



CITY OF BETHLEHEM

BUREAU OF PLANNING AND ZONING

10 East Church Street, Bethlehem, Pennsylvania 18018-6025

Phone: 610-865-7094
Fax: 610-865-7330
TDD: 610-865-7086

August 20, 2024

Keith Lawler, PE
Keystone Consulting Engineers
[REDACTED]
[REDACTED]

RE: **(23-003 MLD) – 23110029 – 608 Pierce Street – Minor Land Development Plan – Ward 4, Zoned RT & SH Overlay, plan dated November 20, 2023, last revised April 29, 2024**

Dear Mr. Lawler,

The above-referenced plan has been reviewed by the appropriate City offices. We offer the following comments:

PUBLIC WORKS

Stormwater

1. Residents and users of Parkhill and Pierce Street will be adversely impacted by the increased stormwater flow concentrations and volumes as a result of the proposed parking lot at Parkhill Street; therefore, a drainage plan shall be submitted for review.
2. The closest catch basin is at 5th Street and Pierce Street, Applicant shall extend the stormwater system to correct the increased stormwater flow concentrations and volumes.
3. Roof leaders proposed to the back may help flow filtration, but will increase concentration and the vegetated strip will reach its saturation point more quickly. During the winter months permeability can be highly decreased due to surface freeze.

Sanitary Engineering

1. Sheet 2 of 7 shall include a Legend.

FIRE

1. Building height and fire access roads have been established; however, additional comments regarding Fire Department Access include:
 - a. Appendix D, Section D105.4 – Obstructions: Overhead utility and power lines shall not be located over the aerial fire apparatus access road or between the aerial fire apparatus access road and the building. Other obstructions may be placed with the approval of the *fire code official*.
 - b. Overhead utility lines indicated on the submitted plan shall to be removed/relocated.

ZONING

1. As indicated on the plan refuse storage is proposed to be external; therefore, provide screening details on a details sheet; Ref. 1318.26(a).

2. When terraces or retaining walls are utilized to cope with steep slopes, the maximum vertical drop per terrace shall be 5 feet; Ref 1316.01(e). Sheet 3 of 7, Grading and Utility Plan indicates the following top of wall (TW) and bottom of wall (BW) measurements: TW 292.5 - BW 286.6 = 5.9'; TW 293.8 - BW 286.5 = 7.3'; TW 295.1 - 286.9 = 8.2' and TW 296.5 - 290.5 = 6.0'. Applicant shall terrace the walls or may consider a vegetated crib wall.

GENERAL

1. Sheet 4 of 5, Lighting and Landscaping Plan, Additional Landscaping Requirements, provide clarification, off-street parking = 307 SF and multi-family/townhouse developments = 386 SF, or a total of 693 SF. For both calculations, proposed area = 545 SF planter bed. The only landscaped area, nearby the intersection of Pierce Street and Packer Avenue, measures ~545 SF. Per 1349.08(f)(1)(2), these calculations are in addition to any other landscape requirements.
2. Provide justification for excluding any additional street trees; whereas seven are required and none proposed. If the City agrees to accept a payment in lieu of trees, a Tree Fee of \$3,500 shall be paid prior to finalizing the Developer's Agreement.
3. A Recreation Fee of \$7,500.00 shall be paid prior to finalizing the Developer's Agreement.
4. The City recommends adding a cover page to include, at minimum, a Location map, owner and applicant information, site data, drawing index, statement of intent, City of Bethlehem notes, all required certifications and approvals; Ref. City of Bethlehem, Land Development and Subdivision Checklist.

When these comments are addressed, please submit two (2) full sets of revised plans, one (1) partial set of revised plans for Fire, an electronic plan, and a comment/response letter for further review. If the above comments can be ostensibly resolved prior to September 6th, then this item will be added to the September 12, 2024 Planning Commission Meeting Agenda. If the comments cannot be resolved by this deadline, then the Applicant shall submit an extension of time from the MPC requirements. If necessary, then submit the extension letter by September 5, 2024.

Sincerely,



Darlene L. Heller, AICP
Director of Planning and Zoning

C. Basel Yandem Geoffrey Karanja Craig Baer Olivia Teel	Greg Cryder Robert Taylor Mike Halbfoerster	Dallas Basha, Packer Ave, LLC Karl Scherzberg, KCE
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Fax: 610 997-5746

TDD: 610 865-7143

FirePrevention@bethlehem-pa.gov

AN ORDINANCE OF THE CITY OF BETHLEHEM,
COUNTIES OF LEHIGH AND NORTHAMPTON,
COMMONWEALTH OF PENNSYLVANIA, AMENDING
ARTICLE 1501 OF THE CODIFIED ORDINANCES OF
THE CITY OF BETHLEHEM TITLED
FIRE SAFETY AND CODE ENFORCEMENT INSPECTION FEES

THE COUNCIL OF THE CITY OF BETHLEHEM HEREBY ORDAINS AS FOLLOWS:

SECTION 1. That Article 1501 of the Codified Ordinances of the City of Bethlehem, titled "Fire Safety and Code Enforcement Inspection Fees" as presently enacted is hereby restated and re-enacted as follows:

ARTICLE 1501

FIRE SAFETY AND CODE ENFORCEMENT INSPECTION FEES

1501.01	Authority
1501.02	Permits Required
1501.03	Inspection
1501.04	Adoption
1501.05	Modifications to 2018 International Fire Code

CROSS-REFERENCES

2018 International Fire Code - International Code Council

Article 150 of the Codified Ordinances of the City of Bethlehem - Codes Board of Appeals

Article 746 of the Codified Ordinances of the City of Bethlehem - Consumer Fireworks

DOT 49 CFR Parts 100-185 - United States Department of Transportation regulations

Optional Third-Class City Charter Law Act of July 15, 1957, P.L. 901, as amended

Pennsylvania Uniform Construction Code 34 Pa.Code § 403

1501.01 AUTHORITY.

The City of Bethlehem Fire Department, Bureau of Inspections is hereby charged with the enforcement of this Article.

1501.02 PERMITS REQUIRED.

Permits required by the International Fire Code (current edition) shall be obtained from the Fire Code Official. Issued permits shall be kept on the premises designated therein at all times and shall be readily available for inspection by the Fire Code Official.

A fee for each permit shall be paid in accordance with the fee schedule as is set forth by resolution of Council of the City of Bethlehem, Pennsylvania.

Bethlehem Fire Department



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1501.04 ADOPTION

The 2018 International Fire Code (hereafter "IFC") published by the International Code Council, which is part of the Pennsylvania Uniform Construction Code pursuant to 34 Pa. Code § 403.21(a)(8), is hereby adopted in its entirety and made part of this Article subject to the modifications implemented hereinafter and/or by subsequent ordinance(s) of the City of Bethlehem (~~strikeouts~~ identify proposed deletions and underlined text identify proposed insertions to the 2018 IFC).

101.1 Title These regulations shall be known as the *FIRE CODE* of The City of Bethlehem, hereinafter referred to as "this code".

101.2.1 Appendices B, C, D, E, F, H, I, L, are adopted as part of this code.

1501.05 MODIFICATIONS TO 2018 INTERNATIONAL FIRE CODE.

(b) § 105.6.15 of the IFC shall be amended to read as follows:

105.6.15 Fire hydrants and valves. Approval from the Bethlehem Water Authority or its designee is required to use or operate fire hydrants or valves intended for fire suppression purposes which are installed on water systems and accessible to a fire apparatus access road that is open to or generally used by the public.

Exception: A permit is not required for authorized employees of the Bethlehem Water Authority or its designee that supplies the system or the fire department to use or operate fire hydrants or valves.

(d) § 105.6.39 of the IFC shall be amended to read as follows:

105.6.39 Private fire hydrants. Approval from the Bethlehem Water Authority and the Fire Code Official is required for the removal from service of private fire hydrants.

Exception: Approval from the Bethlehem Water Authority and the Fire Code Official is not required for private industry with trained maintenance personnel, private fire brigade or fire departments to maintain, test and use private hydrants.

(g) § 105.7.19 of the IFC shall be amended to read as follows:

105.7.19 Private Fire Hydrants. A construction permit is required for the removal or modification of private fire hydrants. Maintenance performed in accordance with this code is not considered to be a modification and does not require a permit.

(k) § 109.1 of the IFC shall be amended to read as follows:



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109.1 Board of appeals established. In order to hear and decide appeals of orders, decisions or determinations made by the fire code official relative to the application and interpretation of this code, the Board of Appeal identified in Article 150 of the Codified Ordinances of the City of Bethlehem and/or occasionally known as the "Codes Board of Appeals" shall have exclusive jurisdiction, subject to any right of further appeal therefrom.

(m) The definition of the term "approved" found in IFC § 202 relating to General Definitions shall be amended to read as follows:

Approved. Acceptable to the fire code official, as evidenced by his/her written approval.

(o) The definition of the term "fire code official" found in IFC § 202 relating to General Definitions shall be amended to read as follows:

FIRE CODE OFFICIAL. The fire chief or other designated authority, including the Fire Marshal of the City of Bethlehem, charged with the administration and enforcement of the code, or a duly authorized representative. The terms "Fire Marshal of the City of Bethlehem" and "Fire Code Official" shall be interchangeable in this and any other ordinance or resolution of the City of Bethlehem.

(z) Add the following subsection to the IFC:

505.1.1 Only addresses approved and verified by the Department of Public Works Bureau of Engineering will be acceptable.

(aa) § 507.3 of the IFC shall be amended to read as follows:

507.3 Fire flow. Fire flow requirements for buildings or portions of buildings and facilities shall be determined by an approved method determined by Department of Water and Sewer Resources.

507.3.1 Fire flow testing. The fire code official, Department of Water and Sewer Resources or its designees shall be notified prior to conducting fire flow testing. Fire flow tests shall be witnessed by the fire code official, Department of Water and Sewer Resources or its designees and approved documentation of the test and results shall be provided to the Department of Water and Sewer Resources.

(bb) §507.4 of the IFC shall be amended to read as follows:

507.4 Water supply test. The fire code official and Department of Water and Sewer Resources or its designees shall be notified prior to the water supply test. Water supply tests shall be witnessed by the fire code official and Department of Water and Sewer Resources or its designees or approved documentation of the test shall be provided to Department of Water and Sewer Resources prior to final approval of the water supply system.

507.4.1 The property owner is responsible for installation and maintenance of water supply for construction projects until the water system is accepted/approved by the Department of Water



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and Sewer Resources, and responsibility for the system is formally turned over to the Department of Water and Sewer Resources.

(cc) § 507.5.1 of the IFC shall be amended to read as follows:

507.5.1 Where required. Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 400 feet (122 m) from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the fire code official and the Department of Water and Sewer Resources

Exceptions:

1. For Group R-3 and Group U occupancies, the distance requirement shall not be greater than 500 feet (152.4 m).
2. For buildings equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2, the distance requirement shall not be greater than 500 feet (152.4 m).

(dd) Insert 901.6.3.2, 901.6.3.2.1, 901.6.3.2.2

901.6.3 Records. Records of all system inspections, tests and maintenance required by the referenced standards shall be maintained on the premises for a minimum of three years and shall be provided by the company performing the inspection(s) to the Office of the Fire Marshal, unless an alternate designee is specified by Resolution approved by the City Council of the City of Bethlehem.

Insert 901.6.3.2.1 Records shall be provided per City of Bethlehem Resolutions 2018-214 and 2018-222

Insert 901.6.3.2.2 Records shall be provided within 30 days of the date of inspection, testing, or maintenance

(ee) § 903.4.2 of the IFC is deleted in its entirety and replaced with the following:

903.4.2 Alarms. Approved audible devices shall be connected to every automatic sprinkler system. Such sprinkler waterflow alarm devices shall be activated by waterflow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Alarm devices shall be provided on the exterior of the building in an approved location. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system. In automatic sprinkler systems where multiple sprinkler risers are required, and the risers are located in separate areas within the building, an outside visible alarm notification appliance shall be required for each riser. Such appliance shall be a white strobe (minimum 95 candela strobe rating) placed in an approved location



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on the exterior wall, as close as practicable, to each sprinkler riser. The strobe will activate when the water flow alarm for its respective riser is activated.

(ff) The following subsection is added: Dependent on where the proposed fire department access is located.

905.3.9. Large Area Buildings: The City requires Class I standpipes to access any portion of a building's interior which is more than 250 feet from the nearest approved point of fire department access or the nearest Class I standpipe connection. This distance shall be measured along a path of travel where fire hose can be deployed for fire suppression activities.

(gg) 905.4.1 Shall be modified to read: If standpipe systems are required, fire hydrants must be less than 100' to the FDC.

905.4.1 In every required interior exit stairway, a hose connection shall be provided for each story above and below grade plane. Hose connections shall be located at an intermediate landing between stories, when present, unless otherwise approved by the fire code official

(hh) § 906.1 of the IFC shall be amended to read as follows:

906.1 Where required, portable fire extinguishers shall be installed in the following locations.

1. In new and existing Group A, B, E, F, H, I, M, R-1, R-2, R-4 and S occupancies without exception.

