0.03	0.00	0.00	0.00	0.00

MH 004G006 Line Size: 18 " Manhole Depth: 0 "



Average Hourly Flow January 16, 2021 through February 14, 2021

2021	01/16	01/17	01/18	01/19	01/20	01/21	01/22	01/23	01/24	01/25	01/26	01/27	01/28	01/29	01/30	01/31	02/01	02/02	02/03	02/04	02/05	02/06	02/07	02/08	02/09	02/10	02/11	02/12	02/13	02/14	Average
12:00 AM	0.022	0.022	0.035	0.024	0.023	0.030	0.032	0.032	0.026	0.032	0.030	0.031	0.032	0.030	0.031	0.031	0.035	0.028	0.027	0.029	0.052	0.027	0.024	0.024	0.026	0.036	0.044	0.035	0.033	0.031	0.030
01:00 AM	0.021	0.025	0.029	0.025	0.024	0.026	0.024	0.032	0.029	0.028	0.027	0.030	0.031	0.029	0.035	0.035	0.024	0.030	0.038	0.028	0.043	0.028	0.029	0.022	0.024	0.024	0.039	0.030	0.035	0.034	0.029
02:00 AM	0.022	0.020	0.026	0.022	0.026	0.028	0.027	0.028	0.025	0.032	0.023	0.028	0.033	0.025	0.031	0.032	0.031	0.028	0.032	0.028	0.071	0.029	0.024	0.029	0.025	0.027	0.050	0.028	0.030	0.033	0.030
03:00 AM	0.025	0.021	0.023	0.026	0.024	0.024	0.028	0.026	0.029	0.027	0.029	0.029	0.029	0.030	0.027	0.031	0.028	0.032	0.029	0.025	0.092	0.027	0.024	0.030	0.028	0.026	0.046	0.030	0.031	0.034	0.030
04:00 AM	0.025	0.024	0.025	0.025	0.026	0.027	0.028	0.027	0.029	0.026	0.032	0.035	0.031	0.028	0.028	0.030	0.029	0.033	0.034	0.025	0.084	0.028	0.024	0.026	0.027	0.029	0.044	0.033	0.035	0.022	0.031
05:00 AM	0.023	0.027	0.022	0.026	0.027	0.024	0.026	0.029	0.029	0.030	0.030	0.031	0.030	0.027	0.034	0.031	0.034	0.033	0.030	0.031	0.061	0.025	0.025	0.028	0.026	0.033	0.049	0.029	0.036	0.031	0.031
06:00 AM	0.029	0.028	0.025	0.035	0.027	0.027	0.028	0.023	0.027	0.028	0.136	0.027	0.037	0.031	0.030	0.033	0.034	0.031	0.031	0.028	0.042	0.026	0.025	0.018	0.036	0.031	0.044	0.037	0.032	0.027	0.034
07:00 AM	0.028	0.028	0.032	0.033	0.026	0.031	0.022	0.030	0.033	0.029	0.082	0.029	0.030	0.034	0.030	0.031	0.028	0.030	0.037	0.028	0.033	0.024	0.028	0.024	0.027	0.033	0.057	0.032	0.034	0.032	0.032
08:00 AM	0.026	0.033	0.027	0.033	0.041	0.041	0.035	0.038	0.031	0.030	0.057	0.034	0.038	0.019	0.030	0.030	0.034	0.034	0.038	0.031	0.044	0.043	0.029	0.039	0.030	0.035	0.064	0.054	0.041	0.038	0.037
09:00 AM	0.039	0.031	0.030	0.030	0.029	0.035	0.034	0.028	0.038	0.033	0.055	0.036	0.033	0.027	0.031	0.029	0.029	0.026	0.026	0.037	0.034	0.036	0.035	0.039	0.038	0.038	0.046	0.046	0.040	0.041	0.035
10:00 AM	0.023	0.036	0.022	0.035	0.036	0.026	0.030	0.026	0.036	0.035	0.045	0.025	0.031	0.030	0.030	0.032	0.034	0.035	0.034	0.027	0.043	0.030	0.034	0.025	0.039	0.059	0.044	0.042	0.049	0.040	0.035
11:00 AM	0.029	0.048	0.030	0.026	0.027	0.034	0.028	0.030	0.042	0.037	0.057	0.037	0.024	0.028	0.031	0.031	0.036	0.032	0.027	0.029	0.049	0.029	0.037	0.041	0.032	0.036	0.053	0.030	0.043	0.056	0.036
12:00 PM	0.053	0.057	0.022	0.029	0.027	0.034	0.033	0.034	0.037	0.069	0.046	0.036	0.032	0.033	0.026	0.030	0.030	0.030	0.044	0.029	0.035	0.036	0.044	0.035	0.037	0.039	0.057	0.037	0.039	0.046	0.038
01:00 PM	0.052	0.052	0.029	0.039	0.031	0.034	0.035	0.031	0.039	0.061	0.035	0.036	0.034	0.032	0.025	0.039	0.035	0.037	0.036	0.049	0.030	0.040	0.034	0.028	0.037	0.037	0.027	0.033	0.040	0.052	0.037
02:00 PM	0.061	0.027	0.028	0.030	0.022	0.029	0.029	0.033	0.043	0.036	0.035	0.044	0.033	0.034	0.030	0.026	0.035	0.030	0.053	0.036	0.033	0.040	0.037	0.039	0.042	0.040	0.034	0.039	0.051	0.033	0.036
03:00 PM	0.060	0.038	0.021	0.030	0.028	0.026	0.023	0.035	0.045	0.034	0.035	0.042	0.032	0.037	0.034	0.030	0.040	0.035	0.042	0.040	0.040	0.035	0.036	0.037	0.042	0.052	0.039	0.036	0.028	0.035	0.036
04:00 PM	0.040	0.036	0.025	0.039	0.028	0.035	0.027	0.033	0.038	0.029	0.038	0.032	0.037	0.034	0.033	0.037	0.040	0.036	0.052	0.048	0.036	0.039	0.042	0.037	0.047	0.055	0.049	0.028	0.031	0.035	0.037
05:00 PM	0.034	0.018	0.027	0.034	0.040	0.035	0.033	0.036	0.033	0.029	0.045	0.040	0.031	0.033	0.033	0.024	0.030	0.032	0.078	0.036	0.048	0.026	0.035	0.041	0.034	0.046	0.041	0.038	0.034	0.053	0.037
06:00 PM	0.031	0.027	0.034	0.038	0.041	0.029	0.034	0.029	0.040	0.043	0.038	0.050	0.029	0.041	0.029	0.028	0.026	0.035	0.037	0.033	0.031	0.035	0.039	0.033	0.028	0.055	0.047	0.044	0.038	0.044	0.036
07:00 PM	0.022	0.032	0.037	0.021	0.048	0.029	0.035	0.036	0.028	0.032	0.047	0.038	0.029	0.032	0.039	0.040	0.037	0.029	0.045	0.033	0.030	0.028	0.025	0.029	0.040	0.056	0.035	0.047	0.041	0.040	0.035
08:00 PM	0.023	0.021	0.030	0.023	0.027	0.031	0.025	0.035	0.037	0.041	0.040	0.030	0.042	0.032	0.032	0.033	0.026	0.035	0.036	0.029	0.045	0.031	0.035	0.034	0.040	0.056	0.041	0.031	0.051	0.039	0.034
09:00 PM	0.035	0.019	0.020	0.024	0.033	0.039	0.032	0.036	0.034	0.028	0.038	0.036	0.037	0.034	0.030	0.030	0.037	0.040	0.038	0.025	0.033	0.029	0.030	0.027	0.040	0.059	0.030	0.040	0.036	0.032	0.033
10:00 PM	0.030	0.019	0.022	0.036	0.029	0.029	0.034	0.032	0.033	0.035	0.036	0.032	0.030	0.026	0.029	0.031	0.030	0.030	0.026	0.062	0.031	0.037	0.049	0.035	0.031	0.051	0.038	0.040	0.033	0.042	0.034
11:00 PM	0.028	0.020	0.022	0.022	0.022	0.031	0.031	0.025	0.032	0.032	0.035	0.030	0.030	0.037	0.031	0.030	0.032	0.033	0.030	0.043	0.032	0.033	0.036	0.037	0.033	0.042	0.036	0.040	0.029	0.031	0.032
AVG.	0.032	0.029	0.027	0.029	0.030	0.031	0.030	0.031	0.034	0.035	0.045	0.034	0.032	0.031	0.031	0.031	0.032	0.032	0.038	0.034	0.045	0.032	0.033	0.032	0.034	0.041	0.044	0.037	0.037	0.037	**0.034**
Precip. :	0.12	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.10	0.18	0.01	0.00	0.00	0.09	0.00	0.00	0.00	0.31	0.03	0.00	0.00	0.00	0.00	



APPENDIX C
PWSA CORRESPONDENCE

Item 1. Water and Sewer Availability Letter

Item 2. Tap Allocation Authorization Letter

Item 3. Water and Sewer (W/S) Use Approval Letter

Item 4. SFPM Approval for Collection System

Item 5. SFPM Chapter 94 Consistency Determination

ITEM 1

PWSA Water and Sewer Availability Letter

Pittsburgh Water & Sewer Authority

June 25, 2020

Brian Chlebus, P.E.
Tetra Tech, Inc.
6715 Tippecanoe Road, Suite C201
Canfield, OH 44406

RE: Water and Sewer Availability
131 Shiloh Street

Dear Mr. Chlebus:

In response to your inquiry concerning water and sewer availability for the area referenced above, please be advised that both water and sewers are available near the site, and water and sewer service will be provided in accordance with the policies and procedures of the Pittsburgh Water and Sewer Authority.

We wish to advise you that, if it is your desire to tap our water and sewer mains for service, your plans and Water and Sewer Use Application must be approved by the Authority, complete with detail showing the type of connection, meter, and backflow device before any work is performed.

Please note that the Authority in no way guarantees that the available lines have the capacity or pressure adequate for your project's needs. It is the responsibility of the project developer, design consultant, and/or architects to determine, at their expense, the adequacy of the existing water system to fulfill their needs.

If you plan to make modifications to the water or sewer system, please submit design drawings to The Pittsburgh Water and Sewer Authority for approval.

Refer to the Pittsburgh Water and Sewer Authority (PWSA) website (www.pgh2o.com) for the complete "Procedure Manual for Developers". All tap in plans and applications must be submitted according to the manual.

If you have any questions, please feel free to contact me at (412) 255-8800 x 8030. Thank you.

Sincerely,

Wendy M. Dean

Wendy M. Dean
Engineering Tech II

cc: PWSA File

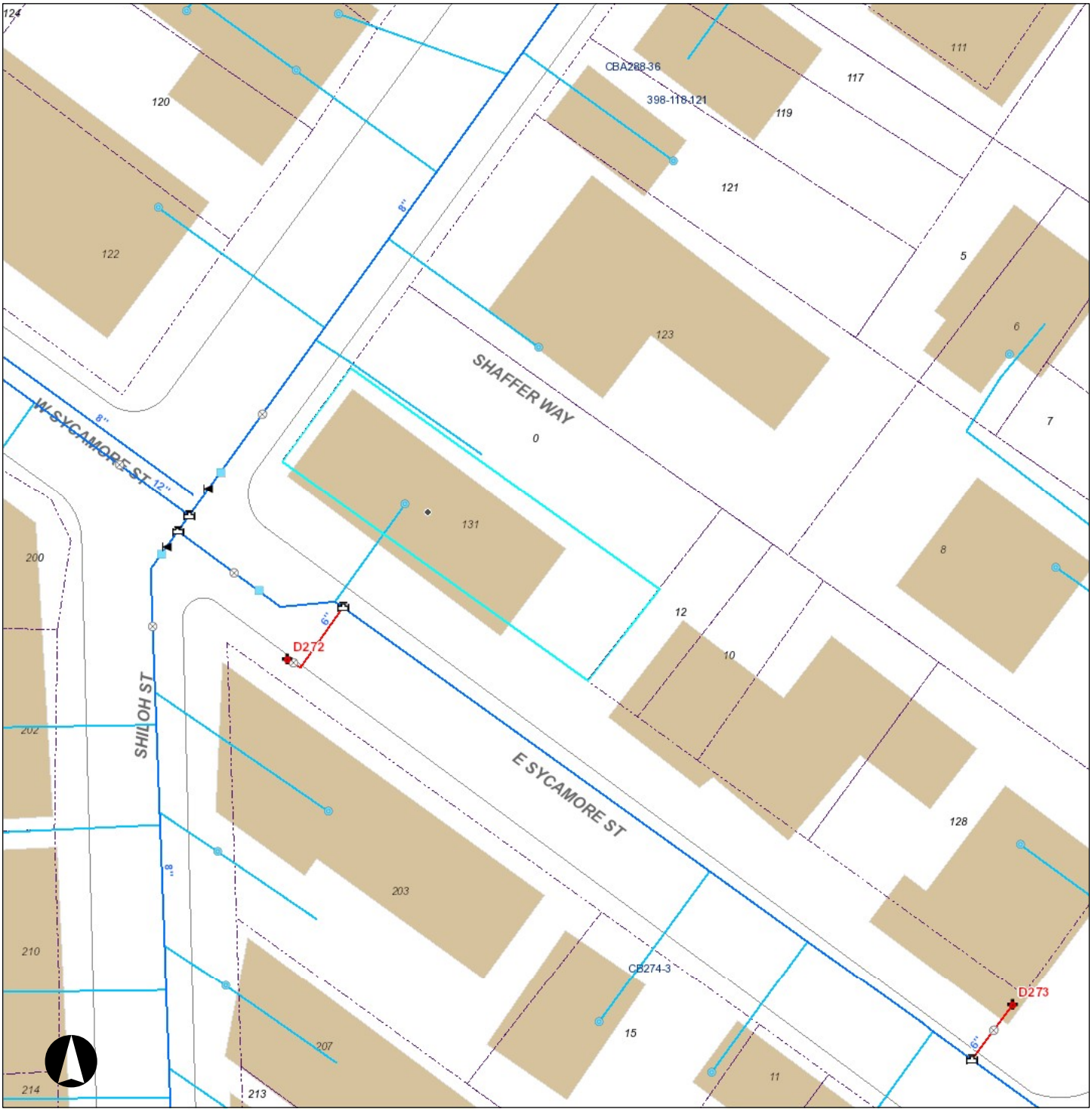
Penn Liberty Plaza I
1200 Penn Avenue
Pittsburgh PA 15222

info@pgh2o.com
T 412.255.2423
F 412.255.2475

www.pgh2o.com
@pgh2o

Customer Service /
Emergencies:
412.255.2423

131 Shiloh Street - Water



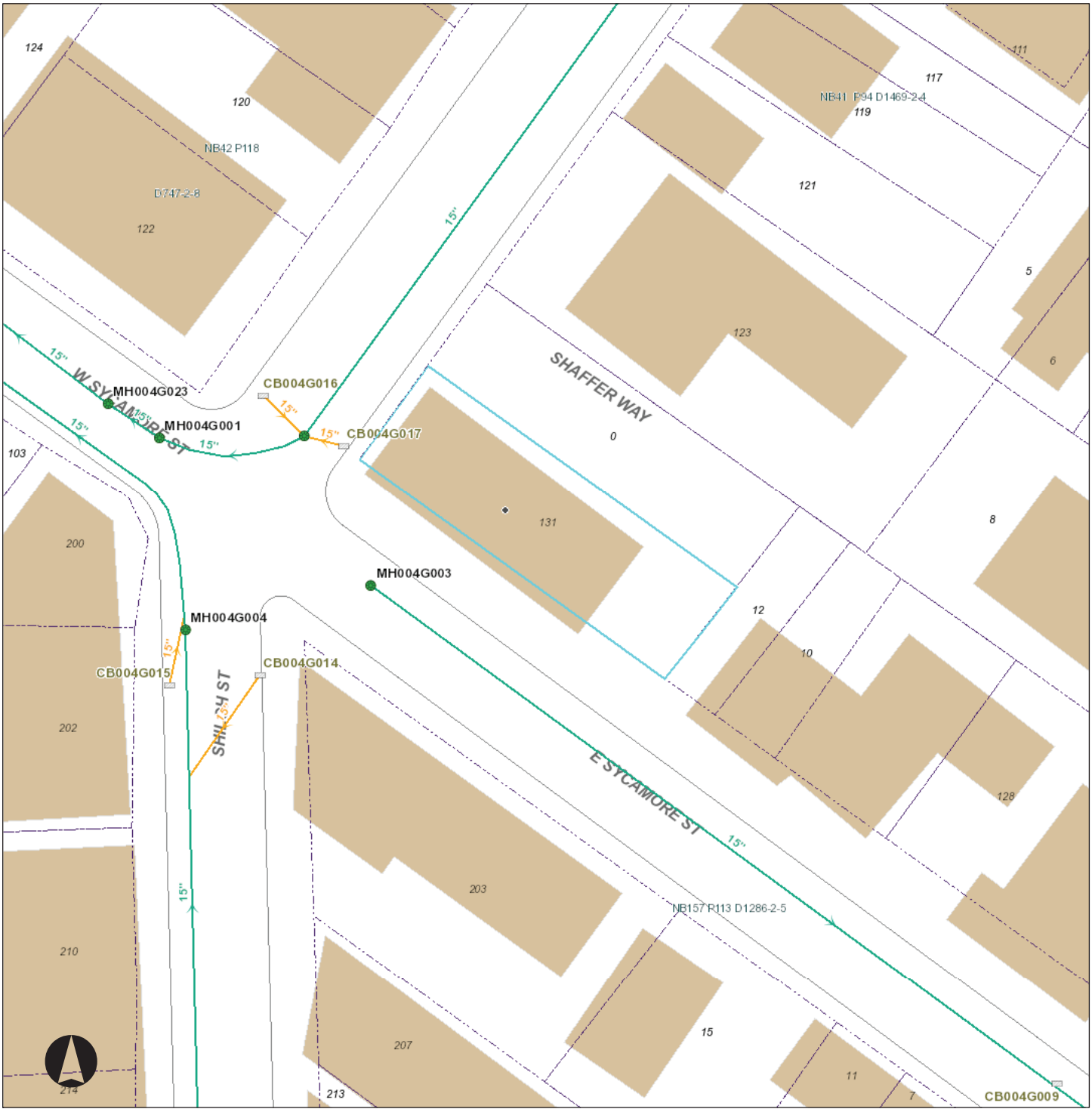
Legend

	WATER	
Meter	Rising Main	End Cap
Curb Box	Supply Main	Sewer Pump Station
Water System Pump	Transmission Main	Combined Sewer
Hydrant	Distribution Main	Sanitary Sewer
System Valve	Hydrant Branch	Storm Sewer
Dividing Pressure Valve	Private Main	Regulated Combined Sewer
Coupling	Water Service Line	Overflow Sewer
Tee		Interceptor
Cross	**SEWER**	Sewer Force Main
Reducer	Manhole	Private Sewer
End Cap	Junction	Undefined Sewer
Wash Out	Inlet	Green Infrastructure Underground Facilities
Pressure Monitoring Station	Private Inlet	
Water Manhole	Outfall	

0 0.005 0.01 mi

Date: 6/25/2020

131 Shiloh Street - Sewer



Legend

	Pressure Monitoring Station	Private Inlet
WATER	Water Manhole	Outfall
Meter	Rising Main	End Cap
Curb Box	Supply Main	Sewer Pump Station
Water System Pump	Transmission Main	Combined Sewer
Hydrant	Distribution Main	Sanitary Sewer
System Valve	Hydrant Branch	Storm Sewer
Dividing Pressure Valve	Private Main	Regulated Combined Sewer
Coupling	Water Service Line	Overflow Sewer
Tee		Interceptor
Cross	**SEWER**	Sewer Force Main
Reducer	Manhole	Private Sewer
End Cap	Junction	Undefined Sewer
Wash Out	Inlet	Green Infrastructure Underground Facilities

0 0.005 0.01 mi

Date: 6/25/2020

ITEM 2

PWSA Tap Allocation Authorization Letter

PGH2O Pittsburgh Water & Sewer Authority

September 4, 2020

Mr. Thomas Flanagan
PA Department of Environmental Protection
Clean Water Program
400 Waterfront Drive
Pittsburgh, PA 15222

Subject: Tap Allocation Authorization Letter

Dear Mr. Flanagan:

Please be advised that the Pittsburgh Water and Sewer Authority (PWSA) authorizes the tap allocations associated with the following Project:

Project Name:	131 Shiloh Street
Project Address:	131 Shiloh Street Pittsburgh, PA 15211
Net Flow, gpd:	4,248
EDU's, 400gpd/EDU:	10.62

Our review is 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 x5523 or SConnell@pgh2o.com.

Sincerely,

Shannon Connell
Engineering Co-Op

cc: Barry King, P.E. – PWSA (via email)
Kate Mechler, P.E. – PWSA (via email)
Robert Herring, P.E. – PWSA (via email)
Tetra Tech, Inc. – Applicant (via email)
Regis Ryan – DEP (via email)
eBuilder – Filing System (via email)

ITEM 3

PWSA Water and Sewer (W/S) Use Approval Letter

Pittsburgh Water & Sewer Authority

September 4, 2020

Mr. Brian Chlebus, P.E.
Tetra Tech, Inc.
6715 Tippecanoe Road, Suite C201
Canfield, OH 44406

Subject: Water and Sewer (W/S) Use Approval
Project Name: 131 Shiloh Street
PWSA Project No.: 20013.23

Dear Mr. Chlebus,

Pursuant to your request, we have reviewed the W/S Use Application (Application) for the aforementioned Project. This letter shall serve as confirmation that the Application has been approved. Please see below for the approved flows:

Type of Flow	Sanitary, gpd	Water, gpd	Storm, cfs
Project Flow	4,248	4,248	0.25
Existing Flow	0	0	0.25
Net Flow	4,248	4,248	

Please be advised that the need for sewage planning shall be determined by the Department of Environmental Protection (DEP). After issuance of this letter, the PWSA shall email the Preliminary Determination on the Need for Sewage Planning Letter to the DEP. Typically, the DEP will respond via email with the Final Determination on the Need for Sewage Planning. In the event that sewage planning is required, we have enclosed for your use the location of the most limited capacity sewer.

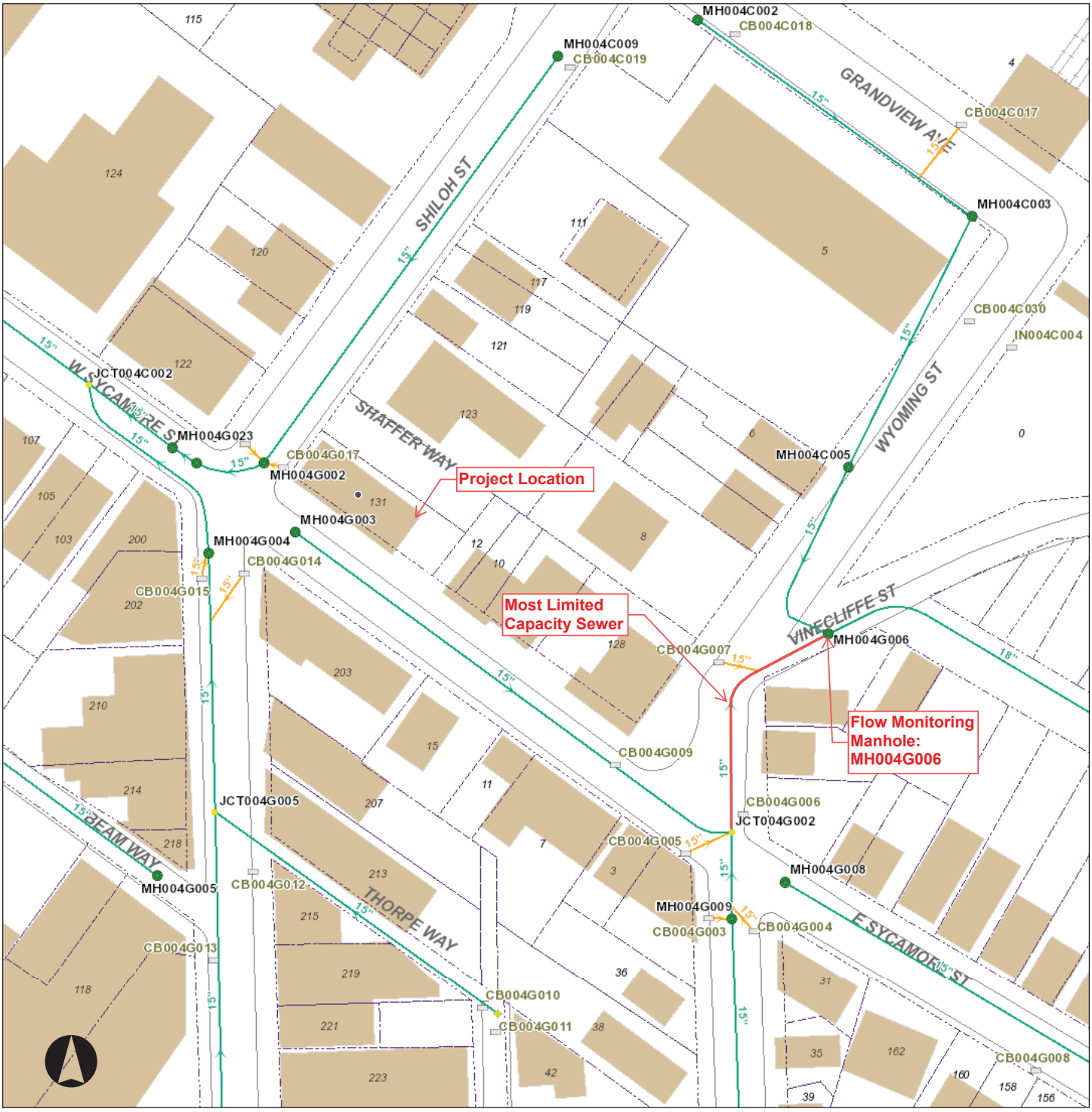
Our review was based on information provided by the Applicant under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at 412-255-8800 x5523 or SConnell@pgh2o.com.

Sincerely,

Shannon Connell
Engineering Co-Op

Enclosure(s)
cc: Barry King, P.E. – PWSA (via email)
Kate Mechler, P.E. – PWSA (via email)
Robert Herring, P.E. – PWSA (via email)
eBuilder – Filing System (via email)

131 Shiloh Street GIS Map



Legend

		Pressure Monitoring Station	Private Inlet
	WATER	Water Manhole	Outfall
	Meter	Rising Main	End Cap
	Curb Box	Supply Main	Sewer Pump Station
	Water System Pump	Transmission Main	Combined Sewer
	Hydrant	Distribution Main	Sanitary Sewer
	System Valve	Hydrant Branch	Storm Sewer
	Dividing Pressure Valve	Private Main	Regulated Combined Sewer
	Coupling	Water Service Line	Overflow Sewer
	Tee		Interceptor
	Cross	**SEWER**	Sewer Force Main
	Reducer	Manhole	Private Sewer
	End Cap	Junction	Undefined Sewer
	Wash Out	Inlet	Green Infrastructure Underground Facilities

0 0.01 0.02 mi

Date: 8/28/2020

Most Limited Capacity Sewer (MLCS) Spreadsheet

PROJECT NAME:	131 Shiloh Street
PWSA PROJECT NUMBER:	20013.23
PWSA REVIEWER:	Shannon Connell
DATE:	August 28, 2020

LEGEND:

Output Data
Input Data
Questionable Data
Hydraulically Limited Sewer

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpd
MH004G003	JCT004G002	718.10	717.35	219.60	15	VCP	0.015	1.23	3.927	0.34%	2,120,304
JCT004G002	MH004G006	718.03	717.32	105.82	15	VCP	0.015	1.23	3.927	0.68%	2,982,311
MH004G006	MH004G016	718.00	717.30	385.43	18	VCP	0.015	1.77	4.712	0.18%	2,514,259
MH004G016	MH004G0022	717.98	717.29	263.29	18	VCP	0.015	1.77	4.712	0.26%	3,020,238
MH004G022	MH004H027	717.97	717.96	511.81	18	VCP	0.015	1.77	4.712	0.00%	260,783
MH004H027	MH004H017	717.96	717.28	511.81	18	VCP	0.015	1.77	4.712	0.13%	2,150,472
MH004H017	JCT004H006	717.28	716.94	148.66	24	VCP	0.015	3.14	6.283	0.23%	6,076,397
JCT004H006	RD004H001	716.94	716.77	82.97	42	Brick	0.016	9.62	10.996	0.20%	23,979,514
RD004H001	MH004H039	716.77	716.69	231.54	48	Brick	0.016	12.57	12.566	0.04%	14,491,659
MH004H039	MH004D001	716.69	716.60	18.52	48	Brick	0.016	12.57	12.566	0.49%	52,725,707
MH004D001	MH004H013	716.60	714.08	254.87	48	Brick	0.016	12.57	12.566	0.99%	75,207,744
MH004H013	MH004H014	714.08	711.62	82.49	48	Brick	0.016	12.57	12.566	2.98%	130,613,646
MH004H014	JCT004D004	711.62	710.98	69.18	48	Concrete	0.013	12.57	12.566	0.93%	89,536,062
JCT004D004	ADC004DM06	710.98	710.00	102.19	48	Concrete	0.013	12.57	12.566	0.96%	91,160,588

ITEM 4

PWSA SFPM Approval for Collection System

Pittsburgh Water & Sewer Authority

March 18, 2021

Brian Chlebus, P.E.
Tetra Tech
6715 Tippercanoe Road, Suite C201
Canfield, OH 44406

Subject: Sewage Facilities Planning Module (SFPM)
Approval for Collection System Flows
Project Name: 131 Shiloh Street (Project)
PWSA Project No.: 20013.23

Dear Brian,

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 x5523 or SConnell@pgh2o.com.

Sincerely,

Shannon Connell
Engineering Co-Op

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)

ITEM 5

PWSA SFPM Chapter 94 Consistency Determination

PGH2O Pittsburgh Water & Sewer Authority

MEMO

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

From: Shannon Connell

Date: March 15, 2021

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

Chapter 94 Consistency Determination

Project Name: 131 Shiloh Street (Project)

Project Address: 131 Shiloh Street, Pittsburgh, PA 15211

PWSA Project Number: 20013.23

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,

Shannon Connell

Shannon Connell
Engineering Co-Op

Enclosures

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

Penn Liberty Plaza I
1200 Penn Avenue
Pittsburgh PA 15222

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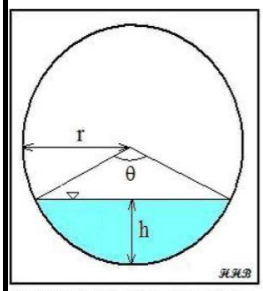
Customer Service /
Emergencies:
412.255.2423

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

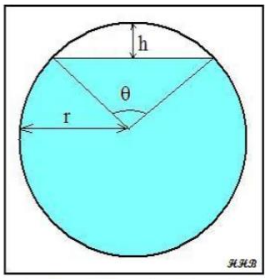
PROJECT NAME:	131 Shiloh Street
PWSA PROJECT NUMBER:	20013.23
PWSA REVIEWER:	Shannon Connell
DATE:	March 15, 2021

LEGEND: Input Data | Output Data

Section A: Manning Equation for Partially Filled Pipes



Partially Full Pipe Flow Parameters (Less Than Half Full)



Partially Full Pipe Flow Parameters (More Than Half Full)

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

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

$$A_{<50\%\ Full} = \frac{r^2(\Theta - \sin\Theta)}{2} \qquad P_{<50\%\ Full} = r \times \Theta$$

OR

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

Section B: Data for Calculations

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

Proposed Project Flows		
Variable	Value	Units
Q_p	4,248	gpd

Variable	*Value*	*Units*
Material	VCP	
n	0.015	unitless
S	0.007	ft/ft
h	1.250	ft
D	1.25	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
$Q_{d, avg}$	854,811	gpd

Design Capacity, Peak		
Variable	Value	Unit
D	1.250	ft
r	0.625	ft
A	1.227	ft^2
P	3.927	ft
R	0.313	ft
$Q_{d, peak}$	5	cfs
$Q_{d, peak}$	2,991,839	gpd

Section D: Calculations for Present Flows

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

Present Flows, Average		
Variable	Value	Unit
$Q_{ex, avg}$	34,000	gpd

Present Flows, Peak		
Variable	Value	Unit
$Q_{ex, peak}$	53,000	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
$Q_{proj, avg}$	17,174	gpd
$Q_{proj, peak}$	60,110	gpd

Section F: Compare Results with Applicant's Submission

Variable	PWSA, gpd	Applicant, gpd	Difference, gpd	Difference, %
$Q_{d, avg}$	854,811	854,752	59	0%
$Q_{d, peak}$	2,991,839	2,991,631	208	0%
$Q_{ex, avg}$	34,000	34,000	0	0%
$Q_{ex, peak}$	53,000	53,000	0	0%
$Q_{proj, avg}$	17,174	17,174	0	0%
$Q_{proj, peak}$	60,110	60,215	-105	0%

APPENDIX D
ALTERNATIVE ANALYSIS NARRATIVE

GORDO'S TACOS RESTAURANT
131 SHILOH STREET – MT. WASHINGTON
CITY OF PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA

ALTERNATIVE ANALYSIS NARRATIVE

This Alternative Analysis Narrative is part of a Sewage Facilities Planning Module (SFPM) prepared on behalf of Stonehedge Partners, LLC (contact: Mr. Jacob Machel). The Project is located in Mt. Washington at 131 Shiloh Street, Pittsburgh, Pennsylvania, 15211. The Project proposes sanitary sewer improvements which will utilize an existing tap into the existing public sewer owned, operated and maintained by PWSA. The public sewer ultimately discharges to the Woods Run Waste Water Treatment Plant (WWTP) owned, operated and maintained by the Allegheny County Sanitary Authority (ALCOSAN). The water and sewer (W/S) peak flow for the Project is estimated to be 4,248 GPD; or 10.62 equivalent dwelling units (EDU) where 1 EDU = 400 GPD.

This Alternative Analysis has been prepared in accordance with guidance provided in Section H of *Instructions for Completing Component 3 Sewage Collection and Treatment Facilities* (PADEP Form 3800-FM-BPNPSM0353, Rev. 2/2015).

1. *Describe the chosen disposal method, it's location, the daily flow proposed and if the method is an interim method (to be replaced by the ultimate method in 5 years or less), or is an ultimate method (to serve the development in the long term, for 5 years or more). Provide a description of how the chosen method will provide compliance with effluent limitations. Also provide the number of lots or EDU's that will be served.*

   RE: The sewage disposal method chosen for the Project is public sewer, which is intended to be the ultimate method of disposal. One lot will be served for the Project with an estimated 4,248 gpd flow rate, which is equivalent to 10.62 EDU. The public sewage conveyance facilities and treatment facilities are owned, operated, and maintained by PWSA and ALCOSAN. Utilization of these facilities ensures adequate long-term sewage disposal capacity and compliance with water quality standards and effluent limitations.

2. *Describe the types of land uses adjacent to the project area (agricultural, residential, commercial, etc.) and the type of sewage disposal method serving each of those land uses. Properties adjacent to the project must be described by indicating present land uses and zoning designations. Describe the sewage disposal methods being used for each of those adjacent land uses (onlot, municipal treatment, etc.) and if those methods are intended for interim or ultimate use.*

RE: The type of land use for parcels adjacent to the Project area include residential and commercial uses and the existing sewage disposal method is public sewer. The sewage disposal method for the adjacent parcels are all ultimate use. The zoning designation for the Project area and adjacent parcels to the north, south, and west is Local Neighborhood Commercial (LNC); zoning designation for parcels to the east is Two-Unit Residential High Density (R2-H).

3. *Indicate if the sewage facilities described in (2) are in need of improvement due to noncompliance with effluent limitations, high rates of onlot malfunctions or overloaded public sewers. Is there a potential for a combined public/private project?*

RE: There are no known sewage facilities on adjacent properties in need of improvements due to noncompliance. A combined public/private facilitates are not applicable to the Project.

If any of the sewage facilities described above are in need of improvement in order to attain or maintain compliance with effluent limitations (including Nitrogen and Phosphorus cap loads, where appropriate), overloaded treatment facilities or high onlot malfunction rates, a combined sewage disposal alternative that proposes to upgrade or construct facilities to serve these needs areas as well as the proposed project area may be more viable than a method intended to serve only the current project.

RE: There are no known sewage facilities on adjacent properties in need of improvements. Combined sewage disposal alternatives are not appliable to the Project.

4. *Determine and indicate what sewage disposal method is proposed for the development area in the municipality's Official Sewage Facilities Plan (such as: onlot disposal system, public sewers, etc.).*

RE: The sewage disposal method proposed for the project is public sewer.

5. *Describe any existing sewage management program(s) in the area, and/or any sewage management program(s) that this project would be required to participate in, and the program's requirements.*

RE: There are no known existing sewage management program(s) in the Project area. Participation in a sewage management program is not applicable to the Project.

When the alternatives analysis includes the potential construction of DEP-permitted non-municipal sewage treatment facilities, the municipality is required to implement a sewage management program that must include on of the management options outlined in Title 25, Pennsylvania Code, 71.72. These options range from financial assurances to municipal ownership of the facility. Describe which option will be proposed, how it will be implemented, and why it was chosen over the other methods outlined in 71.72. Details of the chose option must be included.

RE: Non-municipal sewage treatment facilities are not proposed as part of the Project.

Any new or expanded point source discharges which are proposed in the Chesapeake Bay watershed, must not add to amount of nutrients discharging to the Bay waters. This is known as a nutrient cap load. Maintaining the cap load for new sources can be accomplished through such methods as land application of effluent, recycle and reuse, acquiring offsets for loads from replacement, reduction or retirement of existing sources, or the purchasing of credits elsewhere (trading). The alternative selection proposal must clearly demonstrate that this requirement has been met.

RE: The Chesapeake Bay watershed is not associated with the Project.

6. *Describe any potential alternative sewage disposal methods that are available for the project. Consider all reasonable possibilities for sewage disposal, such as a stream discharge or an alternative method of land disposal. The municipality delegated local agency or DEP may also require consideration of particular types of sewage disposal methods in the analysis. The chosen method must assure that applicable water quality standards are attained.*

   RE: There are no potential alternative sewage disposal methods available to the Project. The Project is located on a small city parcel in an area comprised of multiple commercial businesses that are served by the public sewer operated and maintained by PWSA and conveyed for treatment to the ALCOSAN Woods Run WWTP, which assures water quality standards will be attained. Therefore, disposal methods such as stream discharge or land disposal are not applicable.

7. *Describe why the proposed method was chosen over any of the other methods described in the alternatives analysis. Environmental, administrative, and financial concerns may be addressed. Also indicate how the chosen method will guarantee adequate sewage disposal, including compliance with applicable water quality standards and effluent limitations, for the development in both the short-term (up to 5 years) and the long-term (beyond 5 years) by describing the adequacy of the proposed facilities (organic and hydraulic loading) and the ability of the facility to accept additional flow or loads.*

   RE: Sewage disposal to the public sewer was chosen because the Project is located on a small city parcel in an area comprised of multiple commercial businesses. The area is served by the public sewer operated and maintained by PWSA and conveyed for treatment to the ALCOSAN Woods Run WWTP. The PWSA and ALCOSAN facilities have adequate capacity to accept flows from the Project and will guarantee compliance with sewage disposal requirements in both the short-term and long-term duration.

8. *Indicate who will be the owner of the facility, and who will be responsible for operations and maintenance of the facility and ultimately compliance with applicable water quality standards and effluent limitations.*

   RE: The public sewage conveyance facilities to which the Project will discharge are owned, operated, and maintained by the PWSA and the Monongahela River interceptor and Woods

Run Wastewater Treatment Plant are owned, operated, and maintained by ALCOSAN. Utilization of these facilities ensures compliance with water quality standards and effluent limitations.

To assure adequate long-term sewage disposal for the project, the disposal system must be properly operated and maintained. The applicate must indicate in the analysis who will be the owner of the facility and who will be responsible for the operation and maintenance of the facility. This may be a private individual, a municipality, a sewer authority or a management agency; however, the ultimate responsibility lies with the municipality. The delegated local agency or DEP may require a more extensive analysis of the available choices relative to ownership and operation of the facility. If the project will be required to participate in and existing municipal sewage management program or if the sewage management program or if a sewage management program is to be created, describe the program's requirements. Sewage management programs can consist of requirements for tank pumping, ordinances requiring maintenance of systems, or financial arrangements (fees, taxes, etc.) guaranteeing long-term operation of the treatment facilities.

RE: The public sewage conveyance facilities and treatment facilities are owned, operated, and maintained by PWSA and ALCOSAN. Utilization of these facilities ensures adequate long-term sewage disposal capacity. There are no known existing sewage management programs in the Project area. Participation in a sewage management program is not applicable to the Project.

9. *The applicant may describe any special considerations or provide any additional information that supports the choice of disposal method. The alternatives analysis must be attached to the planning module package for review by the municipality and approving agency.*

RE: There are no special considerations and no additional information to be provided beyond what has been presented in items 1 through 8 of this alternatives analysis. This alternatives analysis is being provided for review as directed.

APPENDIX E
PLOT PLAN

BUILDING CODE INFORMATION

1. ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE PROVISIONS OF THE DRAWINGS AND SPECIFICATIONS AND SHALL SATISFY ALL APPLICABLE CODES, ORDINANCES, A.D.A., AND REGULATIONS OF ALL GOVERNING ENTITIES INVOLVED. ANY MODIFICATION TO THE CONTRACT WORK REQUIRED BY SUCH AUTHORITIES SHALL BE AT THE EXPENSE OF THE OWNER, SUBJECT TO THE RECEIPT OF AN AFFIDAVIT OR LETTER FROM THE GOVERNING ENTITY. ALL PERMITS AND LICENSES NECESSARY FOR THE PROPER EXECUTION OF THIS WORK SHALL BE SECURED AND PAID FOR BY THE OWNER.

2. INTERNATIONAL BUILDING CODES WITH PA AMENDMENTS ARE AS FOLLOWS:
INTERNATIONAL BUILDING CODE (IBC), 2015 UPDATED EDITION
INTERNATIONAL FIRE CODE (IFC), 2015 EDITION
INTERNATIONAL MECHANICAL/PLUMBING CODES, 2015
NFPA CHAPTER 13, 2015 EDITION
ELECTRIC CODE IN IBC CH. 27 ADOPTS NFPA-70-2014, NAT'L ELECTRIC CODE
INTN'L ENERGY CONSERVATION CODE 2015- COMCHECK REVIEW ATTACHED
(PRESCRIPTIVE METHOD OPTIONAL INSULATION VALUES BASED ON ASHRAE 90.1 2013)
ACCESSIBILITY PER ICC A117.1-2009 UNDER IBC 2015 CHAPTER 11

2A. PHASE 2: GENERAL REQUIREMENTS AND SPECIFICATIONS:

A. INTERIOR BUILD OUT (PHASE 2 OF 2) OF A PREVIOUSLY SUBMITTED SHELL PACKAGE SET (PGH BP-2019-00506) TO BECOME GORDOS TACOS RESTAURANT WITH BAR UPSTAIRS.
B. ALL LEVELS TO HAVE 2 MEANS OF EGRESS TO EXTERIOR OR 1 HOUR FIRE SEPARATED HORIZONTAL PASSAGES (LOWER LEVEL).
LOWER LEVEL: SYCAMORE STREET EGRESS AND 1 HR FIRE SEPARATED STAIRS UP TO GROUND LEVEL.
GROUND LEVEL: FRONT SHILOH ST HANDICAP EGRESS AND REAR OPEN GRATE STEEL STAIRS TO GRADE
UPPER LEVEL: WOOD STAIRS TO GROUND LEVEL EGRESS AND REAR OPEN GRATE STEEL STAIRS TO GRADE.

BI. TRAVEL DISTANCE LIMITED TO MAX 75'-0" TRAVEL DISTANCE ALL LOCATIONS PER IBC 1006.2.1 (>30 OCC)
B2. SEPARATION OF EGRESS POINTS ALLOWABLE (1/3 OPEN SPACE RULE-SPRINKERED) IBC1007.1.1. EXCPT 2

C. DEFERRED SUBMITTAL: NEW FULL BUILDING SPRINKLER SYSTEM AND WATER MANIFOLD. HOOD ANSUL SYSTEM
D. (2) COMBO EXHAUST HOODS AND MECHANICAL, PLUMBING, SANITARY, AND ELECTRICAL WORK WITHIN SCOPE -ADDITION OF 4 HC ADA COMPLIANT TOILETS ON ALL LEVELS- 2 BASEMENT, 1 GROUND, 1 UPPER
E. ADDITION OF INTERIOR WOOD FRAMED STAIRS AND EXTERIOR OPEN GRATE STEEL STAIR PACKAGE.
F. (2) NEW TYPE 1 EXHAUST HOODS IN KITCHEN AND ANSUL LIQUID FIRE SUPPRESSION SYSTEM PER IMC 507.1 AND 509.1WITH SHUNT TRIP ON ELECTRICAL AND AUTO GAS SHUTDOWN. HOOD EQUIPMENT SHUTDOWN AND INTERLOCK TO MECHANICAL SYSTEM SHUTDOWN AS REQ'D PER IMC 509.1 AND 512.3 ET AL.
G. MANUAL FIRE ALARM SYSTEM NOT REQUIRED PER IBC 907.2.1 (< 300 OCC.) BUT FULL BUILDING MONITORING/ALARM SYS W/DETECTION PROPOSED
H. EMERGENCY EXIT LIGHTING TO BE PROVIDED PER OBC/NEC MIN. 1 FTCANDLE ALL EGRESS ROUTES.
J. REQUIRED NUMBER OF 2-A FIRE EXTINGUISHERS: 3 PER BUILDING (LOCATE PER LOCAL FIRE MARSHAL)
K. MAIN FRONT ENTRY TO ACT AS PRIMARY HANDICAP ENTRY WITH FULL ACCESS TO PRIMARY USE AREA (SEATING/TOILETS) PER ANSI A117.1/ADAAG.

3. TOTAL GROSS BUILDING AREA: 4,225 G.S.F.

4. OCCUPANCY TYPE: A-2: RESTAURANT & BAR

5. CONSTRUCTION TYPE: (IBC T-504.3/601). LOAD BEARING MASONRY ABOVE STONE GRADE LEVEL 3-B NON COMBUSTIBLE (IBC 504.3) SPRINKLERED

6. BUILDING LIMITATIONS: 3-B MOST RESTRICTIVE APPLIES PER IBC 313.1

	ALLOWABLE	ACTUAL
BUILDING MAX STORY -	3 STORY	3 STORY
BUILDING HEIGHT -	75'-0"	23'-0"
BUILDING AREA, 2+FLRS SPRINKLERED(SM)	-28,500 SF	4,225 SF

7. OCCUPANCY: (IBC T-1004.1.2 &1008.1.2) OCC. BASED ON TOTAL GROSS FLOOR AREA

	SUPPORT 100 S.F./O.C.C.	SEATING 15 S.F./O.C.C.	BAR 5 SF/O.C.C.	
SECOND FLOOR -	2 PEOPLE	61 PEOPLE	12 PEOPLE	
GROUND FLOOR -	3 PEOPLE	54 PEOPLE	13 PEOPLE	
LOWER FLOOR -	3 PEOPLE	- PEOPLE	- PEOPLE	
TOTAL -	8 PEOPLE	115 PEOPLE	25 PEOPLE	= 148 PEOPLE

8. EXIT WIDTH CAPACITY (OBC T-1003.2.3): SPRINKLERED
148 PEOPLE x 0.20" PER PERSON = 30" REQUIRED; SUPPLIED = 108" BY 3 EXITS (2 GRD FLR + 1 BSMNT)

9. MINIMUM NUMBER OF EXITS REQUIRED: 2 (IBC T1004.2.1). LESS THAN 500
1. ACTUAL EXITS PROVIDED (3): 3 SINGLE WITH DOORS TO SWING WITH PATH OF EGRESS
2. DOORS TO REMAIN ULOCKED TO EGRESS TRAVEL AT ALL OPERATION TIMES
3. NO SPECIAL USE OR KNOWLEDGE REQUIRED ON OPERATION OF DOORS
4. NO PUBLIC EXIT THROUGH KITCHEN OR HAZARDOUS AREAS

10. INTERIOR FINISHES (IBC T-803.11) A-2 & SPRINKLERED
EXIT CORRIDORS: B ROOMS: C FINISHES TO MEET ASTM E84 FLAMESPREAD/SMOKE DEVELOP
ALL INTERIOR OVERLAY FINISHES OR GWB TO MEET IBC 803.8 & 719

FIRE RATING SCHEDULE

LOCATION	FIRE RATING	UL ASSEMBLY DESIGNATION	LOCATION REQ'D	DETAIL SHEET
FLOOR/CEILING	1 HR	L 545	LOWER LEVEL	1/A-401
WALLS	1 HR	U 309	LOWER STAIR	1/A-401
PRIMARY STRUCTURE	1 HR	U 524	LOWER LEVEL	1/A-401
PROTECTED OPENINGS	2 HR	U 301	PROPERTY LINE	3/A-400
EXTERIOR BRICK WALLS	2 HR	IBC721.1 6"MIN	PROPERTY LINE	3/A-400
EXHAUST HOOD SHAFT	2 HR	UL L536	EX HOOD	2/A-401

NOTE: ENTIRE LOWER LEVEL AND STAIRS TO BE FIRE SEPARATED FROM UPPER LEVELS

DESIGN DATA SCHEDULE

MATERIAL	SOIL BEARING	FOOTER CONC.	STRUCT. CONC.	WIRE MESH	BLOCK	BRICK	REINFOR. STEEL	STRUCT. STEEL	WOOD
COMPRESSION		3,000	4,000		1,000	1,000			
BENDING								24,000	
STRESS	2,000			20,000			60,000	36,000	Fx=23,000

GENERAL NOTES

0. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXIST.. CONDITIONS PRIOR TO PRICING FROM WHICH A CONTRACT WILL BE FORMULATED.
1. BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK, THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND SHALL BE RESPONSIBLE FOR THEIR CORRECTNESS. ANY DIFFERENCES BETWEEN THE ACTUAL DIMENSIONS ON THE SITE AND THOSE INDICATED ON THE DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT/ CONSTRUCTION MGR. FOR INSTRUCTIONS AND CONSIDERATIONS BEFORE PROCEEDING WITH ANY WORK.
2. COOPERATE WITH APPLICABLE CITY OR OTHER GOVERNMENT OFFICIALS AND INSPECTORS AT ALL TIMES. IF SUCH OFFICIAL OR INSPECTOR DEEMS SPECIAL INSPECTION NECESSARY, PROVIDE ALL ASSISTANCE AND FACILITIES THAT WILL EXPEDITE HIS INSPECTION.
3. INSTALL ALL MANUFACTURING ITEMS, MATERIALS, AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDED SPECIFICATIONS, EXCEPT THAT THE SPECIFICATIONS HEREIN, WHERE MORE STRINGENT, SHALL BE COMPLIED WITH.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING HIS OWN TELEPHONE, TOILET, WATER, AND ELECTRICITY FOR ALL PROJECT FUNCTIONS, OFFICE, STORAGE, ETC.
5. EXCEPT WHERE OTHERWISE SPECIFIED, THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION AGAINST WEATHER TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FROM INJURY OR DAMAGES. AT THE END OF THE DAY'S WORK, ALL NEW WORK LIKELY TO BE DAMAGED SHALL BE COVERED OR OTHERWISE PROTECTED AS REQUIRED.
6. THE CONTRACTOR SHALL FURNISH & INSTALL PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY LOCAL, STATE, & FEDERAL CODES AND REGULATIONS.
7. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY PREPARING SUBSTRATE AS REQUIRED TO RECEIVE THE SCHEDULED FINISH MATERIAL, REGARDLESS OF WHETHER THE REQUIRED
8. PREPARATION IS EXPLICITLY NOTED ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODE, ORDINANCES, A.D.A. AND REGULATIONS OF ALL GOVERNING BODIES.

8A. FIELD QUALITY CONTROL TESTING:
SAMPLING FRESH CONCRETE: ASTM C172 OR MODIFIED FOR SLUMP WITH ASTM C94
SLUMB: ASTM C143:TEST AT POINT OF PLACEMENT AND AT LEAST ONCE A DAY OR AS CONSISTENCY CHANGES.
AIR CONTENT: ASTM C231 PRESSURE METHOD
CONCRETE TEMPERATURE: ASTM C1064 HOURLY WHEN TEMPERATURE IS BELOW 40 DEG F AND ABOVE 80 D F.
COMPRESSION TEST SPECIMENS: ASTM C31: ONE SET OF FOUR CYLINDERS. FIELD STORE
COMPRESSIVE STRENGTH TESTS: ASTM C39 ONE SET FOR EACH DAY- TEST ONE AT 7 DAYS, 2 AT 28 DAYS, AND LAST AT FUTURE REQUIRED DATE.

9. GENERAL CONTRACTOR IS NOT TO SEPARATE THE SET OF CONSTRUCTION DOCUMENTS. THE SETS ARE TO REMAIN INTACT AT ALL TIMES. THERE SHALL BE AT LEAST ONE SET OF COMPLETE DOCUMENTS (ALL DRAWINGS AND SPECIFICATIONS) ON THE PROJECT AT ALL TIMES.
10. AT THE END OF CONSTRUCTION, CONTRACTOR SHALL PROVIDE OWNER WITH ONE "RED LINED" AS BUILT SET OF DOCUMENTS, SHOWING ANY MODIFICATIONS IN CONSTRUCTION WHICH DEVIATE FROM THE CONSTRUCTION DOCUMENTS AND ANY UNCOVERED EXISTING CONDITIONS.
11. ANY REQ'D WOOD BLOCKING, FURRING, AND NAILERS SHALL BEAR FIRE RETARDANT-WOOD LABEL IN COMPLIANCE WITH OBC SECTION 2310.0.
12. CONTRACTOR TO OBTAIN PERMIT FROM CITY PRIOR TO ANY WORK BEING PERFORMED INSIDE CITY'S RIGHT OF WAY. CONTRACTOR TO NOTIFY CITY ENGINEER'S OFFICE MINIMUM 48 HOURS PRIOR TO ANY CONSTRUCTION IN CITY RIGHT OF WAY

NOTES TO DOOR AND FRAME SCHEDULE

1. ALL EGRESS DOOR SHALL BE READILY OPENABLE FROM THE SIDE FROM WHICH EGRESS IS MADE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT (I.B.C. 1017.4.1).
2. ALL DOOR CLOSERS & HARDWARE TO MEET SPECIFICATIONS IN ANSI 117.1, IBC REQUIREMENT & THE AMERICANS WITH DISABILITIES ACT
3. ALL EXIT DOORS ARE A MIN. OF 3'-0" WIDE, AND ARE PROVIDED WITH ALL REQUIRED HARDWARE.

NOTES TO ROOM FINISH SCHEDULE

1. INTERIOR WALL AND CEILING FINISHES SHALL BE MINIMUM TYPE III, AS PER IBC. T-803.4. CARPETING SHALL COMPLY WITH THE DOC FF-1 'PILL TEST' (CPSC 16CFR, PART 1630). AND "CRITICAL RADIANT FLUX" REQUIREMENTS PER OBC 805.2
A COPY OF THE TEST REPORT IDENTIFYING AND REPRESENTING THE STYLE TO BE USED SHALL BE PROVIDED TO THE CODE OFFICIAL UPON REQUEST. THE TEST REPORT SHALL IDENTIFY THE CARPET BY MFR. AND STYLE NAME AND SHALL BE TYPICAL OF THE CURRENT CONSTRUCTION OF THE CARPET.
THE CARPET SHALL BE IDENTIFIED AS TO THE MANUFACTURER, FLAME SPREAD RATING, AND STYLE BY A HANG TAG OR OTHER SUITABLE METHOD, WHICH SHALL INDICATE THE CLASSIFICATION OF THE ITEM BASED UPON THE LIMITATIONS SPECIFIED IN I.B.C. 805.2.
2. ALL INTERIOR FINISHES TO MEET CLASS B FLAMESPREAD REQUIREMENTS PER I.B.C. T803

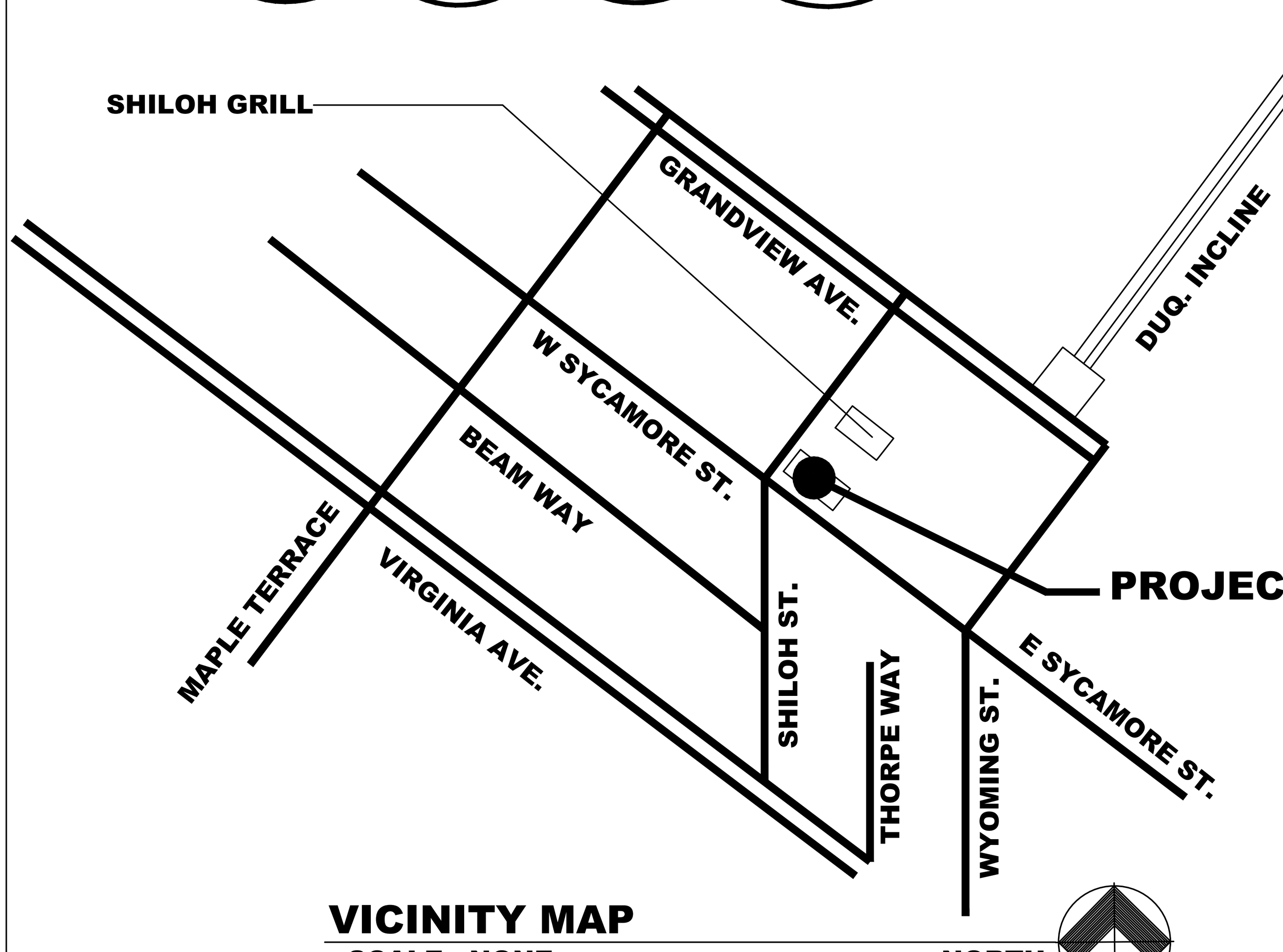
AN INTERIOR PACKAGE (PHASE 2 OF 2) FOR:

GORDOS TACOS

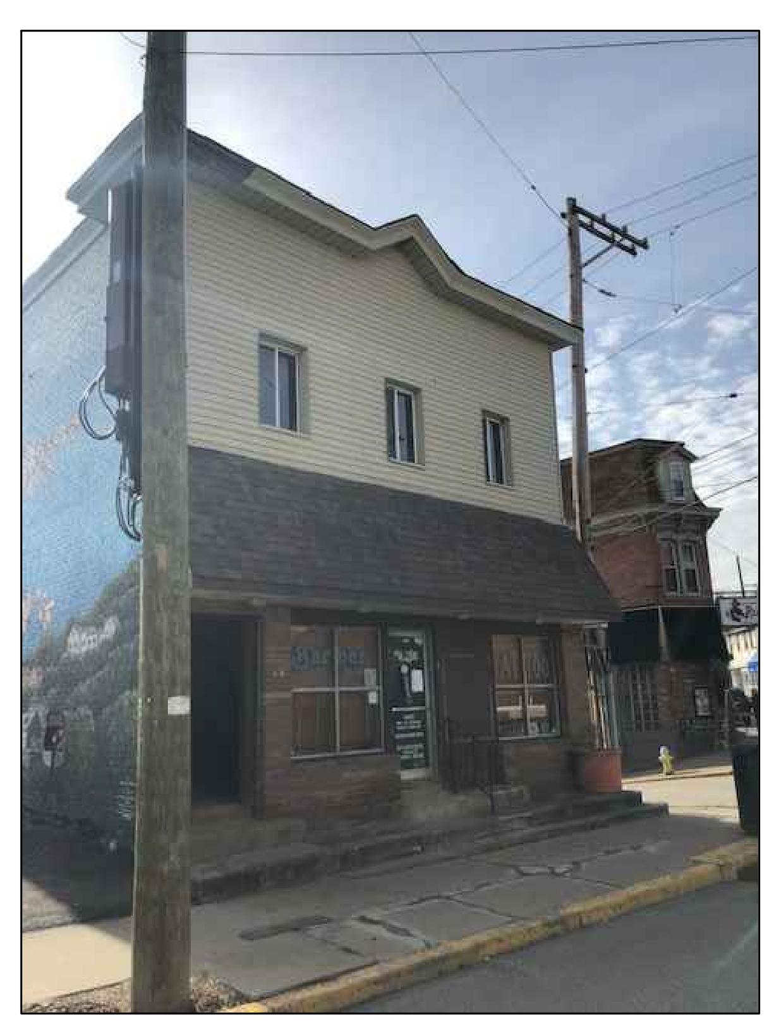
131 SHILOH STREET - MT. WASHINGTON
CITY OF PITTSBURGH
ALLEGHENY COUNTY, PENNSYLVANIA 15211
CONTACT: BRIAN GORDER-TENANT 412 491 7223

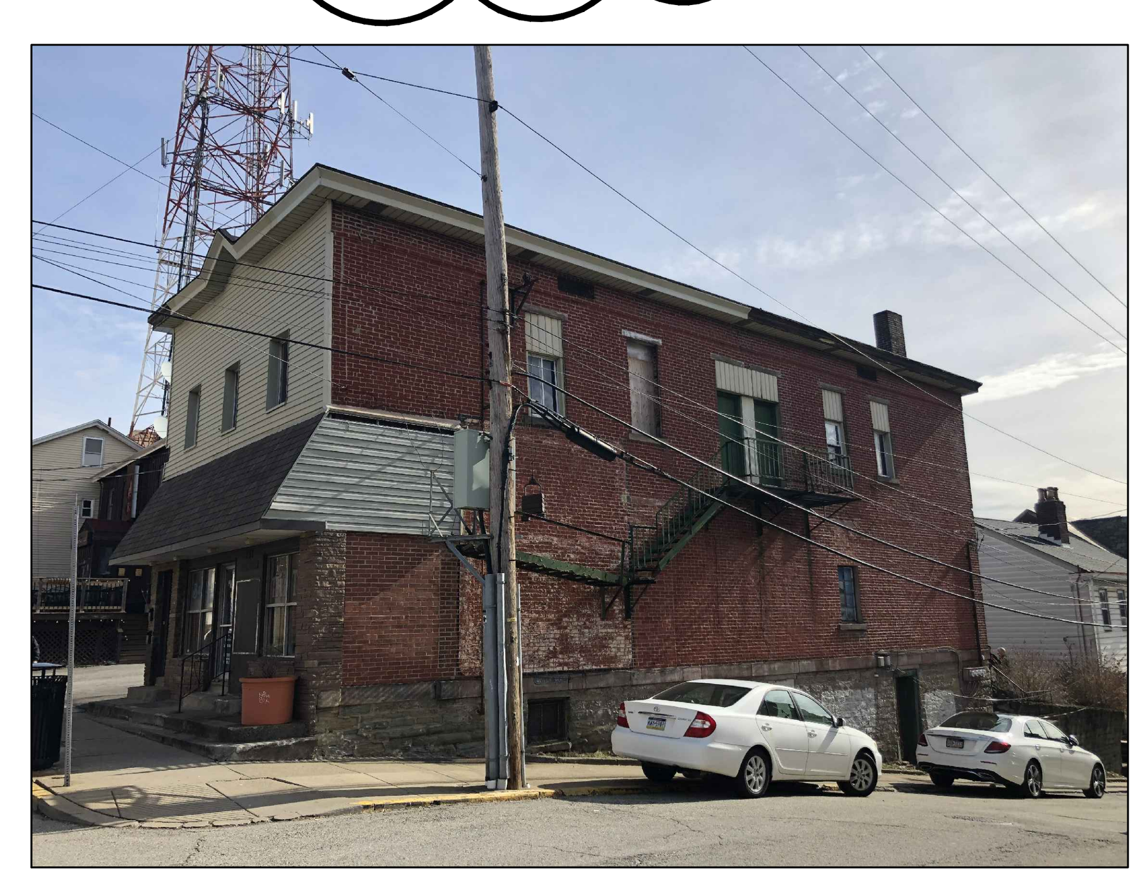
INDEX TO INTERIOR DRAWINGS

ARCHITECTURAL		PLUMBING	
A-000	CODE INFORMATION	P-200	LOWER + GROUND PLUMBING PLANS
A-100	SURVEY AND SITE PLANS	P-201	UPPER PLUMBING PLAN
A-200	LOWER + GROUND FRAMING PLANS	P-202	PLUMBING SCHEDULE AND DETAILS
A-200.1	UPPER FLAMING PLAN	P-202	PLUMBING ISOMETRIC
A-200.2	ROOF PLAN	**ELECTRICAL/EMERG/LTG-SA ENGINEERING**	
A-200.3	LOWER + GROUND EQUIP./SEATING PLANS	E-100	ELECTRICAL LIGHTING PLANS
A-200.4	UPPER EQUIPMENT/SEATING PLAN	E-200	ELECTRICAL POWER PLANS
A-201	SCHEDULES	E-300	ELECTRICAL SCHEDULES
A-202	ACCESSIBILITY PLANS	E-400	ELECTRICAL FEEDER
A-202	REFLECTED CEILING PLANS- LOWER/GND	**MECHANICAL**	
A-203	REFLECTED CEILING PLAN- UPPER	M-200	LOWER + GROUND MECHANICAL PLANS
A-204	EQUIPMENT SCHEDULE	M-201	UPPER + ROOF MECHANICAL PLANS
A-300	EXTERIOR ELEVATIONS	M-202	MECHANICAL SCHEDULE AND DETAILS
A-400	SECTIONS & DETAILS	**STRUCTURAL- GATEWAY ENGINEERS**	
A-401	SECTIONS & DETAILS CON'T	S-100	STRUCTURAL RETAINING WALL PLANS
A-402	LONGITUDINAL SECTIONS & STAIRS	S-200	STRUCTURAL PLANS
		S-300	STRUTURAL SECTIONS AND DETAILS



VICINITY MAP
SCALE: NONE





EXISTING PHOTOGRAPHS
SCALE: NONE

PLOTTER DATE STAMP:

SYMBOLS AND MATERIALS

- SECTION CUT INDICATOR (SECTION, A6.1)
- MATCH LINE INDICATOR (MATCH LINE, A6.1)
- DETAIL INDICATOR (A6.1)
- INTERIOR ELEVATION INDICATOR (A4.2)
- ROOM NUMBER SEE ROOM FINISH SCHEDULE (ROOM NAME 101)
- DOOR NUMBER SEE DOOR SCHEDULE (101-A)
- WALL TYPE (A)
- NUMBERED NOTE (1)
- WINDOW TYPE (S1)
- UNDISTURBED EARTH OR UNDISTURBED SUBGRADE
- COMPACTED EARTH OR COMPACTED SUBGRADE
- POUROUS FILL OR SUBBASE
- CAST-IN-PLACE CONCRETE
- FINISHED OR CAST STONE
- GROUT
- CONCRETE MASONRY UNITS
- GLAZED FACE CONCRETE MASONRY UNITS
- BRICK
- GLAZED BRICK
- GLASS UNIT MASONRY
- STEEL
- ALUMINUM
- CONTINUOUS WOOD FRAMING
- WOOD BLOCKING
- PLYWOOD
- PARTICLE/FIBER BOARD
- FINISHED WOOD
- BATT INSULATION
- RIGID INSULATION
- LATH AND PLASTER
- GYPSUM BOARD
- CERAMIC TILE
- TERRAZZO
- ACOUSTICAL CEILING
- EXT. INSUL. FIN. SYS.

ABBREVIATIONS

&	AND
L	ANGLE
@	AT
X	BY
#	NUMBER
A/E	AIR ENTRAINING (3%)
AB	ANCHOR BOLT
ACOUST	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BR	BRICK
BRG	BEARING
BTM	BOTTOM
BUR	BUILT UP ROOFING
C/C	CENTER TO CENTER
CJ	CONSTRUCTION JOINT
C/L	CENTER LINE
C/L	CENTER LINE
CAR	CARPET (ROLL GOODS/BROADLOOM)
CBB	CEMENTITIOUS BACKER BOARD
CCT	CUBICLE CURTAIN TRACK
CLG	CEILING
CLO	CLOSET
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CORR	CORRIDOR
CPT	CARPET TILE
CRS	COURSE
CT	CERAMIC TILE
CHRRL	CERAMIC TILE
DBL	DOUBLE
DEM	DEMISING
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DS	DOWN SPOUT
DP	DEEP
DR	DOOR
DET	DETAIL
DWG	DRAWING
EA	EACH
EF	EACH FACE
E.J.	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATION
ENCL	ENCLOSED (SURE)
EQ	EQUAL
EQUIP	EQUIPMENT
ETC	ET CETERA
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXT	EXTERIOR
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FIN	FINISH
FIXT	FIXTURE
FL	FLOOR
FLDR	FOLDING DOOR
FM	FACTORY MUTUAL
FR	FIRE RATED
FRTW	FIRE RETARDANT TREATED WOOD
FSS	FOLDING SHOWER SEAT
FT	FOOT
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GFCMU	GROUND FACE CONCRETE MASONRY UNITS
GL	GLASS, GLAZING
GLB	GLASS BLOCK
GLCMU	GLAZED FACE CONCRETE MASONRY UNITS
GYP	GYPSUM PLASTER
GWB	GYPSUM WALL BOARD
H	HIGH, HEIGHT
HC	HANDICAPPED
HD	HAND DRYER
HDWE	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL(LY)
HR	HOUR
HVAC	HEATING, VENTILATING, AIR CONDITIONING
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
INTERMED	INTERMEDIATE
INV	INVERT
IRWC	IMPACT RESISTANT WALLCOVERING
JAN	JANITOR
JB	JUNCTION BOX
JT	JOINT
LAM	LAMINATED
LAV	LAVATORY
LF	LINEAR FEET
LIN	LINOLEUM
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
M	MIRROR
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MET	METAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MO	MASONRY OPENING
MOULD	MOULDING
MTD	MOUNTED
NIC	NOT IN CONTRACT
NO.	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
PART'N	PARTITION
PERIM	PERIMETER
PL	PLATE
P/L	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLS	PLASTER
PNL	PANEL
PTD	PAINTED (PAINTED FINISH)
PR	PAIR
PROJ	PROJECT
PT	PRESSURE TREATED
PLYWD	PLYWOOD
QT	QUARRY TILE
RAD	RADIUS
RD	ROOF DRAIN
REBAR	REINFORCING BAR
RECT	RECTANGULAR
REINF	REINFORCEMENT
REQ	REQUIRED
REP	REPRESENTATIVE
RFG	RECESSED FOOT GRILLE
RM	ROOM
R/W	RIGHT-OF-WAY
RWC	RAIN WATER CONDUCTOR
S/H	SEALER/HARDENER
SC	SOLID CORE
SF	SQUARE FOOT
SFCMU	SPLIT FACE CONCRETE MASONRY UNITS
SGB	STRUCTURAL GLAZED BLOCK
SIM	SIMILAR
SK	SINK
SOG	SLAB ON GRADE
SPEC	SPECIFICATIONS
SQ	SQUARE
SRGB	SAG-RESISTANT GYPSUM BOARD
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUPPL	SUPPLEMENTARY
SUSP	SUSPENDED
SV	SHEET VINYL
SVT	SOLID VINYL TILE
TEMP	TEMPERED
T/BM	TOP OF BEAM
T&G	TONGUE AND GROOVE
THR	THRESHOLD
T/JST	TOP OF JOIST
TKBD	TACK BOARD
TOM	TOP OF MASONRY
TOS	TOP OF SLAB
T/ST	TOP OF STEEL
TTD	TOILET TISSUE DISPENSER
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VINYL
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
W/	WITH
WC	WATER CLOSET
WD	WOOD
W/O	WITHOUT
WR	WASTE RECEPTACLE
WPT	WOOD - PRESERVATIVE TREATED
WWF	WELDED WIRE FABRIC
WNSCT	WOOD PANEL WAINSCOT

DO NOT SCALE DRAWINGS: CONTRACTOR MUST VERIFY ALL DIMENSIONS,FIELD CONDITIONS, AND CLEARANCES PRIOR TO COMMENCEMENT OF WORK AND/OR ORDERING OF MATERIALS.

WE CERTIFY THAT THESE PLANS HAVE BEEN PREPARED IN OUR OFFICE AND UNDER OUR SUPERVISION AND THAT TO THE BEST OF OUR KNOWLEDGE AND BELIEF, COMPLY WITH APPLICABLE LAWS, REGULATIONS, AND ORDINANCES OF THE JURISDICTION RELATING TO THIS PROJECT.

SIPP TEPE LLC ARCHITECTS
OHIO, PENNA., W.VA.
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North Lima,Ohio 44452
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Cell:724.544.8160 (Sipp)
330.651.7543 (Tepe)
Em:starchgrub@gmail.com

A New Restaurant INTERIOR for:
GORDO'S TACOS
131 Shiloh Street- Mt. Washington
City Of Pitsburgh, Pennsylvania 15211
Contact Person: Brian Gorder 412 491 7293

PROJECT DESIGNATION: 2019_10
CADD FILE LOCATION: 2019\2019_10_GORDOS_TACOS_MASTER.DWG
DRAWN/CHECKED BY: DTEPE/DDSIPP BCOLANGELO

GORDO'S TACOS & TEQUILA Eat • Drink • Live

SEAL
REGISTERED ARCHITECT PENNSYLVANIA DOUGLAS D. SIPP RA-013058X

INTERIOR RESUBMIT ELECT, MECH JUNE 30, 2020

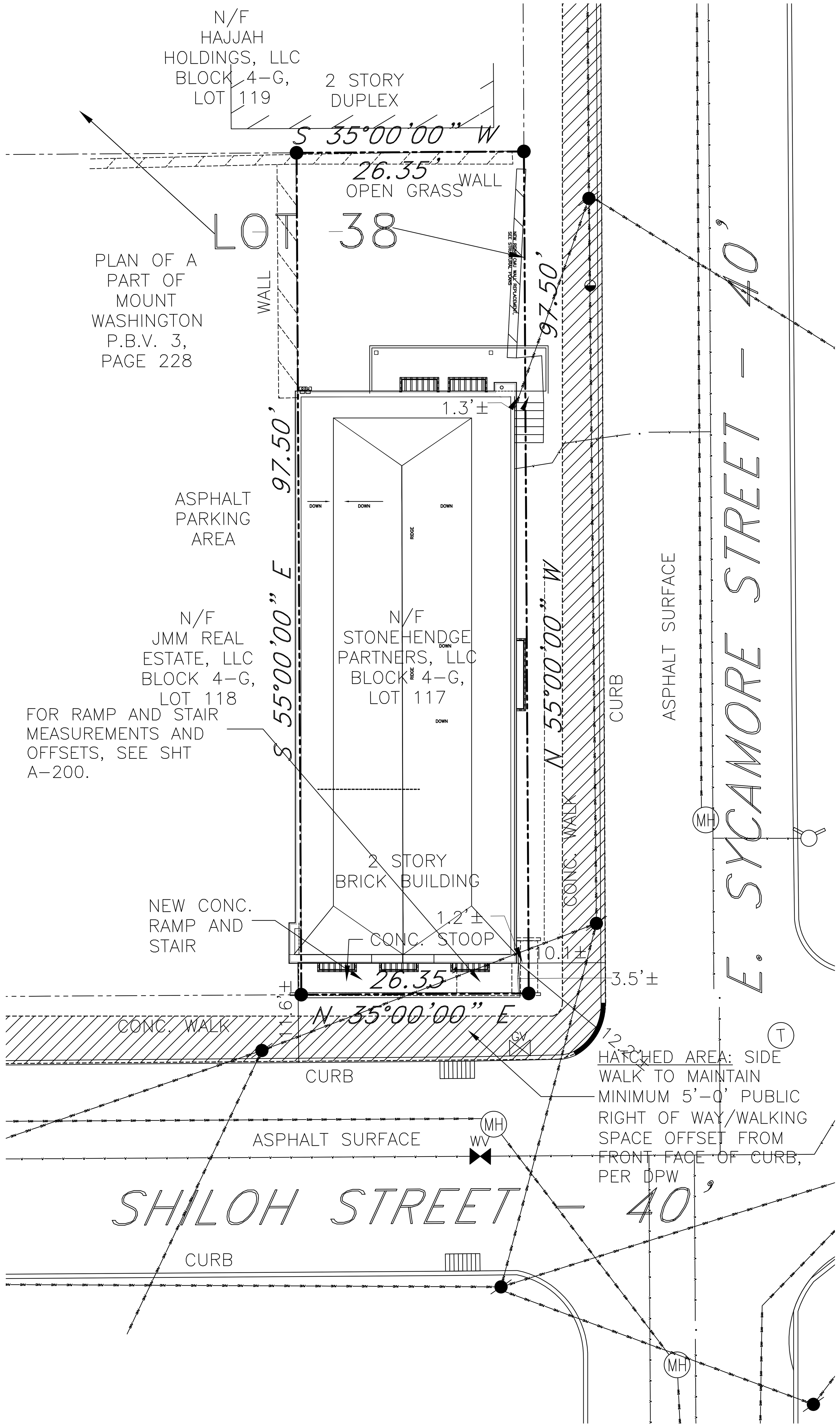
COVER SHEET

DRAWING TITLE
DRAWING NUMBER

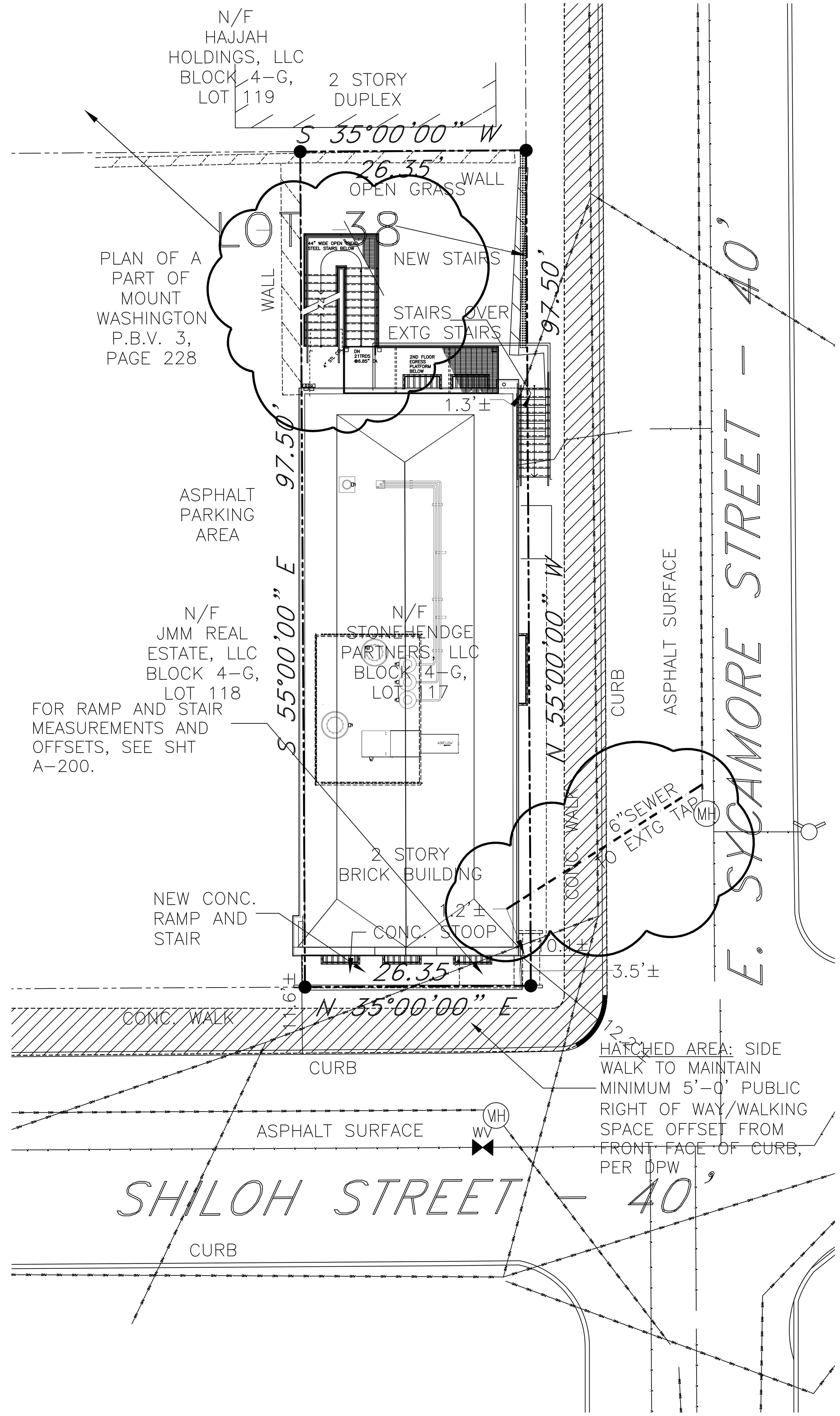
A-000

ESTABLISHED- 1997

NO.	REVISION	DATE
2		
1	REVS PER K.SCOTT BP-2019-03855 9/11/2019	6/26/20



PRE-EXISTING SURVEY PLAN
SCALE: 1/4" = 1'-0"
NORTH
SURVEY CONDUCTED BY GREG QUINT - RED SWING GROUP
SURVEY ISSUE DATE: 7/24/2019



NEW PROPOSED SITE PLAN
SCALE: 1/4" = 1'-0"
NORTH

PLOTTER DATE STAMP:

SIPP TEPE LLC
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OHIO, PENNA., W.VA.

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CADD FILE LOCATION: 2019/2019_10_GORDOS_TACOS_MASTER.DWG
DRAWN/CHECKED: DTEPE/DDSIPP BCOLANGELO

GORDO'S TACOS & TEQUILA

SEAL
REGISTERED ARCHITECT
PENNSYLVANIA
DOUGLAS D SIPP RA-013038-X

INTERIOR RESUBMIT
ELECT, MECH JUNE 30, 2020

EXISTING SURVEY AND NEW SITE PLAN
DRAWING TITLE
DRAWING NUMBER
A-100
ESTABLISHED- 1997
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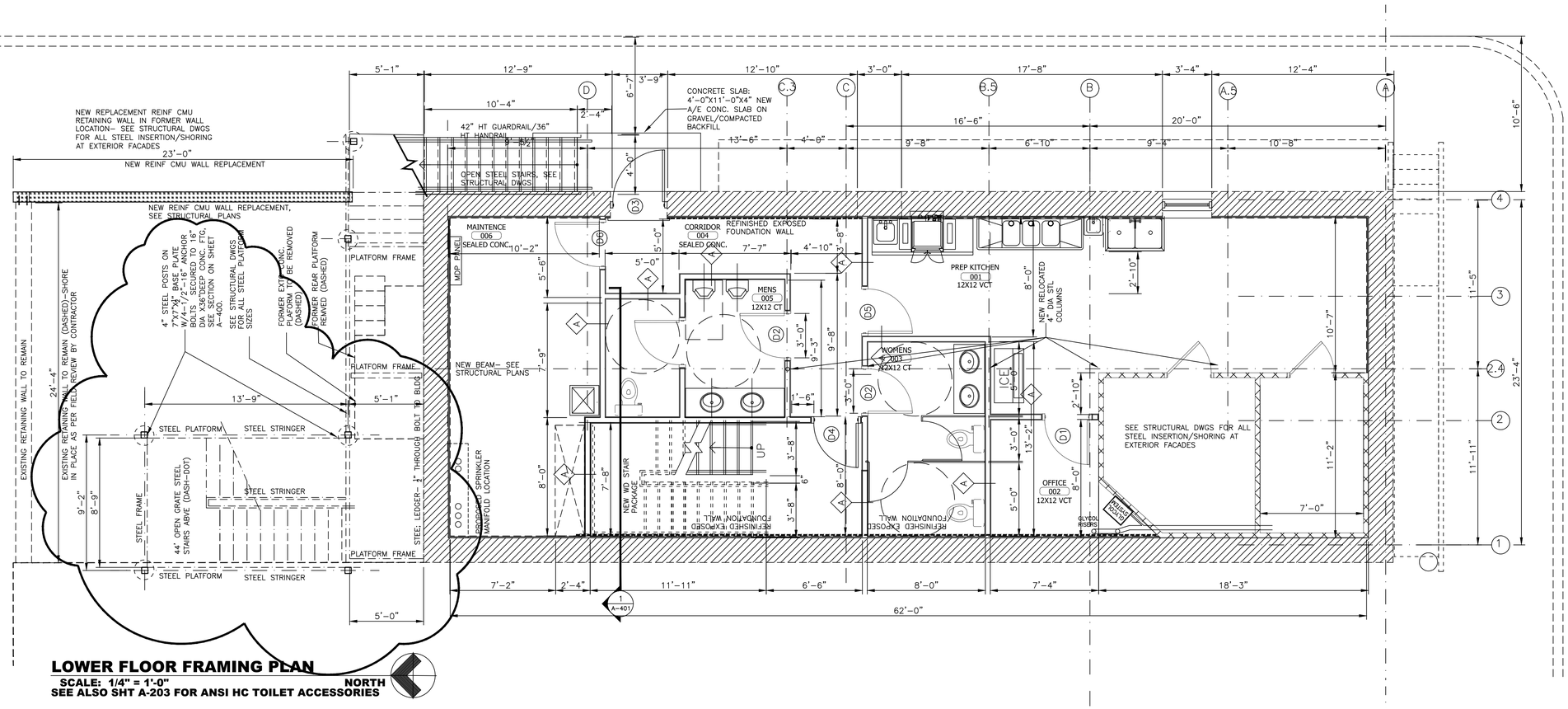
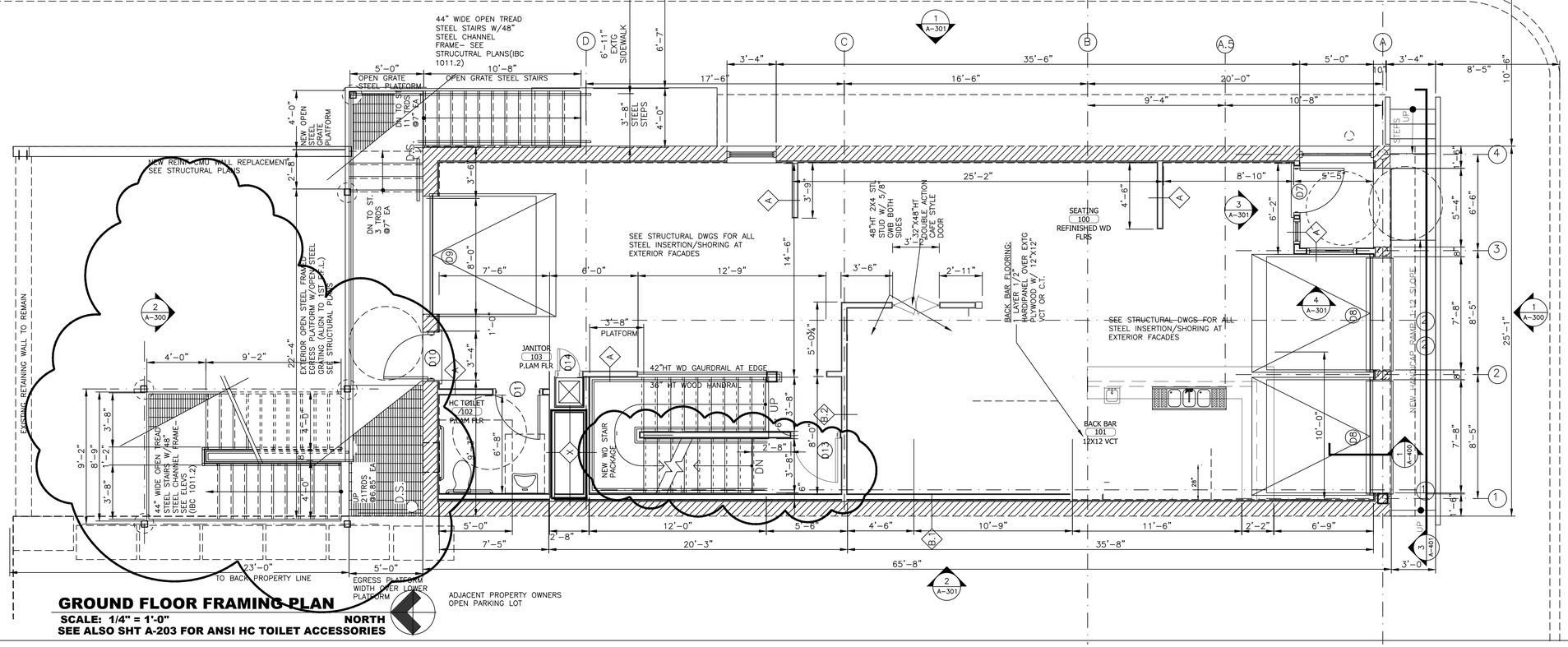
NO.	REVISION	DATE
1	REVS PER K.SCOTT BP-2019-03855 9/11/2019	6/26/20



LOWER FLOOR FRAMING PLAN

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

SEE ALSO SHT A-203 FOR ANSI HC TOILET ACCESSORIES



GROUND FLOOR FRAMING PLAN

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

SEE ALSO SHT A-203 FOR ANSI HC TOILET ACCESSORIES

PLOTTER DATE STAMP:

SIPP TEPE LLC ARCHITECTS
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A New Restaurant INTERIOR for:

GORDO'S TACOS

131 Shiloh Street- Mt. Washington
City Of Pitsburgh, Pennsylvania 15211
Contact Person: Brian Gorder 412 491 7293

PROJECT DESIGNATION: 2019_10

2019\2019_10_GORDOS_TACOS_MASTER.DWG

DRAWING BY: DTEPE/DDSIPP BCOLANGELO

GORDO'S TACOS & TEQUILA Eat • Drink • Live

SEAL

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA DONALD D. SIPP RA013359X

INTERIOR RESUBMIT ELECT, MECH JUNE 30, 2020

FLOOR PLANS: LOWER & GROUND

DRAWING TITLE

DRAWING NUMBER

A-200

ESTABLISHED- 1997

NO.	REVISION	DATE
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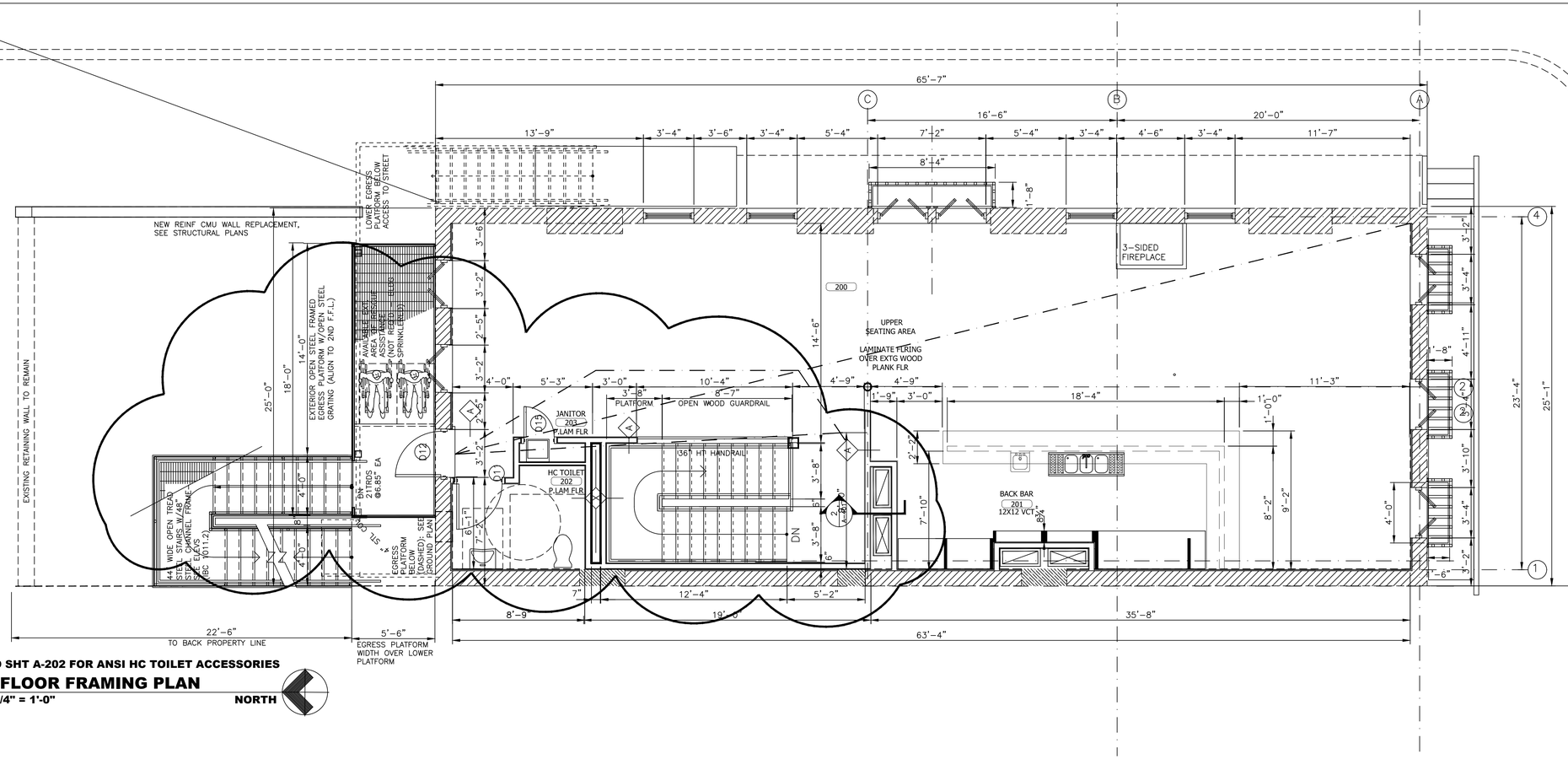

SEE ALSO SHT A-202 FOR ANSI HC TOILET ACCESSORIES

UPPER FLOOR FRAMING PLAN

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

PLOTTER DATE STAMP:

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PROJECT DESIGNATION: 2019_10

2019\2019_10 GORDOS_TACOS_MASTER.DWG

DRAWN BY: TEPE/DDSIPP
CHECKED BY: BCOLANGELO

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REGISTERED ARCHITECT PENNSYLVANIA DOUGLAS D. SIPP RA-013038-X

INTERIOR RESUBMIT
ELECT, MECH JUNE 30, 2020

FLOOR PLAN: UPPER

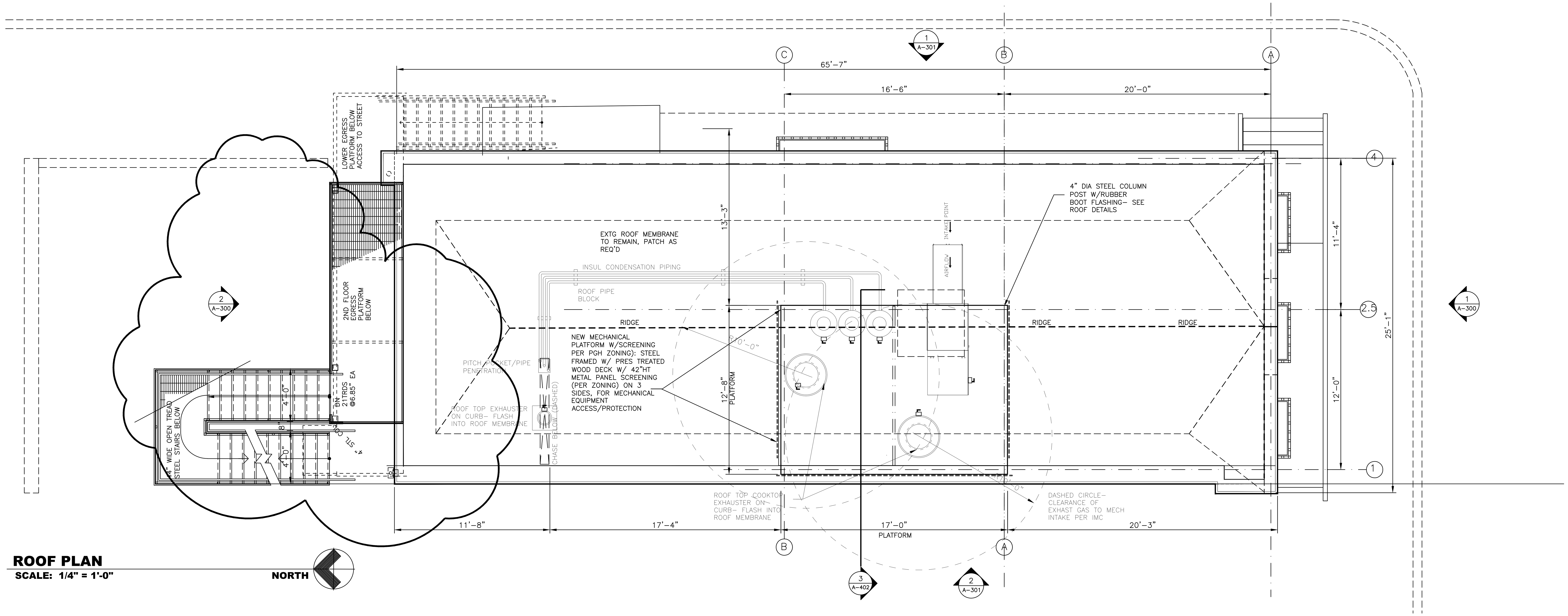
DRAWING TITLE

DRAWING NUMBER

A-200.1

ESTABLISHED- 1997

NO.	REVISION	DATE
2		
1	REVS PER K.SCOTT BP-2019-03855 9/11/2020	9/25/20



ROOF PLAN

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

NORTH

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A New Restaurant INTERIOR for:
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131 Shiloh Street- Mt. Washington
City Of Pitsburgh, Pennsylvania 15211
Contact Person: Brian Gorder 412 491 7293

PROJECT DESIGNATION: 2019_10

CAD FILE LOCATION: 2019\2019_10_GORDOS_TACOS_MASTER.DWG

DRAWN/CHECKED BY: DTEPE/DDSIPP BCOLANGELO

GORDO'S TACOS & TEQUILA

SEAL

REGISTERED ARCHITECT PENNSYLVANIA DOUGLAS D SIPP RA-013558-X

INTERIOR RESUBMIT ELECT, MECH JUNE 30, 2020

FLOOR PLAN: ROOF

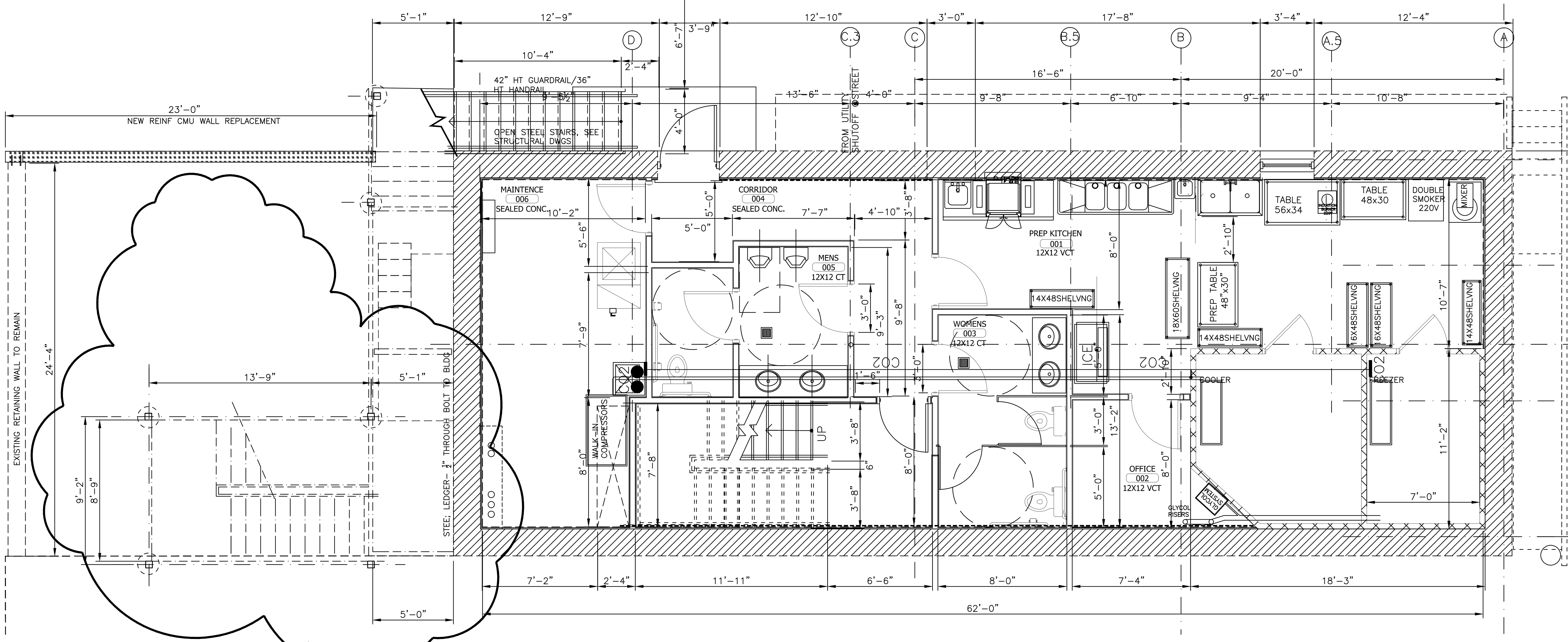
DRAWING TITLE

DRAWING NUMBER

A-200.2

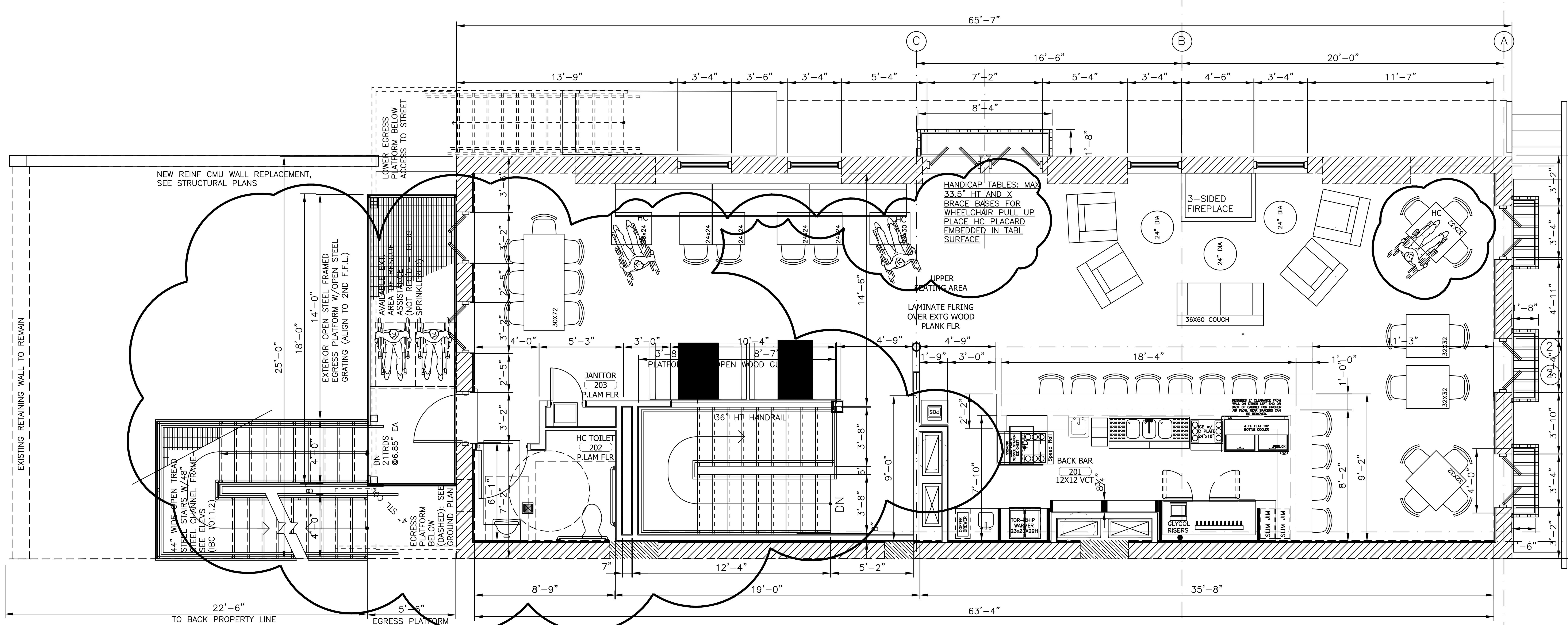
NO.	REVISION	DATE
	REVS PER K.SCOTT BP-2019-03855 9/11/2019	

PLOTTER DATE STAMP:



LOWER EQUIPMENT PLAN

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



GROUND EQUIPMENT/SEATING FLOOR PLAN

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

PLOTTER DATE STAMP:

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GORDO'S TACOS & TEQUILA
Eat • Drink • Live

A New Restaurant INTERIOR for:
GORDO'S TACOS
131 Shiloh Street- Mt. Washington
City Of Pittsburgh, Pennsylvania 15221
Contact Person: Brian Gorder 412 491 7293

PROJECT DESIGNATION: 2019_10
CADD FILE LOCATION: 2019\2019_10_GORDOS TACOS_MASTER.DWG
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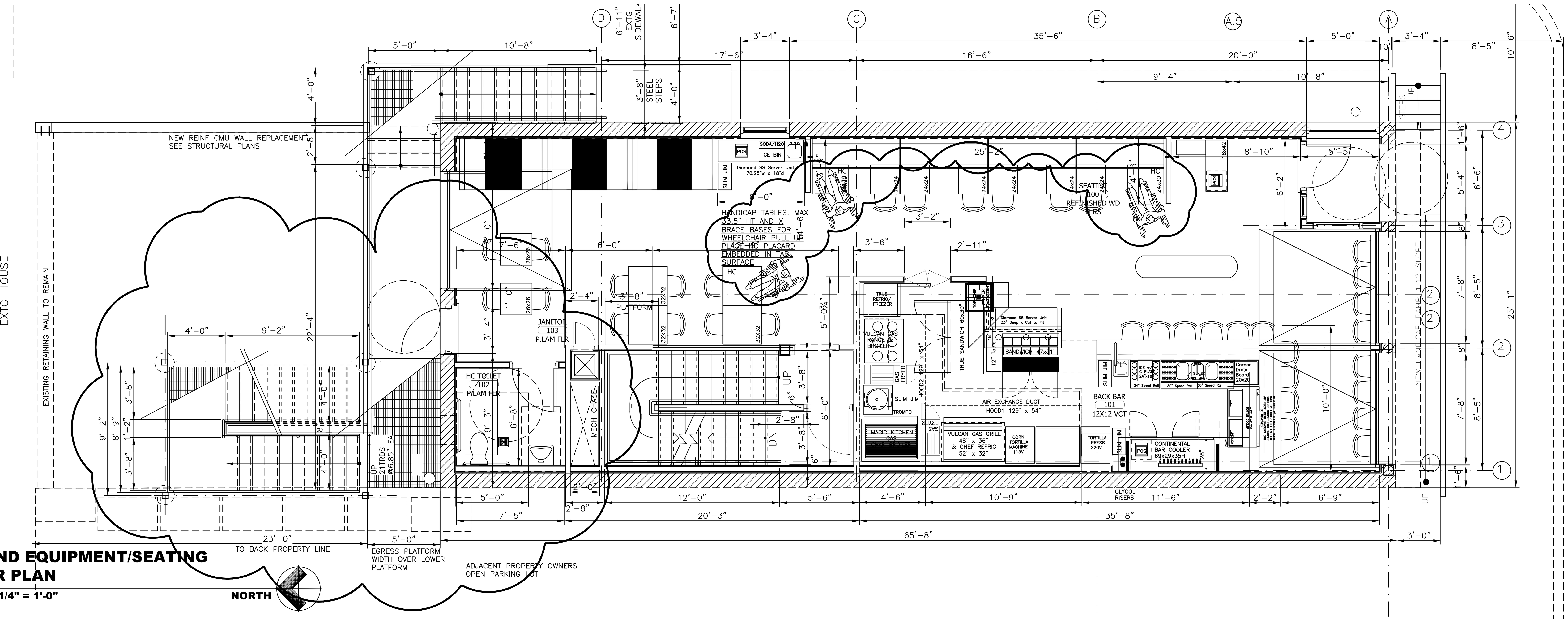
SEAL
REGISTERED ARCHITECT PENNSYLVANIA DOUGLAS D SIPP RA-013058X

INTERIOR RESUBMIT
ELECT, MECH JUNE 30, 2020

EQUIPMENT SEATING PLANS: LOWER & GROUND
DRAWING TITLE

DRAWING NUMBER
A-200.3

NO.	REVISION	DATE
1	REVS PER K.SCOTT BP-2019-03855	9/11/2020



SECOND EQUIPMENT/SEATING FLOOR PLAN

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

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DRAWN/CHECKED: DTEPE/DDSIPP BCOLANGELO

GORDO'S TACOS & TEQUILA

SEAL

REGISTERED ARCHITECT PENNSYLVANIA DOUGLAS D SIPP RA-013958X

INTERIOR RESUBMIT
ELECT, MECH JUNE 30, 2020

EQUIPMENT SEATING PLAN: UPPER

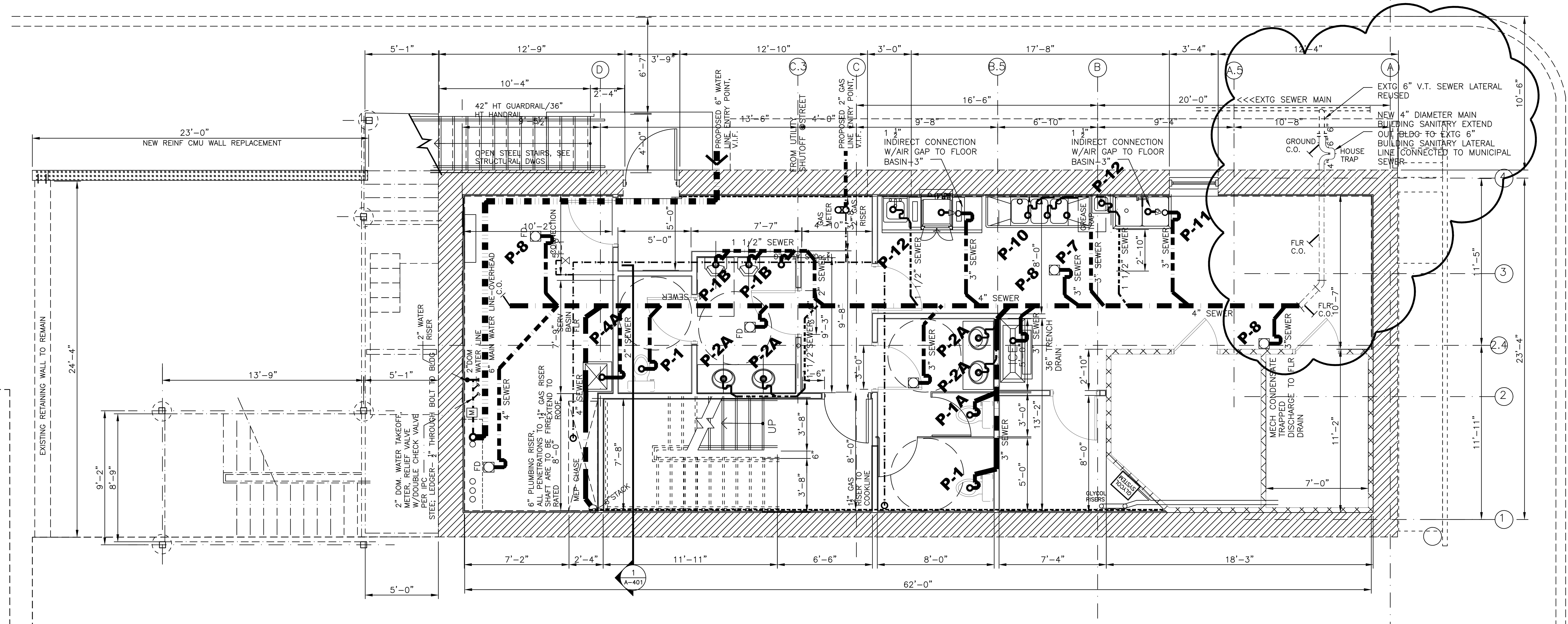
DRAWING TITLE

DRAWING NUMBER

A-200.4

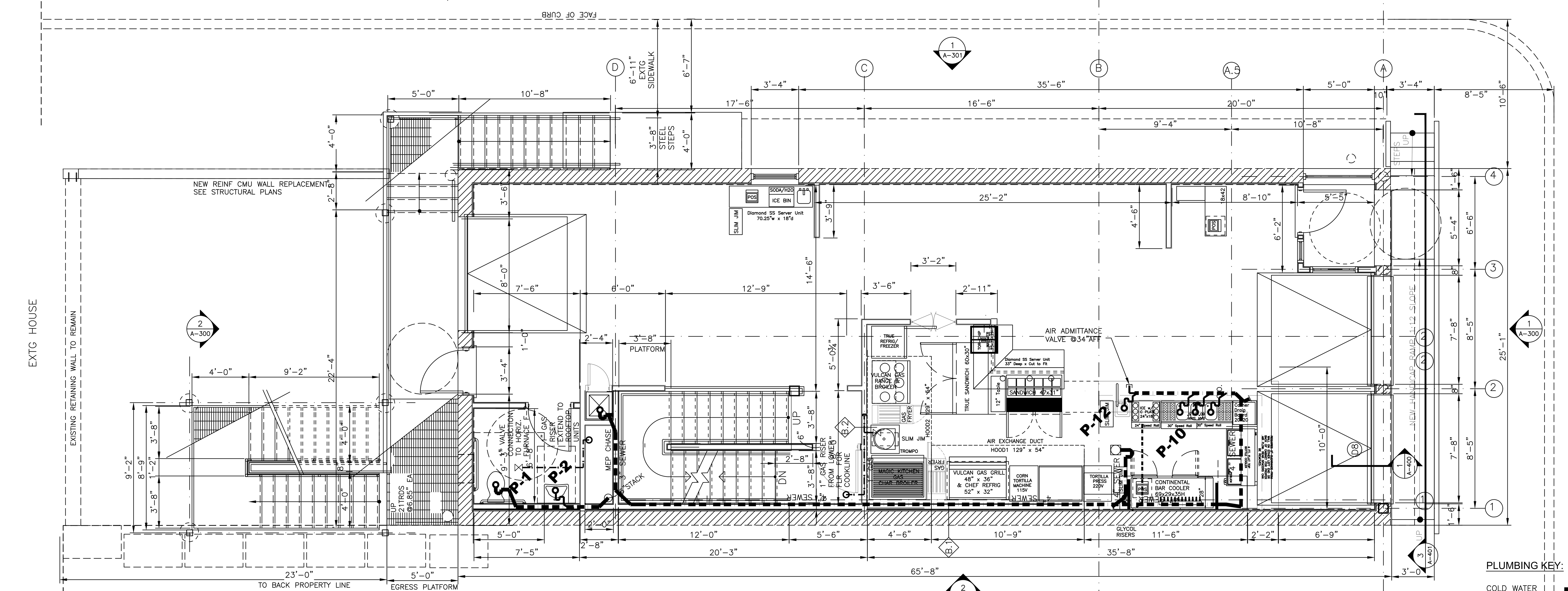
NO.	REVISION	DATE
	REVS PER K.SCOTT BP-2019-03855 9/11/2020	

PLOTTER DATE STAMP:



LOWER FLOOR PLUMBING PLAN

SCALE: 1/4" = 1'-0" NORTH
SEE ALSO SHT A-203 FOR ANSI HC TOILET ACCESSORIES



GROUND PLUMBING PLUMBING PLAN

SCALE: 1/4" = 1'-0" NORTH
SEE ALSO SHT A-203 FOR ANSI HC TOILET ACCESSORIES

PLUMBING KEY:

COLD WATER
HOT WATER
SEWER
GAS

PLOTTER DATE STAMP:

SIPP TEPE LLC ARCHITECTS
OHIO, PENNA., W.VA.

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330.651.7543 (Tepe)
Em:starchgrub@gmail.com

A New Restaurant INTERIOR for:
GORDO'S TACOS
131 Shiloh Street- Mt. Washington
City Of Pitsburgh, Pennsylvania 15211
Contact Person: Brian Gorder 412 491 7293

PROJECT DESIGNATION: 2019_10
CADD FILE LOCATION: 2019\2019_10_GORDOS_TACOS_MASTER.DWG
DRAWN/CHECKED: DTEPE/DDSIPP BCOLANGELO

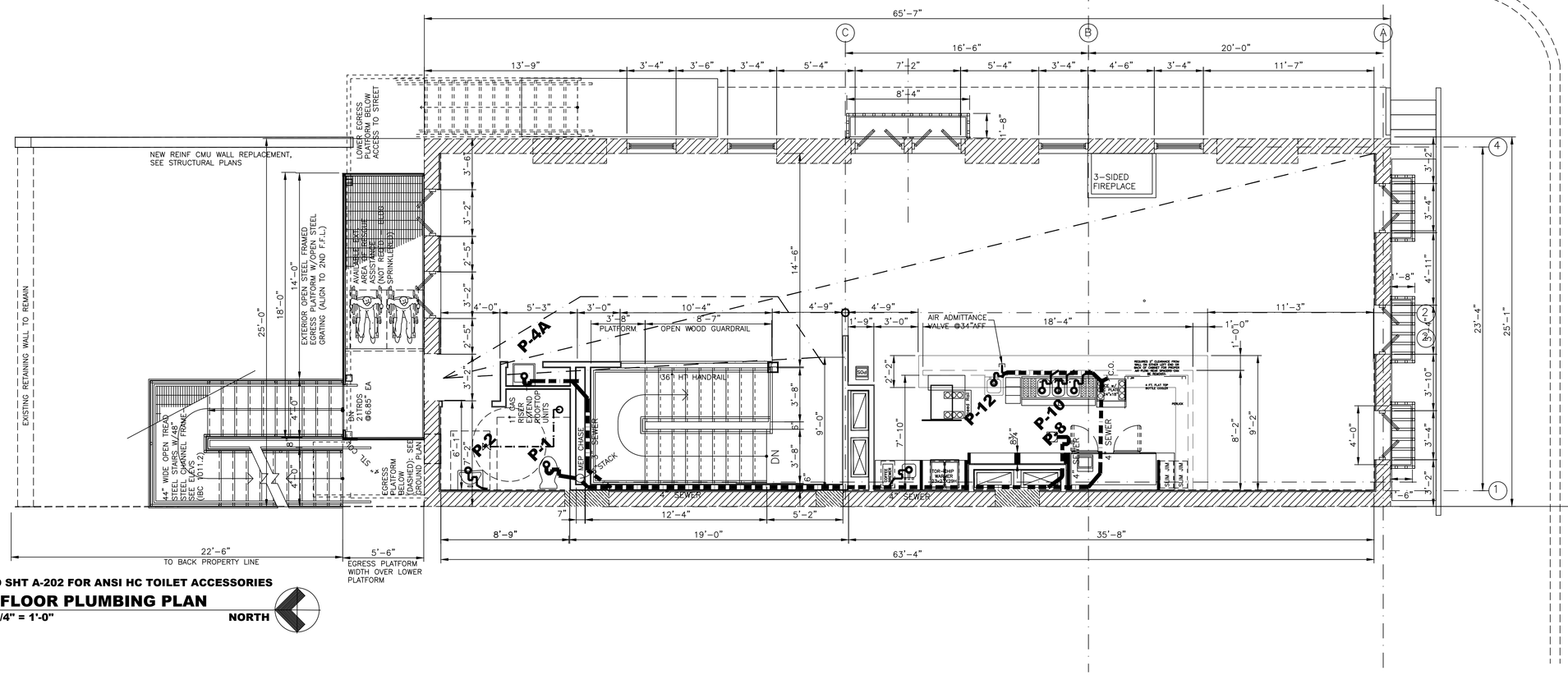
GORDO'S TACOS & TEQUILA

SEAL
REGISTERED ARCHITECT PENNSYLVANIA DAVID SIPP RA-013038-X

INTERIOR RESUBMIT
ELECT, MECH JUNE 30, 2020

PLUMBING PLANS: LOWER & GROUND
DRAWING TITLE
DRAWING NUMBER
P-200

NO.	REVISION	DATE
1	REVS PER K.SCOTT BP-2019-03855 9/11/2019	8/26/20



SEE ALSO SHT A-202 FOR ANSI HC TOILET ACCESSORIES

UPPER FLOOR PLUMBING PLAN

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

PLUMBING KEY:

COLD WATER
HOT WATER
SEWER
GAS

PLOTTER DATE STAMP:

SIPP TEPE LLC
ARCHITECTS

OHIO, PENNA., W.VA.

11524 Market Street
Post Office Box 332
North Lima,Ohio 44452
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DRAWN/CHECKED BY: **DTEPE/DDSIPP BCOLANGELO**

CADD FILE LOCATION: **2019\2019_10_GORDOS_TACOS_MASTER.DWG**

PROJECT DESIGNATION: **2019_10**

GORDO'S
TACOS & TEQUILA
Eat • Drink • Live

SEAL

DOUGLAS D. SIPP RA-013058X

INTERIOR RESUBMIT
ELECT, MECH JUNE 30, 2020

FLOOR PLAN: UPPER

DRAWING TITLE

DRAWING NUMBER

A-200.1

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NO.	REVISION	DATE
2		
1	REVS PER K.SCOTT BP-2019-03855 9/11/2019	6/26/20

PLUMBING SCHEDULE NOTES:

1. ALL FIXTURING TO BE IN WHITE, CHROME (625 OR 26) OR TYPE 304 BRUSHED STAINLESS STL (630 OR 32D)FINISH.
2. PLUMBER TO SUPPLY ALL FITTINGS AND ACCESSORIES IF NOT LISTED ABOVE FOR PROPER FUNCTIONING OF UNIT.
3. PLUMBER MAY SUBMIT ALTERNATES FOR WRITTEN APPROVAL BY ARCHITECT IN A TIMELY MANNER.
4. PLUMBER TO VERIFY WITH OWNER ON REFRIGERATOR 1/4" FLEX. CU WATER HOOKUP IS REQ'D FOR ICEMAKER. INSTALL AS REQ'D. PER MANUF. SPECS.
5. PLUMBER TO INSTALL ALL ITEMS AND SUPPLY ALL ACCESSORIES FOR COMPLETE INSTALLATION. COORDINATE W/ELECTRICAL CONTRACTOR ON GROUND/BONDING OF GAS PIPING PER OBC 2805.
6. ALL FIXTURING MAY NOT BE USED IN THIS PLAN, REFER TO PLAN.
7. PLUMBER TO COORDINATE W/G.C. ON ALL HC. ACCESSORIES INCLUDING UNDER SINK PROTECTION, SEE SCHEDULE.
8. GENERAL CONTRACTOR TO SUPPLY & INSTALL ALL TOILET ACCESSORIES. PLUMBING FIXTURING TO BE RESPONSIBILITY OF PLUMBER.
9. REQUIRED SERVICE SINKS (2) PER IBC, 1 PER FLOOR, SEE PLAN & SCHEDULE.
10. ALL NEW FIXTURES TO RECIEVE 3/4" CU SUPPLIES W/GATE VALVE (LOCATION PER MANUF. & OPC)
11. SEWER VENT TO BE INSTALLED PER OHIO PLUMBING CODE IN STACK VENT OR CIRCUIT VENT CONFIGURATIONS WITH NOT ALL FIXTURING REQUIRING INDIVIDUAL VENT.
12. VERIFY & CLEAN SEWER LINE AS REQ'D. CHOLINE SANITIZE ALL WATER LINES PER PLUMBING DEPARTMENT GUIDELINES.
13. 4" PVC SERVICE LATERAL TO REAR PUBLIC SANITARY SEWER MANHOLE. SLOPE 1% MIN. VERIFY IN FIELD INVERT. BACKFILL PER OEPA/ PLUMBING DEPARTMENT GUIDELINES
14. PLUMBER TO COORDINATE WITH MECH. CONTRACTOR ON CONDENSATE LINE INSTALLATION BY PLUMBER. TRAP ALL LINES, SLOPE AS REQ'D. SUPPORT ALL PVC SUSPENDED LINES MIN 3'-0" C/C

GENERAL PLUMBING NOTES:

SEE PLAN FOR APPLICABLE NOTES:

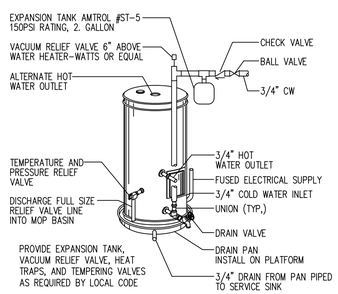
1. EXTEND CONDENSATE LINE FROM FURNACE TO SERVICE SINK OR NEARENT FLOOR DRAIN PER PLUMBING CODE.
2. PLUMBER TO EXTEND WATER HEATER RELEIF VALVE TO ADJACENT FLOOR DRAIN OR SERVICE SINK PER PLUMBING CODE.
3. PLUMBER TO PROVIDE FLOOR DRAIN TRAP PRIMERS TO ALL REQ'D PER PLUMBING CODE.
4. G.C. TO DETERMINE FINAL LOCATION OF ALL LINES AT FIXTURES & UNIT HEATERS, VERIFY IN FIELD, SEE M SERIES DWGS.
5. ALL WATER LINES TO BE TYPE "L" COPPER, MIN. 3/4" INSULATION ON ALL HOT WATER LINES.
6. UNDERGROUND SANITARY MAIN- MINIMUN PVC SCHEDULE 40 TYPE
7. NATURAL GAS PIPING TO BE SCHEDULE 40 BLACK IRON W/DUCTILE IRON BENDS
8. FIRE SEAL ALL PENETRATIONS THRU FIRE PARTITIONS
9. PROVIDE TRAP PRIMERS & VENTS TO ROOF FOR FLOOR DRAINS AS REQ'D. PER LOCAL PLUMB. CODE.
10. VERIFY EXISTING AND PROVIDE BACK FLOW PREVENTER ON WATER SERVICE PER LOCAL PLUMB. CODE, SEE SCHEDULE.
11. PROVIDE VACUUM BREAKER AT ALL SILLCOCKS, HOSE BIBBS, WALL HYDRANTS, & OTHER HOSE CONNECTIONS PER LOCAL PLUMBING CODE.
12. G.C. TO INSTSALL ALL BACKING FOR ALL HANDICAP ACCESSORIES: GRAB BARS, WALL MIRRORS AT ALL TOILETS PER ADAAG.

PLUMBING FIXTURE SCHEDULE NOT ALL FIXTURES USED- SEE PLAN FOR DESIGNATION

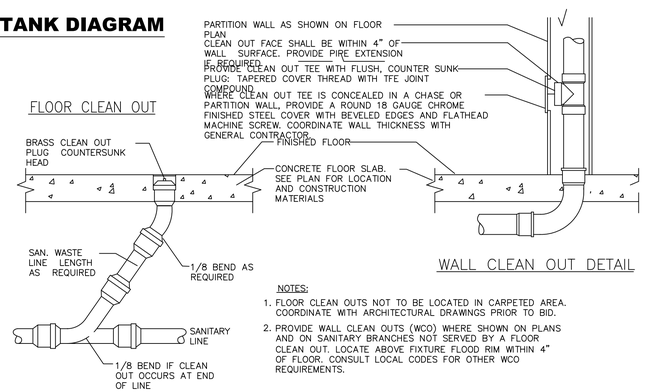
MARK	FIXTURE	MANUFACTURER / MODEL	H.W.	C.W.	WASTE	VENT	SUPPLIED	REMARKS
P-1	HANDICAP WATER CLOSET	AMERICAN STANDARD STUDIO CADET "RIGHT HT" OR EQ HANDICAP TOILET: 3005.016 14" ROUGH IN 1.6 GAL/FLUSH W/18" 10CC OLSONITE ELONGATED SEAT (WHITE)		1/2"	3"	1 1/2"	BY PLUMBER	HOLD 18" FROM SIDE WALL TO CENTER PER ADAAG. SUPPLY TRAP, RING, & JAMECO 894-00-3 WATER SHUTOFF
P-1A	STANDARD WATER CLOSET	AMERICAN STANDARD STUDIO CADET TOILET: 2579.016 14" ROUGH IN 1.6 GAL/FLUSH W/18" 10CC OLSONITE ELONGATED SEAT VERIFY WATER PRESSURE & CONNECTION SIZING		1/2"	1 1/2"	1 1/2"	BY PLUMBER	SUPPLY TRAP, RING, & JAMECO 894-00-3 WATER SHUTOFF
P-1B	HANDICAP URINAL	AMERICAN STANDARD ALLBROOK URINAL: 6550.005 TOP SPUD MOUNT 17" A.F.F. TO URINAL LIP FOR HANDICAP USE. VERIFY WATER PRESSURE & CONNECTION SIZING		1/2"	3"	1"	BY PLUMBER	SUPPLY TRAP, RING, & JAMECO OR SLOAN FLUSH VALVE WATER SHUTOFF
P-2	WALL HUNG LAVATORY	AMERICAN STANDARD LUCERNE LAVATORY HANDICAP ACCESS.: 0355.012 4" HOLE CENTERS W/DUAL HC SYMMONS SYMMETRIX S-240-LWG BLADE TYPE FAUCET SET. CONCEALED WALL HANGER	1/2"	1/2"	1 1/2"	1 1/2"	BY PLUMBER	1 1/2" 20 GA CHROME P-TRAP, STOP, SG7WC 1 1/4" GRID DRAIN W/OFFSET TAIL PIECE
P-2A	COUNTER SINK	ELKAY CELEBRITY SERIES CR2521 OR EQUAL 22"X21" SINGLE 20 GA SINK W/ SINGLE HANDLE FAUCET (8" CENTERS) FOR 24" P.LAM. COUNTER COUNTER TO HAVE NO UNDERCOUNTER SKIRT TO ALLOW HC ACCESS-SEE SHT A-202	1/2"	1/2"	1 1/2"	1 1/2"		1 1/2" 20 GA CHROME P-TRAP, STOP, SG7WC 1 1/4" GRID DRAIN W/OFFSET TAIL PIECE TEMPERATURE TEMPERING CONTROL VALVE ON HOT/COLD SUPPLY TO LIMIT TO MAX 110° F PER IPC
P-5A	HOT WATER TANK	NATURAL GAS FIRED A.O. SMITH UPRIGHT PROLINE XE H.W.T W/GPVT-40 POWERVENT: 40 GAL 50,000 BTU/H PROPANE INPUT 55.9 GPH @90°F RISE, SEE DETAIL UL/ASHRAE 90.1B 4" POWERVENT TO REAR WALL EXHAUST OUTLET W/CAP/DAMPER	1"	1"	3/4" RELIEF		BY PLUMBER	RELIEF VALVE, BRASS DRAIN VALVE, AMTROL ST-5 EXPANSION TANK, AND SYMMONS 5-200 TEMPCNTRL MIXING VALVE (MAX 110F) PER IBC, SEE DETAIL THIS SHT. POWER VENT TO ROOF
P-4A	FLOOR MOP PAN 24"X24"	MUSTEE "CO-POLYPURE" FLOOR MOP SERVICE BASIN W/ SERVICE FAUCET, HOSE AND HOSE BRACKET, BUMBER GUARDS & MOP HANGER, MODEL 63/64	3/4"	3/4"	1 1/2"	1 1/2"	BY PLUMBER	SUPPLY CHROME PLATED P-TRAP, CHROME PLATED COMPRESSION ANGLE STOP, HOSE VACUUM BREAKER INSTALL 50' 3/4" FLEX HOSE REEL ABOVE
P-4B	FLOOR MOP PAN 24"X36"	MUSTEE "CO-POLYPURE" MOP FLOOR BASIN W/ SERVICE FAUCET, HOSE AND HOSE BRACKET, BUMBER GUARDS & MOP HANGER, MODEL 63/64			1 1/2"	1 1/2"	BY PLUMBER	MOUNT UNDER 3 OR 4 COMPARTMENT SINK FOR INDIRECT WASTE DISCHARGE AS PER IPC. MAINTAIN AIR GAP
P-5	SINK PROTECTION	TRU-BRO 102 UNDERSINK P-TRAP/VALVE PROTECTION KIT ON ALL EXPOSED LAVATORIES.	1/2"	1/2"	1 1/2"	1 1/2"	BY PLUMBER	INSTALLED ON ALL EXPOSED P-TRAPS @SINKS BY PLUMBING CONTACTOR. EXISTING VANITIES NO WORK
P-6	HOSE BIB	EXTERIOR FROST FREE HOSE BIB W/KEYED HANDLE FOR RESTRICTED USE: SMITH 5609-QT WALL HYDRANT ELEV. 36" A.F.F., FINAL LOCATION BY ARCHITECT, SEE PLAN		1/2"			BY PLUMBER	INSTALLED ON FRONT LEFT OF ENTRY AND REAR LEFT OF CONNECTOR AT BLDG EXT. FOR GENERAL USE
P-7	GREASE INTERCEPTOR	25 LB CAPACITY ABOVE FLOOR TANK W/STEEL DIAMOND PLATE BOLT DOWN COVER & TANSLUCENT SIDES FOR INSPECTION FLOW RATE CONTROLLED AT MAXIMUM 12 G.P.M. AS PER IPC 1003.3.4.1. ANTICIPATED RATE AT 7.5 GPM AS EXPERIENCED AT PREVIOUS 5 GUYS FACILITIES			2"	2"	BY PLUMBER	MOUNT & PLUMB BELOW 3 COMPARTMENT SINK AS PER MANUFACTURER & IPC CLEAN OUT PROCEDURES AS PER MANUFACTURER. COLLECTED EFFLUENT DEPOSITED IN CLIENT EXT. GREASE DUMPSTER
P-8	FLOOR DRAIN	J.R. SMITH 2210-Y CAST IRON W/SEDIMENT BUCKET & STRAINER & TRAP PER IPC 2005			4"		BY PLUMBER	NO HUB, 3/4" TRAP PRIMER AT ALL NON VISIBLE LOCATIONS, SEE PLAN FOR DESIGNATIONS NO HUB
P-9	FLOOR SINK	8"X8"X5 3/4" DEEP J.R. SMITH FD2378 CAST IRON FLOOR SINK W/ METAL GRATE BOLT DOWN COVER			4"		BY PLUMBER	
P-10	3 COMPARTMENT SINK CLEAN/SANITIZE	STAINLESS STEEL SINK W/ SIDE SPLASH & ABOVE FLR 40LB GREASE TRAP	1/2"	1/2"	3"	1 1/2"	BY PLUMBER	1 1/2" 20 GA CHROME P-TRAPS, STOP, SG7WC 1 1/4" GRID DRAIN W/OFFSET TAIL PIECE
P-11	1 COMPARTMENT SINK VEGGIE PREPARATION	CENTRAL REST. FC-2-18-18-18 R STAINLESS STEEL VEG. SINK W/ RIGHT SIDE SPLASH.	1/2"	1/2"	3"	1 1/2"	BY PLUMBER	1 1/2" 20 GA CHROME P-TRAPS, STOP, SG7WC 1 1/4" GRID DRAIN W/OFFSET TAIL PIECE NO P-TRAP, DICHARGE TO INDIREVT FLOOR SINK CONNECTION (P-9)
P-12	HAND WASH SINK	S.STL 16"X16" HAND SINK W/SIDE SPLASH GUARDS. 4" HOLE CENTERS W/DUAL HC SYMMONS SYMMETRIX S-240-LWG BLADE TYPE FAUCET SET. SEE SINK PROTECTION KIT BELOW.	1/2"	1/2"	1 1/2"	1 1/2"	BY PLUMBER	1 1/2" 20 GA CHROME P-TRAP, STOP, SG7WC 1 1/4" GRID DRAIN W/OFFSET TAIL PIECE
P-13	WATER FILTRATION SYS	MULTI STAGE WATER FILTRATION SYS	3/4"				BY PLUMBER	SEE DETAIL ON SHT P-201, FINAL LAYOUT PER MANUF SPECS. LABEL ALL CONNECTIONS

NOTE: PLUMBER MAY SUPPLY ALTERNATE EQUIVALENT ITEMS TO ABOVE SCHEDULE. SUBMIT CATALOG CUTS FOR APPROVAL BY ARCHITECT.

SCHEDULED PIPING SIZE MINIMUM PER IPC. SEE PLAN



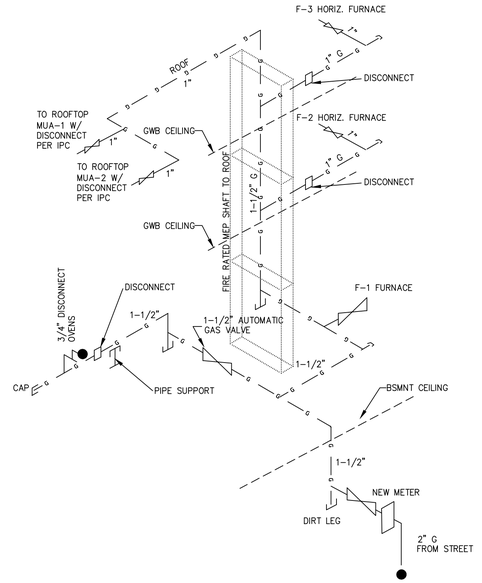
HOT WATER TANK DIAGRAM
SCALE: NONE



NOTES:

1. FLOOR CLEAN OUTS NOT TO BE LOCATED IN CARPETED AREA. COORDINATE WITH ARCHITECTURAL DRAWINGS PRIOR TO BID.
2. PROVIDE WALL CLEAN OUTS (WCO) WHERE SHOWN ON PLANS AND ON SANITARY BRANCHES NOT SERVED BY A FLOOR CLEAN OUT. LOCATE ABOVE FIXTURE FLOOD RIM WITHIN 4" OF FLOOR. CONSULT LOCAL CODES FOR OTHER WCO REQUIREMENTS.

SANITARY CLEAN OUT DETAILS
SCALE: NONE



GAS ISOMETRIC
SCALE: NONE

NORTH

PLUMBING KEY:

COLD WATER
HOT WATER
SEWER
GAS

SIPP TEPE LLC ARCHITECTS
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GORDO'S TACOS & TEQUILA Est • Drink • Live

SEAL
REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA DOUGLAS A. SIPP RA-013008-X

INTERIOR RESUBMIT ELECT, MECH JUNE 30, 2020

PLUMBING SCHEDULES AND DETAILS

DRAWING TITLE
DRAWING NUMBER

P-202

ESTABLISHED- 1997

NO.	REVISION	DATE
1	REVS PER K.SCOTT BP-2019-03855 9/11/2019	9/13/20

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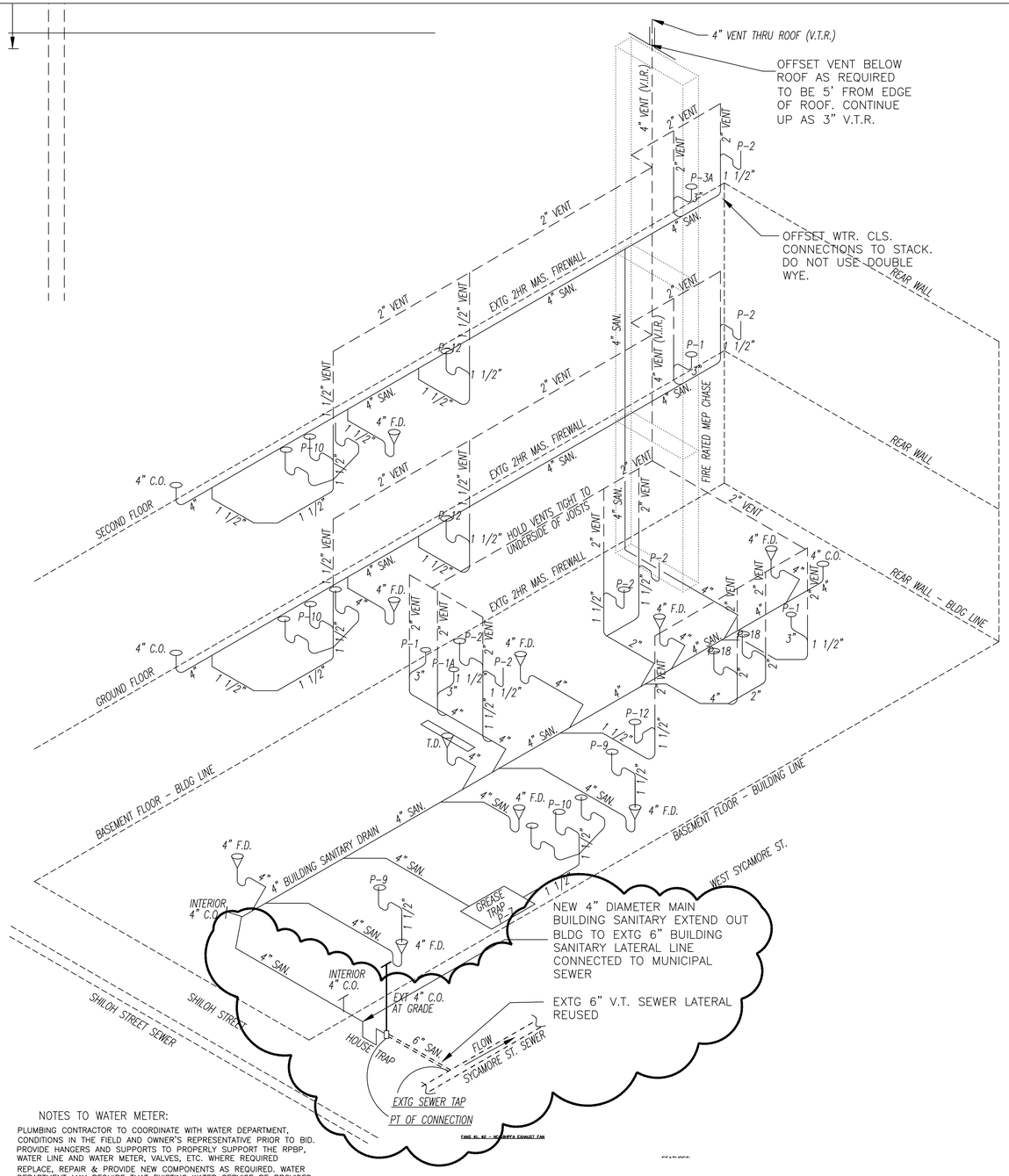
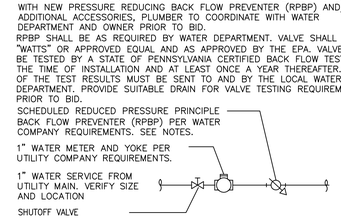


NOTES TO WATER METER:

PLUMBING CONTRACTOR TO COORDINATE WITH WATER DEPARTMENT, CONDITIONS IN THE FIELD AND OWNER'S REPRESENTATIVE PRIOR TO BID. PROVIDE HANGERS AND SUPPORTS TO PROPERLY SUPPORT THE RPBP, WATER LINE AND WATER METER, VALVES, ETC. WHERE REQUIRED

REPLACE, REPAIR & PROVIDE NEW COMPONENTS AS REQUIRED. WATER DEPARTMENT MAY REQUIRE THAT EXISTING WATER SERVICE BE PROVIDED WITH NEW PRESSURE REDUCING BACK FLOW PREVENTER (RPBP) AND/OR ADDITIONAL ACCESSORIES, PLUMBER TO COORDINATE WITH WATER DEPARTMENT AND OWNER PRIOR TO BID.

RPBP SHALL BE AS REQUIRED BY WATER DEPARTMENT. VALVE SHALL BE "WATTS" OR APPROVED EQUAL AND AS APPROVED BY THE EPA. VALVE MUST BE TESTED BY A STATE OF PENNSYLVANIA CERTIFIED BACK FLOW TESTER AT THE TIME OF INSTALLATION AND AT LEAST ONCE A YEAR THEREAFTER. A COPY OF THE TEST RESULTS MUST BE SENT TO AND BY THE LOCAL WATER DEPARTMENT. PROVIDE SUITABLE DRAIN FOR VALVE TESTING REQUIREMENTS PRIOR TO BID.



1" DOMESTIC WATER LINE, RUN TO NEW FIXTURES WHILE MAINTAINING ADEQUATE FLOW TO FIXTURES.

WATER METER DETAIL: EXTG SERVICE

SCALE: NONE

SEWER/GREASE ISOMETRIC

SCALE: NONE

NORTH

NOTES:
INTERIOR SLOPE OF SEWER: MIN 1/8" PER FOOT, U.N.O.
EXTERIOR SLOPE OF SEWER: MIN 1/4" PER FOOT

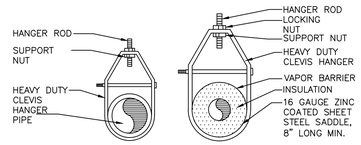
VENTING SIZE AND SLOPE PER OPC 910.4 & 911.3.

F.D.: FLOOR DRAIN
T.D.: TRENCH DRAIN, SEE SCHEDULE
C.O.: CLEAN OUT, FLOOR OR WALL

PLUMBING KEY:

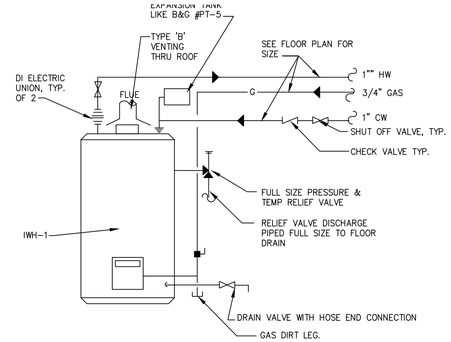
COLD WATER
HOT WATER
SEWER
GAS

HANGER ROD SCHEDULE			
PIPE SIZE	ROD SIZE	PIPE SIZE	ROD SIZE
UP TO 2"	3/8" DIA	4" THRU 6"	5/8" DIA.
2-1/2" TO 3"	1/2" DIA	6" THRU 12"	7/8" DIA.



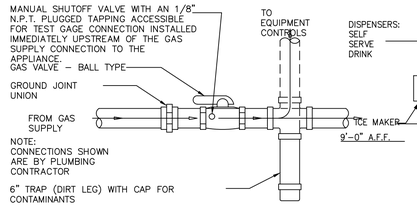
PIPE HANGING DETAILS

SCALE: NONE



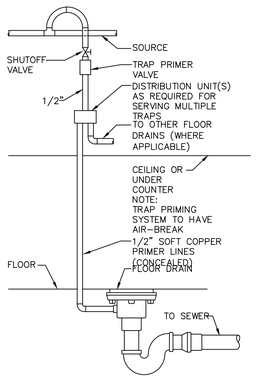
WATER HEATER SCHEMATIC

SCALE: NONE



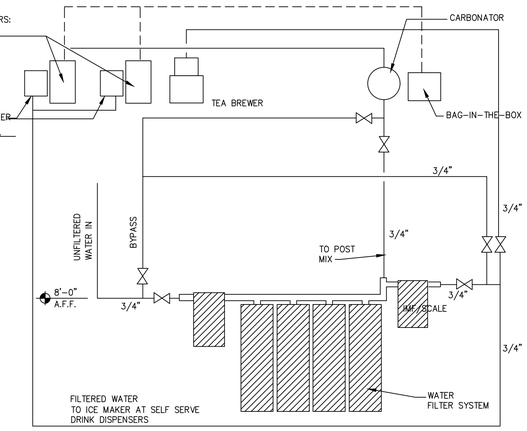
GAS CONNECTION DETAIL

SCALE: NONE



TRAP PRIMER DETAIL

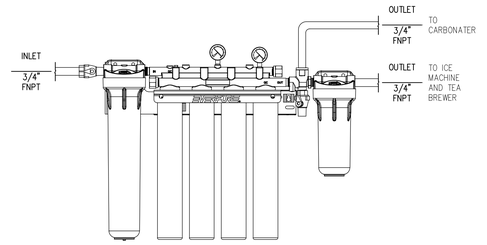
SCALE: NONE



NOTE: CONTRACTOR TO VERIFY LOCATION, SPACE ALLOCATION AND INSTALLATION DETAILS BEFORE STARTING INSTALLATION

WATER DIAGRAM

SCALE: NONE



NOTE:
¾" WATER LINE FOR SODA MACHINE TO PASS THROUGH THE COOLER BOX, COIL 50 FEET OF PIPING ON CEILING OF BOX (HANG AND SUPPORT AS REQUIRED) END AT BALL VALVE NEAR CARBONATER. SEAL PENETRATIONS THROUGH COOLER BOX, CAULK AS REQUIRED WITH NON-SHRINKABLE CAULK. ¾" WATER LINE FOR ICE MACHINE TO PASS THROUGH COOLER BOX ALSO WHEN SCOTSMAN MACHINES USED NOT HOSHIZAKI, SEE PREVIOUS NOTES. ALL PIPES PASSING THROUGHT COOLER BOXES ARE POST WATER FILTER.

WATER FILTERATION SYSTEM DETAIL

SCALE: NONE

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GORDO'S TACOS & TEQUILA Eat • Drink • Live

SEAL
REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
DOUGLAS D SIPP RA-015159

INTERIOR RESUBMIT
ELECT, MECH JUNE 30, 2020

PLUMBING ISOMETRIC

DRAWING TITLE
DRAWING NUMBER

P-203

ESTABLISHED- 1997

NO.	REVISION	DATE
2		
1	REVS PER K.SCOTT BP-2019-03855 9/11/2019	6/26/20

PLOTTER DATE STAMP:

APPENDIX F
PHMC REVIEW LETTER

Pennsylvania Historical & Museum Commission

PROJECT REVIEW FORM

Request to Initiate SHPO Consultation on State and Federal Undertakings

SHPO USE ONLY	Reviewers: CN /
DATE RECEIVED: 4/2/20	DATE DUE: 4/17/20
ER NUMBER: 2020-1236-003-A	HRSF:

REV: 03/2020

SECTION A: PROJECT NAME & LOCATION

Is this a new submittal? (•) YES ( ) NO **OR** ( ) **This is additional information for ER Number:**

Project Name: Gordo's Tacos | County: Allegheny | Municipality: City of Pittsburgh

Project Address: 131 Shiloh Road | City/State/ Zip: Pittsburgh PA 15211

SECTION B: CONTACT INFORMATION & MAILING ADDRESS

Name: Brian Chlebus, P.E. | Phone: (330) 286-3683

Company: Tetra Tech, Inc. | Fax:

Street/PO Box: 6715 Tippecanoe Road, Suite C201 | Email: brian.chlebus@tetratech.com

City/State/Zip: Canfield OH 44406 | Email cc:

SECTION C: PROJECT DESCRIPTION

This project is located on: (check all that apply) ☐ Federal property ☐ State property ☐ Municipal property ☑ Private property

List all federal and state agencies and programs providing funds, permits, licenses.

Agency Type	Agency/Program/Permit Name	Project/Permit/Tracking Number (if applicable)
State	DEP	

Proposed Work – Attach project description, scope of work, site plans, and/or drawings

Project includes (check all that apply): ☐ Construction ☐ Demolition ☑ Rehabilitation ☐ Disposition

Total acres of project area: 0.058 | Total acres of earth disturbance: N/A

Are there any buildings or structures within the project area? (•) Yes ( ) No | Approximate age of buildings: circa. 100 yrs

Does this project involve properties listed in or eligible for the National Register of Historic Places, or locally designated? Inventory here: https://gis.penndot.gov/crgis

Yes	No	Unsure
( )	(•)	( )

Name _____

Key Number _____

Please email this form and pdf attachments to:
RA-PH-PASHPO-ER@pa.gov

Or, please print and mail completed form and all attachments to:

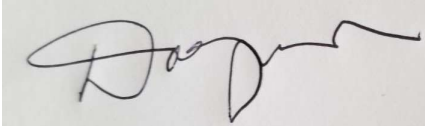
PHMC- PA State Historic Preservation Office
400 North Street
Commonwealth Keystone Building, 2nd Floor
Harrisburg, PA 17120-0093

Attachments – Please include the following information with this form

- ☑ **Map –** 7.5' USGS quad, streetmap, or parcel map showing the project's Area of Potential Effect
- ☑ **Description/Scope of Work–** Narrative description of the project, including any ground disturbance and previous land use, and any potential to impact historic resources
- ☑ **Site Plans/Drawings –** Indicate location and age of buildings, any proposed improvements, and past and present land use
- ☑ **Photographs –** Digital photographs of all buildings and structures on the project site, keyed to a site plan. For projects affecting buildings older than 50 years old use the Abbreviated HRSF

SHPO DETERMINATION (SHPO USE ONLY)

- ☐ There are **NO HISTORIC PROPERTIES** in the Area of Potential Effect
- ☑ The project will have **NO EFFECT** on historic properties
- ☐ The project will have **NO ADVERSE EFFECTS** on historic properties: _____ Key# _____
- ☐ The project will have **NO ADVERSE EFFECTS WITH CONDITIONS** (see attached)
- ☐ **SHPO REQUESTS ADDITIONAL INFORMATION** (see attached)

DIVISION CHIEF, ENVIRONMENTAL REVIEW:  **DATE:** 4/7/20

SHPO REVIEWER: CN

Tetra Tech, Inc.
6715 Tippecanoe Road
Suite C201
Canfield, OH 44406

Tel: (330) 286-3683
Fax: (330) 286-3573

Tetra Tech, Inc

LETTER OF TRANSMITTAL

DATE: 04/02/20	**JOB NO.:** 212C-CF-00303
FROM: Brian Chlebus, P.E.	
RE: Gordo's Tacos	

TO: PHMC
State Historic Preservation Office
400 North Street
Commonwealth Keystone Building, 2nd Floor
Harrisburg, PA 17120-0093

WE ARE SENDING YOU **[x] Attached** [ ] Under separate cover via _____ the following items:

[ ] Shop drawings [ ] Prints [ ] Plans [ ] Samples [ ] Specifications

[ ] Copy of letter [ ] Change order [ ] _____

COPIES	DATE	DESCRIPTION
1	3/28/20	SHPO Project Review Form package

THESE ARE TRANSMITTED as checked below:

[ ] For approval [ ] Approved as submitted [ ] Resubmit ___ copies for approval

[ ] For your use [ ] Approved as noted [ ] Submit ____ copies for distribution

[ ] As requested [ ] Returned for corrections [ ] Return ____ corrected prints

[x] For review [ ]

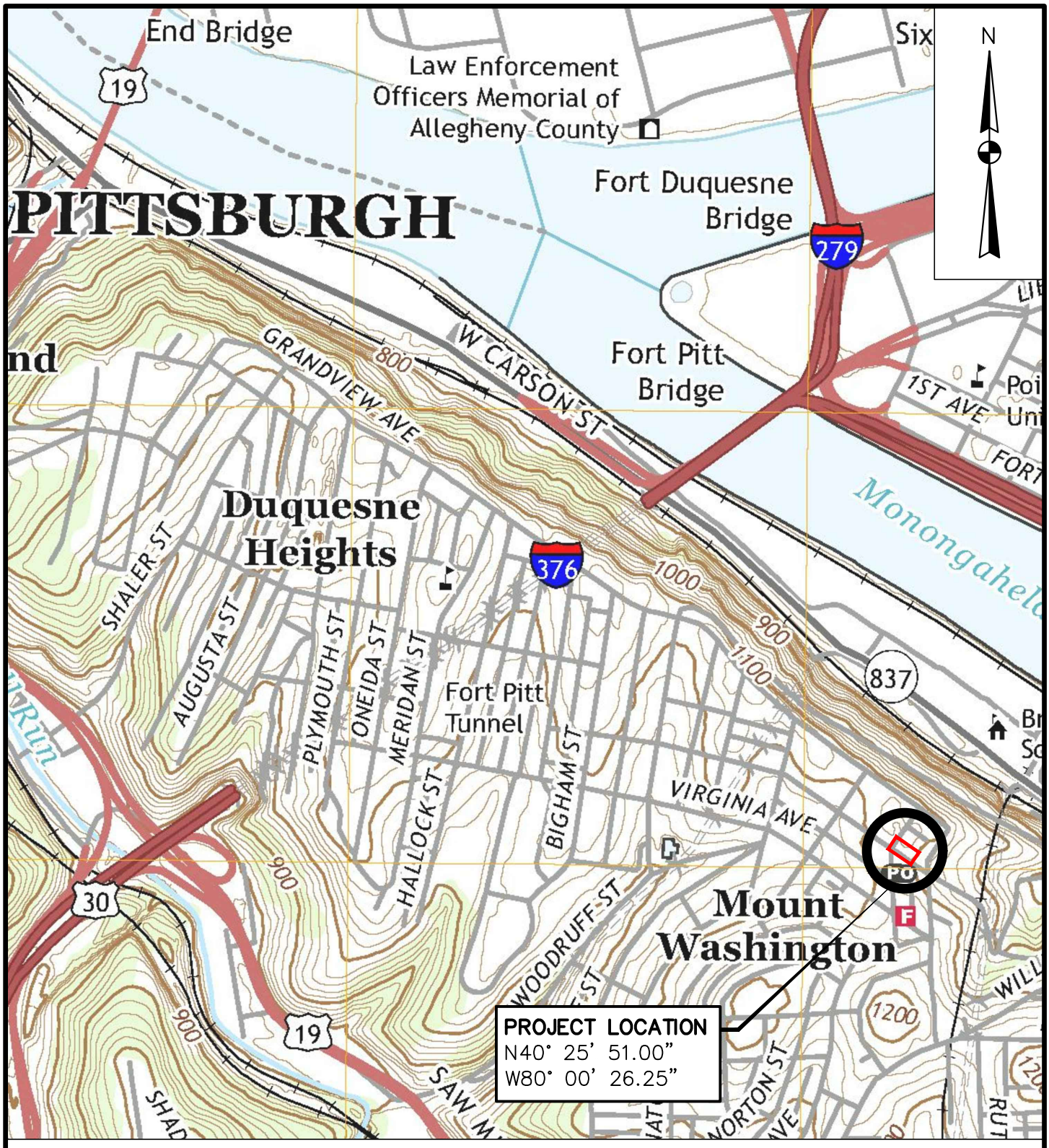
REMARKS:

On behalf of Gordo's Tacos, Tetra Tech, Inc. (Tt) is submitting the enclosed information for review. Feel free to contact me with questions or if I may be of further assistance.

Thank you,

TETRA TECH, INC.

Brian Chlebus, P.E.
Civil Engineer



PITTSBURGH WEST, PA 7.5 MINUTE QUADRANGLE, 2019

TETRA TECH
WWW.TETRATECH.COM
6715 TIPPECANOE ROAD – SUITE C201
CANFIELD, OH 44406
T: (330) 286-3683 | F: (330) 286-3573

GORDO'S TACOS
CITY OF PITTSBURGH, ALLEGHENY COUNTY

LOCATION MAP

DATE:	03/17/2020
PROJECT NO.:	212C-CF-00303
DRAWN BY:	BC
CHECKED BY:	GH
SCALE:	AS SHOWN
SHEET:	1 OF 1

GORDO'S TACOS
131 SHILOH STREET – MT. WASHINGTON
CITY OF PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA

PURPOSE

This Pennsylvania Historical & Museum Commission (PHMC) State Historic Preservation Office (SHPO) project review request is being submitted for renovation activities proposed by Gordo's Tacos; specifically, in relation to associated planning and submission of a Sewage Facilities Planning Module to the Pennsylvania Department of Environmental Protection (PADEP).

PROJECT DESCRIPTION

Location and Dates

Gordo's Tacos is proposing renovations to a two-story brick building located at 131 Shiloh Street, Pittsburgh, PA, 15211. The building footprint is approximately 1,350 square foot and is located on a 2,569 square foot parcel. The building is estimated to be 100 years old.

Past and Present Use

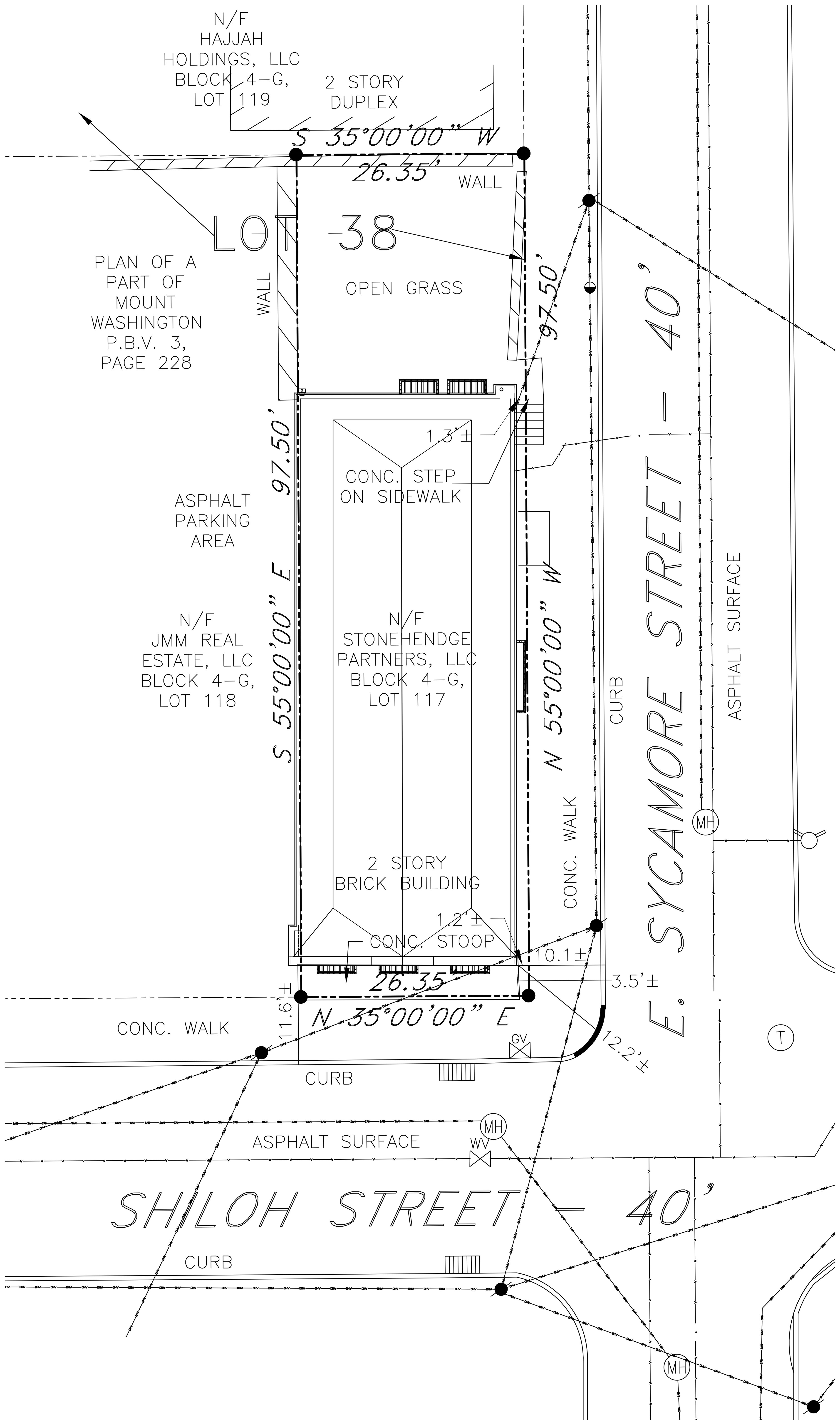
The building exists as a side-by-side duplex with a commercial use. Presently, the building is vacant. Past use of the building included occupancy of a barber shop and a tattoo parlor.

Proposed Improvements

Proposed renovations will include updating the building for occupancy of a restaurant facility with capacity to serve approximately 118 patrons. Interior renovations will include those required for the building to operate as a restaurant; which will include interior demolition (i.e., walls, fixtures, lighting, etc.) and installation of improvements including, but not limited to wall and floor treatments, lighting, fixtures, appliances, seating, etc. Exterior renovations to the building façade and entry ways is also proposed as part of the project.

Ground Disturbance

Activities resulting in ground disturbance as part of the proposed project include installation of a concrete pad a doorway on the left side of the building and installation of an accessible ramp at the front of the building. These activities will take place between the existing building and roadways. A deck and stairway will also be installed at the rear of the building. Additionally, installation of a new sewer service line may be included as part of construction resulting in excavation between the building and public sewer line existing beneath the roadway.

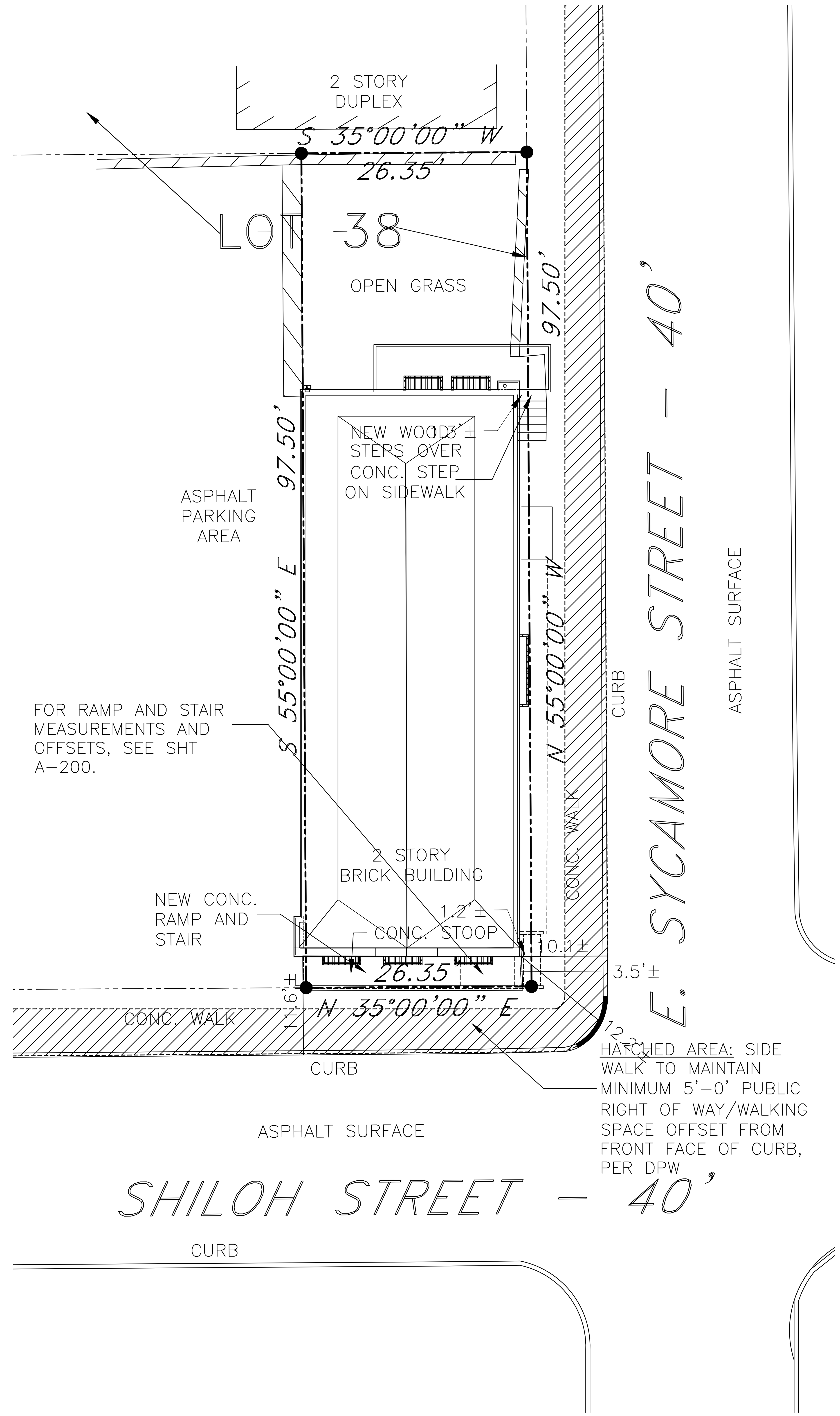


PRE-EXISTING SURVEY PLAN

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

SURVEY CONDUCTED BY GREG QUINT - RED SWING GROUP

SURVEY ISSUE DATE: 7/24/2019



NEW PROPOSED SITE PLAN

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

PLOTTER DATE STAMP:

SIPP TEPE LLC ARCHITECTS
OHIO, PENNA., W.VA.

11524 Market Street
Post Office Box 332
North Lima, Ohio 44452
Tele: 330.549.0011

Cell: 724.544.8160 (Sipp)
330.651.7543 (Tepe)
Em: starchgrub@gmail.com

A New Restaurant for:
GORDO'S TACOS
131 Shiloh Street- Mt. Washington
City Of Pittsburgh, Allegheny County, Pennsylvania 15211
Contact Person: Michael Kratsas- Project Developer 412 335 7433

PROJECT DESIGNATION: 2019_10
DRAWING FILE: 2019_10_GORDOS_TACOS_MASTER.DWG
DRAWN BY: DTEPE/DDSIPP BCOLANGELO
RELEASE DATE: April 24, 2019

PROJECT

SEAL

REGISTERED ARCHITECT PENNSYLVANIA DOUGLAS D SIPP RA-013088X

CITY OF PITTSBURGH
INTERIOR PERMIT SET - 8/1/19

PRE-EXTG SURVEY AND SITE PLAN

DRAWING TITLE

DRAWING NUMBER

A-100

NO.	REVISION	DATE
△		
△		

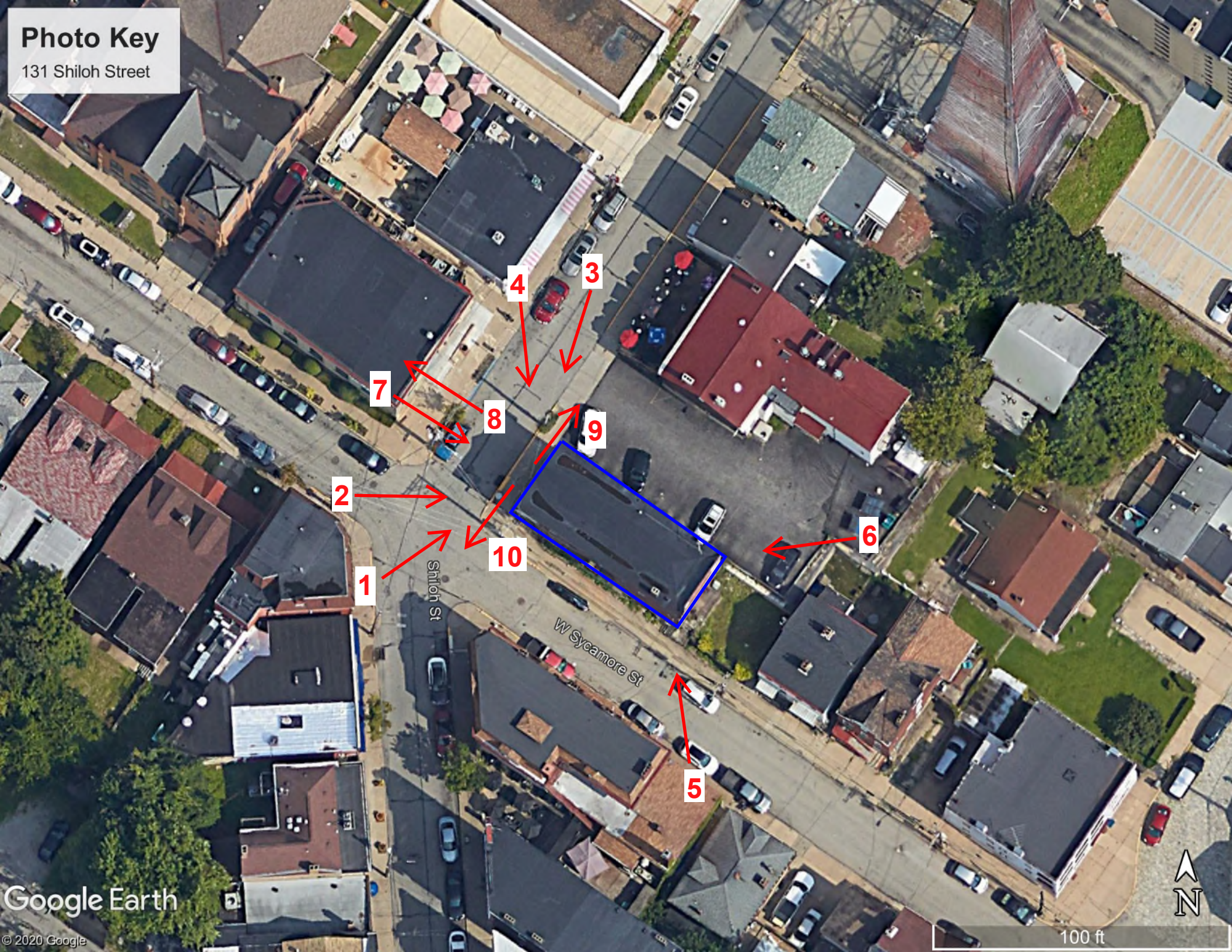


Photo Key
131 Shiloh Street
1
2
3
4
5
6
7
8
9
10
Shiloh St
W Sycamore St
Google Earth
© 2020 Google
100 ft
N

Photo 1: 131 Shiloh – Building front side + streetscape – picture facing northeast

Photo 2: 131 Shiloh – Building front and right side – picture facing east

Photo 3: 131 Shiloh – Building front side + streetscape – picture facing southwest

Photo 4: 131 Shiloh – Building front and left side – picture facing south

Photo 5: 131 Shiloh – Building rear and right side – picture facing west

Photo 6: 131 Shiloh – Building rear and left side – picture facing north

Photo 7: 131 Shiloh – Building front side – picture facing southeast

Photo 8: View directly across street from 131 Shiloh – picture facing northwest

Photo 9: View of Shiloh Street left of building – picture facing northeast

Photo 10: View of Shiloh St. / Sycamore St. intersection right of building – picture facing southwest

APPENDIX G
PNDI PROJECT ENVIRONMENTAL REVIEW RECEIPT

1. PROJECT INFORMATION

Project Name: **Gordo's Tacos**
Date of Review: **3/12/2020 08:36:21 AM**
Project Category: **Development, Additions/maintenance to existing development facilities**
Project Area: **0.25 acres**
County(s): **Allegheny**
Township/Municipality(s): **PITTSBURGH**
ZIP Code: **15211**
Quadrangle Name(s): **PITTSBURGH WEST**
Watersheds HUC 8: **Lower Monongahela; Upper Ohio**
Watersheds HUC 12: **Sawmill Run; Streets Run-Monongahela River**
Decimal Degrees: **40.430770, -80.007174**
Degrees Minutes Seconds: **40° 25' 50.7712" N, 80° 0' 25.8258" 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.

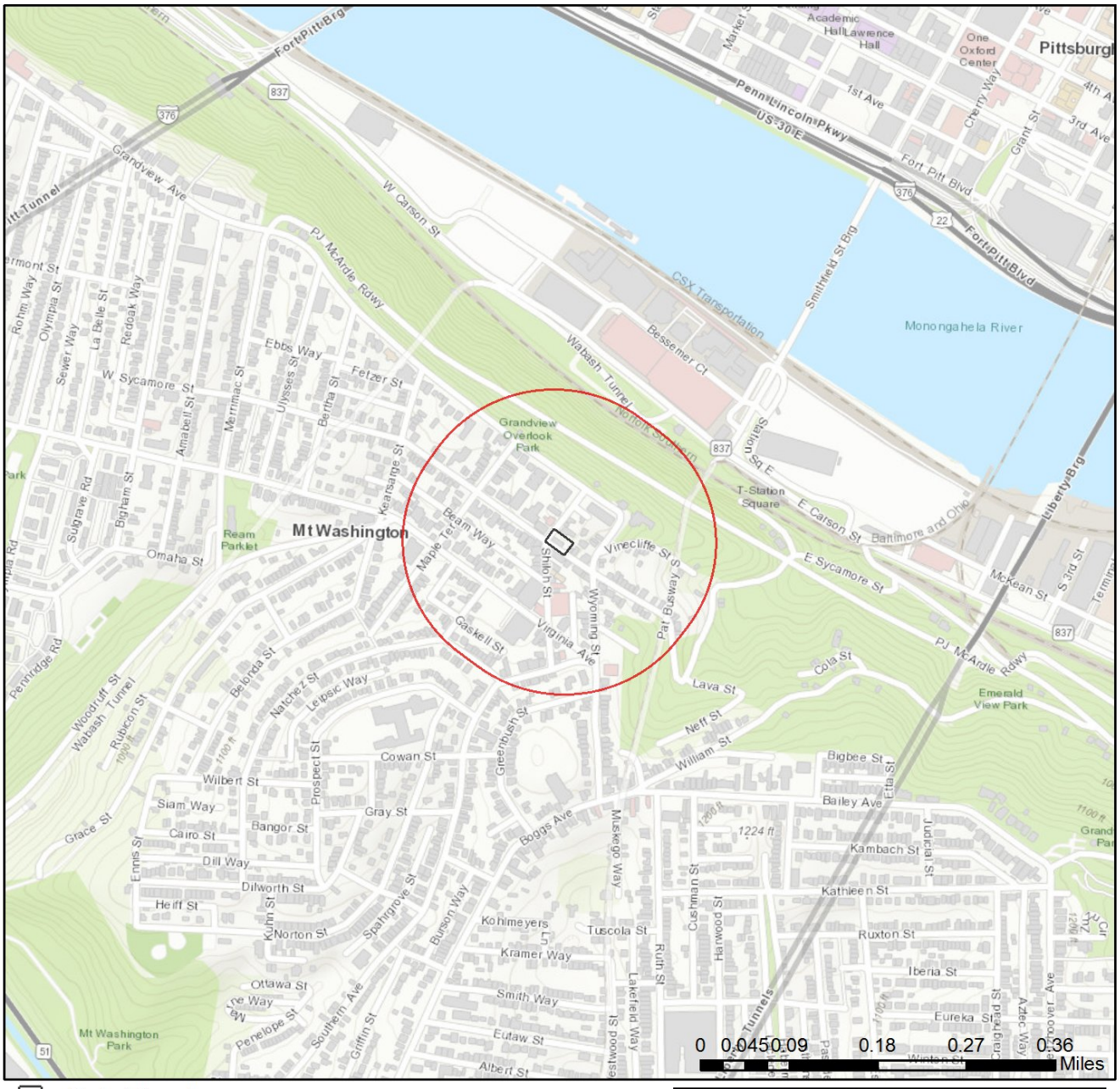
Gordo's Tacos

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

Gordo's Tacos



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
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS,

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 jursidictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

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

PA Department of Conservation and Natural Resources

RESPONSE:

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

PA Fish and Boat Commission

RESPONSE:

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

U.S. Fish and Wildlife Service

RESPONSE:

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

4. DEP INFORMATION

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

5. ADDITIONAL INFORMATION

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

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

6. AGENCY CONTACT INFORMATION

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

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

PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Brian Chlebus, P.E.
Company/Business Name: Tetra Tech, Inc.
Address: 6715 Tippecanoe Road, Suite C201
City, State, Zip: Canfield, OH 44406
Phone: (330) 286-3683 Fax: ( )
Email: brian.chlebus@tetratech.com

8. CERTIFICATION

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

applicant/project proponent signature

March 12, 2020
date