

**SEWAGE FACILITIES PLANNING MODULE  
APPLICATION MAILER**



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

For more information, visit DEP's website at  
[www.depweb.state.pa.us](http://www.depweb.state.pa.us), keyword: Act 537.

## INSTRUCTIONS FOR COMPLETING SEWAGE FACILITIES PLANNING MODULE APPLICATION MAILER

(remove before sending mailer to the approving agency (the Department of Environmental Protection (DEP) or delegated local agency))

Please read the following instructions carefully before completing the application mailer. This information will be used to determine if sewage facilities planning is necessary for your project, and, if it is, which forms are appropriate.

Act 537 Sewage Facilities' planning is the duty of local municipalities. The responsibility of meeting the sewage disposal needs of the municipality rests with the municipality. Each municipality is required to have an Act 537 Official Sewage Facilities Plan to adequately address these needs. Adoption by resolution of a planning module is the vehicle for legally amending the municipality's Official Plan. It is imperative that the municipality receives all of the information required in order to make informed decisions.

Upon completion, submit this Mailer / Application form to the approving agency (DEP or delegated local agency). Additionally, provide a copy of the completed form to the County Health Department having jurisdiction over the area in which the proposed project is located.

Unless your project qualifies for one of the planning exemptions provided in Act 537, a package of sewage facilities planning forms appropriate for the project will be sent to the return address indicated on the mailer, or instructions for obtaining the appropriate forms from DEP's website ([www.depweb.state.pa.us](http://www.depweb.state.pa.us)) will be issued. Each form includes detailed instructions that explain the use of the form and how to complete it. The package of completed forms and its supporting documentation is called a **sewage facilities planning module**, or "planning module." Once the planning module is complete, it must be submitted to the municipality in which the project is located for review and, if acceptable, adoption.

After adoption by the municipality, complete planning modules are submitted to either DEP or, if appropriate, to the delegated agency for review and final action. Some municipalities (or groups of municipalities working together) have requested and received DEP approval to review and take final action on planning modules. These are known as **delegated agencies**. To find out if your project is located in an area served by a delegated agency, contact the municipality or DEP's regional office serving your area.

Please note that both DEP and delegated agencies are required by law to charge fees for the review of planning modules. The fees DEP must charge are set by law in Act 537, while delegated agencies may set fees which can be the same or different from those in Act 537. For more information on review fees for your particular project, see the planning module documents or contact the approving agency (DEP or delegated agency) serving the area of your project.

NOTE: DEP will provide all planning module forms, however, if your project is a **minor subdivision** (defined as a subdivision of 10 lots or less, intended for single family residential homes served by individual onlot sewage disposal systems) you may also contact the municipality in which your project is located for a "Component 1" minor subdivision planning module form.

1. Print the name of the proposed development and name, address, telephone number and email address of the person who is proposing the project. If planning module components are to be sent to a different person or address, include this information on the front of the mailer in the return address block.
2.
  - a. Enter the county in which the project is located.
  - b. Enter the municipality in which the project is located.
  - c. Enter the road or address (if available) or street coordinates (example - west side of T-235, 1 mile south of intersection of Rt 15 and T-235).
  - d. Enter the appropriate tax parcel identification number (if available) of the parcel proposed for subdivision.
  - e. Enter the name of the U.S. Geological Survey (USGS) 7.5-minute quadrangle map which contains the project area, and the location of the project area on that map in inches up and over from the lower right corner of the map to the approximate center of the project. (Example - Centerville West quad, 7 inches up and 2.5 inches over from lower right corner of map.) Alternatively, include an original or a copy of the USGS quad map with the project area outlined on it.
  - f. If the proposed project is located within a special protection watershed, (i.e., watersheds with a stream classification of High Quality or Exceptional Value), check "yes." If not located in special protection watershed, check "no."
3. Check the box that best describes the intended use of the proposed land development project. **Residential** refers to single-family lots. **Multi-residential** includes apartments, condos, etc. **Commercial** includes retail centers, office parks, industrial development, etc. **Institutional** refers to schools, hospitals and the like. **Brownfield Site**

Redevelopment refers to projects proposing to recycle land. Some developments will involve more than one type of use, or will not fit comfortably into any of the classifications given. If this is the case, choose more than one category or explain under **Other**.

4.
  - a. Enter the number of single family residential lots or Equivalent Dwelling Units (EDUs) proposed. An EDU is defined as that part of a multi-family dwelling or nonresidential project with flows equal to 400 gallons per day (gpd) (the assumed flow, for planning purposes, of a single family residential lot). To determine the number of EDUs, divide the proposed sewage flow of the project by 400 gpd.
  - b. Enter the total number of lots created from this parcel of land since May 15, 1972, including the lots being proposed at this time. (Onlot disposal proposals only.)
  - c. Enter the total project acreage and the acreage of any remaining land (land not proposed for development but under the same ownership and adjacent to the project area).
5. Enter the proposed total sewage flow from the project in gpd. See Title 25 of the Pennsylvania Code, Chapter 73, Section 73.17, ([www.pacode.com](http://www.pacode.com)), or DEP's *Domestic Wastewater Facilities Manual*, DEP ID: 362-0300-001 available on DEP's website at [www.depweb.state.pa.us](http://www.depweb.state.pa.us), keyword: wastewater.
6. Choose the category (a, b, c or d) that describes the method of sewage disposal planned to serve the project and enter the information requested. Since this information could have an effect on the planning requirements for your project, be as accurate as possible. If more than one method of sewage disposal is planned, or if an interim method is planned, indicate it here.
  - a. Sewerage System

If an existing system is being extended to serve the proposed project, or if lots are to connect directly to an existing sewage collection system, check all boxes that describe the project. Write in the names of the existing collection systems that will be used, the interceptor sewer which will be used for conveyance and the treatment facility where the sewage flows will be treated. Include the National Pollutant Elimination Discharge System (NPDES) permit number for the treatment facility, where applicable.
  - b. Construction of Sewerage Treatment Facility (with stream discharge or with spray irrigation as final disposal option)

Check the box corresponding to the chosen final disposal option (stream discharge or spray irrigation field). This category does **NOT** include individual residence spray irrigation systems (IRSIS) which are considered onlot sewage disposal systems ((c), below). For stream discharges, name the receiving waterbody. If the proposed facility is intended to replace an existing, malfunctioning onlot system, check the box marked "repair."
  - c. Onlot Sewage Disposal Systems (individual, community, or large-volume)

Check the box corresponding to the type of onlot sewage disposal systems proposed to serve the project. An **individual onlot sewage disposal system** is a system of piping, tanks or other facilities used for collecting, treating and disposing of sewage into a subsurface absorption area. This category also includes IRSIS. A **community onlot system** is a facility either publicly or privately owned which will collect and dispose of sewage from two or more lots or EDUs into a subsurface absorption area. A **large-volume onlot system** is an individual or community onlot system which is designed to treat flows in excess of 10,000 gpd.

The approving agency must be notified at least 10 days in advance of all soil testing activities (including those related to planning exemption requests - see 7(b)(5)(v)), so that its staff have the option of observing the tests.
  - d. Retaining Tanks (holding tanks or privies)

If retaining tanks are proposed as the method of sewage disposal, enter the number of holding tanks or privies which are proposed to serve the project.
7. Check this box if you desire to obtain your sewage facilities planning module forms from DEP's website. You will be provided with appropriate instructions, website addresses and DEP coding information in a letter rather than a package of paper forms.

## 8. Requests for Planning Exemption under the Sewage Facilities Act

You may request to be exempt from Act 537 planning requirements. Effective December 15, 1995, certain classes of subdivisions are no longer subject to the planning requirements of the Sewage Facilities Act. Completing Section 8 will help you and the approving agency determine if your project fits into one of these categories.

## a. Protection of rare, endangered or threatened species.

DEP's technical guidance document "Policy for Pennsylvania Natural Diversity Inventory (PNDI) Coordination During Permit Review and Evaluation," (400-0200-001) requires DEP to ensure that requests for authorizations, are coordinated with the Department of Conservation and Natural Resources' (DCNR) Pennsylvania Natural Diversity Inventory (PNDI).

Conducting a search of the PNDI database and providing a copy of a "PNDI Project Environmental Review Receipt" for the proposed project and, if potential impacts are identified by the search, clearance or recommendation letters from the jurisdictional agency responsible for the particular species identified by a search, satisfies this requirement.

To avoid project delay, self-explanatory, self-conducted "PNDI Project Planning Environmental Review" searches are initiated at [www.naturalheritage.state.pa.us](http://www.naturalheritage.state.pa.us). This interactive, online search will ask questions about the proposed project and provide the appropriate receipt, instructions or additional information regarding coordination with jurisdictional agencies.

As an alternative to the self-conducted search, project sponsors may request DEP staff to conduct the search by providing a completed "PNDI Project Planning & Environmental Review Form" (PNDI Form). The form is available at [www.naturalheritage.state.pa.us](http://www.naturalheritage.state.pa.us). Individuals making this request should be aware that, due to the nature of the search software, DEP staff may need to contact them for additional information to successfully complete the search and that exclusive of any other items, their sewage planning exemption request is considered incomplete by DEP, until the appropriate receipt, clearance or recommendation letters are received.

For more information, see the "Policy for Pennsylvania Natural Diversity Inventory (PNDI) Coordination During Permit Review and Evaluation," (400-0200-001), available online in the eLibrary at DEP's website address [www.depweb.state.pa.us](http://www.depweb.state.pa.us).

## b. Attach a plot plan for the proposed project. The plan must depict anticipated lots to be created, either estimated sewer line runs (public sewer proposals), or site suitability test locations and Site Investigation and Percolation Test Reports (onlot proposals).

## c. Projects proposing use of onlot sewage disposal systems

## (1) Information Required from the Municipality

The municipality in which the project is located (identified in Item 2.b. of the mailer) should determine if the municipality's Official Sewage Facilities Plan shows that the area planned for the project is to be served by onlot sewage disposal systems. If it is, the municipality should indicate this by having an authorized municipal official sign and date the form in the space provided. The official's name and title should be printed on the line below.

## (2) Information Required from the Municipal Sewage Enforcement Officer (SEO)

The municipality's SEO must conduct personally, observe or otherwise confirm in a manner approved by DEP, site testing on each proposed lot in the subdivision (including any remaining land) to determine that separate sites are available for both a permitted primary onlot sewage disposal system and a replacement system (to be used if the original system fails in the future). If the SEO finds that each lot has been tested properly and fulfills these criteria, the SEO must indicate this by signing and dating the form in the space provided. His/her name and certification number should be printed on the line below.

## (3) Information Required from the Applicant

The person proposing the subdivision, or his/her authorized agent, must determine if each lot in the subdivision (including the remaining land, if any) is at least one (1) acre in size. If they are, the applicant or his/her agent must indicate this by signing and dating the form in the space provided.

(4) Determinations Made by the Approving Agency

When the above listed information is received, the approving agency will determine the following:

- (a) If the geology of the project area is conducive to nitrate-nitrogen contamination of groundwater (determined from the topographic map location information); or
- (b) If elevated levels of nitrate-nitrogen are known to exist within one-quarter (1/4) mile of the proposed development (determined from agency groundwater sampling records in existence at the time of the application); or
- (c) If the area proposed for development is within an identified High Quality (HQ) or Exceptional Value (EV) watershed (determined from the topographic map location).

Following this investigation, the approving agency will render a decision on the exemption request within 10 working days of receiving the request for exemption. Both the applicant and municipality will be notified of the decision. If the request cannot be granted, the person named in the return address block will receive the proper planning module component forms (or instructions to obtain them from the DEP website) along with the notification of the decision, including the reason(s) that the request cannot be granted.

d. Projects proposing use of public sewerage facilities (i.e., ownership by municipality or authority)

(1) Information Required from the Municipality

The municipality in which the proposed project is located (identified in Item 2.b. of the mailer) will determine the following from written documentation requested and obtained by the applicant from the facility permittee. ***This documentation MUST also be sent to the approving agency (DEP or delegated local agency) for evaluation.***

- (a) Certification from the permittees of the collection, conveyance and treatment facilities proposed for use that capacity is available in these facilities to receive and treat the sewage flows from the proposed project; and
- (b) That these added flows will not cause an overload or 5-year projected overload in the facilities.

If the facilities proposed for use are owned and operated by an authority, or authorities, then attach a letter from each to the mailer.

If this written certification has been submitted by the applicant, an authorized municipal official should sign and date the form and print his/her name and title and the municipality name in the spaces provided.

NOTE: Since planning is a municipal responsibility, sewer authorities involved should make required information available but should **NOT** sign the mailer as the authorized municipal official.

(2) Determinations Made by the Approving Agency

When the above listed information is received by the approving agency, the approving agency will determine the following (from DEP records):

- (a) That the existing collection, conveyance and treatment facilities are in compliance;
- (b) That the existing facilities have no existing or 5-year projected overload;
- (c) That the municipality has a currently approved Official Sewage Facilities Plan which is being implemented; and
- (d) That the project does not propose service by facilities needing a new or modified permit from DEP under the Clean Streams Law.

Following this investigation, the approving agency will render a decision on the exemption request within 10 working days of receiving the request for exemption. Both the applicant and the municipality will be notified of the decision. If the request cannot be granted, the person named in the return address block will receive the proper planning module component forms (or instructions to obtain them from DEP's website) along with the notification of the decision, including the reason that the request cannot be granted.

If unsure of which local DEP office to contact, the following DEP regional offices will assist you in determining the appropriate local DEP office that serves your specific municipality.

If you need more information or assistance, please contact your local DEP office.

## **DEP REGIONAL OFFICES**

### **Northwest Region**

230 Chestnut St.  
Meadville, PA 16335-3481  
Main Telephone: 814-332-6945  
24-Hour Emergency: 800-373-3398

**Counties:** *Armstrong, Butler, Clarion, Crawford, Elk, Erie, Forest, Indiana, Jefferson, Lawrence, McKean, Mercer, Venango, and Warren*

### **Southwest Region**

400 Waterfront Drive  
Pittsburgh, PA 15222-4745  
Main Telephone: 412-442-4000  
24-Hour Emergency: 412-442-4000

**Counties:** *Allegheny, Beaver, Cambria, Fayette, Greene, Somerset, Washington, and Westmoreland*

### **North-central Region**

208 W. Third St., Suite 101  
Williamsport, PA 17701-6448  
Main Telephone: 570-327-3636  
24-Hour Emergency: 570-327-3636

**Counties:** *Bradford, Cameron, Clearfield, Centre, Clinton, Columbia, Lycoming, Montour, Northumberland, Potter, Snyder, Sullivan, Tioga, and Union*

### **South-central Region**

909 Elmerton Ave.  
Harrisburg, PA 17110-8200  
Main Telephone: 717-705-4700  
24-Hour Emergency: 866-825-0208

**Counties:** *Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, and York*

### **Northeast Region**

2 Public Square  
Wilkes-Barre, PA 18701-1915  
Main Telephone: 570-826-2511  
24-Hour Emergency: 570-826-2511

**Counties:** *Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne, and Wyoming*

### **Southeast Region**

2 E. Main St.  
Norristown, PA 19401-4915  
Main Telephone: 484-250-5900  
24-Hour Emergency: 484-250-5900

**Counties:** *Bucks, Chester, Delaware, Montgomery, and Philadelphia*

1. Development Information

Name of Development New Granada Square Apartments  
Developer Name CHN Housing Partners  
Address 2999 Payne Avenue, 3rd Floor, Cleveland, OH 44114  
  
Telephone # 216-574-7100  
Email dserbin@hilldistrict.org

2. Location of Development

a. County Allegheny  
b. Municipality Pittsburgh  
c. Address or Coordinates 40.444285, -79.979500  
2023-2033 Centre Avenue, Pittsburgh PA 15219  
  
d. Tax Parcel # 10-N-267, 10-N-268, 10-N-269, 10-N-270, 10-N-273,  
10-N-274, 10-N-275, 10-N-276, 10-N-278, 10-N-279, 10-N-280, 10-N-282,  
10-N-283, 10-N-289, 10-N-290  
e. USGS Quad Name Pittsburgh East Quadrangle  
inches up 12.5 over 14.6  
from bottom right corner of map.  
f. Located in a High Quality/Exceptional Value watershed?  
 Yes  No

3. Type of Development Proposed (check appropriate box)

Residential  Multi-Residential  
Describe 5-story mixed-use building with one- and two-  
bedroom apartments and ancillary parking lot  
 Commercial  Institutional  
Describe 5-story mixed-use apartment building with retail  
and restaurant space on the first floor and ancillary parking  
 Brownfield Site Redevelopment  
 Other (specify) \_\_\_\_\_

4. Size

a. # of lots 1 # of EDUs 40  
b. # of lots since 5/15/72 15  
c. Development Acreage 0.58  
d. Remaining Acreage 0.00

5. Sewage Flows 15,820 gpd

6. Proposed Sewage Disposal Method (check applicable boxes)

a.  Sewerage System  
 Existing (connection only)  New (extension)  
 Public  Private  
 Pump Station(s)/Force Main  Gravity  
Name of existing system being extended  
\_\_\_\_\_  
Interceptor Name ALCOSAN Monongahela River Interceptor  
Treatment Facility Name ALCOSAN Plant at Woods Run  
\_\_\_\_\_  
NPDES Permit # \_\_\_\_\_  
b.  Construction of Treatment Facility  
 With Stream Discharge  
 With Land Application (not including IRSIS)  
 Other  
 Repair?  
Name of waterbody where point of discharge is proposed  
(if stream discharge)  
\_\_\_\_\_

- c.  Onlot Sewage Disposal Systems (check appropriate box)  
 Individual onlot system(s) (including IRSIS)  
 Community onlot system  
 Large-Volume onlot system

- d.  Retaining tanks  
Number of Holding Tanks \_\_\_\_\_  
Number of Privies \_\_\_\_\_

7.  Request Sewage Facilities Planning Module forms in electronic format

8. Request for Planning Exemption

a. Protection of rare, endangered or threatened species  
Check one:  
 The "PNDI Project Environmental Review Receipt" is attached. or  
 A completed "PNDI Project Planning & Environmental Review Form," (PNDI Form) is attached. I request DEP staff to complete the required PNDI search for my project. I realize that my planning exemption will be considered incomplete and that the DEP processing of my planning exemption request 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 \_\_\_\_\_

- b.  Plot Plan Attached  Site Reports Attached

c. Onlot Disposal Systems

(1) I certify that the Official Plan shows this area as an onlot service area.

\_\_\_\_\_  
(Signature of Municipal Official) / Date

\_\_\_\_\_  
Name (Print) / Title

Municipality (must be same as in 2.b.) \_\_\_\_\_

Telephone # \_\_\_\_\_

(2) I certify that each lot in this subdivision has been tested and is suitable for both a primary and replacement sewage disposal system.

\_\_\_\_\_  
Signature of SEO) / Date

\_\_\_\_\_  
Name (Print) / Certification #

Telephone # \_\_\_\_\_

(3) I certify that each lot in this subdivision is at least 1 acre in size

\_\_\_\_\_  
(Signature of Project Applicant/Agent) / Date

d. Public Sewerage Service (i.e., ownership by municipality or authority)

Based upon written documentation, I certify that the facilities proposed for use have capacity and that no overload exists or is projected within 5 years. (Attach documents.)

\_\_\_\_\_  
(Signature of Municipal Official) / Date

\_\_\_\_\_  
Name (Print) / Title

Municipality (must be same as in 2.b.) \_\_\_\_\_

Telephone # \_\_\_\_\_

**Return Correspondence/Forms to:**

Mr. Jason Borne

Cosmos Technologies Inc.

700 River Avenue Suite 412

Pittsburgh, PA 15212

Email: [jborne@cosmostechnologiesinc.com](mailto:jborne@cosmostechnologiesinc.com)

Phone: 412.321.3951

**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Southwest Region

400 Waterfront Drive

Pittsburgh, PA 15222-4745

DEP USE	
<b>Components Sent</b>	
Onlot Disposal	<input type="checkbox"/>
Collection and Treatment	<input type="checkbox"/>
Planning Agency Review	<input type="checkbox"/>
Exempt from Planning	<input type="checkbox"/>
Code _____	
Date _____	

"Fold Here"





DEP Code No.  
02001-19-12

## RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

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

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

**WHEREAS** HILL CDC has proposed the development of a parcel of land identified as  
land developer

NEW GRANADA SQUARE APARTMENTS, and described in the attached Sewage Facilities Planning Module, and  
name of subdivision

proposes that such subdivision be served by: (check all that apply),  sewer tap-ins,  sewer extension,  new treatment facility,  individual onlot systems,  community onlot systems,  spray irrigation,  retaining tanks,  other, (please specify). \_\_\_\_\_

**WHEREAS**, PITTSBURGH finds that the subdivision described in the attached  
municipality

Sewage Facilities Planning Module conforms to applicable sewage related zoning and other sewage related municipal ordinances and plans, and to a comprehensive program of pollution control and water quality management.

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

I \_\_\_\_\_, Secretary, \_\_\_\_\_  
(Signature)

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

Municipal Address:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Seal of  
Governing Body

Telephone \_\_\_\_\_



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 #
02001-20-102	76778	379960		

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 New Granada Square Apartments

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2. Brief Project Description Construction of 5-story mixed-use apartment building with retail and restaurant space on the first floor and an ancillary parking lot.

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

Municipality Name	County	City	Boro	Twp
Pittsburgh	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Pre	Brenda			
Additional Individual Last Name	First Name	MI	Suffix	Title

Municipality Mailing Address Line 1	Mailing Address Line 2		
414 Grant St			
Address Last Line -- City	State	ZIP+4	
Pittsburgh	PA	15219	
Area Code + Phone + Ext.	FAX (optional)	Email (optional)	
412-255-2138		brenda.pree@pittsburghpa.gov	

**C. SITE INFORMATION** (See Section C of instructions)

**Site (Land Development or Project) Name**

New Granada Square Apartments

Site Location Line 1

2023-2033 Centre Avenue

Site Location Line 2

Site Location Last Line -- City

Pittsburgh

State

PA

ZIP+4

15219

Latitude

40.444285

Longitude

-79.979500

Detailed Written Directions to Site 1 mile northeast of PPG Paints Arena along Centre Avenue.

Description of Site 0.58-acre vacant plot of land that will be used to construct a mixed-use building with apartments, retail space, and a restaurant.

**Site Contact (Developer/Owner)**

Last Name

Serbin

First Name

David

MI

Suffix

Phone

412-414-6632

Ext.

--

Site Contact Title

Project Owner

FAX

Site Contact Firm (if none, leave blank)

Hill Community Development Corporation

Email

dserbin@hilldistrict.org

Mailing Address Line 1

2015 Centre Avenue

Mailing Address Line 2

2<sup>nd</sup> Floor

Mailing Address Last Line -- City

Pittsburgh

State

PA

ZIP+4

15219

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

Last Name

Borne

First Name

Jason

MI

Suffix

Title

Lead Senior Civil Engineer

Consulting Firm Name

Cosmos Technologies Inc.

Mailing Address Line 1

700 River Ave

Mailing Address Line 2

Suite 412

Address Last Line -- City

Pittsburgh

State

PA

ZIP+4

15212

Country

United States

Email

jborne@cosmostechnologiesinc.com

Area Code + Phone

412-321-3951

Ext.

413

Area Code + FAX

**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 40

Connections 1

Name of:

existing collection or conveyance system Centre Avenue - 42" RCP

owner PWSA

existing interceptor ALCOSAN Monongahela River Interceptor

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 Plant at Woods Run

NPDES Permit Number for existing facility PA0025984

Clean Streams Law Permit Number \_\_\_\_\_

Location of discharge point for a new facility. Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

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

As an authorized representative of the permittee, I confirm that the \_\_\_\_\_  
(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 \_\_\_\_\_

Name of Responsible Agent \_\_\_\_\_

Agent Signature \_\_\_\_\_ Date \_\_\_\_\_

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

Applicant or Consultant Initials \_\_\_\_\_.

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

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

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

**1. Waters designated for Special Protection**

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

**2. Pennsylvania Waters Designated As Impaired**

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

**3. Interstate and International Waters**

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

**4. Tributaries To The Chesapeake Bay**

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

Name of Permittee Agency, Authority, Municipality \_\_\_\_\_

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

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

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

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

1. Project Flows 15,820 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

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

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
<b>Collection</b>	29495764	103235174	3666924	12834235	3855017	13492558
<b>Conveyance</b>	29495764	103235174	3666924	12834235	3855017	13492558
<b>Treatment</b>	29495764	103235174	3666924	12834235	3855017	13492558

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.  YES  NO 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 \_\_\_\_\_

Agent Signature \_\_\_\_\_ Date \_\_\_\_\_

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

c. Conveyance System

Name of Agency, Authority, Municipality PWSA

Name of Responsible Agent \_\_\_\_\_

Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

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 \_\_\_\_\_

Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

**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 15820 gpd

Yes No

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

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

**(For completion by non-municipal facility agent)**

4. Collection and Conveyance Facilities

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

Yes No

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

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

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

- b. Collection System

Name of Responsible Organization \_\_\_\_\_

Name of Responsible Agent \_\_\_\_\_

Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

- c. Conveyance System

Name of Responsible Organization \_\_\_\_\_

Name of Responsible Agent \_\_\_\_\_

Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

5. Treatment Facility

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

Yes No

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

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

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

- b. Name of Facility \_\_\_\_\_  
Name of Responsible Agent \_\_\_\_\_  
Agent Signature \_\_\_\_\_  
Date \_\_\_\_\_

**(For completion by the municipality)**

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

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

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

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

**Yes No**

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

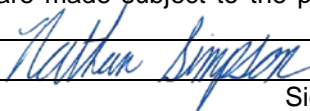
**P. PUBLIC NOTIFICATION REQUIREMENT cont'd.** (See Section P of instructions)

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

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

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

Nathan Simpson



Name (Print)

Signature

MEP Technician, Cosmos Technologies, Inc.

03/12/2020

Title

Date

700 River Ave. Suite 412, Pittsburgh PA, 15212

412-321-3951

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 \$\_\_\_\_\_ 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.

$$\# \text{_____ Lots (or EDUs)} \times \$50.00 = \$ \text{_____}$$

The fee is based upon:

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

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

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

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

$$\# \text{_____ Lots (or EDUs)} \times \$35.00 = \$ \text{_____}$$

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)



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 #
02001-20-102	76778	379960		

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 New Granada Square Apartments

---

2. Brief Project Description Construction of 5-story mixed-use apartment building with retail and restaurant space on the first floor and an ancillary parking lot.

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

Municipality Name	County	City	Boro	Twp
Pittsburgh	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Battistone	Maria			Senior Environmental Planner
Additional Individual Last Name	First Name	MI	Suffix	Title

Municipality Mailing Address Line 1	Mailing Address Line 2
Department of City Planning	200 Ross Street, Suite 4
Address Last Line -- City	State ZIP+4
Pittsburgh	PA 15219
Area Code + Phone + Ext.	FAX (optional) Email (optional)
412-255-2516	Martina.battistone@pittsburghpa.gov

**C. SITE INFORMATION** (See Section C of instructions)

**Site (Land Development or Project) Name**

New Granada Square Apartments

Site Location Line 1

2023-2033 Centre Avenue

Site Location Line 2

Site Location Last Line -- City

Pittsburgh

State

PA

ZIP+4

15219

Latitude

40.444285

Longitude

-79.979500

Detailed Written Directions to Site 1 mile northeast of PPG Paints Arena along Centre Avenue.

Description of Site 0.58-acre vacant plot of land that will be used to construct a mixed-use building with apartments, retail space, and a restaurant.

**Site Contact (Developer/Owner)**

Last Name

Serbin

First Name

David

MI

Suffix

Phone

412-414-6632

Ext.

--

Site Contact Title

Project Owner

FAX

Site Contact Firm (if none, leave blank)

Hill Community Development Corporation

Email

dserbin@hilldistrict.org

Mailing Address Line 1

2015 Centre Avenue

Mailing Address Line 2

2<sup>nd</sup> Floor

Mailing Address Last Line -- City

Pittsburgh

State

PA

ZIP+4

15219

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

Last Name

Borne

First Name

Jason

MI

Suffix

Title

Lead Senior Civil Engineer

Consulting Firm Name

Cosmos Technologies Inc.

Mailing Address Line 1

700 River Ave

Mailing Address Line 2

Suite 412

Address Last Line -- City

Pittsburgh

State

PA

ZIP+4

15212

Country

United States

Email

jborne@cosmostechnologiesinc.com

Area Code + Phone

412-321-3951

Ext.

413

Area Code + FAX

**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 40

Connections 1

Name of:

existing collection or conveyance system Centre Avenue - 42" RCP

owner PWSA

existing interceptor ALCOSAN Monongahela River Interceptor

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 Plant at Woods Run

NPDES Permit Number for existing facility PA0025984

Clean Streams Law Permit Number \_\_\_\_\_

Location of discharge point for a new facility. Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

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

As an authorized representative of the permittee, I confirm that the \_\_\_\_\_  
(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 \_\_\_\_\_

Name of Responsible Agent \_\_\_\_\_

Agent Signature \_\_\_\_\_ Date \_\_\_\_\_

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

Applicant or Consultant Initials \_\_\_\_\_.

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

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

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

**1. Waters designated for Special Protection**

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

**2. Pennsylvania Waters Designated As Impaired**

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

**3. Interstate and International Waters**

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

**4. Tributaries To The Chesapeake Bay**

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

Name of Permittee Agency, Authority, Municipality \_\_\_\_\_

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

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

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

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

1. Project Flows 15,820 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

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

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
<b>Collection</b>	29495764	103235174	3666924	12834235	3855017	13492558
<b>Conveyance</b>						
<b>Treatment</b>						

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.  YES  NO 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 \_\_\_\_\_

Agent Signature \_\_\_\_\_ Date \_\_\_\_\_

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

c. Conveyance System

Name of Agency, Authority, Municipality PWSA

Name of Responsible Agent \_\_\_\_\_

Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

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 \_\_\_\_\_

Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

**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 15820 gpd

Yes No

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

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

**(For completion by non-municipal facility agent)**

4. Collection and Conveyance Facilities

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

Yes No

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

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

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

- b. Collection System

Name of Responsible Organization \_\_\_\_\_

Name of Responsible Agent \_\_\_\_\_

Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

- c. Conveyance System

Name of Responsible Organization \_\_\_\_\_

Name of Responsible Agent \_\_\_\_\_

Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

5. Treatment Facility

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

Yes No

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

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

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

- b. Name of Facility \_\_\_\_\_  
Name of Responsible Agent \_\_\_\_\_  
Agent Signature \_\_\_\_\_  
Date \_\_\_\_\_

**(For completion by the municipality)**

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

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

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

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

**Yes No**

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

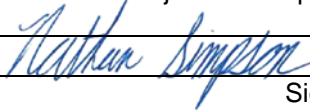
**P. PUBLIC NOTIFICATION REQUIREMENT cont'd.** (See Section P of instructions)

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

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

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

Nathan Simpson



Name (Print)

Signature

MEP Technician, Cosmos Technologies, Inc.

03/12/2020

Title

Date

700 River Ave. Suite 412, Pittsburgh PA, 15212

412-321-3951

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 \$\_\_\_\_\_ 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.

$$\# \underline{\hspace{2cm}} \text{ Lots (or EDUs) X } \$50.00 = \$ \underline{\hspace{2cm}}$$

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:

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

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

The fee is based upon:

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



## INSTRUCTIONS FOR COMPLETING COMPONENT 4A MUNICIPAL PLANNING AGENCY REVIEW

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

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### **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.

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

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#### **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.





## 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

New Granada Square Apartments

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

1. Date plan received by municipal planning agency 02/12/2020

2. Date review completed by agency 02/20/2020

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

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

**SECTION C. AGENCY REVIEW (continued)**

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	13. Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input type="checkbox"/>	14. Is this plan consistent with the municipal Official Sewage Facilities Plan? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input type="checkbox"/>	15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
<input type="checkbox"/>	<input type="checkbox"/>	16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
<input type="checkbox"/>	<input type="checkbox"/>	If yes, is the proposed waiver consistent with applicable ordinances? If no, describe the inconsistencies _____
17. Name, title and signature of planning agency staff member completing this section: Name: _____ Title: _____ Signature: _____ Date: _____ Name of Municipal Planning Agency: _____ Address _____ Telephone Number: _____		

**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.

**PROJECT NARRATIVE**  
NEW GRANADA SQUARE APARTMENTS  
CITY OF PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA

On behalf of the project owner, Granada Apartments LP, Cosmos Technologies, Inc. (Cosmos) presents this Project Narrative for the NEW GRANADA SQUARE APARTMENTS project. The site is located at 2023-2033 Centre Avenue in the City of Pittsburgh, Allegheny County, Pennsylvania. The location is bounded by Erin Street to the east, Devilliers Street to the west, Wylie Avenue to the north, and Centre Avenue to the south. This will be a newly constructed multi-use building that will consist of one- and two-bedroom apartments, retail spaces, and a restaurant.

The location is a 0.58-acre site and is made up of Allegheny County Parcels 10-N-267, 10-N-268, 10-N-269, 10-N-270, 10-N-273, 10-N-274, 10-N-275, 10-N-276, 10-N-278, 10-N-279, 10-N-280, 10-N-282, 10-N-283, 10-N-289, and 10-N-290. Currently, these parcels are vacant lots and unoccupied. The proposed building construction will include a first floor that has a lobby for the apartment buildings, multiple retail spaces, and a restaurant. Floors two (2) through five (5) will be comprised of multiple one- and two-bedroom apartments.

Sewer tap-in plans will be prepared, and the service lateral sized, according to the anticipated water consumption and resulting sanitary flow in gallons per day. Below is a chart that breaks down the expected commercial and residential water consumption/sanitary flows for the entire building:



WATER CONSUMPTION		1st Floor		2nd Floor		3rd Floor		4th Floor		5th Floor		Total (gal/d)
Feature Type	Consumption Rate <sup>(1)</sup> CR (gal/d)	Count	Flow	Count	Flow	Count	Flow	Count	Flow	Count	Flow	
		n	Q = n x CR (gal/d)	n	Q = n x CR (gal/d)	n	Q = n x CR (gal/d)	n	Q = n x CR (gal/d)	n	Q = n x CR (gal/d)	
Residential	1 BR Apartment ("Apartments: 1 Bedroom" Classification, 2nd - 5th Floors)	0	0	6	900	6	900	6	900	6	900	
	2 BR Apartment ("Apartments: 2 Bedroom" Classification, 2nd - 5th Floors)	300	0	4	1,200	4	1,200	4	1,200	4	1,200	
	Lavatory ("Stores (per public sink)" Classification, 1st Floor)	200	2 <sup>(2)</sup>	400	0	0	0	0	0	0	0	
	Water Closet ("Stores (per public toilet)" Classification, 1st Floor)	400	2	800	0	0	0	0	0	0	0	
	Fountain ("Stores (per public sink)" Classification, 1st Floor)	200	2	400	1	200	1	200	1	200	1	200
	Service Sink ("Stores (per public sink)" Classification, 1st - 5th Floors)	200	3 <sup>(3)</sup>	600	1 <sup>(4)</sup>	200	1 <sup>(4)</sup>	200	1 <sup>(4)</sup>	200	1 <sup>(4)</sup>	200
Commercial	Lavatory ("Stores (per public sink)" Classification, Retail)	200	1 <sup>(5)</sup>	200	0	0	0	0	0	0	0	
	Water Closet ("Stores (per public toilet)" Classification, Retail)	400	1 <sup>(6)</sup>	400	0	0	0	0	0	0	0	
	Fountain ("Stores (per public sink)" Classification, Retail)	200	1	200	0	0	0	0	0	0	0	
	Service Sink ("Stores (per public toilet)" Classification, Retail)	200	0	0	0	0	0	0	0	0	0	
	Restaurant ("Restaurants (Kitchen and toilet wastes per patron)" Classification)	10	282 <sup>(7)</sup>	2,820	0	0	0	0	0	0	0	
	Residential (gal/d)			2,200		2,500		2,500		2,500		2,500
Commercial (gal/d)			3,620		0		0		0		0	3,620
Total (gal/d)			5,820		2,500		2,500		2,500		2,500	15,820

Acronyms:  
per Persons  
gal Gallons  
d Day

- Notes:
- <sup>(1)</sup> Consumption rate from Table 2-1 PWSA Procedures Manual for Developers and 025 PA Code 73.17
  - <sup>(2)</sup> Assumes one (1) lavatory in "Toilet" room (105) and one (1) lavatory in "common space", drawings A-101/G-003
  - <sup>(3)</sup> Assumes one (1) service sink in "Maintenance" room (109), one (1) service sink in Janitor Closet (102A), and one (1) service sink in Common room (106), drawing A-101
  - <sup>(4)</sup> One (1) hose bibb provided in each Trash room (211, 311, 411, 511), drawings A-102 & A-103.
  - <sup>(5)</sup> Retail lavatory requirements summarized in the Minimum Plumbing Facilities table, drawing G-003.
  - <sup>(6)</sup> Retail water closet requirements summarized in the Minimum Plumbing Facilities table, drawing G-003.
  - <sup>(7)</sup> Estimated restaurant maximum occupancy is 94 patrons per Minimum Plumbing Facilities table, drawing G-003. Assume 3 restaurant turnovers in a day (282 total patrons).

Using the feature count method and referring to the water consumption estimates in Table 2-1 in the PWSA Procedure’s Manual for Developers, the resulting sanitary flow is calculated as 15,820 gpd. The corresponding number of EDUs for this development project is 40.

Cosmos performed the flow calculations for the most hydraulically restricted segment to complete the Total Sewage Flows to Facilities table in Section J of Component 3 for the Sewage Facilities Planning Module. PWSA provided Cosmos with the *Hydraulically Limited Sewer Calculation Spreadsheet* and *PWSA SFPM Instructions* on July 11, 2019 and indicated which hydraulically restricted segment to assess on August 1, 2019. We obtained the sewer segment characteristics such as the upstream invert, downstream invert, length, and slope from the *Hydraulically Limited Sewer Calculation Spreadsheet* (July 11, 2019). However, to determine the flow depth, the contractor (eholdings) obtained a field measurement on September 6, 2019, at 7:54 a.m. (letter attached from eholdings). Due to the time of measurement, the flow depth corresponds



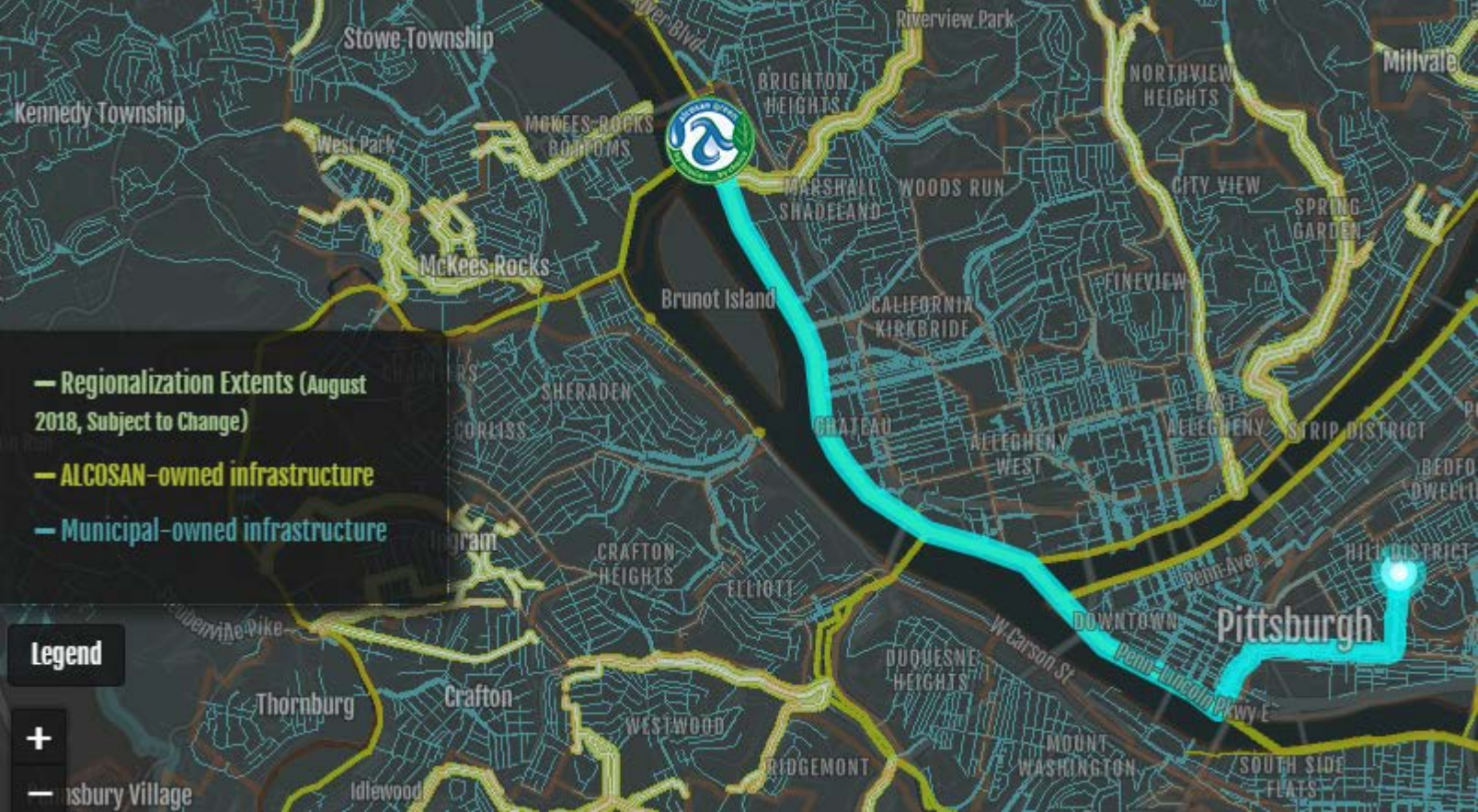
to the present peak flow. Cosmos followed “METHOD 1 – Measured PEAK Flow (preferred method)” as outlined in the *PWSA SFPM Instructions* that the PWSA provided (on July 11, 2019), to complete the calculations attached as *12\_Section J\_Flow Calculations.pdf* file.

The attached figure below (*Figure 1.*) shows the flow pathway from the project site to the treatment plant which is roughly 7.25 miles away. The pathway goes through pipes in six (6) communities including Bluff, Central Business District, Chateau, North Shore, Marshall-Shadeland, and Crawford-Roberts before it reaches the ALCOSAN treatment plant.



*Figure 1. Path of the project sewage to the ALCOSAN treatment plant*





- Regionalization Extents (August 2018, Subject to Change)
- ALCOSAN-owned infrastructure
- Municipal-owned infrastructure

**Legend**

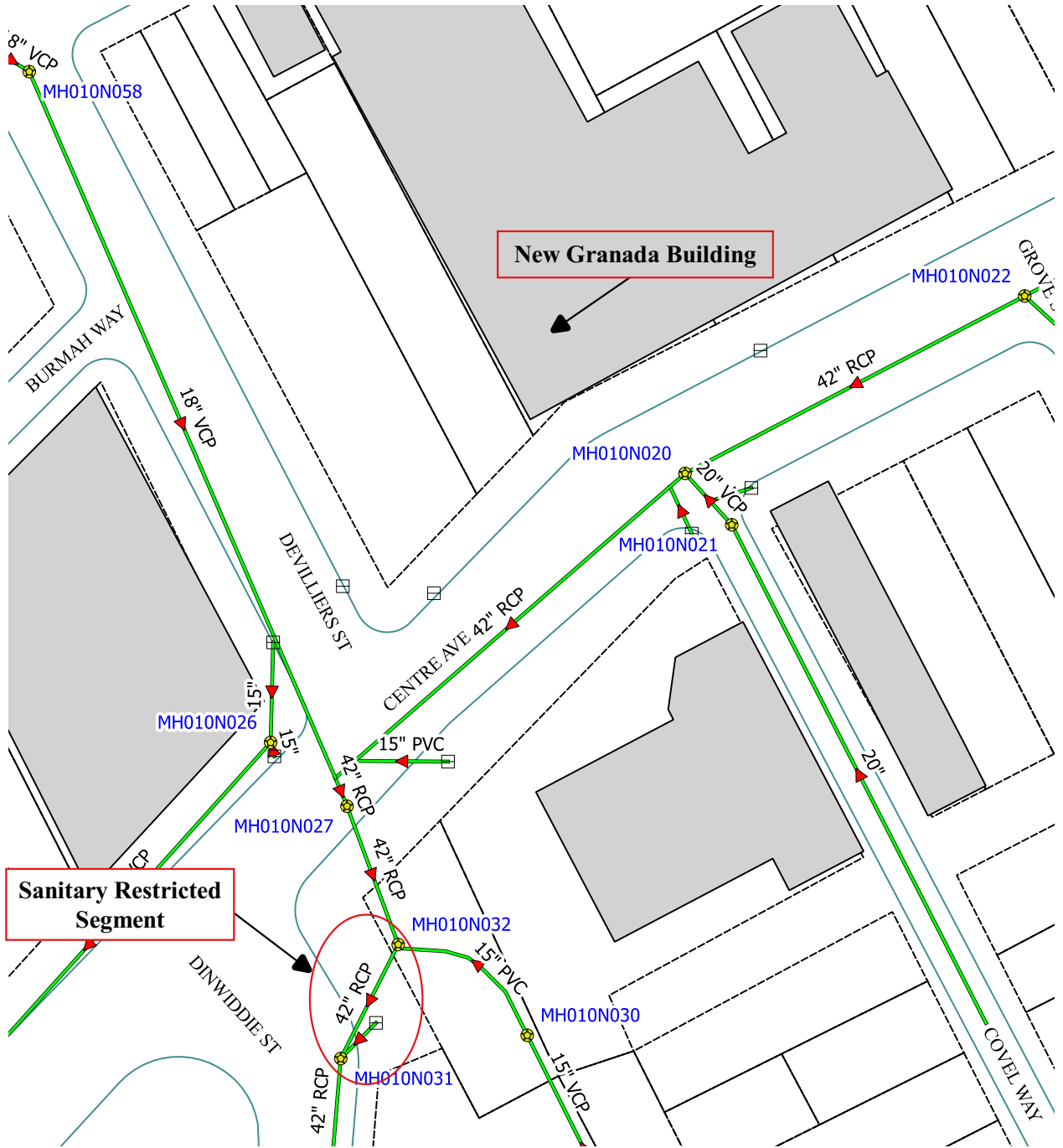
- + [Symbol]
- [Symbol] sbury Village

Sheet Name: Sanitary Restricted Segment Locations Map



### Legend

- Manhole
- Street Border
- Catch Basin
- Buildings
- Sewer Line
- Parcels



Project:  
267-01-2018 New Granada Interior Renov.  
Client:  
Hill Community Development Corp.  
2015 Centre Avenue #2, Pittsburgh, PA 15219



700 River Ave., Ste. 412  
Pittsburgh, PA 15212-2906  
Office: (412) 321-1951  
Fax: (412) 321-3954  
Email: info@cosmostechnologiesinc.com  
Website: www.cosmostechnologiesinc.com

Sheet Number:  
H03

Scale: 0 25 50 75 ft





Irvin E. Williams  
President

September 16, 2019

To Whom it May Concern:

We have reviewed the request for a flow depth measurement and submit the following attached photo with time and date stamp.

This test was performed on 9/6/19 at 7:54 am which is noted in the photo with a high-water level at 10". This was pipes incoming at 12 o'clock and discharging at 6 o'clock 42" RCP located on Dinwiddie Street and an 8" PVC Pipe location at 3 o'clock. The man hole location is (MH010N031).

Thank You

Irvin E. Williams

Enclosure: Photo



09/06/2019 07:54

# Hill Community Development Corporation

## **Dry Weather Flow Calculations Report for New Granada Square Apartments**

March 2020

PREPARED BY:

COSMOS TECHNOLOGIES, INC.



WATER CONSUMPTION			1st Floor		2nd Floor		3rd Floor		4th Floor		5th Floor		Total (gal/d)
Feature Type			Count	Flow	Count	Flow	Count	Flow	Count	Flow	Count	Flow	
Consumption Rate <sup>(1)</sup> CR (gal/d)			n	Q = n x CR (gal/d)	n	Q = n x CR (gal/d)	n	Q = n x CR (gal/d)	n	Q = n x CR (gal/d)	n	Q = n x CR (gal/d)	
Residential	1 BR Apartment ("Apartments: 1 Bedroom" Classification, 2nd - 5th Floors)	150	0	0	6	900	6	900	6	900	6	900	
	2 BR Apartment ("Apartments: 2 Bedroom" Classification, 2nd - 5th Floors)	300	0	0	4	1,200	4	1,200	4	1,200	4	1,200	
	Lavatory ("Stores (per public sink)" Classification, 1st Floor)	200	2 <sup>(2)</sup>	400	0	0	0	0	0	0	0	0	0
	Water Closet ("Stores (per public toilet)" Classification, 1st Floor)	400	2	800	0	0	0	0	0	0	0	0	0
	Fountain ("Stores (per public sink)" Classification, 1st Floor)	200	2	400	1	200	1	200	1	200	1	200	200
	Service Sink ("Stores (per public sink)" Classification, 1st - 5th Floors)	200	3 <sup>(3)</sup>	600	1 <sup>(4)</sup>	200	1 <sup>(4)</sup>	200	1 <sup>(4)</sup>	200	1 <sup>(4)</sup>	200	200
Commercial	Lavatory ("Stores (per public sink)" Classification, Retail)	200	1 <sup>(5)</sup>	200	0	0	0	0	0	0	0	0	0
	Water Closet ("Stores (per public toilet)" Classification, Retail)	400	1 <sup>(6)</sup>	400	0	0	0	0	0	0	0	0	0
	Fountain ("Stores (per public sink)" Classification, Retail)	200	1	200	0	0	0	0	0	0	0	0	0
	Service Sink ("Stores (per public toilet)" Classification, Retail)	200	0	0	0	0	0	0	0	0	0	0	0
	Restaurant ("Restaurants (Kitchen and toilet wastes per patron)" Classification)	10	282 <sup>(7)</sup>	2,820	0	0	0	0	0	0	0	0	0
<b>Residential (gal/d)</b>				<b>2,200</b>		<b>2,500</b>		<b>2,500</b>		<b>2,500</b>		<b>2,500</b>	<b>12,200</b>
<b>Commercial (gal/d)</b>				<b>3,620</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>	<b>3,620</b>
<b>Total (gal/d)</b>				<b>5,820</b>		<b>2,500</b>		<b>2,500</b>		<b>2,500</b>		<b>2,500</b>	<b>15,820</b>

**Acronyms:**

per Persons  
gal Gallons  
d Day

**Notes:**

- <sup>(1)</sup> Consumption rate from Table 2-1 PWSA Procedures Manual for Developers and 025 PA Code 73.17
- <sup>(2)</sup> Assumes one (1) lavatory in "Toilet" room (105) and one (1) lavatory in "common space", drawings A-101/G-003
- <sup>(3)</sup> Assumes one (1) service sink in "Maintenance" room (109), one (1) service sink in Janitor Closet (102A), and one (1) service sink in Common room (106), drawing A-101
- <sup>(4)</sup> One (1) hose bibb provided in each Trash room (211, 311, 411, 511), drawings A-102 & A-103.
- <sup>(5)</sup> Retail lavatory requirements summarized in the Minimum Plumbing Facilities table, drawing G-003.
- <sup>(6)</sup> Retail water closet requirements summarized in the Minimum Plumbing Facilities table, drawing G-003.
- <sup>(7)</sup> Estimated restaurant maximum occupancy is 94 patrons per Minimum Plumbing Facilities table, drawing G-003. Assume 3 restaurant turnovers in a day (282 total patrons).

**DATA****Project Flow<sup>(1)</sup> (Q<sub>0</sub>):**

15,820 gpd

**Hydraulically restricted segment<sup>(2)</sup>:** 42" RCP in Dinwiddie St., between MH010N032 and MH010N031**Type of sewer:**

Combined

**Hydraulically restricted segment**

Parameter	Variable	Peak Flow	Full Pipe	Unit
Upstream Invert		<b>944</b>	944	ft
Downstream Invert		<b>943</b>	943	ft
Pipe Length	L	<b>39.68</b>	39.68	ft
Flow depth <sup>(3)</sup>	h	<b>10</b>	<b>42</b>	in
Manning number	n	<b>0.013</b>	<b>0.013</b>	
Diameter	D	<b>42</b>	<b>42</b>	in

*Notes:**(1) Project Flow from PWSA Water and Sewer Use Application Calculations**(2) Provided by PWSA Reviewer: Robert Herring, P.E. on August 1, 2019**(3) Measured by eholdings on 9/6/19 at 7:54 AM*

**CALCULATIONS****Selected method:**

METHOD 1 - Measured PEAK Flow (preferred method)

**Peaking Factor (PF):**

3.5 for combined sewers

**Hydraulically restricted segment**

Parameter	Variable	Peak	Full Pipe	Unit
Slope	S	2.5%	2.5%	
Angle	$\Theta$	2.04	6.28	rad
Area	A	1.756	9.621	sf
Wetted Perimeter	P	3.568	10.996	ft
Hydraulic radius	Rh	0.492	0.875	ft
Flow	Q	20	160	cfs
		8,913	71,691	gpm
		12,834,235	103,235,174	gpd

**RESULTS**

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S. <sup>(6)</sup> )	
	Average $Q_f/PF$	Peak $Q_f^{(4)}$	Average $Q_p/PF$	Peak $Q_p^{(5)}$	Average $Q_1/PF$	Peak $Q_1=(Q_p+Q_0)\times 1.05$
<b>Collection</b>	29,495,764	103,235,174	3,666,924	12,834,235	3,855,017	13,492,558
<b>Conveyance</b>	29,495,764	103,235,174	3,666,924	12,834,235	3,855,017	13,492,558
<b>Treatment</b>	29,495,764	103,235,174	3,666,924	12,834,235	3,855,017	13,492,558

Notes:

(4) Flow (Q) of the Hydraulically restricted segment under Full Pipe conditions

(5) Flow (Q) of the Hydraulically restricted segment under Peak conditions

(6) P.S. stand for pump stations.

NOTE:

1. THE SUBJECT PROPERTIES ARE NOT LOCATED WITHIN A 100-YEAR FLOOD PLAIN ACCORDING TO FEMA FLOOD MAP NUMBER 42003C0353H, LAST REVISED SEPTEMBER 26, 2014.

DEMOLITION NOTES:

- 1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION WORK.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITY CONNECTIONS PRIOR TO CONSTRUCTION/DEMOLITION AT THIS SITE. THE CONTRACTOR SHALL ALSO COORDINATE ALL UTILITY CONNECTIONS WITH LOCAL PROVIDERS.
3. ALL EXISTING PAVEMENT, CURB AND SIDEWALK TO BE REMOVED SHALL BE SAW CUT AS SHOWN ON PLANS.
4. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL DRIVES, WALKS, EXISTING PAVEMENT AND CURBING WITHIN THE LIMITS AS SHOWN. ALL DEBRIS IS TO BE HAULED OFF-SITE TO AN APPROVED LANDFILL.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE MUNICIPALITY OF THE CITY OF PITTSBURGH. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF TRAFFIC THROUGH THE CONSTRUCTION PERIOD.
6. SEE PWSA SHEET 1 FOR WATER AND SEWER TERMINATION INFORMATION.

SITE SURVEY NOTE:

1. SURVEY PROVIDED BY E HOLDINGS, INC. DATED DECEMBER 9, 2019 AND PREPARED BY NJ BARTON LLC. MORRIS KNOWLES & ASSOCIATES, INC. CANNOT CONFIRM THE ACCURACY OR INACCURACY OF THE SURVEY.

NOTE:
DPW MONUMENT 107/3
N 103,956.07
E 105,194.03
ELEVATION: 993.54

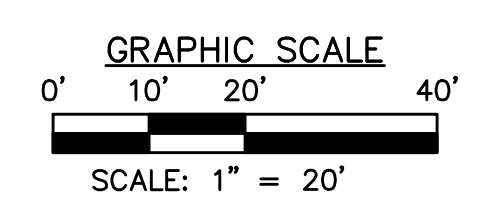


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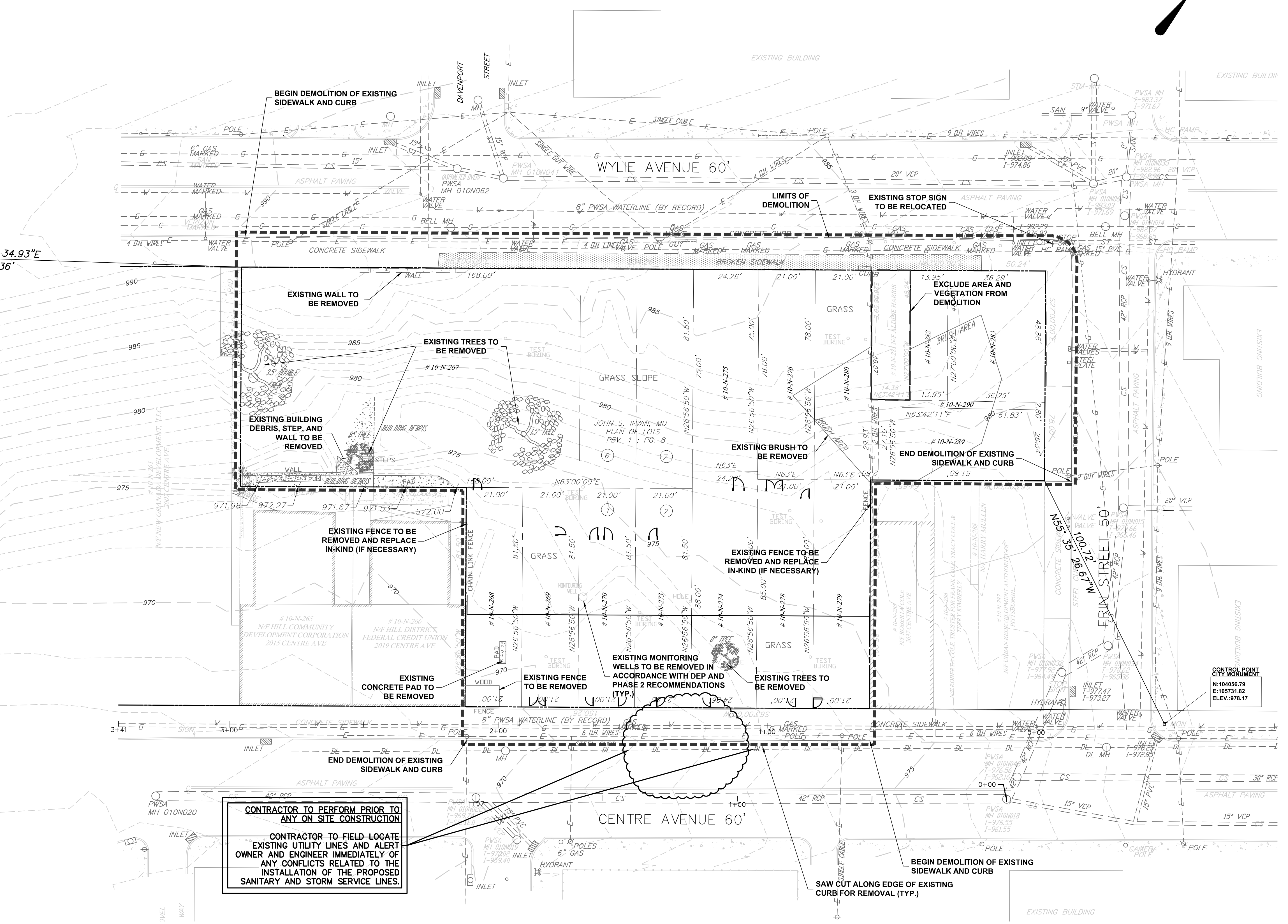
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MH - MANHOLE
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GV - GAS VALVE
GM - GAS METER
EM - ELECTRIC METER
S.R. - STATE ROUTE
TEL - TELEPHONE
RCP - REINFORCED CONCRETE PIPE
CPP - CORRUGATED PLASTIC PIPE
G - GAS LINE
W - WATER LINE
T - SUBSURFACE TELEPHONE LINE
E - SUBSURFACE ELECTRIC LINE
OH - OVERHEAD WIRES
---o--- - EXISTING CONTOURS
---o--- - EXISTING INLET
---o--- - EXISTING MANHOLE
---o--- - EXISTING SEWER
---x--- - FENCE



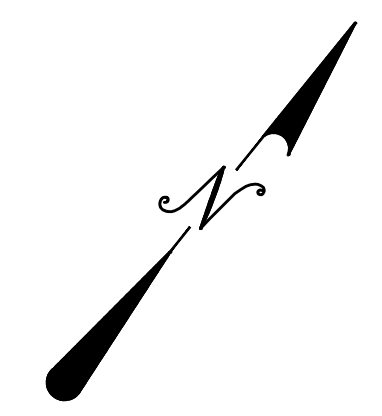
THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY CHANGES IN DESIGN PLANS UNLESS WRITTEN CONSENT IS GIVEN BY THE ENGINEER. THE CONTRACTOR AND/OR THE OWNER WILL BE HELD RESPONSIBLE FOR ANY FIELD MODIFICATIONS MADE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND NECESSARY APPROVALS BY PERMITTING AGENCIES.

THE LOCATION OF EXISTING UTILITIES WERE TAKEN FROM RECORDS AND MARKING PROVIDED BY OTHERS AND OBSERVED EVIDENCE. THE LOCATIONS SHOWN MAY BE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS, SIZES AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO ALL EXISTING UTILITIES.

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CONTRACTOR TO PERFORM PRIOR TO ANY ON SITE CONSTRUCTION
CONTRACTOR TO FIELD LOCATE EXISTING UTILITY LINES AND ALERT OWNER AND ENGINEER IMMEDIATELY OF ANY CONFLICTS RELATED TO THE INSTALLATION OF THE PROPOSED SANITARY AND STORM SERVICE LINES.



PHFA 100% SUBMISSION SET
EXISTING CONDITIONS/DEMOLITION PLAN
NEW GRANADA SQUARE APARTMENTS
GRANADA APARTMENTS LP
PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA
MORRIS KNOWLES & ASSOCIATES, INC.
WILLIAM PAUL UTZMAN
REVIEWED BY:
DATE:
SHEET NO. C100

**SITE NOTE:**

1. THE CONTRACTOR SHALL INSTALL ALL PAVEMENT MARKINGS AS SHOWN ON THE PLANS.
2. NO WETLANDS EXIST WITHIN THE PROJECT BOUNDARY.
3. MINE OPENINGS ARE NOT ANTICIPATED. IF MINE SPOILS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL EITHER REWORK THE MATERIAL PER GEOTECHNICAL ENGINEERS RECOMMENDATIONS OR REMOVE THE MATERIAL TO A PERMITTED AREA.
4. NO SIGNIFICANT CULTURAL OR SENSITIVE ENVIRONMENTAL FEATURES EXIST WITHIN THE PROJECT BOUNDARY. NO FURTHER ENVIRONMENTAL STUDIES WILL BE NECESSARY.
5. NO WATER RESOURCES EXIST WITHIN THE PROJECT BOUNDARY.

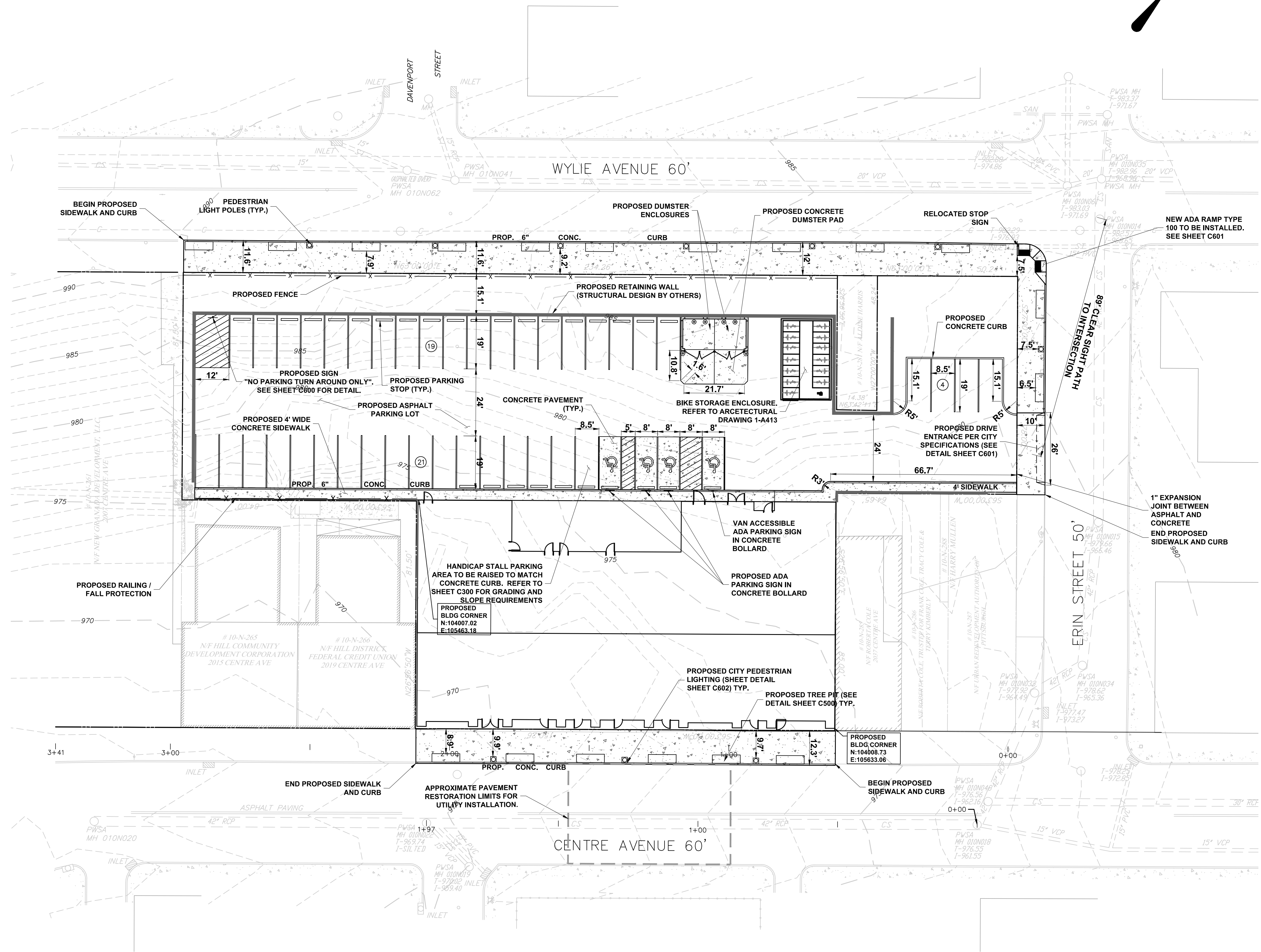
**ZONING INFORMATION**

LOCATION: 2029 CENTRE AVE, PITTSBURGH PA 15219		
ZONE: LOCAL NEIGHBORHOOD COMMERCIAL DISTRICT - LNC		
USE: RESIDENTIAL, RETAIL, AND RESTAURANT		
ITEM	REQUIREMENTS	PROPOSED
MINIMUM LOT AREA	N/A	0.820 ACRES
MINIMUM LOT WIDTH	N/A	150 FEET
MINIMUM FRONT SETBACK	N/A	N/A
MINIMUM SIDE SETBACK	N/A	N/A
MINIMUM REAR SETBACK	20 FEET	>20 FEET
MAXIMUM BUILDING HEIGHT	45 FEET	62 FEET
MAXIMUM COVERAGE	90 PERCENT	31 PERCENT

**PARKING INFORMATION**

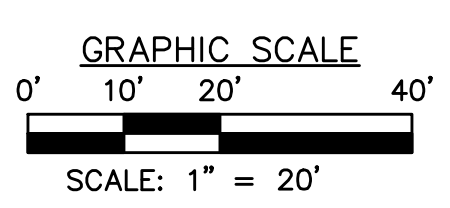
REQUIREMENT DESCRIPTION:  
 RESIDENTIAL USES: 1 PER UNIT MINIMUM, 2 PER UNIT MAX.  
 RETAIL: 1 PER 500 ABOVE FIRST 2,400 SF, 1 PER 175 SF MAX.  
 RESTAURANT (NOT FAST FOOD): 1 PER 125 SF ABOVE THE FIRST 2,400 SF MINIMUM, 1 PER 75 SF MAX.  
 PARKING REDUCTION FOR BICYCLE PARKING: AUTO PARKING MAY BE REDUCED BY ONE SPACE FOR EACH BIKE PARKING SPACE UP TO 30% OF THE REQUIRED OFF-STREET PARKING. (40 UNITS + 3 x 70% = 44 REQUIRED SPACES)

ITEM	REQUIREMENTS	PROPOSED
PARKING SPACES:	RESIDENTIAL: 40 UNITS/1=40 RETAIL: 3912 SF-2400= 1512/500=3 RESTAURANT: 1955 SF, NONE REQUIRED BICYCLE PARKING: 40 UNITS/3=14 PARKING REDUCTION FOR BICYCLE PARKING: 40 UNITS+3x70%=44 TOTAL SPACES	44
LOADING SPACE:	2	2



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  - OH - OVERHEAD WIRES
  - 908 - EXISTING CONTOURS
  - 908 - EXISTING INLET
  - O - EXISTING MANHOLE
  - == == == - EXISTING SEWER
  - X-X- - FENCE

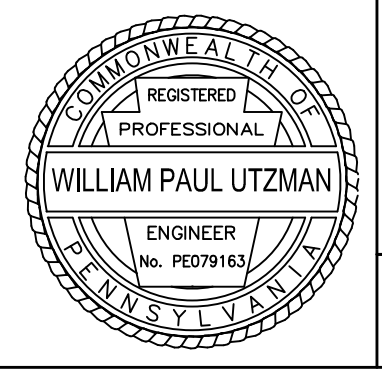


THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY CHANGES IN DESIGN PLANS UNLESS WRITTEN CONSENT IS GIVEN BY THE ENGINEER. THE CONTRACTOR AND/OR THE OWNER WILL BE HELD RESPONSIBLE FOR ANY FIELD MODIFICATIONS MADE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND NECESSARY APPROVALS BY PERMITTING AGENCIES.

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DEPARTMENT OF PUBLIC WORKS	
REVIEWED BY:	
DATE:	



**PHFA 100% SUBMISSION SET**

**SITE PLAN**

**NEW GRANADA SQUARE APARTMENTS**  
 prepared for  
**GRANADA APARTMENTS LP**  
 situated in  
 PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA

**Morris Knowles & Associates, Inc.**  
 (A Hammontree Company)  
 Consulting Engineers and Land Surveyors  
 443 Athena Drive  
 Pittsburgh, PA 15201  
 Telephone: (724) 468-8840  
 Fax: (724) 468-8840  
 info@morrisknowles.com www.morrisknowles.com

DESIGNED BY: DCC  
 REVIEWED BY: WPU  
 DRAWN BY: JJS  
 DATE: MARCH 3, 2020  
 PROJ. NO.: 1916.01

SCALE:  
 1" = 20'

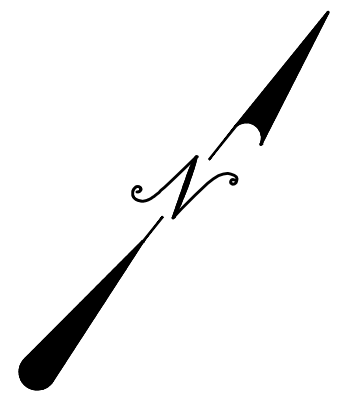
REVISIONS:

NO.	DATE	DESCRIPTION

DWG PATH: P:\Vista\1916.01 New Granada Square Apartments\DWG\1916.01 - New Granada Square Apartments.dwg  
 LAST SAVE: Mar 13, 2020 - 14:50m gmt

SHEET NO.  
**C200**





**WATERLINE NOTES:**

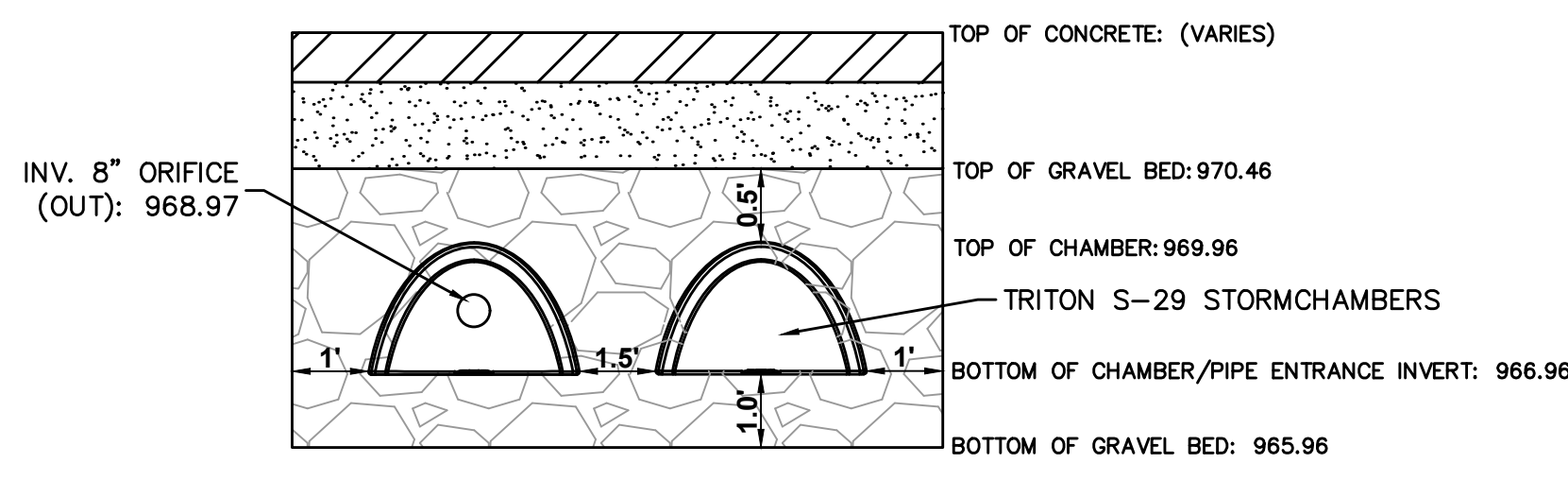
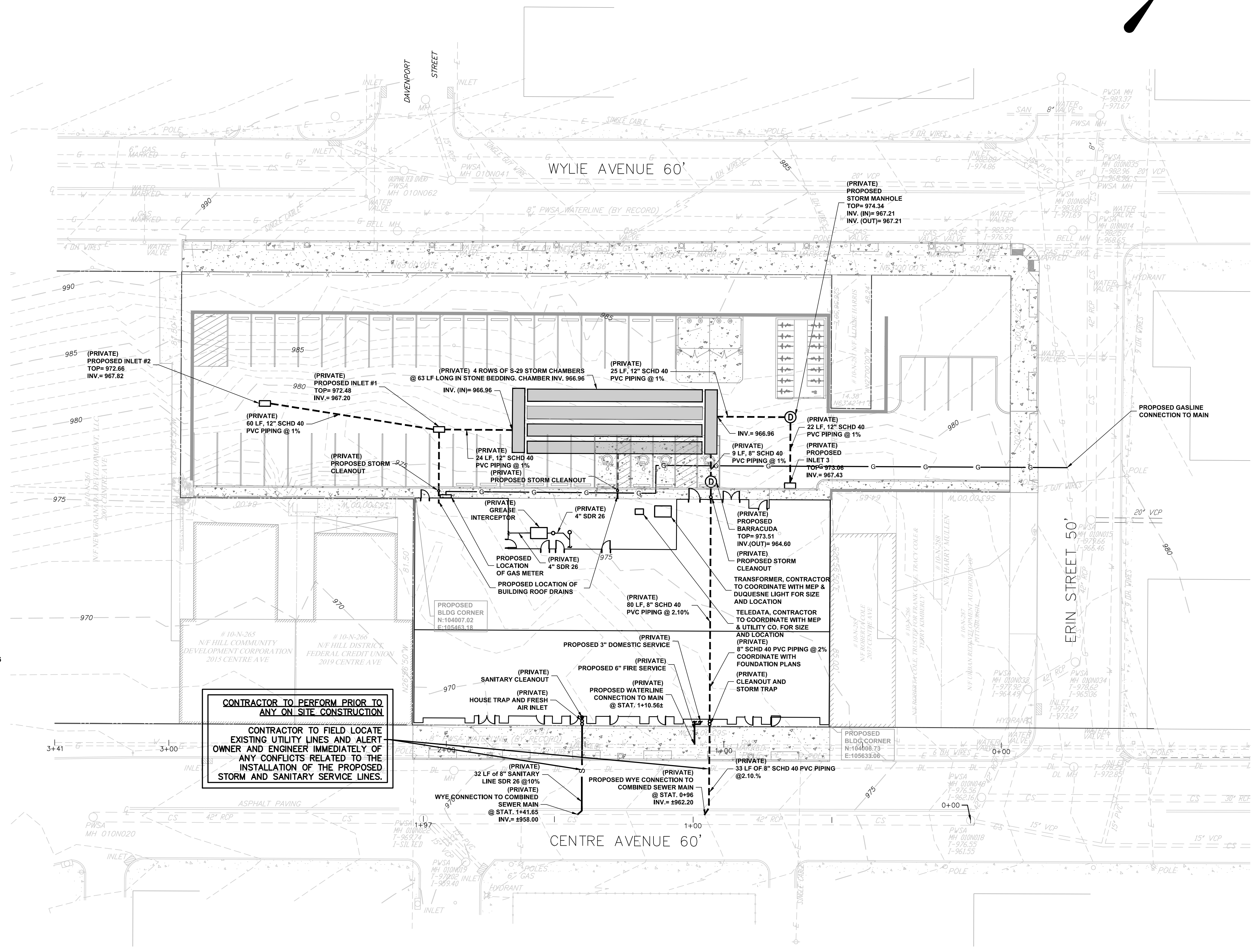
1. SEE PLAN SHEET 1 - SHEET 3 FOR WATERLINE UTILITY INFORMATION.

**UTILITY NOTES:**

1. ALL EXISTING UTILITIES SERVING THIS PROPERTY SHALL BE PROPERLY TERMINATED AT THE RIGHT-OF-WAY LINE IN COMPLIANCE WITH CITY AND COUNTY REGULATIONS. CONTRACTOR SHALL PROVIDE EVIDENCE OF COMPLIANCE WITH ALL STATE AND FEDERAL LAWS REGARDING THE DEMOLITION OF STRUCTURES AND ABANDONMENT OF UTILITIES.
2. ANY UTILITIES FOUND DURING EXCAVATION, NOT SHOWN ON PLAN, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
3. EACH SUBCONTRACTOR SHALL OBTAIN HIS OR HER OWN PERMITS AND CONTACT THE UTILITY COMPANY FOR VERIFICATION AND LOCATION OF HOOK-UP PRIOR TO ANY WORK BEING DONE.
4. UTILITIES SHOWN WERE TAKEN IN PART FROM RECORDS OF RESPECTIVE UTILITY COMPANIES AND PART FROM A SURVEY (BY OTHERS) AND DO NOT NECESSARILY REPRESENT ALL UNDERGROUND OR OVERHEAD UTILITIES ADJACENT TO OR UPON THE PREMISES SHOWN ON THE PLAN.
5. THE CONTRACTOR SHALL COORDINATE UTILITY CONNECTIONS AND SIZE AT THE BUILDING WITH THE MECHANICAL DRAWINGS AND PROVIDE CONNECTIONS WITH EXISTING UTILITIES IN ACCORDANCE WITH THE UTILITY PROVIDER'S REQUIREMENTS.
6. ALL UTILITIES SHALL BE UNDERGROUND.
7. ALL UTILITIES SHALL BE CONSTRUCTED, INSPECTED AND TESTED IN ACCORDANCE WITH THE BOROUGH, CITY, AUTHORITY, OR COUNTY STANDARDS AND REGULATIONS. THE ENGINEERING DEPARTMENT SHALL BE NOTIFIED A MINIMUM OF 24 HOURS IN ADVANCE FOR SCHEDULING OF AN INSPECTOR IF REQUIRED.
8. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
9. CONTRACTOR SHALL VERIFY THE LOCATION AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
10. THE CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS AND SHUT-OFFS WITH UTILITY PROVIDERS.
11. SEE MEP AND ARCHITECTURAL PLANS FOR ROOF DRAIN COORDINATION.
12. CONTRACTOR SHALL REFER TO MEP AND ARCHITECTURAL PLANS FOR ELECTRICAL UTILITY INFORMATION.
13. CONTRACTOR SHALL CONNECT FOUNDATION DRAINS TO CONVEYANCE PIPING SYSTEM DOWNSTREAM FROM STORM WATER DETENTION SYSTEM.
14. CONTRACTOR TO FIELD LOCATE EXISTING UTILITY LINES AND ALERT OWNER AND ENGINEER IMMEDIATELY OF ANY CONFLICTS RELATED TO THE INSTALLATION OF THE PROPOSED UTILITIES.
15. ROOF DOWNSPOUTS SHALL CONNECT TO UNDERGROUND STORMWATER SYSTEM.
16. FINAL LOCATION OF GAS LINE AND METER TO BE DETERMINED BY PNG CO. SHOWN FOR INFORMATIONAL PURPOSES ONLY.
17. GAS SERVICE LINE SIZE SHALL BE COORDINATED MEP AND PNG CO.

**SANITARY SEWER NOTES:**

1. SEE PWSA PLAN SHEET 1 - SHEET 3 FOR SANITARY UTILITY INFORMATION.



- NOTES:**
1. SEE MANUFACTURER'S DETAILS ON SHEET C603 FOR OTHER APPURTENANCES.

TYPICAL TRITON S-29 CHAMBERS(ELEVATION INFORMATION)  
N.T.S.

**CONTRACTOR TO PERFORM PRIOR TO ANY ON SITE CONSTRUCTION**

CONTRACTOR TO FIELD LOCATE EXISTING UTILITY LINES AND ALERT OWNER AND ENGINEER IMMEDIATELY OF ANY CONFLICTS RELATED TO THE INSTALLATION OF THE PROPOSED STORM AND SANITARY SERVICE LINES.

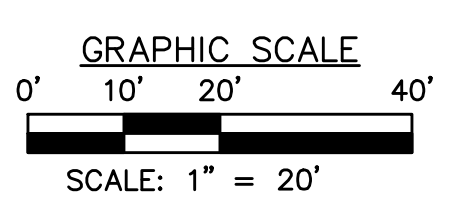
CALL BEFORE YOU DIG  
IN PENNSYLVANIA  
1-800-242-1776  
DESIGN SN: 20192891512



THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2018). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE

**LEGEND**

- |                                |             |                           |
|--------------------------------|-------------|---------------------------|
| SAN - SANITARY                 | — G —       | GAS LINE                  |
| ST - STORM                     | — W —       | WATER LINE                |
| MH - MANHOLE                   | — T —       | SUBSURFACE TELEPHONE LINE |
| TOP - TOP OF CASTING           | — E —       | SUBSURFACE ELECTRIC LINE  |
| INV - INVERT / FLOW LINE       | — OH —      | OVERHEAD WIRES            |
| WV - WATER VALVE               | --- 908 --- | EXISTING CONTOURS         |
| GV - GAS VALVE                 | — X —       | EXISTING INLET            |
| GM - GAS METER                 | — O —       | EXISTING MANHOLE          |
| EM - ELECTRIC METER            | — S —       | EXISTING SEWER            |
| S.R. - STATE ROUTE             | — ROP —     | REINFORCED CONCRETE PIPE  |
| TELE - TELEPHONE               | — CPP —     | CORRUGATED PLASTIC PIPE   |
| ROP - REINFORCED CONCRETE PIPE |             |                           |
| CPP - CORRUGATED PLASTIC PIPE  |             |                           |



THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY CHANGES IN DESIGN PLANS UNLESS WRITTEN CONSENT IS GIVEN BY THE ENGINEER. THE CONTRACTOR AND/OR THE OWNER WILL BE HELD RESPONSIBLE FOR ANY FIELD MODIFICATIONS MADE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND NECESSARY APPROVALS BY PERMITTING AGENCIES.

THE LOCATION OF EXISTING UTILITIES WERE TAKEN FROM RECORDS AND MARKING PROVIDED BY OTHERS AND OBSERVED EVIDENCE. THE LOCATIONS SHOWN MAY BE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS, SIZES AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO ALL EXISTING UTILITIES.

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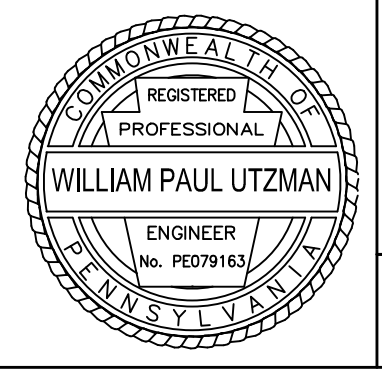
PHFA 100% SUBMISSION SET

**UTILITY PLAN**

**NEW GRANADA SQUARE APARTMENTS**  
prepared for  
**GRANADA APARTMENTS LP**  
situated in  
PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA

**MMA**  
Morris Knowles & Associates, Inc.  
(A Hammontree Company)  
Consulting Engineers and Land Surveyors  
443 Athena Drive  
Pittsburgh, PA 15206  
Telephone: (724) 468-4622  
Fax: (724) 468-8640  
info@morrisknowles.com www.morrisknowles.com

DEPARTMENT OF PUBLIC WORKS	
REVIEWED BY:	
DATE:	



SHEET NO. C400

COUNTY OF



ALLEGHENY

**RICH FITZGERALD**  
COUNTY EXECUTIVE

November 23, 2020

Nathan Simpson  
Cosmos Technologies Inc.  
700 River Avenue, Suite 100  
Pittsburgh, PA 15212

**RE: SEWAGE FACILITIES PLANNING MODULE; ALLEGHENY COUNTY**  
**New Granada Square Apartments, City of Pittsburgh**

Dear Mr. Simpson:

Enclosed is a signed copy of Component 4C, County or Joint County Health Department Review, for the above-referenced development. This Planning Module Component was received on November 18, 2020. The project proposes the following:

Project Description:	New Granada Square Apartments. Proposing a newly constructed multi-use building on a 0.58 acre vacant & unoccupied site (15 parcels) consisting of a first-floor lobby, multiple retail spaces, and restaurant and floors two (2) through five (5) will be comprised of multiple one-and two-bedroom apartments located at 2023 - 2022 Centre Avenue in the City of Pittsburgh, Allegheny County.
Sewage Flow:	15.820 GPD
Conveyance:	The flow from this site will be conveyed to the Pittsburgh Water and Sewer Authority (PWSA) collection system to ALCOSAN POC M-05 to the Monongahela River interceptor and then to the ALCOSAN Treatment Plant at Woods Run.
Sewer's Owner:	PWSA (collection) and ALCOSAN (interceptor)
Name of Sewage Treatment Plant:	ALCOSAN

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



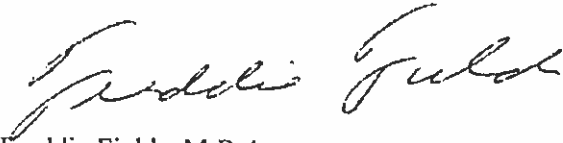
DEBRA BOGEN, MD, DIRECTOR  
**ALLEGHENY COUNTY HEALTH DEPARTMENT**  
**WATER POLLUTION CONTROL & SOLID WASTE MANAGEMENT**  
3901 PENN AVENUE, BUILDING 5 • PITTSBURGH, PA 15224-1318  
PHONE: 412.578.8040 • FAX: 412.578.8053  
[WWW.ALLEGHENYCOUNTY.US/HEALTHDEPARTMENT](http://WWW.ALLEGHENYCOUNTY.US/HEALTHDEPARTMENT)



In addition, it should be noted that the approval of this sewage facilities planning module does not include approval of pipe size and/or type. Approval for pipe size and/or type must be obtained by filing a specific plumbing plan with the ACHD's Plumbing Section. If you should have any questions relative to ACHD's plumbing requirements, please contact Ivo Miller, Plumbing Program Manager at 412-578-8393

The ACHD has no objection to the approval of this project. If you have any questions, please call me at 412-578-8046.

Sincerely,



Freddie Fields, M.B.A.  
Environmental Health Engineer III  
Water Pollution Control & Solid Waste Management

FF/cb  
Enclosure

cc: Thomas Flanagan, PA Department of Environmental Protection w/attachment (electronically)  
Ivo Miller, ACHD w/attachment (electronically)



## SEWAGE FACILITIES PLANNING MODULE

### COMPONENT 4C - COUNTY OR JOINT HEALTH DEPARTMENT REVIEW

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

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

Project Name

New Granada Square Apartments

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

1. Date plan received by county or joint county health department November 18, 2020

Agency name Allegheny County Health Department (ACHD)

2. Date review completed by agency November 23, 2020

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

Yes No

1. Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan?

If no, what are the inconsistencies? \_\_\_\_\_

2. Are there any wastewater disposal needs in the area adjacent to this proposal that considered by the municipality?

If yes, describe \_\_\_\_\_

3. Is there any known groundwater degradation in the area of this proposal?

If yes, describe \_\_\_\_\_

4. The county or joint county health department recommendation concerning this proposal follows: ACHD recommends approval. See attached letter.

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

Name: Freddie Fields

Title: Environmental Health Engineer III

Signature: *Freddie Fields*

Date: November 23, 2020

Name of County Health Department: ACHD

Address: 3901 Penn Avenue, Building #5, Pittsburgh, PA 15224-1318

Telephone Number: 412-578-8046

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

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

The county planning agency must complete this component within 60 days.

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



## INSTRUCTIONS FOR COMPLETING COMPONENT 4C COUNTY OR JOINT HEALTH DEPARTMENT 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.



November 12, 2020

**Members of the Board**

Corey O'Connor  
*Chair Person*

Rep Harry Readshaw  
Sylvia C. Wilson  
Shannah Sharp-Gilliam, Ph.D.  
Jack Shea  
John Weinstein  
Brenda L. Smith

Arietta Scott Williams  
*Executive Director*

William H. Inks, CPA  
*Director  
Finance & Administration*

Jan M. Oliver  
*Director  
Regional Conveyance*

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

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

Michelle M. Buys, P.E.  
*Director  
Environmental Compliance*

Jeanne K. Clark  
*Director  
Governmental Affairs*

Joseph Vallarian  
*Director  
Communications*

Mr. Nathan Simpson  
Cosmos Technologies Inc.  
700 River Avenue, Suite 412  
Pittsburgh, PA 15212-5936

**Re: New Granada Square Apartments  
City of Pittsburgh – 5<sup>th</sup> Ward, Allegheny County  
PA DEP Sewage Facilities Planning Module  
ALCOSAN Regulator Structure M-05-00**

Dear Mr. Simpson:

We have reviewed the Component 3 Planning Module for the referenced project to be located in the City of Pittsburgh, 5<sup>th</sup> Ward. The project will generate a peak flow of 15,820 gpd in the ALCOSAN Monongahela River Interceptor and Woods Run Treatment Plant.

The capacity of the ALCOSAN M-05-00 Regulator Structure is approximately 20.6 MGD. The monitored peak dry weather flow is approximately 3.26 MGD. Sufficient dry weather capacity exists for this connection. However, the ALCOSAN Monongahela River Interceptor and the Woods Run Treatment Plant do not have the capacity for the flows generated by tributary communities during wet weather periods. This limitation will be addressed as ALCOSAN implements its Clean Water Plan.

ALCOSAN requests that this letter be made part of the planning module submission. The signed Component 3 Planning Module is attached. The sewers in this project are to be designed as separated sanitary and storm sewers. If you have any questions regarding this matter, please contact me at 412-732-8053.

Sincerely,

**ALLEGHENY COUNTY SANITARY AUTHORITY**

Shawn P. McWilliams, EIT  
Civil Engineer

**Attachment**

cc: Christina Dean (w/o attachment)  
Dan Thornton (w/o attachment)  
Michael Lichte (w/o attachment)  
Barry King/ PWSA (w/o attachment)  
Thomas Flanagan/ PADEP (w/o attachment)  
Fred Fields/ ACHD (w/o attachment)

August 21, 2020

Nathan Simpson  
Cosmos Technologies, Inc.  
700 River Ave, Suite 412  
Pittsburgh, PA 15212

Subject: Sewage Facilities Planning Module (SFPM)  
Approval Letter for Collection System Flows  
Project Name: 20013.32 New Granada Square Apartments  
PWSA Project No.: 20013.32

Dear Mr. Simpson:

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 originally signed "Section J – Chapter 94 Consistency Determination". Please be advised that this approval is limited to the collection system portion of the SFPM.

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

Sincerely,

*Ben Grunauer*

Benjamin Grunauer, E.I.T.  
Engineer II

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)  
Michael Lichte, P.E. – ALCOSAN (via email)  
Leslie Stevens – City of Pittsburgh Law Department (via email)  
eBuilder – Filing System (via email)

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

**From:** Benjamin Grunauer, E.I.T.

**Date:** August 20, 2020

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

Chapter 94 Consistency Determination

Project Name: 20013.32 New Granada Square Apartments

Project Address: 270 Centre Avenue, Pittsburgh, PA

PWSA Project Number: 20013.32

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,

*Benjamin Grunauer*

Benjamin Grunauer, E.I.T.  
Engineer II

Enclosures

cc: e-Builder – Filing System

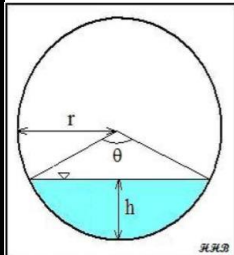


**Sewage Facilities Planning Module**  
**Chapter 94 Consistency Determination**  
**Hydraulic Calculations Spreadsheet for Peak Present Flow Measurements**

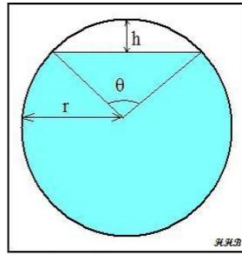
**PROJECT NAME:** 20013.32 New Granada Square Apartments  
**PWSA PROJECT NUMBER:** 20013.32  
**PWSA REVIEWER:** Benjamin Grunauer, E.I.T.  
**DATE:** August 20, 2020

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

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

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

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

**Section B: Data for Calculations**

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

Proposed Project Flows		
Variable	Value	Units
Q <sub>p</sub>	15,820	gpd

Variable	Value	Units
Material	Concrete	
n	0.013	unitless
S	0.025	ft/ft
h	0.833	ft
D	3.50	ft
P.F.	3.5	unitless

**Section C: Calculations for Design and/or Permitted Capacities**

Variable	Description	Definition
Q <sub>d, avg</sub>	Design Capacity, Average	= full pipe flow conditions / peaking factor
Q <sub>d, peak</sub>	Design Capacity, Peak	full pipe flow conditions

Design Capacity, Average		
Variable	Value	Unit
Q <sub>d, avg</sub>	29,454,730	gpd

Design Capacity, Peak		
Variable	Value	Unit
D	3.500	ft
r	1.750	ft
A	9.621	ft <sup>2</sup>
P	10.996	ft
R	0.875	ft
Q <sub>d, peak</sub>	160	cfs
Q <sub>d, peak</sub>	103,091,556	gpd

#### Section D: Calculations for Present Flows

Variable	Description	Definition
Q <sub>ex, avg</sub>	Present Flows, Average	= Q <sub>ex, peak</sub> / P.F.
Q <sub>ex, peak</sub>	Present Flows, Peak	existing flow conditions per site investigations

Present Flows, Average		
Variable	Value	Unit
Q <sub>ex, avg</sub>	3,661,823	gpd

Present Flows, Peak		
Variable	Value	Unit
D	3.500	ft
r	1.750	ft
θ	2.04	rad
h/D	0.238095238	ft/ft
A	1.76	ft <sup>2</sup>
P	3.57	ft
R	0.492	ft
Q <sub>ex, peak</sub>	20	cfs
Q <sub>ex, peak</sub>	12,816,381	gpd

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

Variable	Description	Definition
Q <sub>proj, avg</sub>	Projected Flows in Five (5) Years, Average	= Q <sub>proj, peak</sub> ÷ P.F.
Q <sub>proj, peak</sub>	Projected Flows in Five (5) Years, Peak	= (Q <sub>ex, peak</sub> + Q <sub>p</sub> ) x 1.05

Projected Flow Calculations		
Variable	Value	Unit
Q <sub>proj, avg</sub>	3,849,660	gpd
Q <sub>proj, peak</sub>	13,473,811	gpd

#### Section F: Compare Results with Applicant's Submission

Variable	PWSA, gpd	Applicant, gpd	Difference, gpd	Difference, %
Q <sub>d, avg</sub>	29,454,730	29,495,764	-41,034	0%
Q <sub>d, peak</sub>	103,091,556	103,235,174	-143,618	0%
Q <sub>ex, avg</sub>	3,661,823	3,666,924	-5,101	0%
Q <sub>ex, peak</sub>	12,816,381	12,834,235	-17,854	0%
Q <sub>proj, avg</sub>	3,849,660	3,855,017	-5,357	0%
Q <sub>proj, peak</sub>	13,473,811	13,492,558	-18,747	0%

**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 15,820 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

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

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
<b>Collection</b>	29495764	103235174	3666924	12834235	3855017	13492558
<b>Conveyance</b>						
<b>Treatment</b>						

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.  YES  NO 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, P.E. / Director of Engineering and Construction

Agent Signature  Date August 20, 2020



## INSTRUCTIONS FOR COMPLETING COMPONENT 4A MUNICIPAL PLANNING AGENCY REVIEW

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

### Background

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

### Who Should Complete the Component?

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

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

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

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

#### **Section A. Project Name**

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

#### **Section B. Review Schedule**

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

#### **Section C. Agency Review**

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

#### **Section D. Additional Comments**

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



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

DEP Code #:

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

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

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

Project Name

New Granada Square Apartments

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

1. Date plan received by municipal planning agency December 7, 20202. Date review completed by agency December 9, 2020

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

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

**SECTION C. AGENCY REVIEW (continued)**

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Is this plan consistent with the municipal Official Sewage Facilities Plan? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
<input type="checkbox"/>	<input type="checkbox"/>	If yes, is the proposed waiver consistent with applicable ordinances? If no, describe the inconsistencies _____
17. Name, title and signature of planning agency staff member completing this section: Name: <u>Martina Battistone</u> Title: <u>Senior Environmental Planner</u> Signature: <u><i>Martina Wolf Battistone</i></u> Date: <u>December 9, 2020</u> Name of Municipal Planning Agency: <u>City of Pittsburgh Department of City Planning</u> Address <u>200 Ross Street 4th Floor Pittsburgh, PA 15219</u> Telephone Number: <u>(412) 255-2516</u>		

**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.