



## **PROJECT NARRATIVE**

**LIGHT OF LIFE  
665 Ridge Avenue  
22<sup>nd</sup> WARD, CITY OF PITTSBURGH  
ALLEGHENY COUNTY, PENNSYLVANIA**

*Prepared for:*  
**LIGHT OF LIFE MINISTRIES  
913 WESTERN AVENUE  
PITTSBURGH, PENNSYLVANIA 15211**

*Prepared by:*  
**KU RESOURCES, INC.  
22 SOUTH LINDEN STREET  
DUQUESNE, PENNSYLVANIA 15110**

**MAY, 2021**

## DESCRIPTION OF PROPOSED DEVELOPMENT

Light of Life Ministries, LLC (LLM) is developing a lot with proposed renovations and vertical addition to their existing building. The site is located on approximately 1.96 acres situated south of Ridge Avenue and east of Bank Street in the Allegheny Center neighborhood of the City of Pittsburgh, Allegheny County, Pennsylvania (Site). The Site address is 665 Ridge Avenue (Allegheny County Parcels 8-B-32). The Site is bound to the north by Ridge Avenue, to the west by Bank Street, to the south by a paper street, and to the east by railroad tracks (Parcel 8-G-208-9) (see Figure 1).

The Site is currently utilized by the LLM as a resource for the local at-risk populations, a staging area for donations provided to LLM, and office space for staff members.

There will be approximately 0.71 acre of disturbance necessary to complete this project..

The project involves renovation of the existing two story building with a 3<sup>rd</sup> floor addition. Each story will be comprised of the following elements:

- LOWER LEVEL (BASEMENT): 4 3-man rooms, offices, Mechanical/Sprinkler/electrical Rooms, storage and laundry.
- FIRST FLOOR: Offices, kitchen, dining area, visitor/entrance lobby, restroom facilities, chapel and storage.
- SECOND FLOOR: 9 3-man rooms, common area, kitchenette, storage, game room, classrooms, restroom facilities, offices and reception lounge.
- THIRD FLOOR (ADDITION): Offices, restroom facilities, storage, lounge, gathering area and women/children rooms

## PROPOSED SANITARY DESIGN

The proposed development will consist of forty (40) housing units. Per Table 1, Water Use and Sanitary Sewage Flow Estimates, PA Code Title 25 Chapter 73, institutions other than hospitals (per bed space) are 125 gallons per unit per day. It is anticipated the proposed use of the building will be in support of these forty (40) housings units with the exception of the third-floor addition which will service a separate population. The third floor will be dedicated to the use of a women's shelter and supporting services. These attendees will not be residing within this facility and will be typically be utilizing the spaces during normal business hours Monday through Friday. Based off of LLM's experience in the community with similar uses it is anticipated that the third floor will service fifty (50) attendees and ten (10) supporting staff

for the space. Per Table 1, Water Use and Sanitary Sewage flow Estimates, PA Code Title 25 Chapter 73 the establishment for this space is a Church (per seat) 3 gallons per day with an additional three paper server meal per day per person, 1.5 gallons per person per day per meal.

The total sanitary flows are estimated to be 5,450 gallons per day (13.6 EDUs) in the existing 18-inch combination sewer which is located within Bank Street. The effluent will ultimately be sent to the Allegheny County Sanitation Authority (ALCOSAN). Please see the attached Pittsburgh Water and Sewer Authority (PWSA) map with the highlighted route the effluent will travel to ALCOSAN.

### ALTERNATIVES ANALYSIS

Spray irrigation or on-lot absorption are not viable options for this site because there is insufficient area to accommodate the expected sanitary flows. Furthermore, since a PWSA collector already exists along the exchange way, a tap-in to the 18-inch combination sewer pipe is the preferred disposal method.

### PLANNING MODULE CALCS

The Light of Life Ministries is proposing to renovate the existing building at 665 Ridge road into a shelter for local at-risk populations with new utilities and street scape enhancements. All building's sanitary lines will connect into an existing 18-inch combination sewer line in Bank Street.

The daily sanitary flow estimate was determined by applying PA DEP Code Chapter 73.17 Sanitary Sewage Flow Estimates for the following types of establishments:

- Institutions other than hospitals (per bed space) – 125 gpd/unit
- Church with three (3) paper meals per day (per person) – 7.5 gpd/person

Effluent will ultimately be sent to the Allegheny County Sanitation Authority (ALCOSAN). See the attached Pittsburgh Water and Sewer Authority (PWSA) Sewer System map with the route to ALCOSAN highlighted.

### PROPOSED FLOWS

#### **Total Water: 5450 gpd (13.6 EDU's)**

Basement – 4 three-bed units  
12 beds x 125 gpd/unit = 1500 gpd

Second Floor – 9 three-bed units and 1 one-bed unit  
28 beds X 125 gpd/unit = 3500 gpd

Third Floor – 50 church attendees and 10 staff  
60 people X 7.5 gpd/person = 450 gpd

#### EXISTING FLOWS

From previous water bills average monthly usage was about 2000 gallons.

$$2000 \text{ gallons} / 30 \text{ days} = 66.67 \text{ gpd}$$

Using a peaking factor of 3.5:

$$66.67 \text{ gpd} \times 3.5 \text{ PF} = 233.33 \text{ gpd (0.58 EDU's)}$$

#### NET FLOWS

Project Flow – Existing Flow = Net Flow

$$5450 \text{ gpd} - 233.33 \text{ gpd} = 5216.7 \text{ gpd}$$

$$\text{EDU's} = \text{gpd}/400$$

$$5216.7/400 = 13.0 \text{ EDU's} = 13 \text{ EDU's}$$

#### **Total Sewer: 5450 gpd (13.6 EDU's)**

Basement – 4 three-bed units

$$12 \text{ beds} \times 125 \text{ gpd/unit} = 1500 \text{ gpd}$$

Second Floor – 9 three-bed units and 1 one-bed unit

$$28 \text{ beds} \times 125 \text{ gpd/unit} = 3500 \text{ gpd}$$

Third Floor – 50 church attendees and 10 staff

$$60 \text{ people} \times 7.5 \text{ gpd/person} = 450 \text{ gpd}$$

#### EXISTING FLOWS

From previous water bills average monthly usage was about 2000 gallons.

$$2000 \text{ gallons} / 30 \text{ days} = 66.67 \text{ gpd}$$

Using a peaking factor of 3.5:

$$66.67 \text{ gpd} \times 3.5 \text{ PF} = 233.33 \text{ gpd (0.58 EDU's)}$$

#### NET FLOWS

Project Flow – Existing Flow = Net Flow

$$5450 \text{ gpd} - 233.33 \text{ gpd} = 5216.7 \text{ gpd}$$

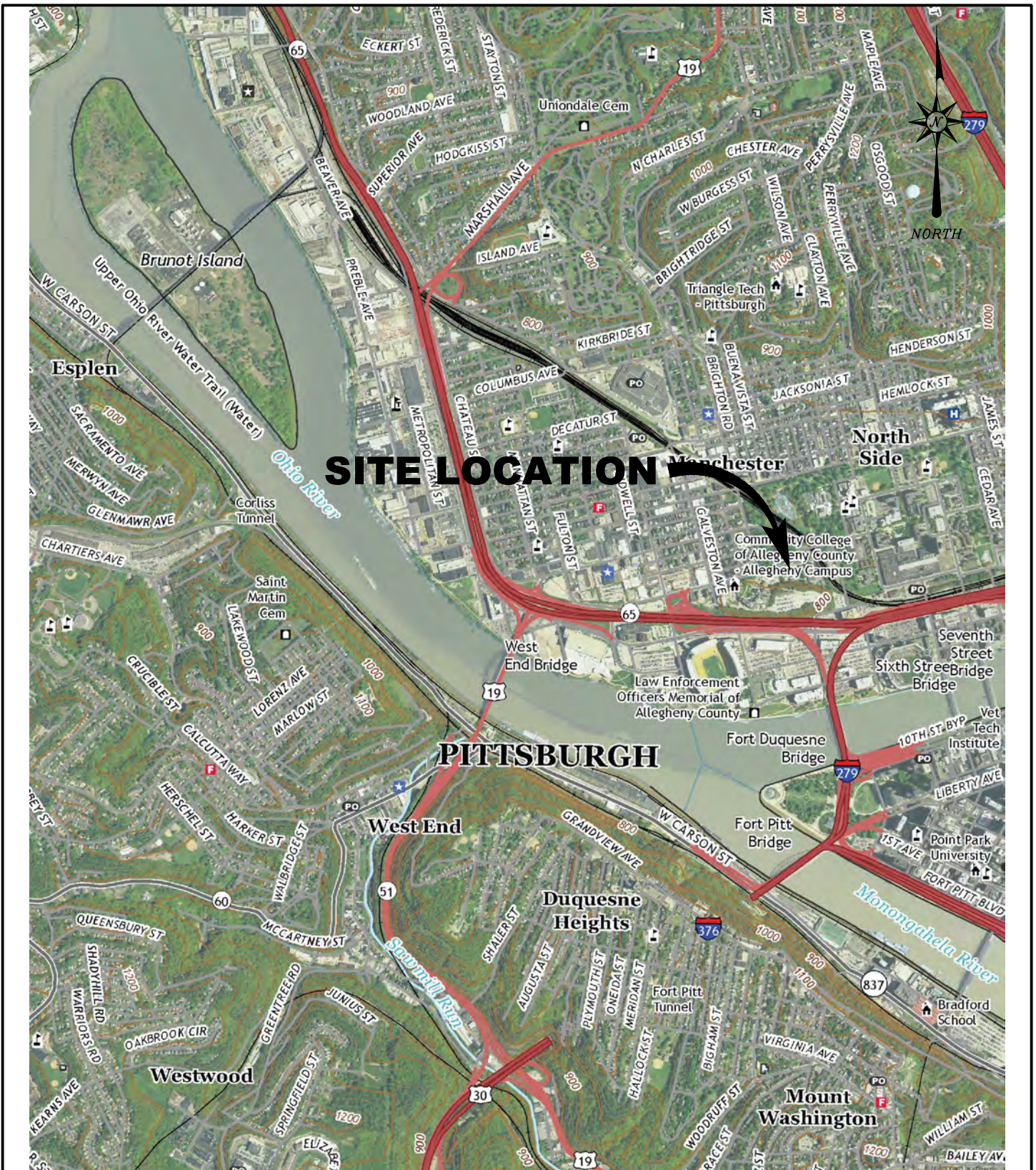
$$\text{EDU's} = \text{gpd}/400$$

$$5216.7/400 = 13.0 \text{ EDU's} = 13 \text{ EDU's}$$

**Based on a comparison of previous and proposed flows, a PADEP Planning Module is anticipated to be required.**

## **STORMWATER CONVEYANCE**

Storm water management is required on the site due to the City of Pittsburgh's Stormwater Ordinance and applicable PADEP requirements due to a proposed area of disturbance in excess of 10,000 sf. The proposed scope of work includes and overall reduction in impervious area within the Site and thus the post-development flows will not exceed pre-development flows. No changes will be made to the existing stormwater system. Stormwater best management practices, retentive grading, will be implemented to manage the applicable volume for the proposed development. Stormwater will be routed to the retentive grading area via overland flow. The proposed systems are designed to effectively manage the first 1-inch of rainfall from impervious areas within the proposed limit of disturbance.



REFERENCE:  
 USGS 7.5-MIN TOPOGRAPHIC QUADRANGLE  
 PITTSBURGH WEST, PENNSYLVANIA,  
 DATED 2019.

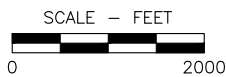


FIGURE 1

SITE LOCATION MAP  
 665 RIDGE AVENUE

CITY OF PITTSBURGH  
 ALLEGHENY COUNTY, PENNSYLVANIA

PREPARED FOR  
 LIGHT OF LIFE MINISTRIES, INC.  
 PITTSBURGH, PENNSYLVANIA

APPROVED	JDC 12/01/2020
CHECKED	JDC 12/01/2020
DRAWN	RAM 12/01/2020
CAD FILE NO.	20426A001
PROJECT NO.	LOL20426RAES



**KU Resources, Inc.**  
 22 South Linden Street  
 Duquesne, PA 15110  
 412.469.9331  
 412.469.9336 fax  
[www.kuresources.com](http://www.kuresources.com)

Network Trace

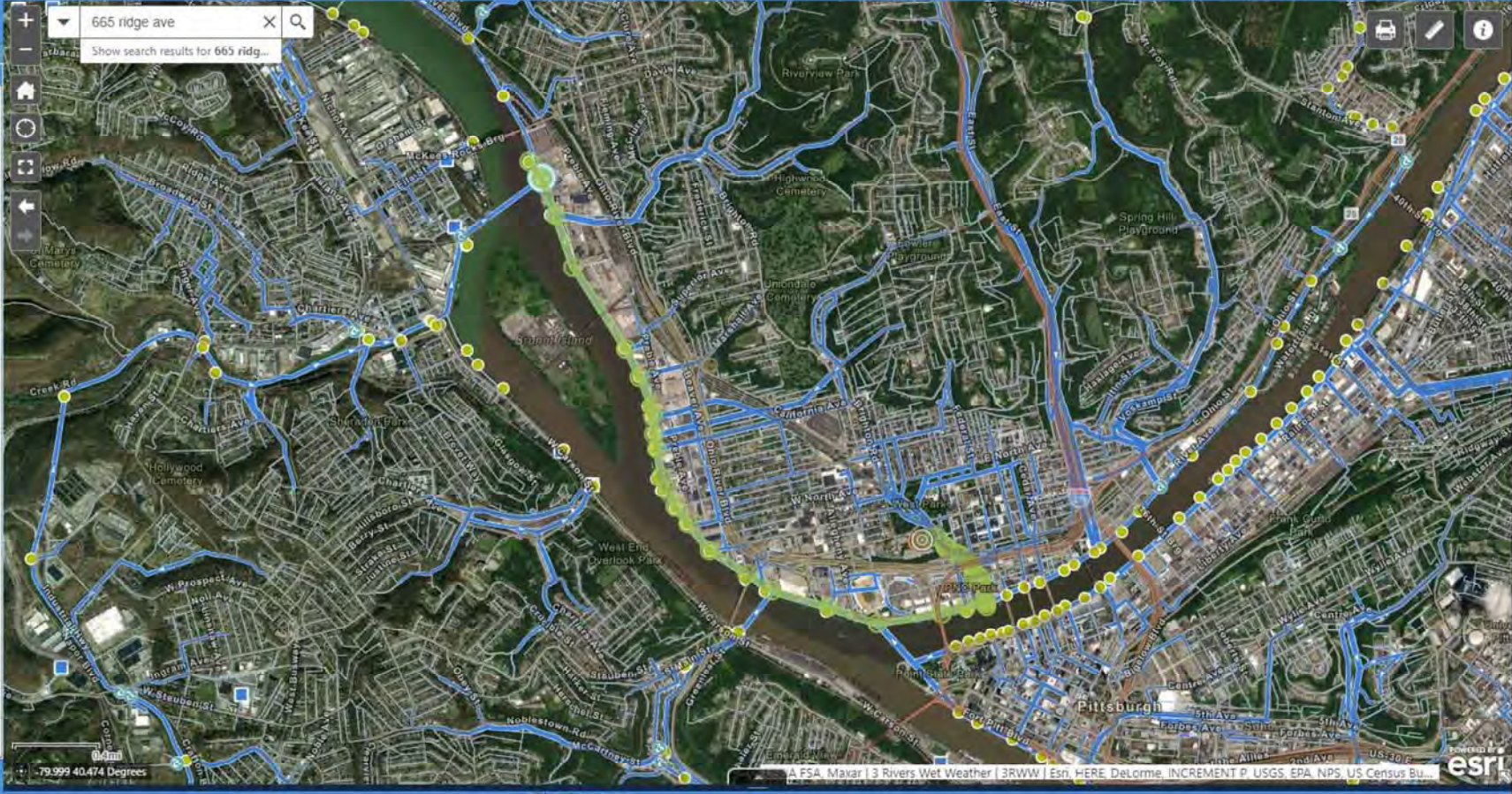
Input Output

**Upstream**  
# of Structures: 1  
Total Length: 120.91 ft  
Inch-Miles: 0.27

**Downstream:**  
# of Structures: 43  
Total Length: 20801.05 ft  
Inch-Miles: 428.66

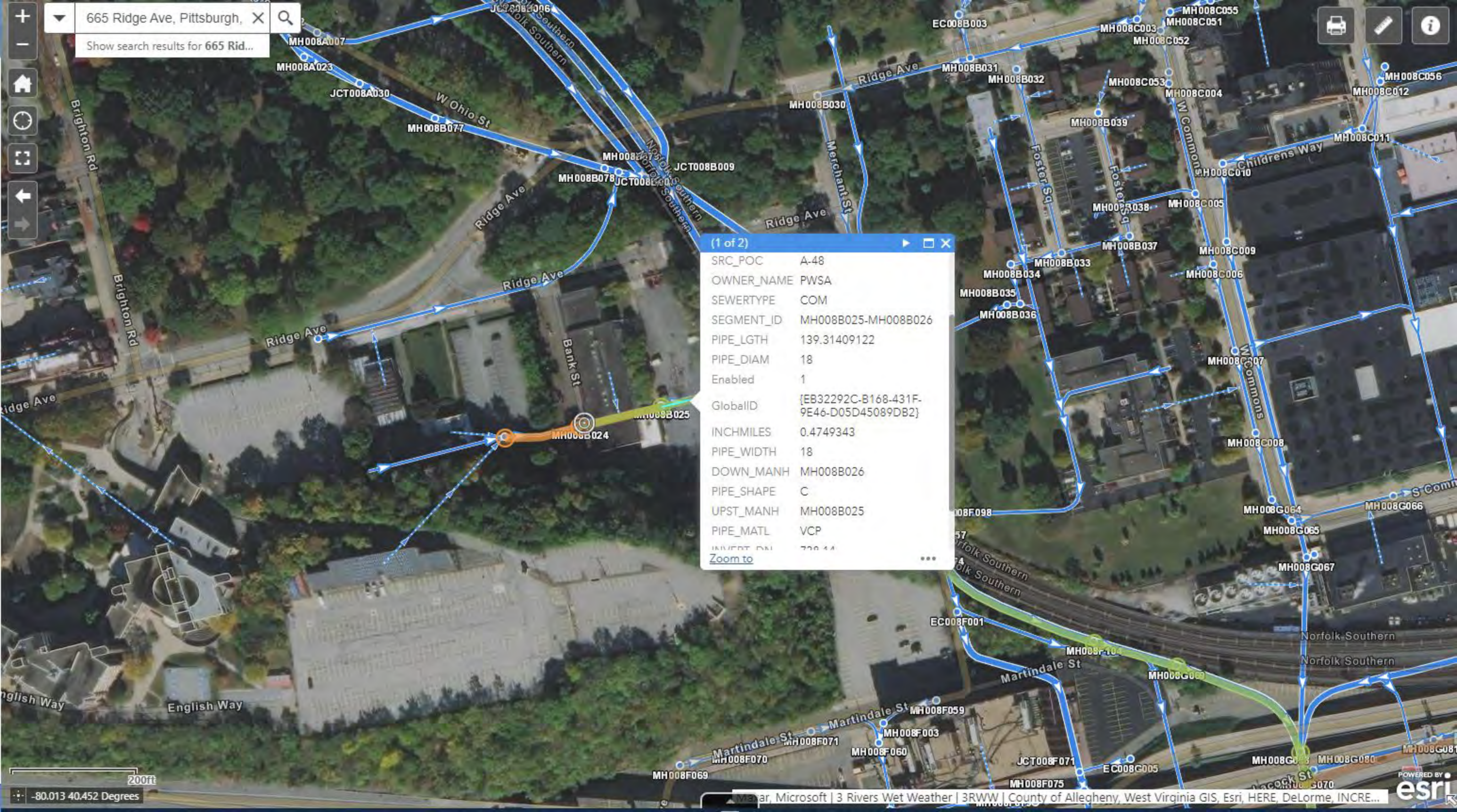
- Upstream Pipes (1)
- Downstream Pipes (44)
- Downstream Structures (43)
- Upstream Structures (1)

Export To CSV



665 Ridge Ave, Pittsburgh, X

Show search results for 665 Rid...



(1 of 2)

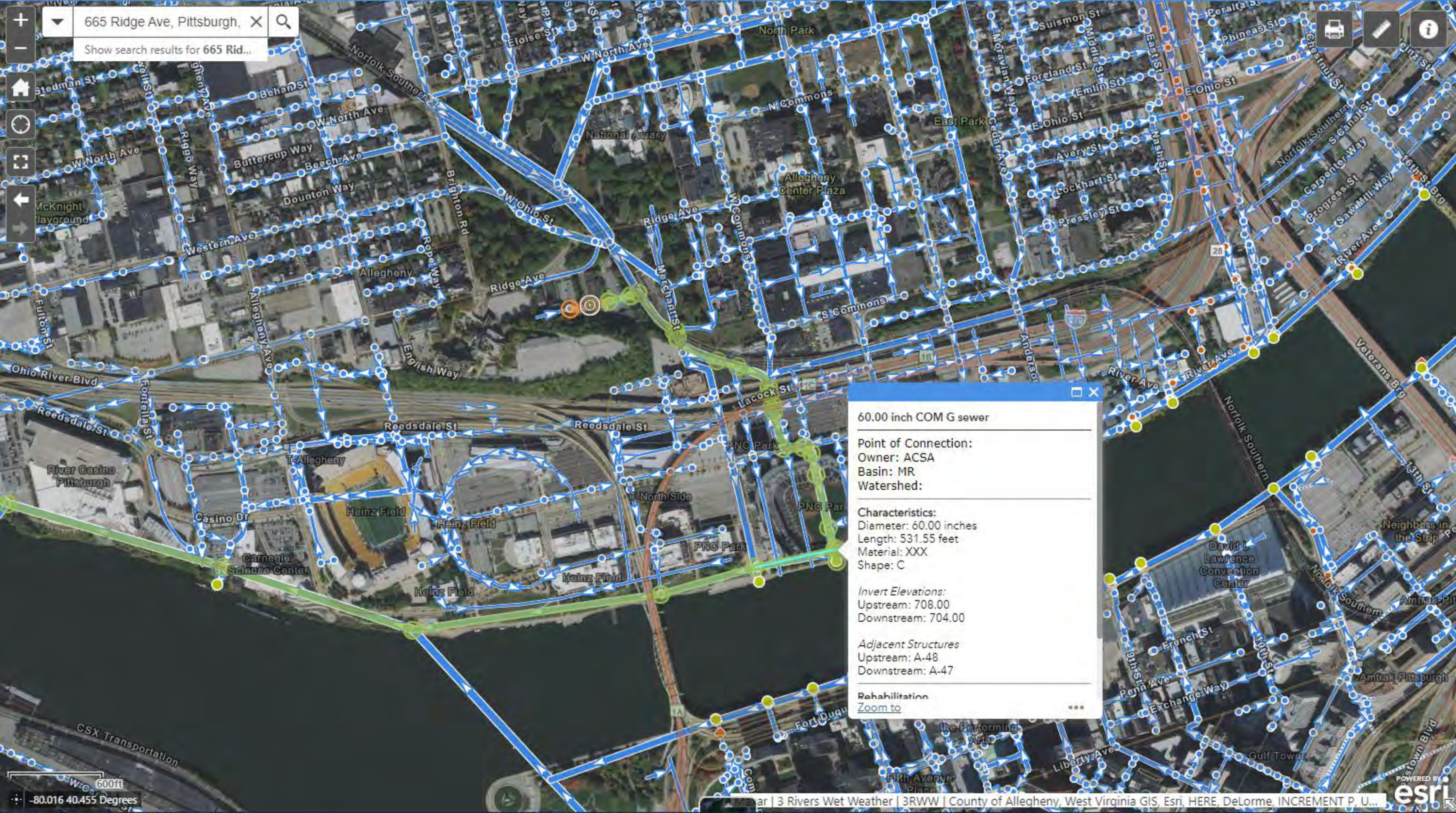
SRC_POC	A-48
OWNER_NAME	PWSA
SEWERTYPE	COM
SEGMENT_ID	MH008B025-MH008B026
PIPE_LGTH	139.31409122
PIPE_DIAM	18
Enabled	1
GlobalID	{EB32292C-B168-431F-9E46-D05D45089DB2}
INCHMILES	0.4749343
PIPE_WIDTH	18
DOWN_MANH	MH008B026
PIPE_SHAPE	C
UPST_MANH	MH008B025
PIPE_MATL	VCP
INVERT_DAL	720.44
Zoom to	...

200ft

-80.013 40.452 Degrees







665 Ridge Ave, Pittsburgh, X

Show search results for 665 Rid...

**60.00 inch COM G sewer**

---

**Point of Connection:**  
 Owner: ACSA  
 Basin: MR  
 Watershed:

---

**Characteristics:**  
 Diameter: 60.00 inches  
 Length: 531.55 feet  
 Material: XXX  
 Shape: C

**Invert Elevations:**  
 Upstream: 708.00  
 Downstream: 704.00

**Adjacent Structures**  
 Upstream: A-48  
 Downstream: A-47

---

**Rehabilitation**  
 Zoom to ...

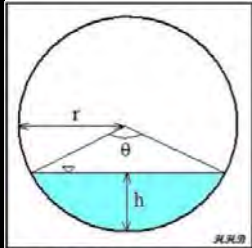
600ft  
-80.016 40.455 Degrees

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

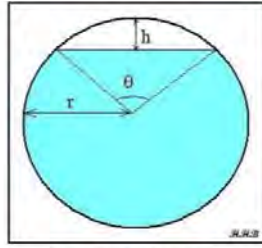
**PROJECT NAME:** Light of Life  
**DATE:** May 13, 2021

**LEGEND:** Input Data Output Data

**Section A: Manning Equation for Partially Filled Pipes**



Partially Full Pipe Flow Parameters (Less Than Half Full)



Partially Full Pipe Flow Parameters (More Than Half Full)

Variable	Units	Description
Q	ft <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>	5,217	gpd

Variable	Value	Units
Material	VCP	
n	0.015	unitless
S	0.071	ft/ft
h	0.300	ft
D	1.50	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

Design Capacity, Peak		
Variable	Value	Unit

$Q_{d, avg}$	4,504,170	gpd
--------------	-----------	-----

D	1.500	ft
r	0.750	ft
A	1.767	ft <sup>2</sup>
P	4.712	ft
R	0.375	ft
$Q_{d, peak}$	24	cfs
$Q_{d, peak}$	15,764,597	gpd

#### Section D: Calculations for Present Flows

Variable	Description	Definition
$Q_{ex, avg}$	Present Flows, Average	existing flow conditions per site investigations
$Q_{ex, peak}$	Present Flows, Peak	= existing flow conditions x peaking factor

Present Flows, Average		
Variable	Value	Unit
D	1.500	ft
r	0.750	ft
$\theta$	1.85	rad
h/D	0.2	ft/ft
A	0.25	ft <sup>2</sup>
P	1.39	ft
R	0.181	ft
$Q_{ex, avg}$	2	cfs
$Q_{ex, avg}$	1,380,526	gpd

Present Flows, Peak		
Variable	Value	Unit
$Q_{ex, peak}$	4,831,843	gpd

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

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

Projected Flow Calculations		
Variable	Value	Unit
$Q_{proj, avg}$	1,451,118	gpd
$Q_{proj, peak}$	5,078,913	gpd

#### Section F: Results

Variable	gpd
$Q_{d, avg}$	4,504,170
$Q_{d, peak}$	15,764,597
$Q_{ex, avg}$	1,380,526
$Q_{ex, peak}$	4,831,843
$Q_{proj, avg}$	1,451,118
$Q_{proj, peak}$	5,078,913

Flow monitoring was not performed. Flow depth was assumed to be 0.2 x Pipe diameter = 0.2 x 1.5' = 0.30' flow. Existing sewer slope used for design calculations was obtained from the Most Limited Capacity Spreadsheet provided by PWSA in Water and Sewer Use Approval Letter. Slope (from MH008B025 to MH008B026) = rise/run = (748.08-738.14)/139.31 = 7.14%





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

## SEWAGE FACILITIES PLANNING MODULE

### Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

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

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

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

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

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

#### A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name Light of Life
2. Brief Project Description Renovations and vertical addition to existing building.

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

Municipality Name	County	City	Boro	Twp
City of Pittsburgh	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Battistone	Martina			
Additional Individual Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1	Mailing Address Line 2			
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				

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

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

Light of Life

Site Location Line 1  
665 Ridge Avenue

Site Location Line 2

Site Location Last Line -- City  
Pittsburgh

State  
PA

ZIP+4  
15212

Latitude  
40.450596

Longitude  
-80.010501

Detailed Written Directions to Site

Description of Site Site is located at of ridge Ave and Bank Street

**Site Contact (Developer/Owner)**

Last Name	First Name	MI	Suffix	Phone	Ext.
Schweiger	Craig			412-999-3371	

Site Contact Title Site Contact Firm (if none, leave blank)

FAX	Email
	craigshomeoffice@verizon.net

Mailing Address Line 1	Mailing Address Line 2
913	Western Ave

Mailing Address Last Line -- City	State	ZIP+4
Pittsburgh	PA	15211

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

Last Name	First Name	MI	Suffix
Smith	Robert	L	

Title	Consulting Firm Name
Project Manager	KU Resources, Inc.

Mailing Address Line 1	Mailing Address Line 2
22 South Linden Street	

Address Last Line -- City	State	ZIP+4	Country
Duquesne	PA	15110	US

Email	Area Code + Phone	Ext.	Area Code + FAX
rsmith@kuresources.com	412-469-9331	1019	412-469-9336

**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 & 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 13

Connections \_\_\_\_\_

Name of:

existing collection or conveyance system Ridge Ave - 18" (VCP)

owner Pittsburgh Water and Sewer Authority

existing interceptor Allegheny River Interceptor

owner Allegheny County Sanitary Authority (ALCOSAN)

**2. WASTEWATER TREATMENT FACILITY**

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

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

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

Name of existing facility ALCOSAN Woods Run WWTP

NPDES Permit Number for existing facility PA0025984

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

Location of discharge point for a new facility. Latitude 40°28'34" N Longitude 80°02'44" W

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

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

Name of Permittee Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature Shawn P. McWilliams Date 08/18/2021

(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 APB

**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 5217 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

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

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	4504170	15764597	1380526	4831843	1451118	5078913
Conveyance	—	25.3 MGD	4.42 MGD	4.78 MGD	4.47 MGD	4.84 MGD
Treatment	209.3 MGD	250.0 MGD	190.2 MGD	236.0 MGD	219.0 MGD	295.0 MGD

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 Pittsburgh Water & Sewer Authority

Name of Responsible Agent Barry King, PE, PMP

Agent Signature [Signature] Date 7/19/2021

**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 5217 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>						
<b>Conveyance</b>	---	23.3 MGD	4.42 MGD	4.78 MGD	4.47 MGD	4.84 MGD
<b>Treatment</b>	209.3 MGD	250.0 MGD	190.2 MGD	250.0 MGD	219.0 MGD	295.0 MGD

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 \_\_\_\_\_

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 ALCOSAN

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature *Shawn P. McWilliams*

Date 08/18/2021

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 **\*ALCOSAN IS UNDER A CONSENT DECREE TO ADDRESS WET WEATHER OVERFLOWS.**

- a.  YES  NO 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 Shawn P. McWilliams, EIT

Agent Signature *Shawn P. McWilliams*

Date 08/18/2021

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

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

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

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

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

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

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

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

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

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

**O. SEWAGE MANAGEMENT** (See Section O of instructions)

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

Yes No

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

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

2. Project Flows \_\_\_\_\_ gpd

Yes No

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

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

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

4. Collection and Conveyance Facilities

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

Yes No

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

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

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

- b. Collection System

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

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

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

Date \_\_\_\_\_

- c. Conveyance System

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

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

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

Date \_\_\_\_\_

5. Treatment Facility

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

Yes No

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

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

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

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

**(For completion by the municipality)**

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

---

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

---

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

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

**Yes No**


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

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

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

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

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

Adam Ballish	
Name (Print)	Signature
Engineer	05/13/21
Title	Date
22 South Linden Street, Duquesne PA 15110	412-469-9331
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.

$$\#13 \quad \text{Lots (or EDUs)} \times \$50.00 = \$650$$

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:

$$\begin{aligned} & \$ 1,500 \text{ per submittal (non-municipal)} \\ & \$ 500 \text{ per submittal (municipal)} \end{aligned}$$

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

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

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

The fee is based upon:

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

$$\begin{aligned} & \$ 1,500 \text{ per submittal (non-municipal)} \\ & \$ 500 \text{ per submittal (municipal)} \end{aligned}$$

## 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: 665 Ridge Ave - Light of Life

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

1. Date plan received by municipal planning agency March 31, 2021

2. Date review completed by agency May 17, 2021

#### 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 type="checkbox"/>	<input checked="" type="checkbox"/>	9. Is this proposal consistent with the ordinance? If no, describe the inconsistencies <u>Under Review</u>
<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 type="checkbox"/>	<input checked="" type="checkbox"/>	11. Have all applicable zoning approvals been obtained? <u>Under Review</u>
<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>Principal Environmental Planner</u> Signature: <u><i>Martina Wolf Battistone</i></u> Date: <u>May 17, 2021</u> Name of Municipal Planning Agency: <u>City of Pittsburgh Dept. 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.

COUNTY OF



ALLEGHENY

RICH FITZGERALD  
COUNTY EXECUTIVE

August 26, 2021

Adam Ballish, EIT  
KU Resources, Inc.  
22 South Linden Street  
Duquesne, PA 15110

**RE: SEWAGE FACILITIES PLANNING MODULE; ALLEGHENY COUNTY**  
**Light of Life, City of Pittsburgh**

Dear Mr. Ballish:

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 August 24, 2021. The project proposes the following:

Project Description:	Light of Life. Proposing the renovation of the existing two-story building with a 3rd floor addition (Parcel 8-B-32) and the anticipated use of the building to be in support of forty (40) housing units with the exception of the 3rd floor addition which will be dedicated to the use of a women's shelter and supporting services located at 665 Ridge Avenue in the City of Pittsburgh, Allegheny County.
Sewage Flow:	5,217 GPD
Conveyance:	The flow from this site will be conveyed to the Pittsburgh Water and Sewer Authority (PWSA) collection system to ALCOSAN POC A-48 to the Allegheny 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

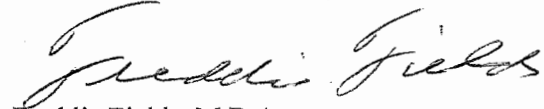


Mr. Adam Ballish, EIT  
August 26, 2021  
Page 2

In addition, it should be noted that the approval of this sewage facilities planning module does not include approval of pipe size and/or type. Approval for pipe size and/or type must be obtained by filing a specific plumbing plan with the ACHD's Plumbing Section. If you should have any questions relative to ACHD's plumbing requirements, you can 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)



## 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.

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

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

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

Project Name \_\_\_\_\_  
 Light of Life \_\_\_\_\_

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

1. Date plan received by county or joint county health department August 24, 2021  
 Agency name Allegheny County Health Department (ACHD)
2. Date review completed by agency August 26, 2021

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

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan? If no, what are the inconsistencies? _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. 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"/>	3. Is there any known groundwater degradation in the area of this proposal? If yes, describe _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. The county or joint county health department recommendation concerning this proposed plan is as follows: <u>ACHD recommends approval. See attached letter.</u>
		5. Name, title and signature of person completing this section: Name: <u>Freddie Fields</u> Title: <u>Environmental Health Engineer III</u> Signature: <u><i>Freddie Fields</i></u> Date: <u>August 26, 2021</u> Name of County Health Department: <u>ACHD</u> Address: <u>3901 Penn Avenue, Building #5, Pittsburgh, PA 15224-1318</u> Telephone Number: <u>412-578-8046</u>

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

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

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

## 1. PROJECT INFORMATION

Project Name: **Light of Life Ridge**

Date of Review: **5/14/2021 09:09:55 AM**

Project Category: **Development, Additions/maintenance to existing development facilities**

Project Area: **2.52 acres**

County(s): **Allegheny**

Township/Municipality(s): **PITTSBURGH**

ZIP Code:

Quadrangle Name(s): **PITTSBURGH WEST**

Watersheds HUC 8: **Lower Allegheny**

Watersheds HUC 12: **Allegheny River-Ohio River**

Decimal Degrees: **40.450490, -80.010432**

Degrees Minutes Seconds: **40° 27' 1.7649" N, 80° 0' 37.5545" W**

## 2. SEARCH RESULTS

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

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

## Light of Life Ridge

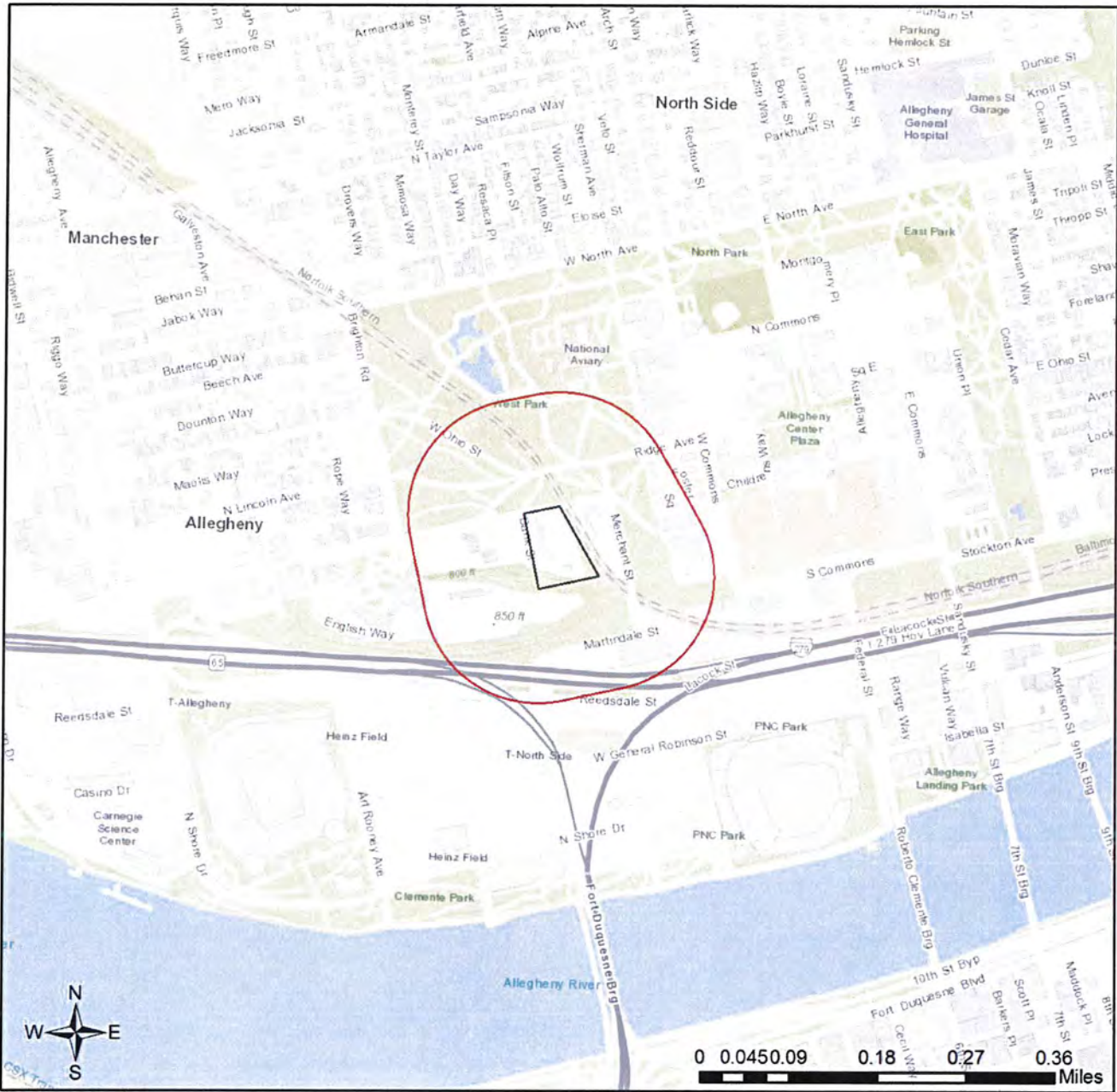


- Project Boundary
- Buffered Project Boundary

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community  
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China

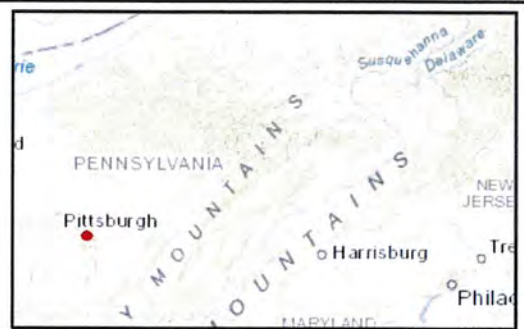


### Light of Life Ridge



- Project Boundary
- Buffered Project Boundary

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





### 3. AGENCY COMMENTS

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

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

#### PA Game Commission

##### RESPONSE:

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

#### PA Department of Conservation and Natural Resources

##### RESPONSE:

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

#### PA Fish and Boat Commission

##### RESPONSE:

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

#### U.S. Fish and Wildlife Service

##### RESPONSE:

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

### 4. DEP INFORMATION

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

## 5. ADDITIONAL INFORMATION

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

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

## 6. AGENCY CONTACT INFORMATION

### PA Department of Conservation and Natural Resources

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

### PA Fish and Boat Commission

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

### U.S. Fish and Wildlife Service

Pennsylvania Field Office  
Endangered Species Section  
110 Radnor Rd; Suite 101  
State College, PA 16801  
Email: [IR1\\_ESPenn@fws.gov](mailto:IR1_ESPenn@fws.gov)  
NO Faxes Please

### PA Game Commission

Bureau of Wildlife Habitat Management  
Division of Environmental Planning and Habitat Protection  
2001 Elmerton Avenue, Harrisburg, PA 17110-9797  
Email: [RA-PGC\\_PNDI@pa.gov](mailto:RA-PGC_PNDI@pa.gov)  
NO Faxes Please

## 7. PROJECT CONTACT INFORMATION

Name: Adam Ballish  
Company/Business Name: KD Resources Inc.  
Address: 22 South Linden Street  
City, State, Zip: Duquesne, PA 15110  
Phone: (412) 469-9331 Fax: (412) 469-9336  
Email: aballish@kdresources.com

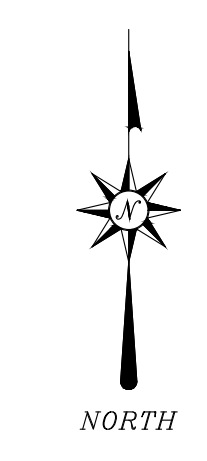
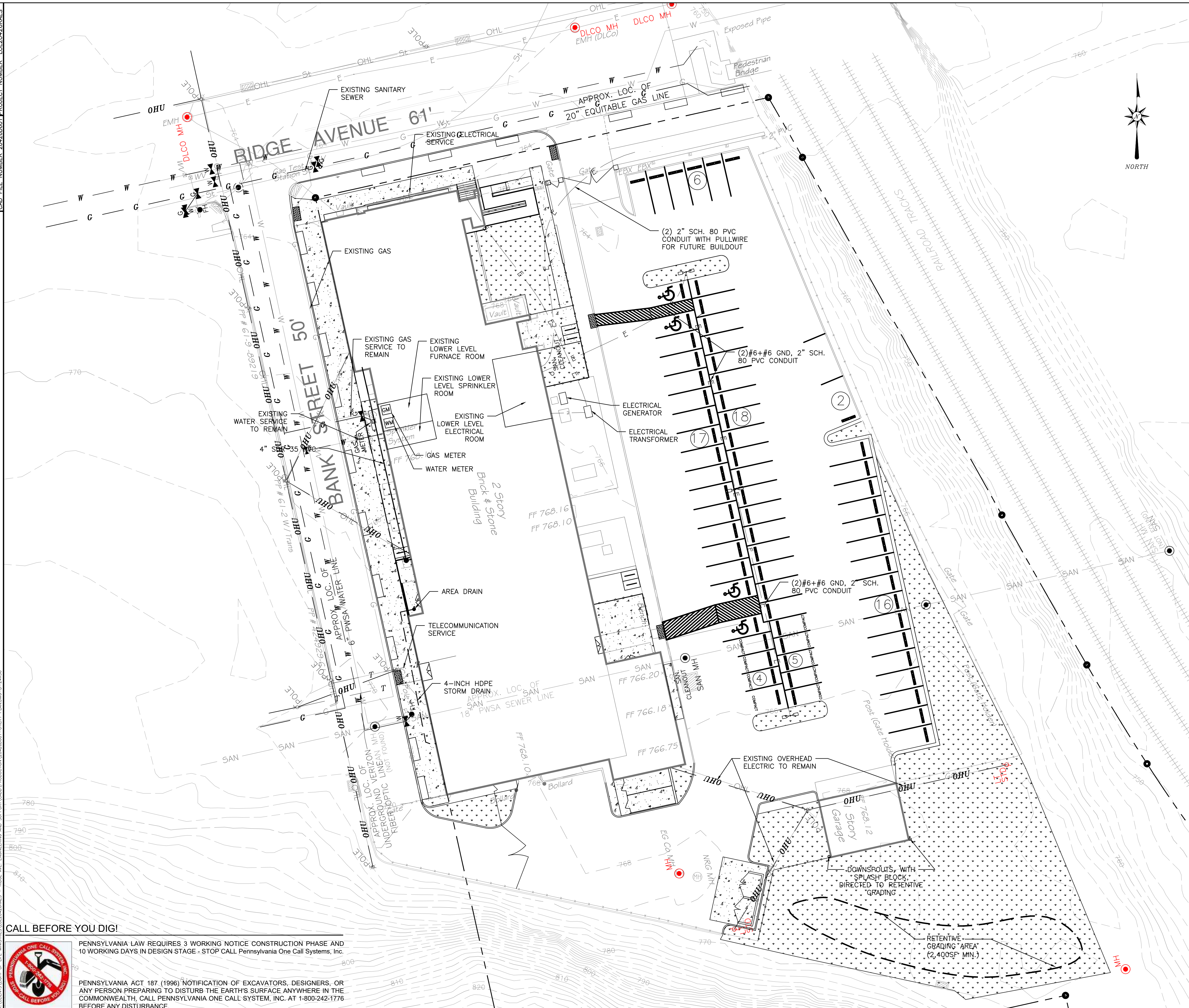
## 8. CERTIFICATION

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

Adam Ballish  
applicant/project proponent signature

06/16/21  
date

CAD FILE NUMBER: 204260601 PROJECT NUMBER: LOI2042606AS



**LEGEND**

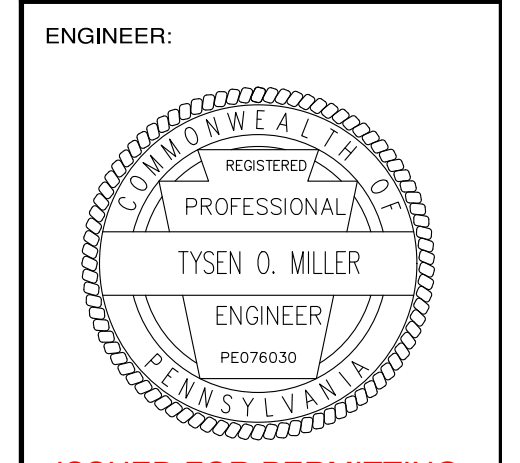
	EXISTING CONTOUR MAJOR
	EXISTING CONTOUR MINOR
	EXISTING ELECTRIC LINE
	EXISTING OVERHEAD UTILITY
	EXISTING CATCH BASIN
	EXISTING MANHOLE
	EXISTING STORMWATER
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING UTILITY POLE
	EXISTING COMMUNICATION LINE
	EXISTING RAILROAD
	PROPERTY LINE
	EXISTING FENCE
	EXISTING GATE
	EXISTING CURB
	EXISTING BUILDING
	PROPOSED CONCRETE CURB
	PROPOSED WEDGE CURB
	PROPOSED GRASS
	PROPOSED CONCRETE
	PROPOSED TREE PIT
	PROPOSED BIKE PARKING
	PROPOSED FENCE
	PROPOSED MILL AND OVERLAY
	PROPOSED LIGHT DUTY



NO.	REVISION DESCRIPTION	DATE	APPROVED

SCALE:  
DATE:  
DRAWN:  
CHECKED:  
APPROVED:

REFERENCE:  
BOUNDARY INFORMATION BY:  
PITTSBURGH BOARD OF PUBLIC  
EDUCATION, 1966  
TOPOGRAPHIC SURVEY BY: HAMPTON  
TECHNICAL, 10-31-12  
PROJECT NAME: LIGHT OF LIFE RIDGE  
PROJECT DATE:



**ISSUED FOR PERMITTING**

PREPARED BY:

**KU Resources, Inc.**  
22 South Linden Street  
Duquesne, PA 15110  
412.469.9331  
412.469.9336 fax  
www.kuresources.com

PREPARED FOR:

Light of Life Ministries, Inc.  
913 Western Avenue,  
Pittsburgh, PA 15211

PROJECT:

Light of Life  
665 Ridge Avenue,  
Pittsburgh, PA 15212

DRAWING TITLE:

UTILITY PLAN

SHEET NO.

**C-601**

**CALL BEFORE YOU DIG!**



PENNSYLVANIA LAW REQUIRES 3 WORKING NOTICE CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL Pennsylvania One Call Systems, Inc.

PENNSYLVANIA ACT 187 (1996) NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH, CALL PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1-800-242-1776 BEFORE ANY DISTURBANCE.

N/F COMMUNITY COLLEGE OF ALLEGHENY COUNTY  
BLOCK & LOT  
8-F-20

D.B.V. 8944, PG. 35, 4-09-1993  
CITY OF PITTSBURGH  
TO  
BOARD OF TRUSTEES OF COMMUNITY COLLEGE OF ALLEGHENY COUNTY  
BLOCK & LOT  
8-F-12

D.B.V. 6324, PG. 53, 11-11-1980  
SIGNET ASSOCIATES  
TO  
ALLEGHENY COUNTY MEDICAL SOCIETY  
BLOCK & LOT  
8-B-8

Underground utilities have been plotted from available information and the locations must be considered approximate. Other underground utilities may exist which are not shown. It will be the contractor's responsibility to ascertain all physical locations of utility lines prior to the time of construction. In no way shall the contractor hold the surveyor responsible for any utility locations shown or not shown on this plan.

Pennsylvania legislation, act 38, requires notification to utility companies prior to any digging, drilling, blasting, or excavation. For location requests in the state of Pennsylvania call toll free.

1-800-242-1776 Serial # 0476211

NOTE: BOUNDARY SHOWN IS FROM PLAN DATED FEB. 3, 1966 AND WAS PROVIDED BY THE PITTSBURGH BOARD OF PUBLIC EDUCATION. NO CURRENT DEEDS AVAILABLE AT COUNTY AT TIME OF THIS SURVEY.

NOTE: PROPERTY SUBJECT TO ANY ISSUES THAT MAY BE REVEALED BY A CURRENT AND COMPLETE TITLE REPORT.

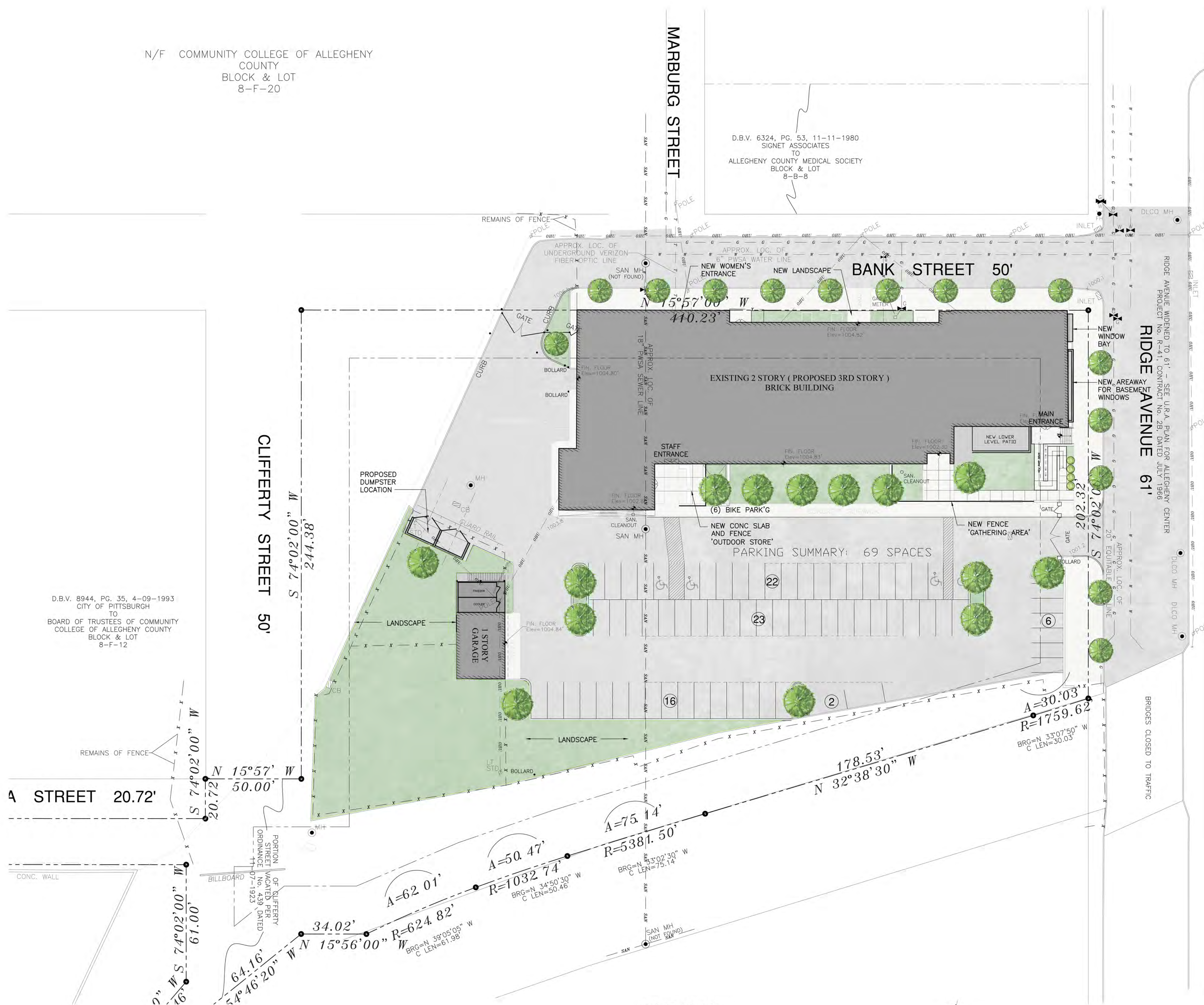
NOTE: ELEVATIONS ARE BASED ON AN ASSUMED ELEVATION DATUM.

These drawings are instruments of the Architect's and Interior Design services and are the property of Integrity Design, LLC. They shall not be reproduced or used in any way without written permission of Integrity Design, LLC.

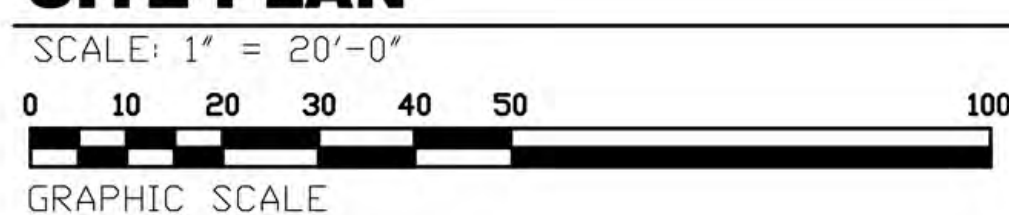
REVISIONS:

LEGEND

- CHAIN LINK FENCE
- GASLINE
- WATERLINE
- SANITARY SEWER
- STORM SEWER
- OVERHEAD UTILITIES
- GAS VALVE
- GAS METER
- WATER VALVE
- FIRE HYDRANT
- CATCH BASIN
- ELECTRIC METER
- CLEAN OUT
- SANITARY MANHOLE
- STORM MANHOLE
- UNKNOWN MANHOLE
- TELEPHONE POLE
- STANDARD LIGHT POLE

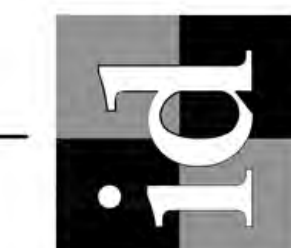


SITE PLAN



Proposed Demolition Plan for:  
**Light-of-Life Rescue Mission**  
RIDGE AVENUE  
PITTSBURGH, PA  
ALLEGHENY COUNTY

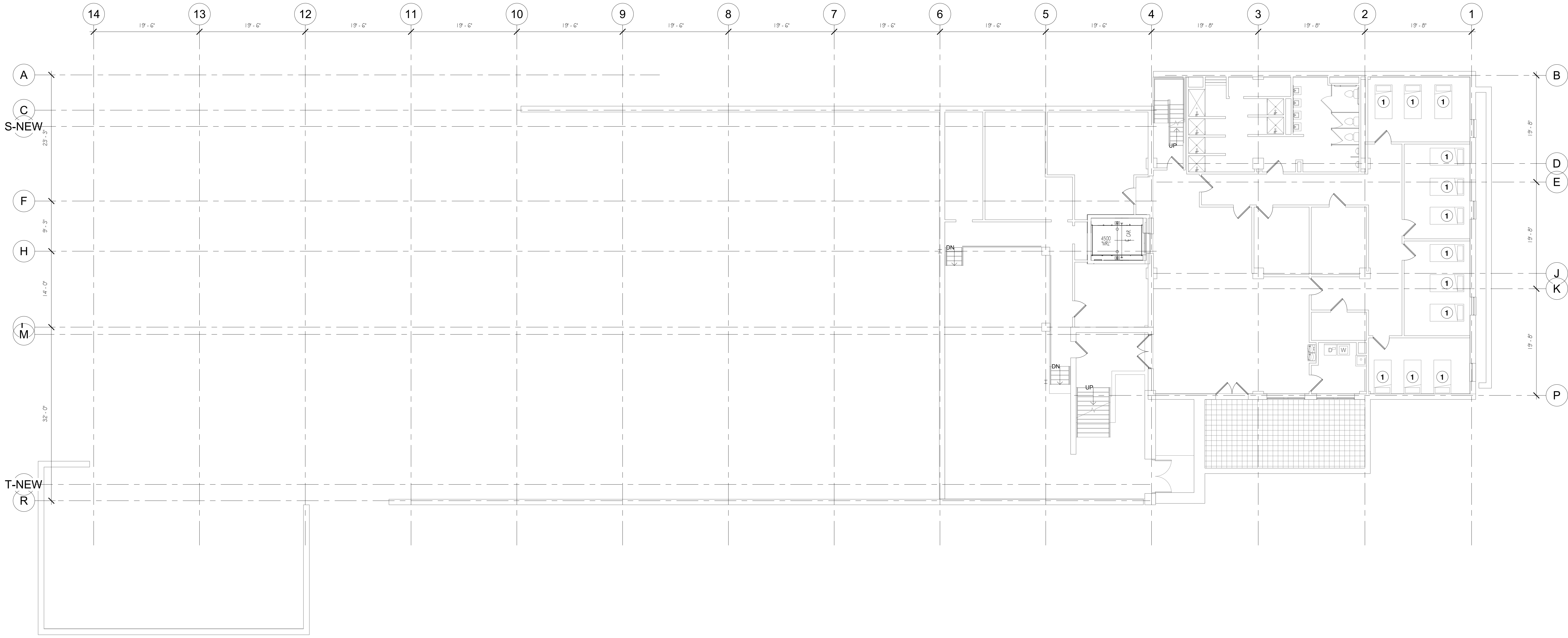
INTEGRITY DESIGN  
ARCHITECTURE & INTERIORS  
466 Washington Avenue, Suite 100  
Pittsburgh, PA 15222  
412-220-7822 P 412-220-7821 F



DATE:  
1 SEPTEMBER 2020  
PROJECT NO.  
2020-017  
ARCHITECTURAL SITE PLAN  
SHEET NO.  
**AS1.1**

These drawings are instruments of the Architect's and Interior Design services and are the property of Integrity Design, LLC. They shall not be reproduced or used in any way without written permission of Integrity Design, LLC.

**REVISIONS:**



**LOWER LEVEL PLAN**  
SCALE: 1/8" = 1'-0"

1  
A1.0

Proposed Demolition Plan for:  
**Light-of-Life Rescue Mission**  
RIDGE AVENUE  
PITTSBURGH, PA  
ALLEGHENY COUNTY

**INTEGRITY DESIGN**  
ARCHITECTURE & INTERIORS, LLC  
100  
Avenue D, Pittsburgh, PA 15207  
412-320-7822 P 412-320-7821 F



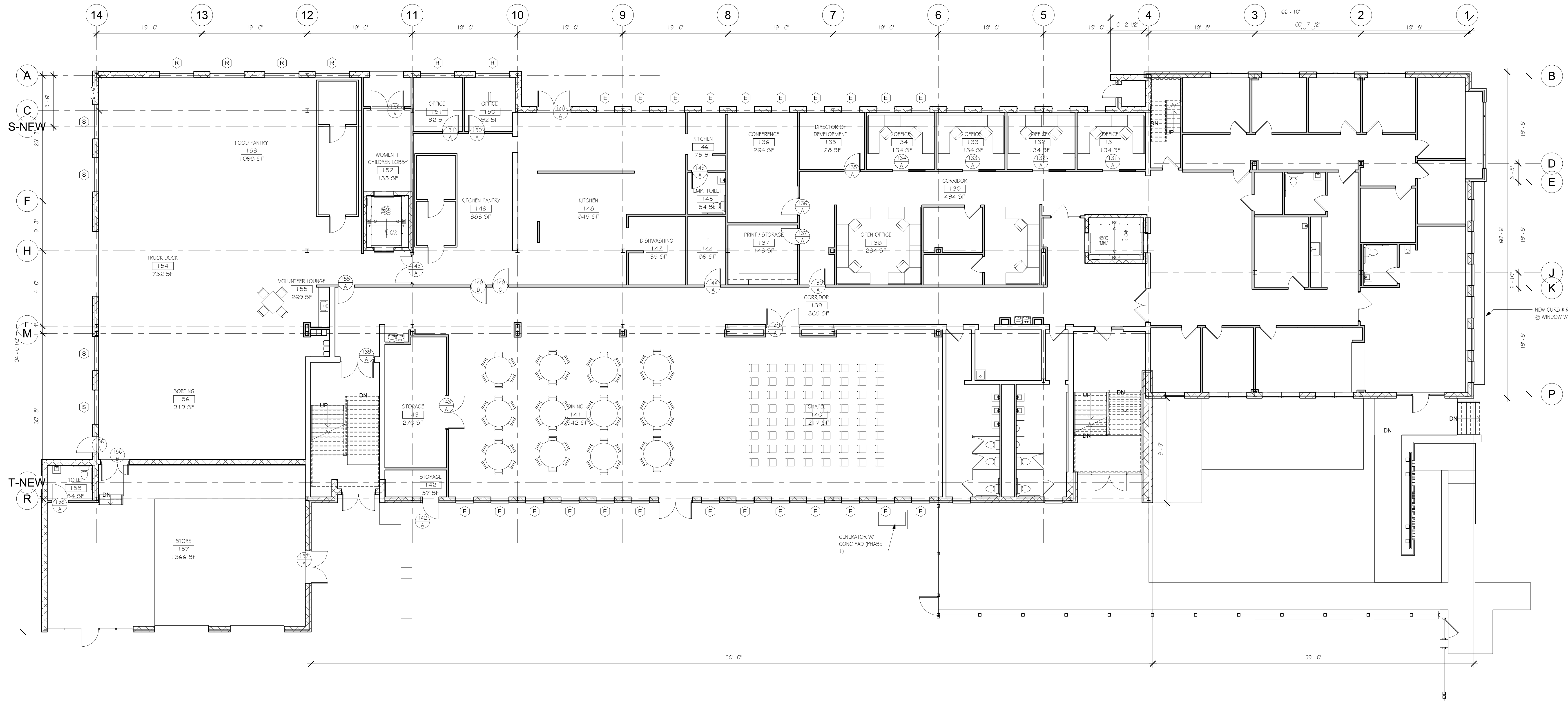
DATE:  
01 SEPTEMBER 2020

PROJECT NO.  
2017-036

**LOWER LEVEL PLAN**  
PHASE 2

SHEET NO.  
**A1.0**

These drawings are instruments of the Architect's and Interior Design services and are the property of Integrity Design, LLC. They shall not be reproduced or used in any way without written permission of Integrity Design, LLC.



**FIRST FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

I  
A1.1

**REVISIONS:**

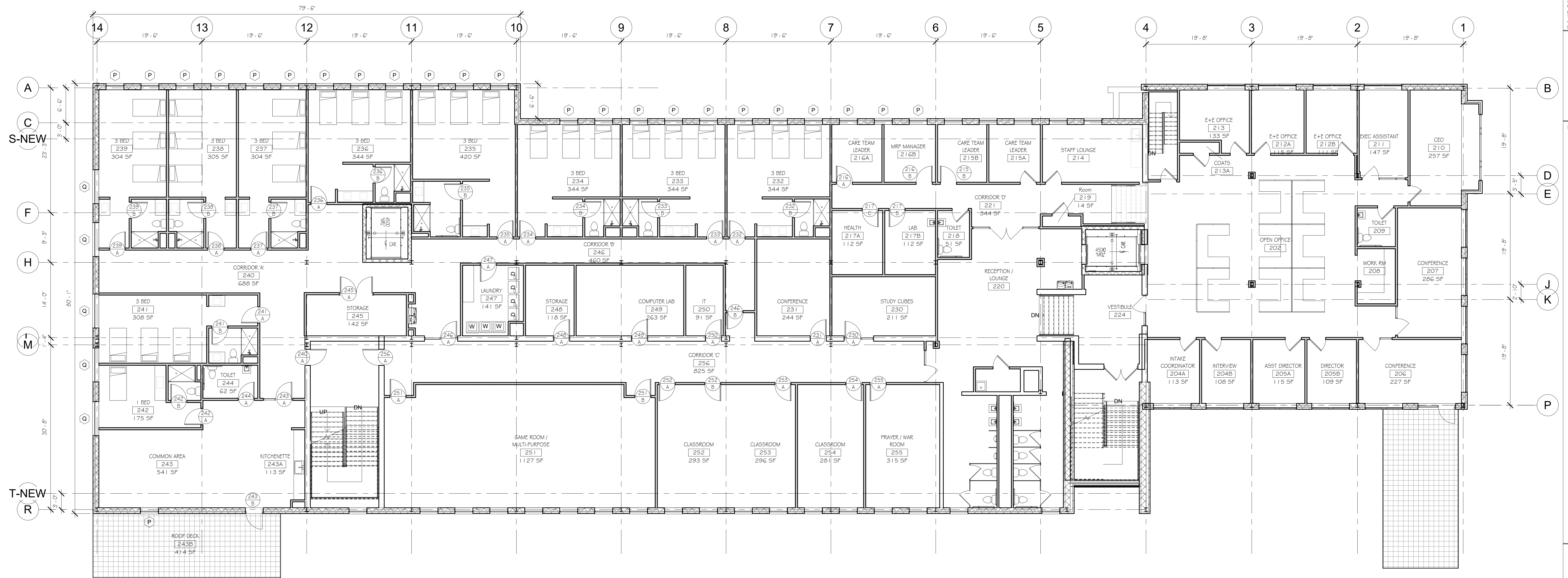
Proposed Demolition Plan for:  
**Light-of-Life Rescue Mission**  
RIDGE AVENUE  
PITTSBURGH, PA  
ALLEGHENY COUNTY

**INTEGRITY DESIGN**  
ARCHITECTURE & INTERIORS, LLC  
Avenue D, Suite 100  
Pittsburgh, PA 15207  
412-230-7822 P 412-330-7821 F



DATE: 01 SEPTEMBER 2020  
PROJECT NO. 2017-036  
FIRST FLOOR PLAN  
PHASE 2  
SHEET NO. **A1.1**

These drawings are instruments of the Architect's and Interior Design services and are the property of Integrity Design, LLC. They shall not be reproduced or used in any way without written permission of Integrity Design, LLC.



**SECOND FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

2  
A1.2

**REVISIONS:**

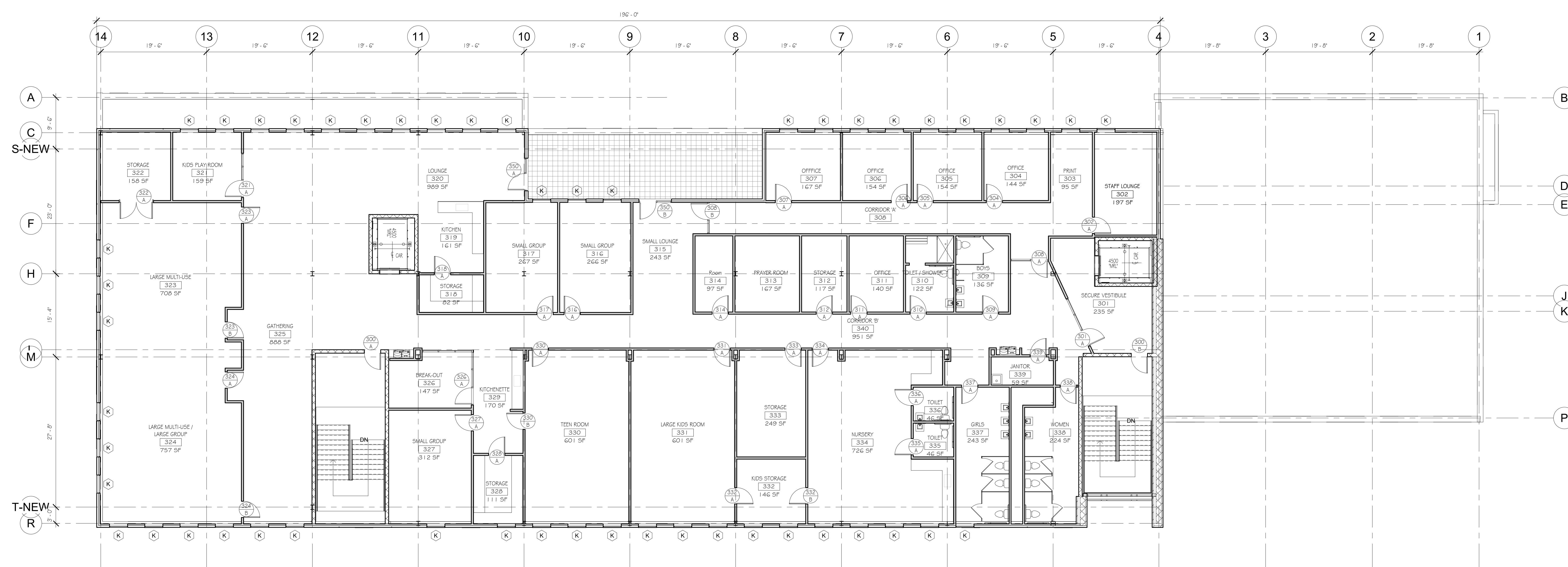
Proposed Demolition Plan for:  
**Light-of-Life Rescue Mission**  
RIDGE AVENUE, PA  
PITTSBURGH, PA  
ALLEGHENY COUNTY

**INTEGRITY DESIGN**  
ARCHITECTURE & INTERIORS, LLC  
Avenue D, Suite 100  
Pittsburgh, PA 15207  
412-220-7822 P 412-330-7821 F



DATE: 01 SEPTEMBER 2020  
PROJECT NO. 2017-036  
**SECOND FLOOR PLAN**  
PHASE 2  
SHEET NO. **A1.2**

These drawings are instruments of the Architect's and Interior Design services and are the property of Integrity Design, LLC. They shall not be reproduced or used in any way without written permission of Integrity Design, LLC.



REVISIONS:

D  
E  
J  
K  
P

**THIRD FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

I  
A1.3

Proposed Demolition Plan for:  
**Light-of-Life Rescue Mission**  
RIDGE AVENUE  
PITTSBURGH, PA  
ALLEGHENY COUNTY

INTEGRITY DESIGN  
ARCHITECTURE & INTERIORS, LLC  
Avenue 10017  
Pittsburgh, PA 15206  
412-220-7822 P 412-330-7821 F



DATE: 01 SEPTEMBER 2020  
PROJECT NO. 2017-036  
THIRD FLOOR PLAN PHASE 2  
SHEET NO. **A1.3**



Parcel ID : 0008-B-00032-0000-00  
Property Address : 665 RIDGE AVE  
PITTSBURGH, PA 15212

Municipality : 122 22nd Ward - PITTSBURGH  
Owner Name : LIGHT OF LIFE MINISTRIES INC

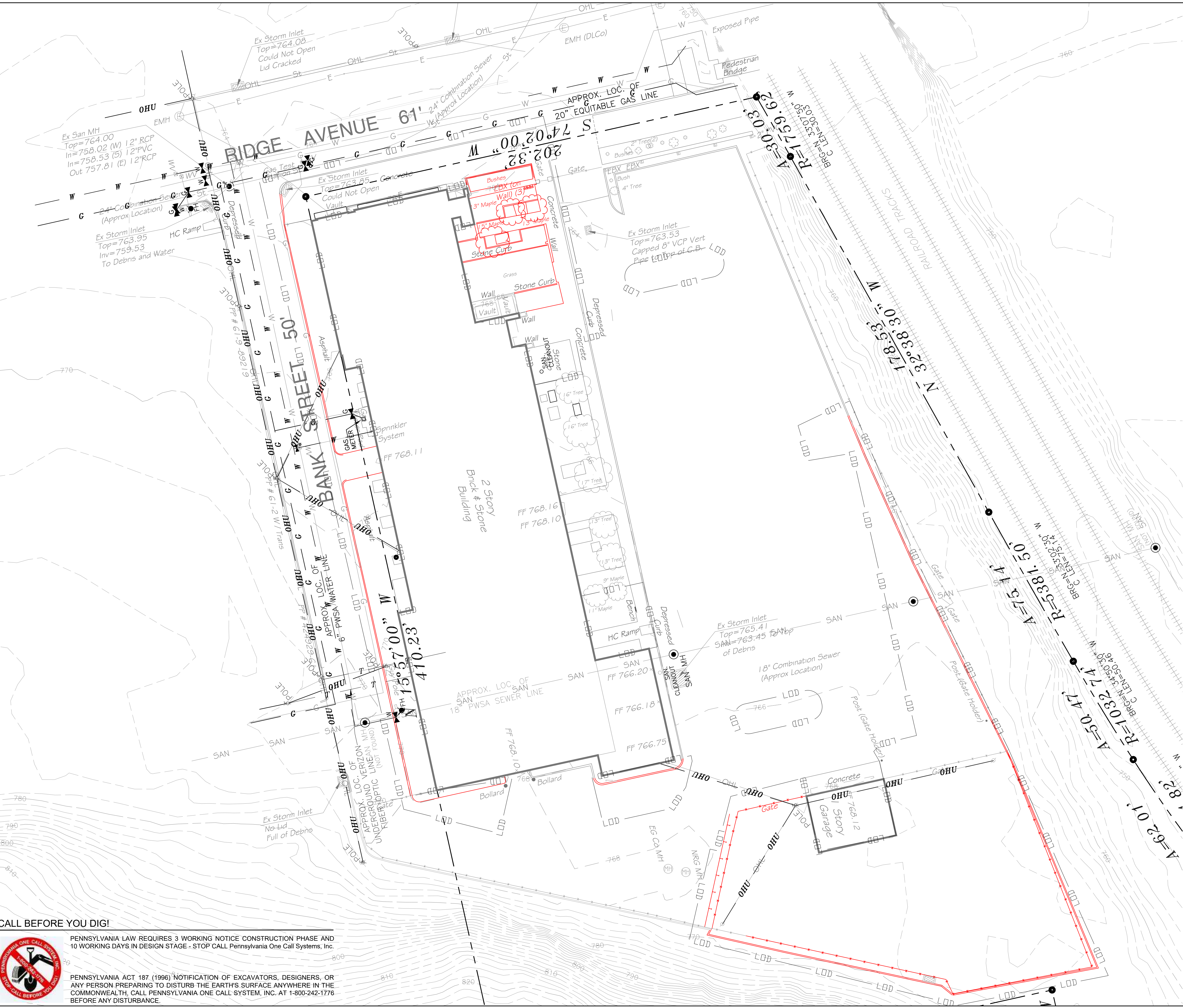
Data displayed on this map is for informational purposes only. It is not survey accurate and is meant to only show a representation of property lines.

Print

Note: This button uses pop-ups. Please click help button for further printing instructions.



CAD FILE NUMBER 204260100 PROJECT NUMBER LO120426RAES  
 KALLEN LIGHT OF LIFE MINISTRIES AND SUPPORT/LOAD PRODUCTION 204260100 - ROUGH AGE ENGINEERING AND SUPPORT/LOAD PRODUCTION 204260100 - EXISTING CONDITIONS DWG-10001



**LEGEND**

- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- EXISTING ELECTRIC LINE
- EXISTING OVERHEAD UTILITY
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- EXISTING STORMWATER
- EXISTING GAS LINE
- EXISTING WATER LINE
- EXISTING UTILITY POLE
- EXISTING COMMUNICATION LINE
- EXISTING RAILROAD
- PROPERTY LINE
- EXISTING FENCE
- EXISTING CURB
- EXISTING BUILDING
- EXISTING TREE/BUSH
- LIMITS OF DISTURBANCE

NO.	REVISION DESCRIPTION	DATE	APPROVED

SCALE:  
 DATE:  
 DRAWN:  
 CHECKED:  
 APPROVED:

REFERENCE:  
 BOUNDARY INFORMATION BY:  
 PITTSBURGH BOARD OF PUBLIC  
 EDUCATION, 1966  
 TOPOGRAPHIC SURVEY BY: HAMPTON  
 TECHNICAL, 10-31-12  
 PROJECT NAME: LIGHT OF LIFE RIDGE  
 PROJECT DATE:

ENGINEER:

**ISSUED FOR PERMITTING**

PREPARED BY:

**KU Resources, Inc.**  
 22 South Linden Street  
 Duquesne, PA 15110  
 412.469.9331  
 412.469.9336 fax  
[www.kuresources.com](http://www.kuresources.com)

PREPARED FOR:

Light of Life Ministries, Inc.  
 913 Western Avenue,  
 Pittsburgh, PA 15211

PROJECT:

Light of Life  
 665 Ridge Avenue,  
 Pittsburgh, PA 15212

DRAWING TITLE:

EXISTING CONDITION /  
 DEMOLITION PLAN

SHEET NO.

**C-101**

- NOTES:**
- BOUNDARY AND TOPOGRAPHICAL SURVEY COMPLETED BY HAMPTON TECHNICAL ASSOCIATES DATED 10-31-2012. VERTICAL SURVEY DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88) AND THE HORIZONTAL SURVEY DATUM IS NORTH AMERICAN DATUM OF 1983. PENNSYLVANIA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, U.S. SURVEY FOOT (PA83-SF).
  - ACCORDING TO THE PNDI PROJECT ENVIRONMENTAL REVIEW, PROJECT SEARCH ID: PNDI-XXX, THERE ARE NO KNOWN IMPACTS TO THREATENED AND ENDANGERED SPECIES AND/OR SPECIAL CONCERN SPECIES AND RESOURCES WITHIN THE PROJECT AREA.
  - THERE ARE NO KNOWN WETLANDS WITHIN THE PROJECT AREA.
  - THERE ARE NO KNOWN MINES WITHIN THE PROJECT AREA.
  - THERE ARE NO KNOWN GAS WELLS WITHIN THE PROJECT AREA.
  - EXISTING SITE FEATURES SHOWN HERE IN BOLD OR ANNOTATED, ARE TO BE REMOVED AS NECESSARY TO FACILITATE THE PROPOSED WORK, SEE SITE LAYOUT DRAWING.
  - THE EXACT LOCATION AND DEPTH OF ALL UTILITIES MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
  - COORDINATE ALL SAW CUTTING OF PAVING AND REMOVALS WITH THE PROPOSED WORK, SEE SITE LAYOUT DRAWING.
  - SAWCUT ALL ENDS OF BITUMINOUS PAVING, CONCRETE PAVING AND CONCRETE CURBS PRIOR TO REMOVAL. REMOVE CONCRETE PAVINGS AT NEAREST PAVING JOINT WHEN POSSIBLE.
  - CLEAR AND GRUB ONLY AS NEEDED TO PERFORM THE PROPOSED WORK. PROTECT EXISTING TO REMAIN TREES AND THEIR ROOT SYSTEMS.
  - REMOVE EXISTING LAWN AND STRIP TOPSOIL ONLY AS REQUIRED TO PERFORM THE PROPOSED WORK, COORDINATE ANY REMOVAL OR STRIPPING WORK UNDER CANOPY OF EXISTING TREES TO REMAIN WITH PROFESSIONALS.
  - DO NOT STORE TOPSOIL BENEATH THE DRIP LINE OF AN EXISTING TREE TO REMAIN. IF ADDITIONAL TOPSOIL STORAGE SPACE IS REQUIRED COORDINATE WITH THE SITE OWNER.
  - GENERAL CONTRACTOR TO REMOVE AND PROPERLY DISPOSE OF ALL SITE FEATURES SHOWN TO BE REMOVED. ANY ELECTRICAL RELATED DEMOLITION TO BE COMPLETED BY ELECTRICAL CONTRACTOR. ALL OTHER SITE DEMOLITION TO BE COMPLETED BY GENERAL CONTRACTOR.
  - GENERAL CONTRACTOR TO COORDINATE ANY UTILITY REMOVALS/RELOCATIONS SHOWN WITH THE APPROPRIATE OVERSEEING AUTHORITIES/OWNERS.
  - PROTECT EXISTING SITE FEATURES TO REMAIN FROM DAMAGE.
  - VERIFY DEMOLITION WITH COMPLETE DRAWING BID PACKAGE.
  - ITEMS TO BE DEMOLISHED IN RED.



**CALL BEFORE YOU DIG!**

PENNSYLVANIA LAW REQUIRES 3 WORKING NOTICE CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL Pennsylvania One Call Systems, Inc.

PENNSYLVANIA ACT 187 (1996) NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH, CALL PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1-800-242-1776 BEFORE ANY DISTURBANCE.

February 24, 2021

Jacob Catt  
KU Resources, Inc.  
22 South Linden Street  
Duquesne, PA 15110

Subject: Water and Sewer (W&S) Use Approval  
Project Name: 665 Ridge Ave.  
PWSA Project No.: 20014.10

Dear Jacob:

The W&S Use Application for the Project has been approved, as summarized below:

<b>Type of Flow</b>	<b>Sanitary, gpd</b>	<b>Water, gpd</b>	<b>Storm, cfs</b>
<i>Project Flow</i>	5,450	5,450	
<i>Existing Flow</i>	233	233	
<i>Net Flow</i>	5,217	5,217	

The PWSA shall request the Department of Environmental Protection (DEP) to issue a Final Determination on the Need for Sewage Planning. If sewage planning is required, we have enclosed for your use the location of the most limited capacity sewer (MLCS). The hydraulic capacity of the MLCS shall be determined via the following method:

- Peak Flow Depth Measurements (Sanitary Net Flow  $\leq$  2,000 gpd)
- Flow Monitoring (Sanitary Net Flow  $>$  2,000 gpd)

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 412-255-8800 x9996 [mbridges@pgh2o.com](mailto:mbridges@pgh2o.com).

Sincerely,

Midori Bridges  
Cooperative Education Intern

Enclosure(s)

cc: Barry King, PE, PMP – PWSA (via email)  
Kate Mechler, PE – PWSA (via email)  
Robert Herring, PE, PMP – PWSA (via email)  
eBuilder – Filing System (via email)



## Water and Sewer (W/S) Use Application Form

**Instructions** The complete W/S Use Application shall be uploaded via e-builder. To obtain an e-builder project folder, please make a request on our website at [www.pgh2o.com/permits](http://www.pgh2o.com/permits). In addition, please refer to the Developer’s Manual for detailed information on application requirements.

- Requirements**
- Application Fee       Application Form       Narrative
- Flow Calculations       Site Plan       Floor Plan

**Project Info**

Project Name: Light of Life

Address: 665 Ridge Avenue  
Pittsburgh, PA 15212

Is the Project located on a lot created prior to May 15, 1972?     YES     NO

**Owner/Developer**

Name: Light of Life Ministries

Address: 913 Western Avenue  
Pittsburgh, PA 15211

Email: craigshomeoffice@verizon.net

Phone Number: 412-999-3371

**Consultant**

Firm Name: KU Resources, Inc.

Address: 22 South Linden Street  
Duquesne, PA 15110

Contact Name: Jacob Catt

Email: jcatt@kuresources.com

Phone Number: 412-469-9331

**Flow Data**

Type of Flow	Sanitary, gpd	Water, gpd	Storm, cfs
Project Flow	5,450	5,450	
Existing Flow	233	233	
Net Flow	5,217	5,217	Not Required

**Signature**

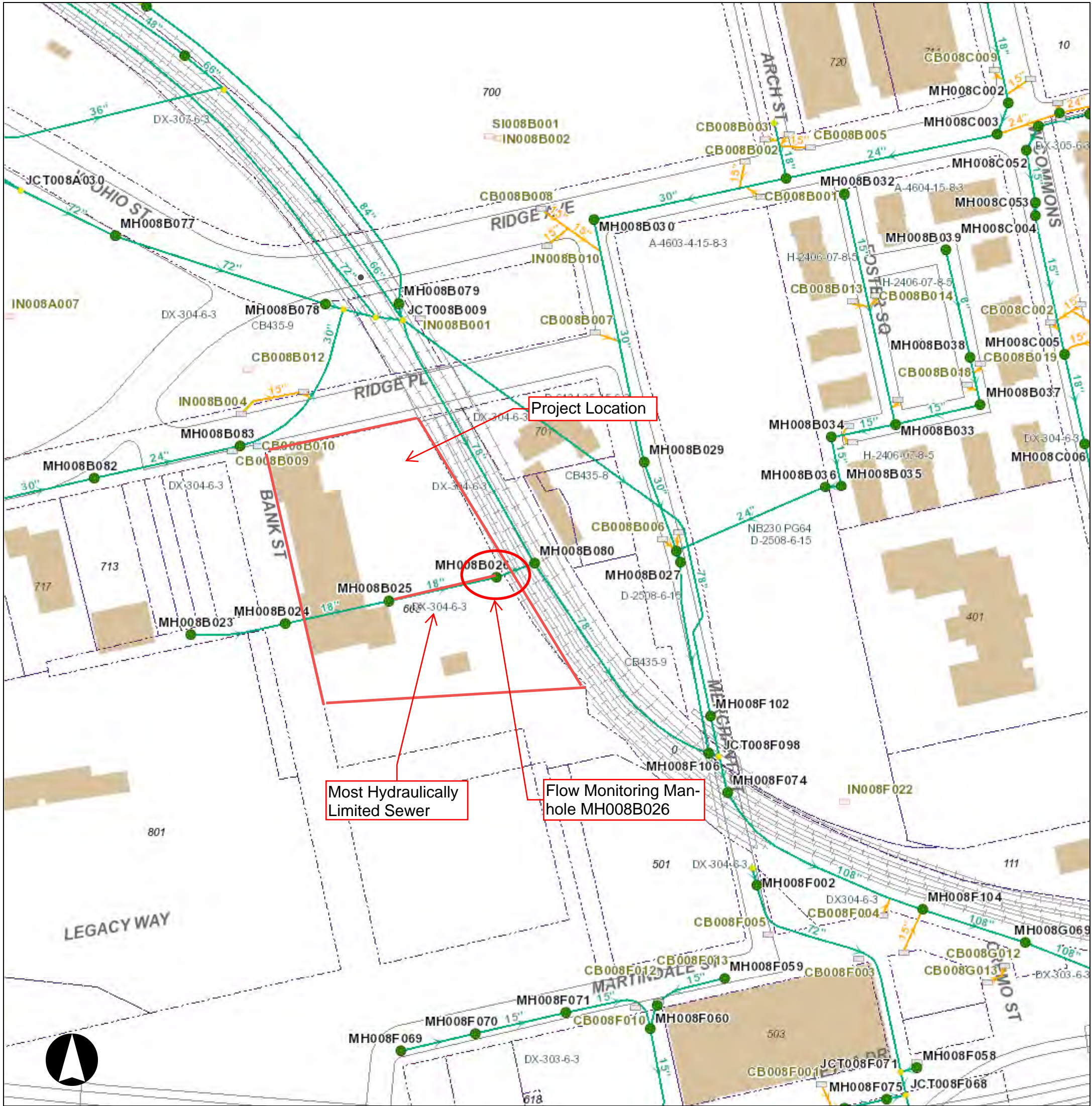
By signing below, I hereby certify, to the best of my knowledge, that the information provided within the Water and Sewer Use Application is true, complete and accurate.

Name, printed: Adam Ballish

Signature: *Adam Ballish*

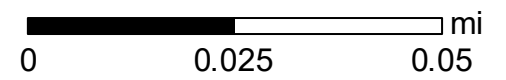
Date: 02/08/21

# 665 Ridge Ave.



## Legend

	<b>WATER</b>		<b>SEWER</b>



Neither the City of Pittsburgh nor the PWSA guarantees the accuracy of any of the information hereby made available, including but not limited to information concerning the location and condition of underground structures, and neither assumes any responsibility for any conclusions or interpretations made on the basis of such information. COP and PWSA assume no responsibility for any understanding or representations made by their agents or employees unless such understanding or representations are expressly set forth in a duly authorized written document, and such document expressly provides that responsibility therefore is assumed by the City or the PWSA.

Date: 2/2/2021

**Most Limited Capacity Sewer (MLCS) Spreadsheet**

**PROJECT NAME:** 665 Ridge Ave.  
**PWSA PROJECT NUMBER:** 20014.1  
**PWSA REVIEWER:** Midori Bridges  
**DATE:** February 2, 2021

**LEGEND:**

Output Data
Input Data
Questionable Data
Hydraulically Limited Sewer

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpd
MH008B024	MH008B025	757.57	748.08	133.65	18	VCP	0.015	1.77	4.712	7.10%	15,721,080
MH008B025	MH008B026	748.08	738.14	139.31	18	VCP	0.015	1.77	4.712	7.14%	15,759,259
MH008B026	MH008B080	738.14	733.30	51.17	18	VCP	0.015	1.77	4.712	9.46%	18,144,656
MH008B080	MH008F106	723.84	716.37	338.23	78	Brick	0.016	33.18	20.420	2.21%	410,252,777
MH008F106	JCT008F098	716.37	716.24	13.54	78	Brick	0.016	33.18	20.420	0.96%	270,495,245
JCT008F098	MH008F074	716.24	716.06	47.11	78	Brick	0.016	33.18	20.420	0.38%	170,638,487
MH008F074	MH008F104	716.06	712.66	269.91	108	Brick	0.016	63.62	28.274	1.26%	737,912,731
MH008F104	MH008G069	712.66	711.26	148.91	108	Brick	0.016	63.62	28.274	0.94%	637,495,492
MH008G069	MH008G068	711.26	710.18	258.02	108	Brick	0.016	63.62	28.274	0.42%	425,363,503
MH008G068	MH008G070	710.18	709.99	38.74	108	Brick	0.016	63.62	28.274	0.49%	460,438,918
MH008G070	MH008G134	709.99	709.05	72.33	108	Brick	0.016	63.62	28.274	1.30%	749,513,960
MH008G134	MH008G071	709.05	708.01	284.01	108	Brick	0.016	63.62	28.274	0.37%	397,855,060
MH008G071	JCT008G013	708.01	706.71	131.12	120	Brick	0.016	78.54	31.416	0.99%	867,026,183
JCT008G013	MH008L010	706.71	706.06	65.03	120	Brick	0.016	78.54	31.416	1.00%	870,552,182
MH008L010	MH008L009	706.06	702.29	141.81	120	Concrete	0.013	78.54	31.416	2.66%	1,747,386,129
MH008L009	ADC008LA48	702.29	697.61	509.12	120	Concrete	0.013	78.54	31.416	0.92%	1,027,506,280
ADC008LA48	OF008LA48	697.60	696.88	85.55	112	Concrete	0.013	68.42	29.322	0.84%	817,948,480



# WATER AND SEWER AVAILABILITY LETTER REQUEST

All persons planning to perform construction, demolition, or renovation work that will involve water and/or sewer services are recommended to complete this form and submit to PWSA. PWSA will review the request and reply to indicate if PWSA-owned water and/or sewer utilities are present at the site of the proposed work.

This request form is **required** for all of the following types of development. (Please note that the term "sewer" refers to sanitary sewers, combined sewers, and storm sewers.)

1. New water and/or sewer tap(s) for all approved/recorded subdivisions.
2. Change of Use and/or increase in water and/or sewer flows for residential development(s), commercial, industrial and institutional developments (i.e. total project sanitary flow is greater than 799 gallons per day).
3. New water and/or sewer tap(s) for all residential, commercial, industrial, and institutional developments.

Please email the completed form to: [permitinfo@pgh2o.com](mailto:permitinfo@pgh2o.com)

<b>Information to be submitted by the Applicant:</b>			
Property Owner Name:			
Address of Property:			
Proposed Use of Site:			
Closest street intersection to the property:			
<b>Requester Information</b>			
Name:		Date of Request:	
Address:			
Phone Number:			
Email Address:			
Preferred Method of Delivery:	<input type="checkbox"/> Email	<input type="checkbox"/> Mail	
<b>PWSA Use Only:</b>			
PWSA Water Service Available <input type="checkbox"/> Yes <input type="checkbox"/> No Size / Location: _____			
PWSA Sewer Service Available: <input type="checkbox"/> Yes <input type="checkbox"/> No Size / Location: _____			
Applicant must contact separate agency for water and/or sewer service: <input type="checkbox"/> Yes <input type="checkbox"/> No			
Name of separate agency: _____			
PWSA Approval:	Signature and Date	<i>Wendy M. Dean</i>	
	Name (printed)	_____	
	Title	_____	

Disclaimer: The information provided by PWSA does not guarantee capacity of the PWSA-owned water and/or sewer lines to satisfy the needs of the proposed development. The permit application process required by PWSA evaluates the water demand and sewer flows of the development, as provided by the Applicant, and renders a decision on the capacity of the PWSA facilities.

January 8, 2021

Adam Ballish  
22 South Linden Street  
Duquesne, PA 15110

**RE: Water and Sewer Availability**  
665 Ridge Avenue

Dear Mr. Ballish:

In response to your inquiry on 1/6/2021 concerning water and sewer availability for the area referenced above, please be advised that both water and sewers are available near the site, and water and sewer service will be provided in accordance with the policies and procedures of the Pittsburgh Water and Sewer Authority.

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

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

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

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

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

Sincerely,



Wendy M. Dean  
Engineering Tech II

cc: PWSA File



February 25, 2021

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

Subject: Preliminary Determination on the Need for Sewage Planning  
Project Name: 665 Ridge Ave.  
PWSA Project No.: 20014.10

Dear Mr. Flanagan:

Please be advised that the Pittsburgh Water and Sewer Authority has approved the Water and Sewer (W/S) Use Application for the aforementioned Project. We have enclosed the W/S Use Approval Letter and the supporting documentation. The approved sanitary flows are summarized below:

Type of Sanitary Flow	Definition	Flow, gpd
Project Flow	Peak daily flow associated with the Project	5000
Existing Flow	Peak daily flow within the past five years	233
Net Flow	= Project Flow – Existing Flow	4766

Please see below for our Preliminary Determination on the Need for Sewage Planning:

- Yes, we believe the Project requires sewage planning  
 No, we believe the Project does not require sewage planning

**Based on the foregoing, please provide a Final Determination on the Need for Sewage Planning.**

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 412-255-8800 x9996 or [mbridges@pgh2o.com](mailto:mbridges@pgh2o.com).

Sincerely,



Digitally signed by Midori Bridges  
DN: cn=Midori Bridges, c=US,  
o=PWSA, ou=Engineering,  
email=mbridges@pgh2o.com  
Reason: I am approving this document  
Date: 2021.02.25 08:58:05 -0500

Midori Bridges  
Cooperative Education Intern

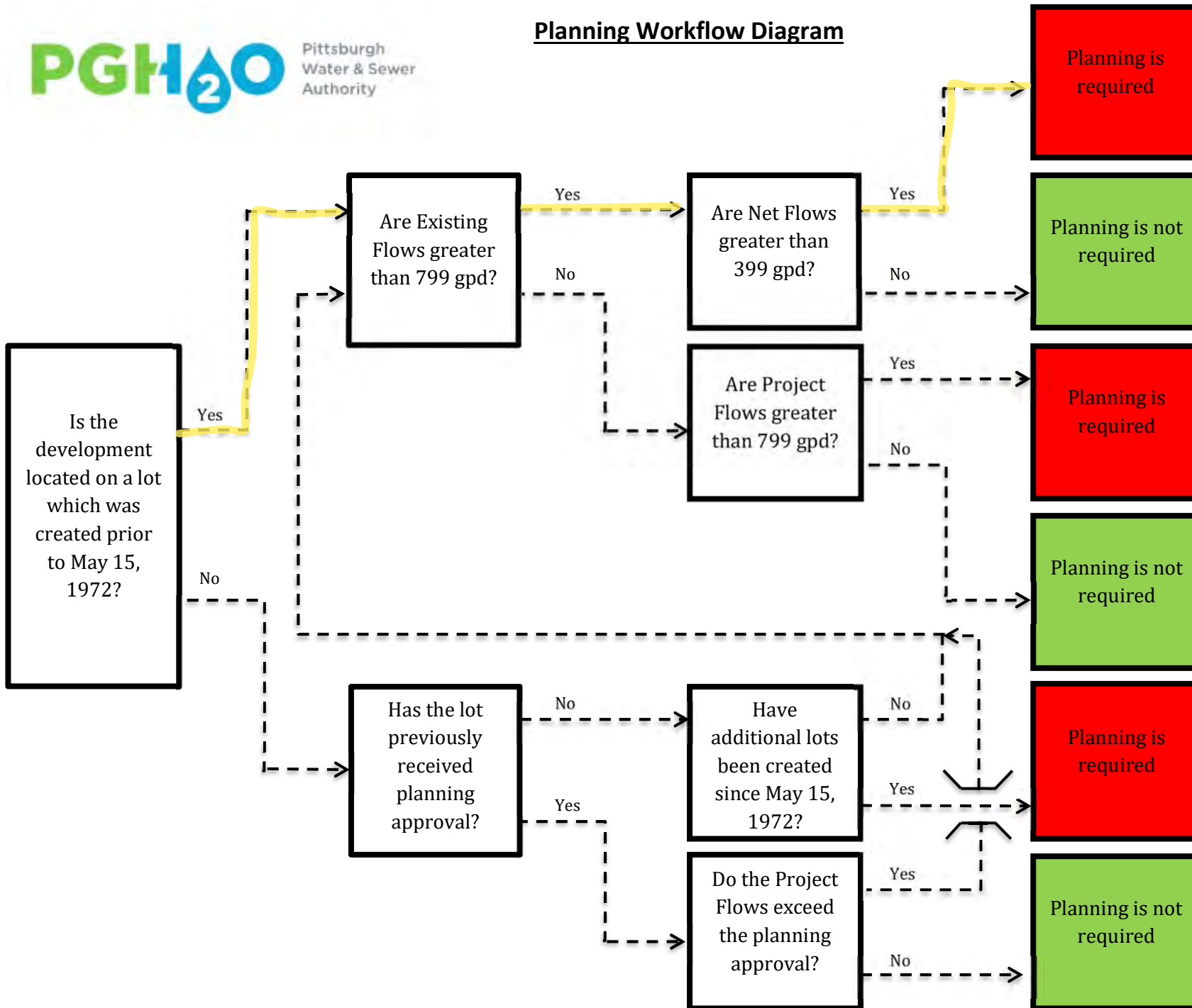
Enclosure(s)

cc: Barry King, P.E. – PWSA (via email)  
Kate Mechler, P.E. – PWSA (via email)  
Robert Herring, P.E. – PWSA (via email)  
Jacob Catt – KU Resources (via email)  
eBuilder – Filing System (via email)



Pittsburgh  
Water & Sewer  
Authority

### Planning Workflow Diagram





## Water and Sewer (W/S) Use Application Form

**Instructions** The complete W/S Use Application shall be uploaded via e-builder. To obtain an e-builder project folder, please make a request on our website at [www.pgh2o.com/permits](http://www.pgh2o.com/permits). In addition, please refer to the Developer’s Manual for detailed information on application requirements.

- Requirements**
- Application Fee       Application Form       Narrative
- Flow Calculations       Site Plan       Floor Plan

**Project Info**

Project Name: Light of Life

Address: 665 Ridge Avenue  
Pittsburgh, PA 15212

Is the Project located on a lot created prior to May 15, 1972?     YES     NO

**Owner/Developer**

Name: Light of Life Ministries

Address: 913 Western Avenue  
Pittsburgh, PA 15211

Email: craigshomeoffice@verizon.net

Phone Number: 412-999-3371

**Consultant**

Firm Name: KU Resources, Inc.

Address: 22 South Linden Street  
Duquesne, PA 15110

Contact Name: Jacob Catt

Email: jcatt@kuresources.com

Phone Number: 412-469-9331

**Flow Data**

Type of Flow	Sanitary, gpd	Water, gpd	Storm, cfs
Project Flow	5,450	5,450	
Existing Flow	233	233	
Net Flow	5,217	5,217	Not Required

**Signature**

By signing below, I hereby certify, to the best of my knowledge, that the information provided within the Water and Sewer Use Application is true, complete and accurate.

Name, printed: Adam Ballish

Signature: *Adam Ballish*

Date: 02/08/21



## **PROJECT NARRATIVE**

**LIGHT OF LIFE  
665 Ridge Avenue  
22<sup>nd</sup> WARD, CITY OF PITTSBURGH  
ALLEGHENY COUNTY, PENNSYLVANIA**

*Prepared for:*  
**LIGHT OF LIFE MINISTRIES  
913 WESTERN AVENUE  
PITTSBURGH, PENNSYLVANIA 15211**

*Prepared by:*  
**KU RESOURCES, INC.  
22 SOUTH LINDEN STREET  
DUQUESNE, PENNSYLVANIA 15110**

**JANUARY, 2021  
REVISED FEBRUARY, 2021**

## **DESCRIPTION OF PROPOSED DEVELOPMENT**

Light of Life Ministries, LLC (LLM) is developing a lot with proposed renovations and vertical addition to their existing building. The site is located on approximately 1.96 acres situated south of Ridge Avenue and east of Bank Street in the Allegheny Center neighborhood of the City of Pittsburgh, Allegheny County, Pennsylvania (Site). The Site address is 665 Ridge Avenue (Allegheny County Parcels 8-B-32). The Site is bound to the north by Ridge Avenue, to the west by Bank Street, to the south by a paper street, and to the east by railroad tracks (Parcel 8-G-208-9) (see Figure 1).

The Site is currently utilized by the LLM as a resource for the local at-risk populations, a staging area for donations provided to LLM, and office space for staff members.

There will be approximately 0.71 acre of disturbance necessary to complete this project..

The project involves renovation of the existing two story building with a 3<sup>rd</sup> floor addition. Each story will be comprised of the following elements:

- LOWER LEVEL (BASEMENT): 4 3-man rooms, offices, Mechanical/Sprinkler/electrical Rooms, storage and laundry.
- FIRST FLOOR: Offices, kitchen, dining area, visitor/entrance lobby, restroom facilities, chapel and storage.
- SECOND FLOOR: 9 3-man rooms, common area, kitchenette, storage, game room, classrooms, restroom facilities, offices and reception lounge.
- THIRD FLOOR (ADDITION): Offices, restroom facilities, storage, lounge, gathering area and women/children rooms

## **PROPOSED SANITARY DESIGN**

The proposed development will consist of forty (40) housing units. Per Table 1, Water Use and Sanitary Sewage Flow Estimates, PA Code Title 25 Chapter 73, institutions other than hospitals (per bed space) are 125 gallons per unit per day. It is anticipated the proposed use of the building will be in support of these forty (40) housings units with the exception of the third-floor addition which will service a separate population. The third floor will be dedicated to the use of a women's shelter and supporting services. These attendees will not be residing within this facility and will be typically be utilizing the spaces during normal business hours Monday through Friday. Based off of LLM's experience in the community with similar uses it is anticipated that the third floor will service fifty (50) attendees and ten (10) supporting staff

for the space. Per Table 1, Water Use and Sanitary Sewage flow Estimates, PA Code Title 25 Chapter 73 the establishment for this space is a Church (per seat) 3 gallons per day with an additional three paper server meal per day per person, 1.5 gallons per person per day per meal.

The total sanitary flows are estimated to be 5,450 gallons per day (13.6 EDUs) in the existing 18-inch combination sewer which is located within Bank Street. The effluent will ultimately be sent to the Allegheny County Sanitation Authority (ALCOSAN). Please see the attached Pittsburgh Water and Sewer Authority (PWSA) map with the highlighted route the effluent will travel to ALCOSAN.

### **ALTERNATIVES ANALYSIS**

Spray irrigation or on-lot absorption are not viable options for this site because there is insufficient area to accommodate the expected sanitary flows. Furthermore, since a PWSA collector already exists along the exchange way, a tap-in to the 18-inch combination sewer pipe is the preferred disposal method.

### **PLANNING MODULE CALCS**

The Light of Life Ministries is proposing to renovate the existing building at 665 Ridge road into a shelter for local at-risk populations with new utilities and street scape enhancements. All building's sanitary lines will connect into an existing 18-inch combination sewer line in Bank Street.

The daily sanitary flow estimate was determined by applying PA DEP Code Chapter 73.17 Sanitary Sewage Flow Estimates for the following types of establishments:

- Institutions other than hospitals (per bed space) – 125 gpd/unit
- Church with three (3) paper meals per day (per person) – 7.5 gpd/person

Effluent will ultimately be sent to the Allegheny County Sanitation Authority (ALCOSAN). See the attached Pittsburgh Water and Sewer Authority (PWSA) Sewer System map with the route to ALCOSAN highlighted.

### **PROPOSED FLOWS**

#### **Total Water: 5450 gpd (13.6 EDU's)**

Basement – 4 three-bed units  
12 beds x 125 gpd/unit = 1500 gpd

Second Floor – 9 three-bed units and 1 one-bed unit  
28 beds X 125 gpd/unit = 3500 gpd

Third Floor – 50 church attendees and 10 staff  
60 people X 7.5 gpd/person = 450 gpd

#### EXISTING FLOWS

From previous water bills average monthly usage was about 2000 gallons.

2000 gallons / 30 days = 66.67 gpd

Using a peaking factor of 3.5:

66.67 gpd x 3.5 PF = 233.33 gpd (0.58 EDU's)

#### NET FLOWS

Project Flow – Existing Flow = Net Flow

5450 gpd – 233.33 gpd = 5216.7 gpd

EDU's = gpd/400

5216.7/400 = 13.0 EDU's = 13 EDU's

#### **Total Sewer: 5450 gpd (13.6 EDU's)**

Basement – 4 three-bed units

12 beds x 125 gpd/unit = 1500 gpd

Second Floor – 9 three-bed units and 1 one-bed unit

28 beds X 125 gpd/unit = 3500 gpd

Third Floor – 50 church attendees and 10 staff

60 people X 7.5 gpd/person = 450 gpd

#### EXISTING FLOWS

From previous water bills average monthly usage was about 2000 gallons.

2000 gallons / 30 days = 66.67 gpd

Using a peaking factor of 3.5:

66.67 gpd x 3.5 PF = 233.33 gpd (0.58 EDU's)

#### NET FLOWS

Project Flow – Existing Flow = Net Flow

5450 gpd – 233.33 gpd = 5216.7 gpd

EDU's = gpd/400

5216.7/400 = 13.0 EDU's = 13 EDU's

**Based on a comparison of previous and proposed flows, a PADEP Planning Module is anticipated to be required.**

## **STORMWATER CONVEYANCE**

Storm water management is required on the site due to the City of Pittsburgh's Stormwater Ordinance and applicable PADEP requirements due to a proposed area of disturbance in excess of 10,000 sf. The proposed scope of work includes and overall reduction in impervious area within the Site and thus the post-development flows will not exceed pre-development flows. No changes will be made to the existing stormwater system. Stormwater best management practices, retentive grading, will be implemented to manage the applicable volume for the proposed development. Stormwater will be routed to the retentive grading area via overland flow. The proposed systems are designed to effectively manage the first 1-inch of rainfall from impervious areas within the proposed limit of disturbance.



**PROPOSED CONDITIONS**

FLOOR	USE	UNITS	TOTAL DOMESTIC FLOW [GPD] PER FLOOR
1	Multi-use	0	0.0
2	Housing (per bed)	28	3500.0
3	Church (3 paper meals)	60	450.0
Basement	Housing/Service (per bed)	12	1500.0
TOTAL # BEDS		40	
GPD / BED		125.0	
TOTAL GPD / INSTITUTION OTHER THAN HOSPITAL		5,000.0	
TOTAL # CHURCH PERSONS		60	
GPD / PERSON		7.5	
TOTAL GPD / CHURCH WITH 3 PAPER MEALS		450.0	
<b>PEAK DOMESTIC DEMAND [GPD]</b>		<b>5,450.0</b>	



**NET TOTAL**

	TOTAL	
PROPOSED	5,450.0	GPD
EXISTING	233.3	GPD
<b>NET INCREASE</b>	<b>5,216.7</b>	<b>GPD</b>
<b>EDU's</b>	<b>13.0</b>	

Sources:

[http://apps.pittsburghpa.gov/pwsa/Procedures\\_Manual\\_Developers\\_February\\_2012\\_Version.pdf](http://apps.pittsburghpa.gov/pwsa/Procedures_Manual_Developers_February_2012_Version.pdf)

N/F COMMUNITY COLLEGE OF ALLEGHENY  
 COUNTY  
 BLOCK & LOT  
 8-F-20

D.B.V. 8944, PG. 35, 4-09-1993  
 CITY OF PITTSBURGH  
 TO  
 BOARD OF TRUSTEES OF COMMUNITY  
 COLLEGE OF ALLEGHENY COUNTY  
 BLOCK & LOT  
 8-F-12

D.B.V. 6324, PG. 53, 11-11-1980  
 SIGNET ASSOCIATES  
 TO  
 ALLEGHENY COUNTY MEDICAL SOCIETY  
 BLOCK & LOT  
 8-B-8

Underground utilities have been plotted from available information and the locations must be considered approximate. Other underground utilities may exist which are not shown. It will be the contractor's responsibility to ascertain all physical locations of utility lines prior to the time of construction. In no way shall the contractor hold the surveyor responsible for any utility locations shown or not shown on this plan.

Pennsylvania legislation, act 38, requires notification to utility companies prior to any digging, drilling, blasting, or excavation. For location requests in the state of Pennsylvania call toll free.

1-800-242-1776 Serial # 0476211

NOTE: BOUNDARY SHOWN IS FROM PLAN DATED FEB. 3, 1966 AND WAS PROVIDED BY THE PITTSBURGH BOARD OF PUBLIC EDUCATION. NO CURRENT DEEDS AVAILABLE AT COUNTY AT TIME OF THIS SURVEY.

NOTE: PROPERTY SUBJECT TO ANY ISSUES THAT MAY BE REVEALED BY A CURRENT AND COMPLETE TITLE REPORT.

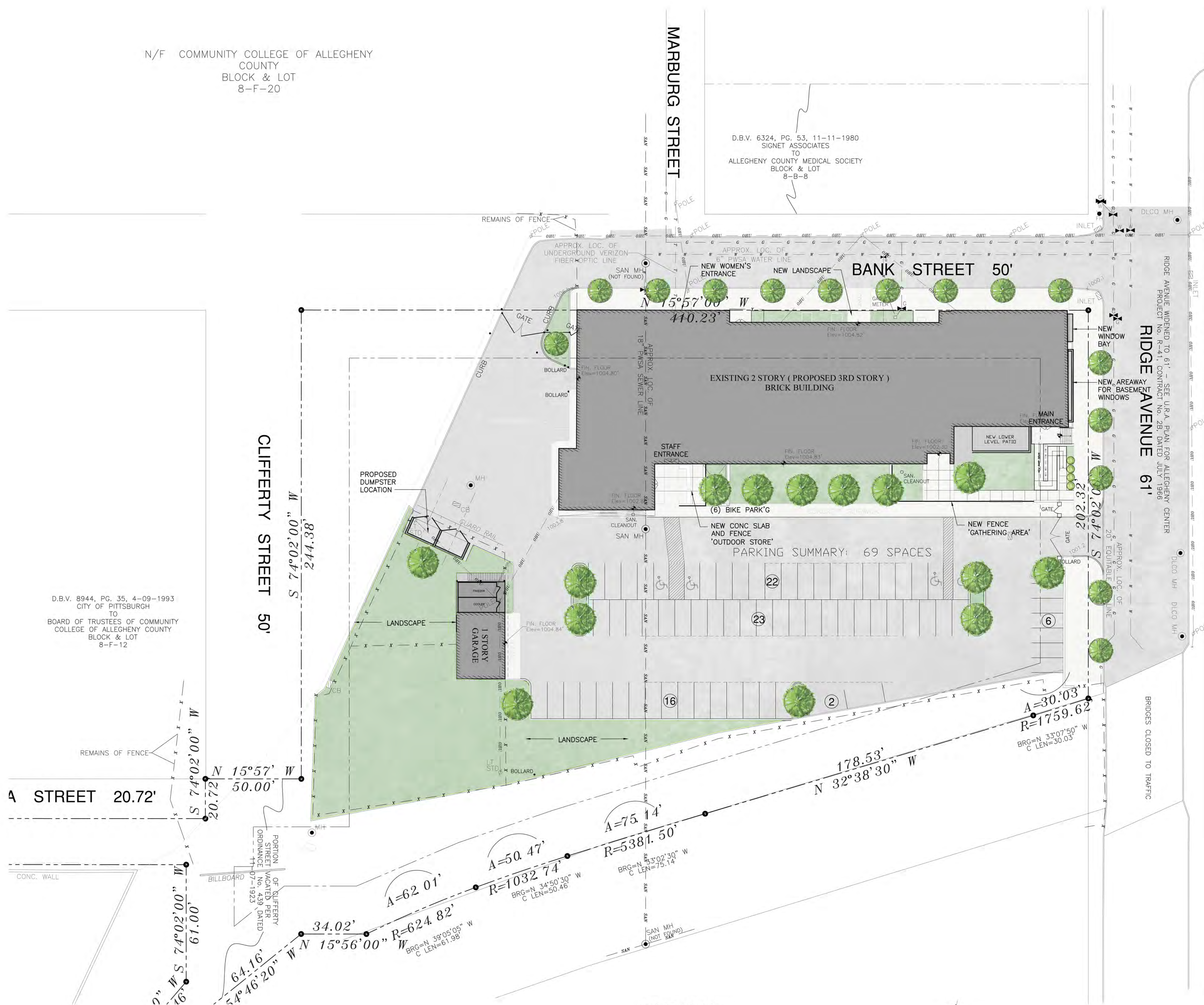
NOTE: ELEVATIONS ARE BASED ON AN ASSUMED ELEVATION DATUM.

These drawings are instruments of the Architect's and Interior Design services and are the property of Integrity Design, LLC. They shall not be reproduced or used in any way without written permission of Integrity Design, LLC.

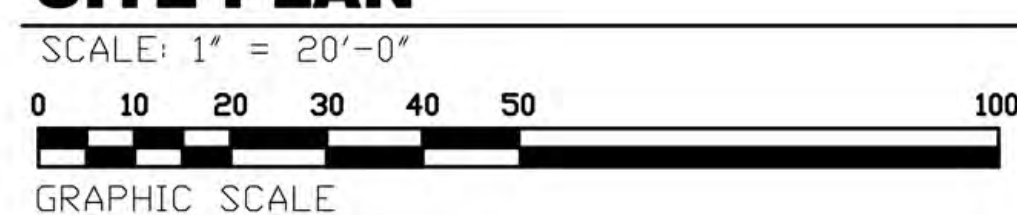
REVISIONS:

LEGEND

- CHAIN LINK FENCE
- GASLINE
- WATERLINE
- SANITARY SEWER
- STORM SEWER
- OVERHEAD UTILITIES
- GAS VALVE
- GAS METER
- WATER VALVE
- FIRE HYDRANT
- CATCH BASIN
- ELECTRIC METER
- CLEAN OUT
- SANITARY MANHOLE
- STORM MANHOLE
- UNKNOWN MANHOLE
- TELEPHONE POLE
- STANDARD LIGHT POLE



SITE PLAN



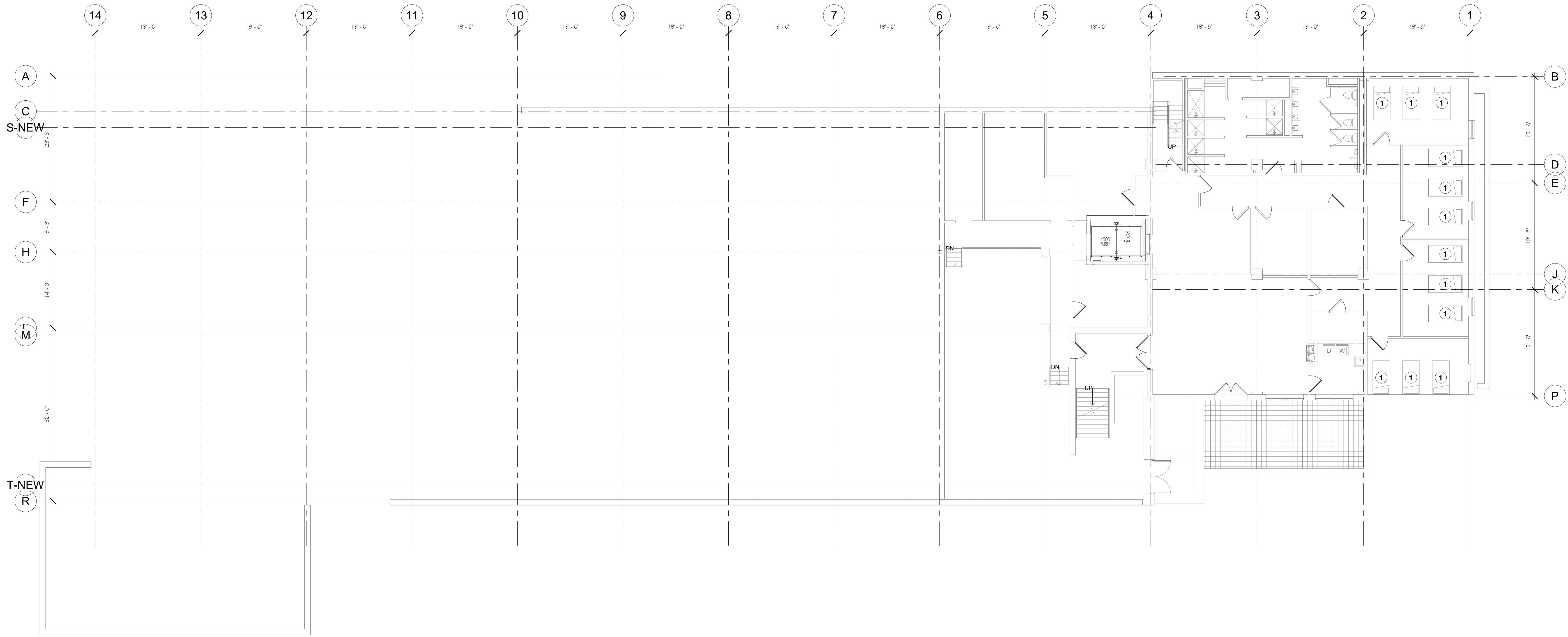
Proposed Demolition Plan for:  
**Light-of-Life Rescue Mission**  
 RIDGE AVENUE  
 PITTSBURGH, PA  
 ALLEGHENY COUNTY

INTEGRITY DESIGN  
 ARCHITECTURE & INTERIORS  
 456 Washington Avenue, Suite 100  
 PITTSBURGH, PA 15222  
 412-220-7822 P 412-220-7821 F



DATE:  
**1 SEPTEMBER 2020**  
 PROJECT NO.  
**2020-017**  
 ARCHITECTURAL SITE PLAN  
 SHEET NO.  
**AS1.1**

These drawings are instruments of the Architect's and Interior Design services and are the property of Integrity Design, LLC. They shall not be reproduced or used in any way without written permission of Integrity Design, LLC.



**LOWER LEVEL PLAN**  
SCALE: 1/8" = 1'-0"

1  
A1.0

**REVISIONS:**

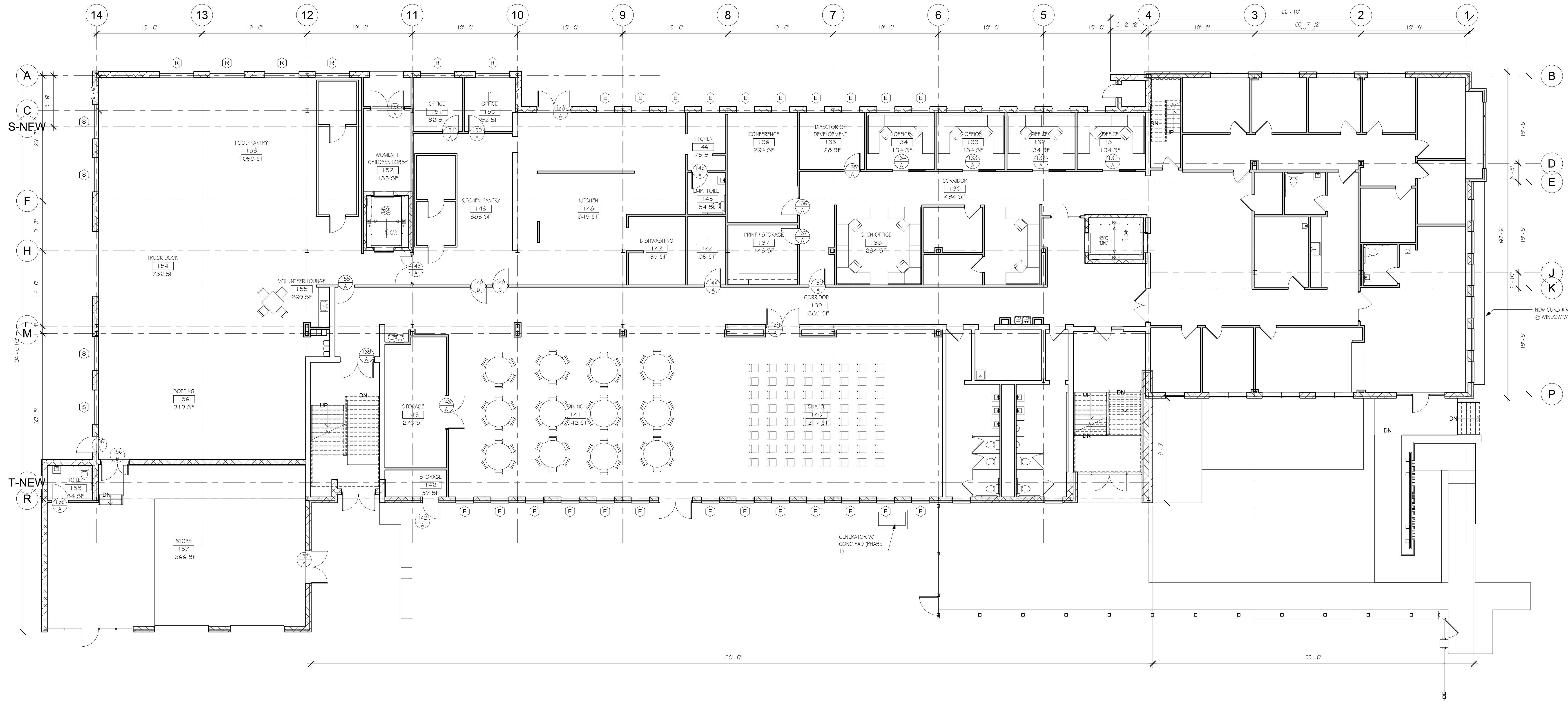
Proposed Demolition Plan for:  
**Light-of-Life Rescue Mission**  
RIDGE AVENUE  
PITTSBURGH, PA  
ALLEGHENY COUNTY

**INTEGRITY DESIGN**  
ARCHITECTURE & INTERIORS, LLC  
100  
Avenue D, Pittsburgh, PA 15207  
412-320-7822 P 412-320-7821 F



DATE:  
01 SEPTEMBER 2020  
PROJECT NO.  
2017-036  
**LOWER LEVEL PLAN**  
PHASE 2  
SHEET NO.  
**A1.0**

These drawings are instruments of the Architect's and Interior Design services and are the property of Integrity Design, LLC. They shall not be reproduced or used in any way without written permission of Integrity Design, LLC.



**FIRST FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

I  
A1.1

**REVISIONS:**

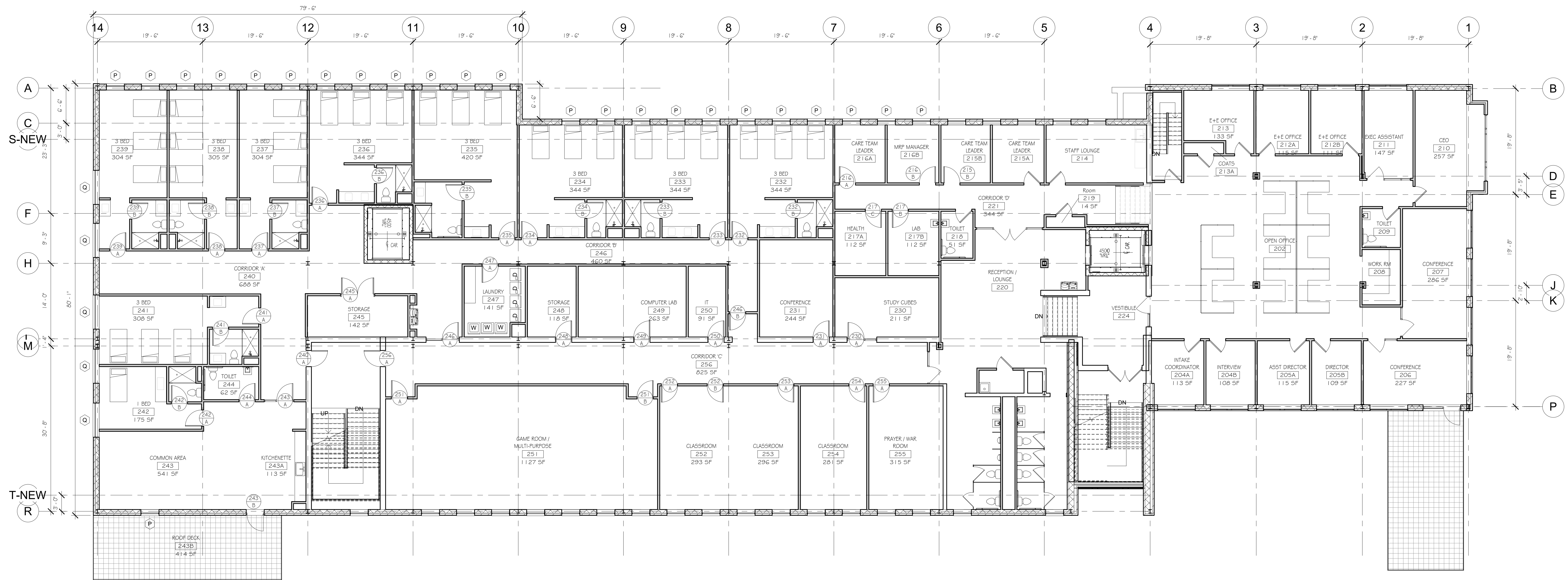
Proposed Demolition Plan for:  
**Light-of-Life Rescue Mission**  
RIDGE AVENUE  
PITTSBURGH, PA  
ALLEGHENY COUNTY

**INTEGRITY DESIGN**  
ARCHITECTURE & INTERIORS, LLC  
Avenue D, Suite 100  
Pittsburgh, PA 15207  
412-230-7822 P 412-330-7821 F



DATE: 01 SEPTEMBER 2020  
PROJECT NO. 2017-036  
FIRST FLOOR PLAN  
PHASE 2  
SHEET NO. **A1.1**

These drawings are instruments of the Architect's and Interior Design services and are the property of Integrity Design, LLC. They shall not be reproduced or used in any way without written permission of Integrity Design, LLC.



**SECOND FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

2  
A1.2

**REVISIONS:**

Proposed Demolition Plan for:  
**Light-of-Life Rescue Mission**  
RIDGE AVENUE, PA  
PITTSBURGH, PA  
ALLEGHENY COUNTY

INTEGRITY DESIGN  
ARCHITECTURE & INTERIORS, LLC  
100  
Avenue D, Pittsburgh, PA 15207  
412-220-7822 P 412-330-7821 F



DATE:  
01 SEPTEMBER 2020  
PROJECT NO.  
2017-036  
SECOND FLOOR PLAN  
PHASE 2  
SHEET NO.  
**A1.2**

These drawings are instruments of the Architect's and Interior Design services and are the property of Integrity Design, LLC. They shall not be reproduced or used in any way without written permission of Integrity Design, LLC.



REVISIONS:

D  
E  
J  
K  
P

**THIRD FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

I  
A1.3

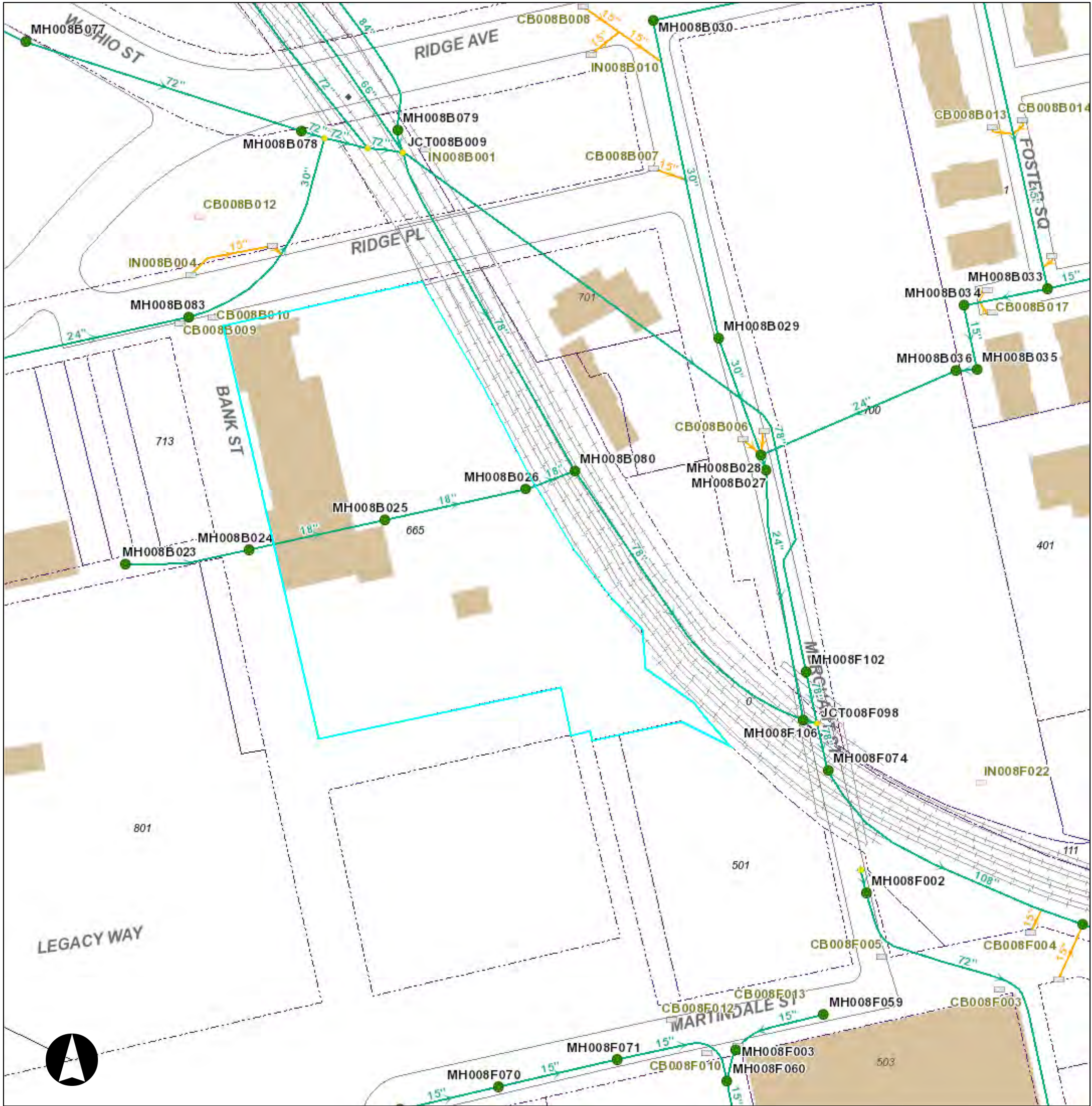
Proposed Demolition Plan for:  
**Light-of-Life Rescue Mission**  
RIDGE AVENUE  
PITTSBURGH, PA  
ALLEGHENY COUNTY

INTEGRITY DESIGN  
ARCHITECTURE & INTERIORS, LLC  
Avenue 10017  
Pittsburgh, PA 15206  
412-320-7822 P 412-320-7821 F



DATE: 01 SEPTEMBER 2020  
PROJECT NO. 2017-036  
THIRD FLOOR PLAN PHASE 2  
SHEET NO. **A1.3**

# 665 Ridge Avenue - Sewer



## Legend

### WATER

- Meter
- Curb Box
- Water System Pump
- Hydrant
- System Valve
- Dividing Pressure Valve
- Coupling
- Tee
- Cross
- Reducer
- End Cap
- Wash Out

Pressure Monitoring Station

Water Manhole

Rising Main

Supply Main

Transmission Main

Distribution Main

Hydrant Branch

Private Main

Water Service Line

### SEWER

Manhole

Junction

Inlet

Private Inlet

Outfall

End Cap

Sewer Pump Station

Combined Sewer

Sanitary Sewer

Storm Sewer

Regulated Combined Sewer

Overflow Sewer

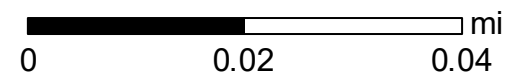
Interceptor

Sewer Force Main

Private Sewer

Undefined Sewer

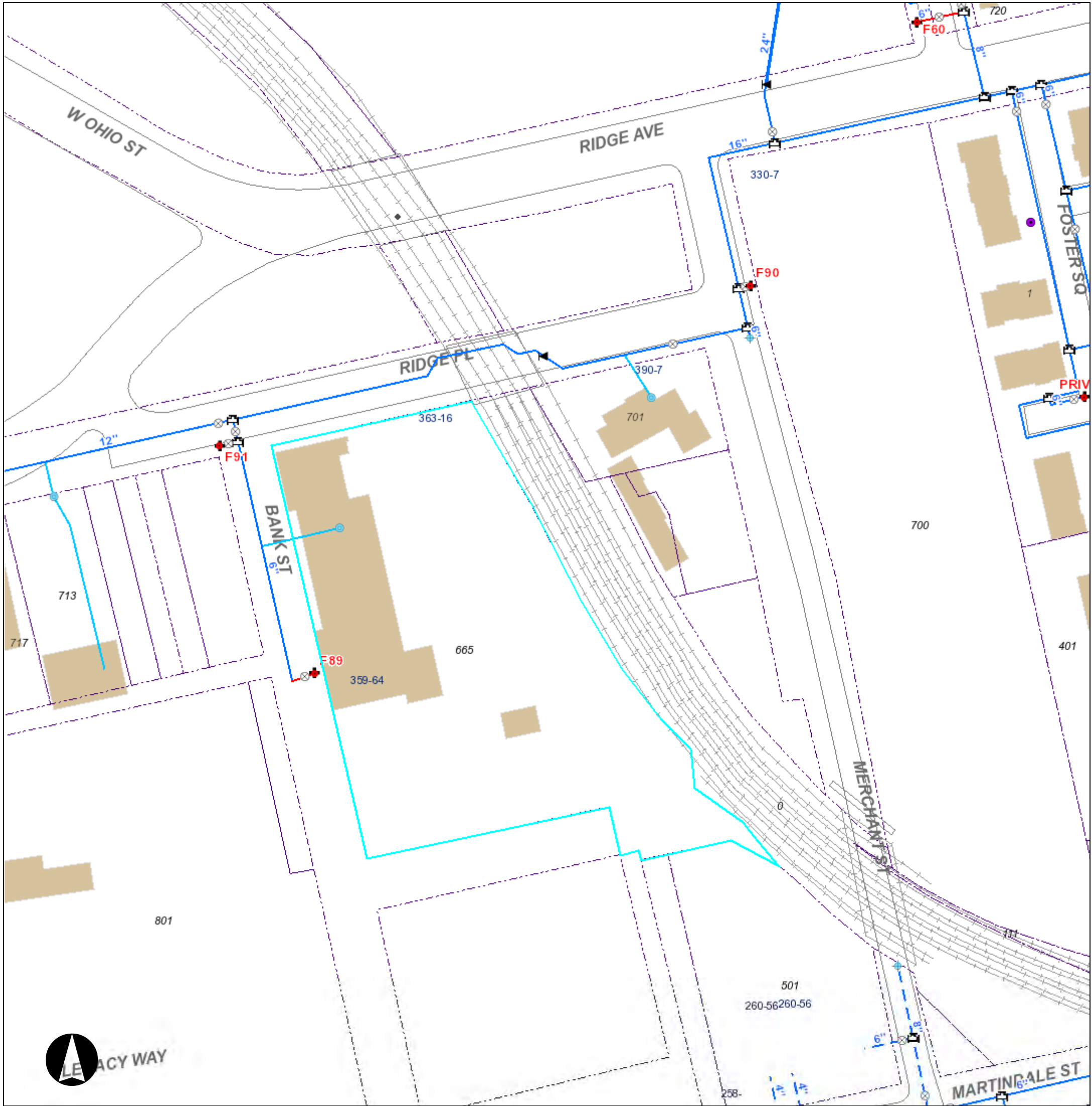
Green Infrastructure Underground Facilities



Neither the City of Pittsburgh nor the PWSA guarantees the accuracy of any of the information hereby made available, including but not limited to information concerning the location and condition of underground structures, and neither assumes any responsibility for any conclusions or interpretations made on the basis of such information. COP and PWSA assume no responsibility for any understanding or representations made by their agents or employees unless such understanding or representations are expressly set forth in a duly authorized written document, and such document expressly provides that responsibility therefor is assumed by the City or the PWSA.

Date: 1/8/2021

# 665 Ridge Avenue - Water



## Legend

### WATER

- Meter
- Curb Box
- Water System Pump
- Hydrant
- System Valve
- Dividing Pressure Valve
- Coupling
- Tee
- Cross
- Reducer
- End Cap
- Wash Out

Pressure Monitoring Station

Water Manhole

Rising Main

Supply Main

Transmission Main

Distribution Main

Hydrant Branch

Private Main

Water Service Line

### SEWER

Manhole

Junction

Inlet

Private Inlet

Outfall

End Cap

Sewer Pump Station

Combined Sewer

Sanitary Sewer

Storm Sewer

Regulated Combined Sewer

Overflow Sewer

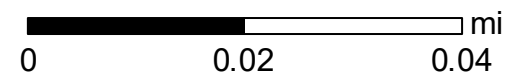
Interceptor

Sewer Force Main

Private Sewer

Undefined Sewer

Green Infrastructure Underground Facilities



Neither the City of Pittsburgh nor the PWSA guarantees the accuracy of any of the information hereby made available, including but not limited to information concerning the location and condition of underground structures, and neither assumes any responsibility for any conclusions or interpretations made on the basis of such information. COP and PWSA assume no responsibility for any understanding or representations made by their agents or employees unless such understanding or representations are expressly set forth in a duly authorized written document, and such document expressly provides that responsibility therefor is assumed by the City or the PWSA.

Date: 1/8/2021