



CITY OF PHILADELPHIA
DEPARTMENT OF LICENSES & INSPECTIONS

Development Services Division
Municipal Services Building - Concourse Level
1401 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19102

**FLOOD PROTECTION
INFORMATION**

FOR BUILDING PERMIT APPLICATION

To be completed by the design professional responsible for the project and submitted with the building permit application for any property located in a Special Flood Hazard Area.

ADDRESS: _____ **DATE:** _____

TYPE OF CONSTRUCTION PROJECT:

New Construction Vertical Addition Horizontal Addition Alteration of Existing Building

APPLICATION BASED UPON: IBC and Appendix G IRC IEBC

FIRM PANEL #: _____ **EFFECTIVE DATE OF FIRM:** _____

Attach copy of FIRMette (FIRMette can be found at <https://msc.fema.gov/portal>)

PROJECT PROPOSES THE FOLLOWING (check all that apply):

- Residential Building(s)
- Non-Residential Building(s) – a commercial or non-habitational building or a mixed-use building that does not qualify as a fully residential building (i.e. businesses, churches, schools, garages, recreational buildings, mercantile buildings, industrial buildings, warehouses, nursing homes, bed and breakfasts and hotels and motels)
- Earth Disturbance/Placement of Fill Alteration of Watercourse Floodway Encroachment
- Temporary Structures Storage Tank(s) Accessory Structure(s) (200 sq. ft. or less)

GENERAL SPECIAL FLOOD HAZARD INFORMATION SUBMITTED/CONFIRMED

1. Pre-Construction Elevation Certificate submitted (current FEMA Form) Yes No
Complete Sections A, B, C (“construction Drawings”) and D (also Sections E and F if in Zone A)
2. DFE established as 18 inches above BFE per Zoning Code, Section 14-704(4) Yes No
3. DFE consistent with the site’s location on the applicable FIRM (IBC Section 1612.5) Yes No
4. Mechanical and electrical systems elevated to or above the DFE Yes No
5. Water and sewer designed to allow minimum infiltration from flood waters, or prevent it entirely Yes No
6. Materials below the DFE are resistant to prolonged water exposure Yes No
7. Ramps and stairways designed to resist flood-related loads and (in the event design flood conditions are met) will break away without causing damage to the main structure Yes No N/A
8. All areas below the DFE are designed for use consistent with Zoning Code, Section 14-704(4) Yes No
9. Waterfront setback of 50 ft. maintained per zoning Code, Section 14-704(5) Yes No

RESIDENTIAL N/A

Number of dwelling units in each building: _____ Number of buildings: _____

1. Crawlspace equipped with flood openings 1 square inch per 1 square foot of area Yes No N/A
2. Areas of crawlspace below adjacent grade creating a basement Yes No N/A
3. Details submitted for enclosures below the BFE (IBC Section 1612.5) Yes No N/A
(Include Engineered Opening Certifications or manufacturer’s documentation)
4. Fill is properly stabilized, sloped, and compacted Yes No N/A
5. Breakaway walls utilized reflect design sufficient to resist 10 psf of force, but not to exceed 20 psf
6. Garages evaluated against requirements of ASCE 24 Section 9.3 Yes No N/A
7. Chimneys or fireplaces evaluated against requirements of ASCE 24 Section 9.4 Yes No N/A
8. Swimming pools evaluated against the requirements of ASCE 24 Section 9.5 Yes No N/A

NON-RESIDENTIAL N/A

1. Details submitted for enclosures below the BFE (IBC Section 1612.5) Yes No N/A
(Include Engineered Opening Certifications or manufacturer's documentation); or
2. Documentation of dry floodproofing (IBC Section 1612.5 and ASCE 24) Yes No N/A

EARTH DISTURBANCE, PLACEMENT OF FILL, ALTERATION OF WATERCOURSE AND/OR FLOODWAY ENCROACHMENT N/A

1. Documentation that floodway encroachments will not increase flood levels Yes No N/A
(IBC Appendix G, Section G103.5)
2. Notifications provided to adjacent communities, State, FEMA for watercourse alterations Yes No N/A
(IBC Appendix G, Section G105.7)
3. Engineering analysis submitted for capacity of altered watercourse Yes No N/A
(IBC Appendix G, Section G103.6.1)
4. Hydrologic and Hydraulic analysis submitted Yes No
5. Appropriate geotechnical (soils) information submitted Yes No

TEMPORARY STRUCTURES, ACCESSORY STRUCTURES, STORAGE TANKS, FENCES AND RETAINING WALLS N/A

1. Temporary and/or accessory structures properly anchored Yes No N/A
(IBC Appendix G, Sections G801 and G901)
2. Solid fences located in the floodway (IBC Appendix G, Section G801.2) Yes No
3. Engineering analysis of retaining walls submitted (IBC Appendix G, Section G801.4) Yes No N/A
4. Underground tanks anchored to prevent flotation, collapse or lateral movement Yes No N/A
(IBC Appendix G, Section G701.2)
5. Above ground tanks elevated to or above DFE (IBC Appendix G, Section G701.2) Yes No N/A

ALTERATION N/A ESTIMATED COST OF CONSTRUCTION \$ _____

1. The building has undergone substantial damage from a fire, flood, etc. Yes No N/A
2. The building is undergoing substantial improvement, including but not limited to vertical additions, decks connected directly to the structure, general alterations, etc. Yes No N/A
3. The work proposed is in excess of 50% of the market value of the structure prior to any damage or improvement
 Yes No N/A

ALTERATION (FOR INTERNAL USE ONLY)

Market Value of Structure \$ _____ % of Market Value for Construction Costs _____ %

The work proposed is in excess of 50% of the market value of the structure Yes No

APPLY SEAL HERE

DESIGN PROFESSIONAL:

I hereby affirm that all statements are correct and complete to the best of my knowledge and that the construction plans, where submitted, are consistent with these statements

NAME: _____

ADDRESS: _____

SIGNATURE: _____