WILLIAM PEDUTO MAYOR



KIMBERLY LUCAS ACTING DIRECTOR

November, 2021

President and Members City Council City of Pittsburgh

RE: 210 PEARL STREET ENCROACHMENT

Dear President and Members of City Council:

We have a request for an encroachment permit at 210 Pearl Street, in the 9th Ward, 7th Council District, as shown on the attached plan. A copy of the request is also attached.

PEARL STREET TOWNHOMES LP, is proposing to install an underground storm sewer for the proposed "Pearl Street Townhomes" development. The storm sewer would enable storm water to be collected from the proposed development of townhomes and convey to a storm water management facility on site.

Your favorable approval of this proposed Resolution is hereby recommended.

Sincerely,

Kimberly Lucas Kimberly Lucas

Acting Director

KL:JM Attachments



Civil Engineering • Energy • Environmental • Land Development • Landscape Architecture • Municipal • Structure Design • Survey

August 23, 2021

City of Pittsburgh Department of Mobility and Infrastructure 414 Grant Street Pittsburgh, PA 15219 (412-255-8850)

Re: Pearl Street Townhomes (AKA 4652 Friendship Ave ZDR#: DCP-ZDR-2010-07559) Encroachment Permit Request

Dear Ms. Karina Ricks,

PVE respectfully requests an approval of an encroachment within the public rith of way for a *private underground storm sewer* for the proposed "Pearl Street Townhomes" *5 Unit Single Family Townhome Development at 210 Pearl Street, Pittsburgh, PA 15224.*

The proposed storm sewer would be positioned along Pearl Street and serve to convey stormwater collected from the roofs of the proposed townhomes to a stormwater management facility within the development. The encroachment would be subsurface and have not impact on surface level elements of the ROW along Pearl Street (i.e., Sidewalk width, curb location, etc.). Moreover, the proposed storm sewer pipe encroachment would be positioned within the first three feet extending horizontally from the property line of the subject parcel. As such, exiting underground facilities would not be impacted, nor would the installation of required street trees for the development be impeded. Note, existing electric and telecom lines run overhead, water and sewer are underground within the roadway of Pearl Street, and the existing gas main under the sidewalk of Pearl Street is positioned beyond the proposed encroachment. Designed as part of the overall development, the invert elevation of the storm sewer will not limit the connection of service laterals from public utilities.

The design of the development seeks to meld with the traditional urban fabric of its adjacencies within the Bloomfield neighborhood while meeting contemporary performance standards. Furthermore, the site development is influenced by the directional laminations that exist on this parcel and are commonplace within the Bloomfield neighborhood at large. Consequently, the proposed private storm sewer pipe encroachment is a necessity as it:

- 1. Provides the minimal amount of dimensional relief needed to enable required off-street parking to occur in the rear of the townhomes by enabling the proposed townhomes to be constructed tight to the front property line.
 - Note, in several meetings with the community and RCO organizations, they requested the current layout in order to minimize curb-cuts and promote a pedestrian-focused streetscape.
- 2. Enables stormwater management meeting current rate and volume control standards. An induvial connection for each unit strait out to the public storm sewer main is not feasible in this situation as stormwater runoff from the development at large must be by attenuated by a private onsite facility before being released to the public facility. Given the dimensional limitations of the site as noted above, it is not feasible to position a private storm sewer within the properly lines to collect and convey stormwater from the roofs of the front half of the townhomes to the stormwater management facility. (note the Stormwater management facility itself is not within the right of way).

Hudson Valley

48 Springside Avenue Poughkeepsie, NY 12603 845.454.2544 **NYC** 108 West 39th Street Suite 500 New York, NY 10018 646.602.4999 **West Virginia** 1700 MacCorkle Avenue, S.E. Charleston, WV 25314 304.340.4821

Ohio 1156 E. State Street Salem, OH 44460 330.332.5200 Texas

10550 Richmond Avenue Suite 160 Houston, TX 77042 713.375.1400 ext. 456



PVE hopes that you find the provided information to be satisfactory for you review and approval. Thank you for your time and consideration with regards to this project. If you have any questions or require any additional information, please contact either by phone 724-444-1100 or email ggorman@pve-llc.com.

Sincerely, PVE LLC.

Gregory Dorman Greg Gorman

Greg Gorman^c Land Planner

WILLIAM PEDUTO MAYOR



KARINA RICKS DIRECTOR

City of Pittsburgh Department of Mobility & Infrastructure City-County Building

Application for an Encroachment on City Dedicated Right-Of-Way

Date: 09/07/2021
Applicant Name: PVE, LLC (Gregory Gorman)
Property Owner's Name (if different from Applicant): Pearl Street Townhomes LP
Address: 2000 Georgetown Drive, Suite 101, Sewicley, PA 15143
Phone Number: <u>(724) 444-1100</u> Alternate Phone Number:
Location of Proposed Encroachment: 210 Pearl Street, Pittsburgh, PA 15224
Ward: <u>9th</u> Council District: <u>#7</u> Lot and Block: <u>50-N-51</u>
What is the properties zoning district code: <u>R1A-H</u> (zoning office 255-2241)
Planning/Zoning Case OneStop Number (if applicable): ZDR-DCP-ZDR-2010-07559
Is the existing right-of-way, a street or a sidewalk? <u>Street with sidewalk</u>
Width of Existing Right-of-Way (sidewalk or street): <u>45'</u> (Before encroachment)
Length of Existing Right-of-Way (sidewalk or street): <a>>129 (Before encroachment)
Width of Proposed Encroachment: <u>3'</u>
Length of Proposed Encroachment: <u>113.5'</u>
Number of feet the proposed object will encroach into the ROW: $3'$
Description of encroachment: underground storm sewer pipe
Reason for application:
The proposed encroaching storm sewer would enable stormwater to be collected from the
proposed development of townhomes and convey to a stormwater management facility on site.
Collection and treatment of this water is critical to meet current stormwater management
requirements. Dimensional limitations of the site prohibit accommodation of this pipe within
the boundaries of the property.







1. ALL DEED OR PLAN BEARINGS AND COORDINATES HAVE BEEN ROTATED AND CONVERTED TO NORTH AMERICAN DATUM OF 1983 PENNSYLVANIA STATE PLANE COORDINATE SYSTEM SOUTH ZONE.

2. TOPOGRAPHIC MAPPING IS BASED ON FIELD MEASUREMENTS. THE VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

3. UTILITY NOTE: THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND

4. SAID DESCRIBED PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION X BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP NO. 42003C0354H, WITH A DATE OF IDENTIFICATION OF SEPTEMBER 26, 2014, FOR COMMUNITY NO. 4200630354H, IN ALLEGHENY COUNTY, STATE OF PENNSYLVANIA, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PREMISES IS SITUATED.

> FLOOD INFORMATION ZONE X – AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

	LEC	GEND	
UP ℃ GW -① EB EM ■ TRANS ⊠ LP ☆	- OVERHEAD ELECTRIC LINE - UNDERGROUND ELECTRIC UTILITY POLE GUIDE WIRE ELECTRIC METER/BOX ELECTRIC TRANSFORMER LIGHT POLE - GAS LINE		- COMBINED SEWER LINE MANHOLE CLEANOUT, VENT - STORM SEWER STORM MANHOLE CATCH BASIN YARD DRAIN
GV GM GM WV FH	GAS VALVE GAS METER — WATER LINE WATER BOX WATER VALVE HYDRANT	<i>TMH</i> ① <i>TB</i> ⊠ <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i> <i>CM</i>	END WALL COMMUNICATION MANHOLE COMMUNICATION BOX - COMMUNICATION LINE - EDGE OF PAVEMENT SURVEY MARKERS BORE HOLES BOLLARDS







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ADS[®] N-12[®] ST IB Pipe (per AASHTO)

ADS N-12 ST IB pipe (per AASHTO) offers significant performance advantages, plus the best soil-tight joint in the industry. The high-density polyethylene material provides abrasion and corrosion resistance.

N-12 ST IB contains a superior built-in bell-and-spigot joint. The joints are sealed by high-quality, factory-installed gaskets that meet all the requirements of ASTM F477. A polyethylene bell minimizes joint distortion. The chipping and cracking that is common to concrete bells is eliminated.

Applications

- Storm sewers
- Grain aeration
- Retention/Detention
- Waterways
- Golf, Turf & RecreationCulverts/Cross drains
- Ditch enclosuresSlope/Edge drains
- Mining/Forestry/Industrial

Features

- 4"-60" (100-1500 mm) diameters available
- Nominal 20' (6 m) and 13' (4 m) lengths available
- In-line bell and spigot joint design
- Exceptional joint strength
- Light weight
- Fast installation times
- Structural strength will support H-25 live loads with 12" (300 mm) minimum cover; 60" (1500 mm) requires 24" (600 mm) cover for H-25 live loads

- Foundation drains
- Downspouts/roof drainage
- Land reclamation
- Terracing

Benefits

- Variety of diameters and lengths that will fit any project
- Joint only requires lube for fitting ends are pushed together for easy field installation
- Pipe requires no additional gasket materials, grout or sealing bands to transport and apply
- Installation cost savings from lower shipping costs, reduced labor and less heavy equipment
- Hydraulic efficiency from smooth interior







ADS N-12 ST IB Pipe (per AASHTO) Specification

Scope

This specification describes 4- through 60-inch (100 to 1500 mm) ADS N-12 ST IB pipe (per AASHTO) for use in gravity-flow land drainage applications.

Pipe Requirements

ADS N-12 ST IB pipe (per AASHTO) shall have a smooth interior and annular exterior corrugations.

- 4- through 10-inch (100 to 250 mm) shall meet AASHTO M252, Type S or SP
- 12- through 60-inch (300 to 1500 mm) pipe shall meet AASHTO M294, Type S or SP, or ASTM F2306
- Manning's "n" value for use in design shall be 0.012.

Joint Performance

Pipe shall be joined using a bell & spigot joint meeting AASHTO M252, AASHTO M294 or ASTM F2306. The joint shall be soil-tight and gaskets for diameters 12- through 60-inch, shall meet the requirements of ASTM F477. For diameters 4- through 10-inch, the joint shall be soil-tight using an engaging dimple connection. Gaskets shall be installed by the pipe manufacturer and covered with a removable, protective wrap to ensure the gasket is free from debris. A joint lubricant available from the manufacturer shall be used on the gasket and bell during assembly.

Fittings

Fittings shall conform to AASHTO M252, AASHTO M294 or ASTM F2306. Bell and spigot connections shall utilize a welded bell and valley or saddle gasket meeting the soil-tight joint performance requirements of AASHTO M252, AASHTO M294 or ASTM F2306.

Material Properties

Material for pipe production shall be high-density polyethylene conforming with the minimum requirements of cell classification 424420C for 4- through 10-inch (100 to 250 mm) diameters, and 435400C for 12- through 60-inch (300 to 1500 mm) diameters, as defined and described in the latest version of ASTM D3350, except that carbon black content should not exceed 4%. The 12- through 60-inch (300 to 1500 mm) pipe material shall comply with the notched constant ligament-stress (NCLS) test as specified in Sections 9.5 and 5.1 of AASHTO M294 and ASTM F2306, respectively.

Installation

Installation shall be in accordance with ASTM D2321 and ADS' published installation guidelines, with the exception that minimum cover in trafficked areas for 4- through 48-inch (100 to 1200 mm) diameters shall be one foot (0.3 m), and for 60-inch (1500 mm) diameters, the minimum cover shall be two feet (0.6 m) in single run applications. Backfill for minimum cover situations shall consist of Class 1 (compacted), Class 2 (minimum 90% SPD) or Class 3 (minimum 95% SPD) material. Maximum fill heights depend on embedment material and compaction level; please refer to Technical Note 2.01. Contact your local ADS representative or visit our website *adspipe.com* for a copy of the latest installation guidelines.

Pipe Dimensions*

Nominal D	iamete	r											
Pipe I.D.	4	6	o	10	12	15	<u>18</u>	24	30	36	42	48	60
in (mm)	(100)	(150)	(200)	(250)	(300)	(375)	(450)	(690)	(750)	(9 08)	(1050)	(1200)	(1500)
Pipe O.D.	4.8	6.9	9.1	11.4	14.5	18	22	28	36	42	48	54	67
in (mm)	(122)	(175)	(231)	(290)	(3 <u>68</u>)	(457)	(559)	(711)	(914)	(1067)	(1219)	(1372)	(1702)

*Check with sales representative for availability by region. **Pipe O.D. values are provided for reference purposes

only, values stated for 12- through 60-inch are ± 1 inch. Contact a sales representative for exact values.



ADS "Terms and Conditions of Sale" are available on the ADS website, www.adspipe.com. ADS[™], N-12[®] and the Green Stripe are registered trademarks of Advanced Drainage Systems, Inc. © 2021 Advanced Drainage Systems, Inc. #10581 07/21 MH adspipe.com 800-821-6710

RECOMMENDED MINIMUM TRENCH WIDTHS



MIN. TRENCH WIDTH 21" (533mm) 23" (584mm) 26" (660mm) 28" (711mm) 30" (762mm) 34" (864mm) 39" (991mm) 48" (1219mm) 56" (1422mm) 64" (1626mm) 72" (1829mm) 80" (2032mm) 60' 96" (1500mm) (2438mm)

MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS**

	SURFACE LIVE LOADING CONDITION					
PIPE DIAM.	H-25	HEAVY CONSTRUCTION (75T AXLE LAOD) *				
12" - 48"	12"	48"				
(300mm - 1200mm)	(305mm)	(1219mm)				
60"	24"	60"				
(1500mm)	(610mm)	(1524mm)				

* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER **SEE BACKFILL REQUIREMENTS IN NOTE 6.

MAXIMUM RECOMMENDED COVER BASED ON VECHICLE LOADING CONDITIONS

	CLAS	SI	CLA	CLASS III	
FIFE DIAM.	COMPACTED	DUMPED	95%	90%	95%
4"	37	18	25	18	18
(100mm)	(11.3m)	(5.5m)	(7.6m)	(5.5m)	(5.5m)
6"	44	20	29	20	21
(150mm)	(13.4m)	(6.1m)	(8.8m)	(6.1m)	(6.4m)
8"	32	15	22	15	16
(200mm)	(9.8m)	(4.6m)	(6.7m)	(4.6m)	(4.9m)
10"	38	18	26	18	18
(250mm)	(11.6m)	(5.5m)	(7.9m)	(5.5m)	(5.5m)
12"	35	17	24	17	17
(300mm)	(10.7m)	(5.2m)	(7.3m)	(5.2m)	(5.2m)
15"	38	17	25	17	18
(375mm)	(11.6m)	(5.2m)	(7.6m)	(5.2m)	(5.5m)
18"	36	17	24	17	17
(450mm)	(11.0m)	(5.2m)	(7.3m)	(5.2m)	(5.2m)
24"	28	13	20	13	14
(600mm)	(8.5m)	(4.0m)	(6.1m)	(4.0m)	(4.3m)
30"	28	13	20	13	14
(750mm)	(8.5m)	(4.0m)	(6.1m)	(4.0m)	(4.3m)
36"	26	12	18	13	13
(900mm)	(7.9m)	(3.7m)	(5.5m)	(4.0m)	(4.0m)
42"	23	11	16	11	11
(1050mm)	(7.0m)	(3.4m)	(4.9m)	(3.4m)	(3.4m)
48"	25	11	17	11	12
(1200mm)	(7.6m)	(3.4m)	(5.2m)	(3.4m)	(3.7m)
60"	25	11	17	11	12
(1500mm)	(7.6m)	(3.4m)	(5.2m)	(3.4m)	(3.7m)

FILL HEIGHT TABLE GENERATED USING AASHTO SECTION 12. LOAD RESISTANCE FACTOR DESIGN (LRFD) PROCEDURE WITH THE FOLLOWING ASSUMPTIONS: NO HYDROSTATIC PRESSURE. UNIT WEIGHT OF SOIL (Ys) = 120 PCF

6	INITIAL BACKFILL	JAB	04/02/20		
REV.	DESCRIPTION	BY	MM/DD/YY	CHK'D	

ASS I OR CLASS II BACKFILL.		6	INITIAL BACKFILL		JAB			
		REV.	DESCRIPTION		BY	М		
FORMATION PROVIDED TO ADS. THIS DRAWING IS								
INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL R SHALL REVIEW THESE DETAILS PRIOR TO	TRENCH INSTALLATION							
LS PROVIDED HEREIN MEETS OR EXCEEDS THE								

DRAWING NUMBER:

STD-101

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION

2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL. WHEN REQUIRED.

3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE. THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.

4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III, THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-1500mm).

5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING TO THE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321. LATEST EDITION.

6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS. MINIMUM COVER. H. IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR TRAFFIC APPLICATIONS WITH LESS THAN FOUR FEET OF COVER, EMBEDMENT OF THE PIPE SHALL BE USING ONLY A CI

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NOTES:

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON IN INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED A PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINE CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

4640 TRUEMAN BLVD HILLIARD, OHIO 43026	1
ADVANCED DRAINAGE SYSTEMS, INC.	h





CERTIFICATE OF LIABILITY INSURANCE

KWACHNOWSKY

PEARSTR-01

DATE (MM/DD/YYYY)

	U LE	RI	IFICATE OF LIA	BIL	ITY INS	URAN	JE	1′	1/4/2021
	THIS CERTIFICATE IS ISSUED AS A M CERTIFICATE DOES NOT AFFIRMATIVE BELOW. THIS CERTIFICATE OF INSUI REPRESENTATIVE OR PRODUCER, AND	ATTE LY O RANC THE (ER OF INFORMATION ON DR NEGATIVELY AMEND, E DOES NOT CONSTITU CERTIFICATE HOLDER.	LY AN EXTE TE A	D CONFERS ND OR ALI CONTRACT	NO RIGHTS FER THE CO BETWEEN	UPON THE CERTIFIC OVERAGE AFFORDED THE ISSUING INSURE	ATE HO BY TH R(S), AL	lder. This E policies Jthorized
	IMPORTANT: If the certificate holder is If SUBROGATION IS WAIVED, subject this certificate does not confer rights to the	an Al to the te cer	DDITIONAL INSURED, the e terms and conditions of rtificate holder in lieu of su	policy the po ch enc	(ies) must ha licy, certain lorsement(s)	ave ADDITIOI policies may	NAL INSURED provision require an endorseme	ns or b nt. A s	e endorsed. tatement on
PR	RODUCER			CONTA NAME:	^{c⊤} Katie Wa	achnowsky	CISR		
HH	HM Insurors - AP			PHONE (A/C, No	o, Ext): (412) 8	393-2526	FAX (A/C, No	. (412)	893-2525
PO	D Box 1138			E-MAIL	_{ss:} kwachno	owsky@hhr	ninsurance.com		
Mo	oon Township, PA 15108-6138				INS	SURER(S) AFFOR	NDING COVERAGE		NAIC #
				INSURE		NATI INSUI	RANCE COMPANY		10677
INS	SURED			INSURE	RB:				
	Pearl Street Townhomes, L.P. 5500 Walnut Street			INSURE	RC:				
	Suite 300			INSURE	RD:				
	Pittsburgh, PA 15232		-	INSURE	RE:				
				INSURE	RF:				
	OVERAGES CERTIFY		ENUMBER:				REVISION NUMBER:		
	INDICATED. NOTWITHSTANDING ANY REQ CERTIFICATE MAY BE ISSUED OR MAY PE EXCLUSIONS AND CONDITIONS OF SUCH PO		MENT, TERM OR CONDITION N, THE INSURANCE AFFORE S. LIMITS SHOWN MAY HAVE	NOF A DED BN BEEN F	NY CONTRA (THE POLIC REDUCED BY	CT OR OTHER IES DESCRIB PAID CLAIMS.	ED NAMED ABOVE FOR DOCUMENT WITH RESI ED HEREIN IS SUBJECT	PECT TO	WHICH THIS THE TERMS,
INS	R TYPE OF INSURANCE AD		POLICY NUMBER		POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIN	ITS	
Α	X COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	\$	1,000,000
	CLAIMS-MADE X OCCUR X		ENP 0459389		10/10/2019	10/10/2022	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$	1,000,000
							MED EXP (Any one person)	\$	5,000
							PERSONAL & ADV INJURY	\$	1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$	2,000,000
	POLICY JECT LOC						PRODUCTS - COMP/OP AGO	\$	2,000,000
	OTHER:						COMBINED SINGLE LIMIT	\$	
							(Ea accident)	\$	
							BODILY INJURY (Per person)	\$	
	HIRED NON-OWNED						PROPERTY DAMAGE	:) \$	
	AUTOS ONLY AUTOS ONLY						(Per accident)	\$ e	
	UMBRELLA LIAB OCCUR						FACH OCCURRENCE	\$	
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	\$	
	DED RETENTION \$							\$	
	WORKERS COMPENSATION						PER OTH- STATUTE ER		
		•					E.L. EACH ACCIDENT	\$	
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYE	E \$	
	DESCRIPTION OF OPERATIONS below	_					E.L. DISEASE - POLICY LIMI	\$	
DE City Ave	ESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES ty of Pittsburgh is an additional insured und renue, Pittsburgh PA 15224	(ACOR er the	RD 101, Additional Remarks Schedul general liability as respects	e, may b opera	e attached if mou tions of the n	e space is requir amed insured	^{ed)} d - RE: property located	at 4652	Friendship
				CANC					
				CAN	ELLATION				
City of Pittsburgh 200 Ross Street #30					SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.				
	Pittsburgh, PA 15219				AUTHORIZED REPRESENTATIVE Latterine M Wachnowsky				

ACORD 25 (2016/03)

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То:	Karina Ricks, Director of the Department of Mobility and Infrastructure
From:	William J. Pickering, PWSA Chief Executive Officer
Date:	September 17, 2021
Subject:	Proposed Encroachment at 210 Pearl Street

The following is in response to the attached 9/7/2021 request regarding the encroachment near 210 Pearl Street in the 8th Ward of the City of Pittsburgh.

- 1. The Water Mapping (attached) indicates that there are no known PWSA waterlines within the area of the proposed encroachment.
- 2. The Sewer Mapping (attached) indicates that there are no known PWSA sewerlines within the area of the proposed encroachment that will be impacted during construction of project. Please note, PWSA does not maintain records of sewer service laterals and the property owner is responsible for maintenance. We cannot confirm if the private service lateral will be affected.

PWSA has no objection to the proposed encroachment under the conditions set forth above.

JAT

Attachment

PGH2O GIS Web Application





September 7 2021

Brian Ralston DOMI CITY OF PITTSBUGRH 611 2ND AVE PITTSBURGH, PA 15219

Re: PROPOSED ENCROACHMENT This document was prepared in response to the request made to Verizon-PA. Inc

This is in response to your request for Verizon – PA, Inc. to investigate if there will be any impacts made to Verizon facilities by the construction of the project **Pearl Street Townhomes**. We regret to inform you that Verizon does have underground facilities in the proposed construction area. If the construction is non impacting to Verizon facilities where as cable and or duct banks will not be affected and/or protected during construction Verizon will have no objection to the proposed encroachment.

Should you have any questions or concerns regarding these terms, please contact **Dan Barren** (412)237-2291

Sincerely

Dan Barren Engineer –Network Operations Engineering 508 Old Frankstown Rd. Monroeville PA, 15146 O 412.237.2291 | M 412.529.9266 Daniel.Barren@verizon.com



Janice Saltzman TEL 412.258.4669 MOBILE 412.580.9744 jsaltzman@peoples-gas.com

September 24, 2021

Karina Ricks, Director Department of Mobility and Infrastructure City of Pittsburgh 611 Second Avenue Pittsburgh, PA 15219

> RE: Storm Pipe Encroachment – Pearl Street Tax Parcel 50-N-51 9th Ward, City of Pittsburgh

Dear Ms. Ricks:

This letter is in response to a request that Peoples Natural Gas Company (Peoples) received from PVE-LLC regarding an encroachment permit for a storm pipe at the above-referenced location.

Based on the drawings provided to Peoples, the proposed encroachment will not interfere with our gas facilities in this area.

Peoples has no objection to the proposed encroachment.

Sincerely, Sattymen Janice Saltzman

Land Department



September 7, 2021

Mr. Greg Gorman PVE, LLC Waterfront Corporate Park III 2000 Georgetown Dr, Suite 101 Sewickley, PA 15143-8992

Dear Mr. Gorman:

As the construction contact for Comcast, I am responding to your inquiry regarding an encroachment at 210 Pearl Street, in the City of Pittsburgh, as described in your September 7, 2021, inquiry to Comcast.

Comcast has no known conflicts at this location.

Thank you.

Gene Leví

Eugene Levi Comcast Cable Communications Inc Construction / Engineering Eugene_Levi@cable.comcast.com 412-996-4188 (c)

Cc: Jennifer M. Cloonan, Director, External & Government Affairs Comcast – Keystone Region Jennifer_Cloonan@comcast.com