# FLOOD PLAIN DEVELOPMENT PERMIT APPLICATION

**City of Olathe, Department of Public Works**
**1385 S. Robinson Drive**
**P.O. Box 768**
**Olathe, Kansas 66051-0768**
**(913) 971-9045 FAX (913) 971-9099**

**Olathe, Kansas, Community Number 200173**

Permit Application No. _____ Date _____

Applicant _____ Owner _____

Address _____ Address _____

City, _____ City _____

State, Zip _____ State, Zip _____

Phone _____ Phone _____

Fax _____ Fax _____

Development Address _____

_____

Legal Description _____

_____

_____

**A. Flood Plain and Floodway Information and Sources:** ***(To be completed with Staff)***

FIRM Panel Number _____ Flood Hazard Zone(s) _____

Map Date _____ Floodway Area along _____
(Circle One) Creek, River, Stream.

Nearest Reference Mark(s) and Elevations(s): _____

Estimated Base Flood Elevation (BFE) at the site _____

Source(s) of BFE data if not available on FIRM Map_____

_____

Flood Hazard Boundary Map, Floodway Map, Flood Plain Information report, Etc. (indicate Title, No., Date, Etc.)_____

_____

Elevation of proposed development:_____

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**B. Would the proposed development on this property be located in an Area of Special Flood Hazard?** Yes:_____ No:_____

If YES, a Flood Plain Development Permit is required and the development must comply with the following:

In all areas identified as numbered and unnumbered A Zones, AE and AH Zones:

1. **Residential Construction**: new construction or substantial improvement of any residential structures on any lot or lots adjacent to or part of the 100 year floodplain, including manufactured homes, shall have the lowest floor, including basement, elevated a minimum of two (2) feet above base flood elevation. The elevation of the lowest floor shall be certified by a licensed land surveyor or professional engineer.
2. **Non-residential Construction**: New construction or substantial improvement of any commercial, industrial, or other non residential structures, including manufactured homes, shall have the lowest floor, including basement, elevated a minimum of two (2) feet above the base flood elevation or, together with attendant utility and sanitary facilities, be flood proofed to a minimum of two (2) feet above the base flood elevation. A registered professional engineer or architect shall certify that the standards of this subsection are satisfied. The elevation of the lowest floor shall be certified by a licensed land surveyor or professional engineer.
3. **All fully enclosed areas** below the lowest floor used solely for parking of vehicles, building access, or storage in an area other than a basement that are subject to flooding shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of flood waters. Designs for meeting this requirement must either be certified by a registered professional engineer or architect, or meet or exceed the following criteria:
    a. A minimum of two (2) openings having a total net area of not less than one (1) square inch for every square foot of enclosed area subject to flooding shall be provided; and
    b. The bottom of all openings shall be no higher than one (1) foot above grade. Openings may be equipped with screens, louvers, valves, or other coverings or devices provided that they permit the automatic entry and exit of flood waters.

In areas of shallow flooding (AO and AH Zones):

1. **AO Zones**:
    a. All new construction and substantial improvements of residential structures on any lot or lots adjacent to or part of the 100 year floodplain, including manufactured homes, shall

have the lowest floor, including basement, elevated above the highest adjacent grade at least as high a the depth number specified in feet on the community's FIRM (at least two (2) feet if no depth number is specified).

b. All new construction and substantial improvements of any commercial, industrial, or other non-residential structures, shall have the lowest floor, including basement, elevated above the highest adjacent grade at least as high as the depth number specified in feet on the community's FIRM (at least two (2) feet if no depth number is specified) or together with attendant utilities and sanitary facilities be completely flood proofed to that level so that the structure is watertight with walls substantially impermeable to the passage of water and with structural components having the capability of resisting hydrostatic and hydrodynamic loads and effects of buoyancy.

c. Adequate drainage paths shall be required around structures on slopes, in order to guide floodwaters around and away from proposed structures.

**2. AH Zones:**

a. Specific standards for all areas of special flood hazard where base flood elevation has been provided shall be required as described above.

b. Adequate drainage paths shall be required around structures on slopes, in order to guide floodwaters around and away from proposed structures.

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**C. Would the proposed development on this property be located in a Floodway Area?**

Yes:_____ No:_____

If YES, a Flood Plain Development Permit is required and the development must comply with the following:

Permits for proposed development in any Floodway Area within any Area of Special Flood Hazard are not issued without certification that the development would not result in any increase in the Base Flood Elevation, and the Permits are subject to the provision of additional information and certifications as indicated in Sections F. and G. of this form.

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**D. Would the proposed development on this property be located in the Fully Developed Floodplain (1% Chance, 100 Year Future Conditions Floodplain)?**

Yes:_____ No:_____

If YES, a Flood Plain Development Permit is required and the development must comply with the Area of Special Flood Hazard requirements listed above. Additionally, adequate drainage paths shall be required around structures on slopes, in order to guide floodwaters around and away from proposed structures.

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**E. Description of Proposed Work (Check ALL items that apply. Attach plans, descriptions, blueprints, etc., as available. Provide at least a written description and sketch plan drawings(s) showing existing and proposed conditions.)**

BUILDING/STRUCTURE

___New

___Addition/Alteration*

___Residential

___Non-residential

___Moving structure

___Removal/Demolition

NON-BUILDING

___Road, street or bridge work
___Watercourse alteration
___Drainage alteration

___Grading
___Filling
___Material Removal/Excavation
___Subdivision of land (If more than 5 acres or 50 lots, see Section F, 1, c below)

Other (Describe)_____

_____

* Does the proposed work involve an addition, alteration, reconstruction, or remodeling of an existing structure? Yes:_____ No:_____

If YES, the market value of the existing structure is $_____
If YES, the estimated cost for the proposed work is $_____
Comments or further explanation/description of work _____

_____

(Continue on reverse side or attach additional page(s) if needed)

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**F. Additional Information and Certifications required before a Flood Plain Development Permit is approved and to be provided by qualified, registered, professional engineer(s) or architect(s) licensed in the State of Kansas and whose services the applicant shall obtain.**

1. If the proposed development would be located in any Area of Special Flood Hazard, the following must be provided:
   a. The Mean Sea Level (MSL) elevation proposed for the lowest floor (including basement floor) of each proposed structure, or
   b. The Mean Sea Level (MSL) elevation to which each proposed non-residential structure would be flood proofed, and certification that the proposed development would withstand the hydrostatic and hydrodynamic loading conditions of expected flood events, and
   c. Determination and certification of the Base Flood Elevation (BFE), including calculations, a map (to scale) showing the Base Flood boundaries, and a grading plan with maximum topographic contour intervals of five (5) feet for any development or subdivision greater than fifty (50) lots or five (5) acres, and
   d. Determination and certification that the development would not raise the Base Flood Elevation (BFE) one foot or more.
   e. Increases in the BFE must be limited to the applicant's property unless impacted property owners provide written acknowledgment of the increase in BFE.

2. If the proposed development would be located in a Floodway Area, a determination and certification that the development would not result in any increase whatsoever of the Base Flood Elevation (BFE).

3. Grading Changes: Any grading changes within the area estimated to be inundated by the 100 year flood, or alterations, modification or relocations of a watercourse within the jurisdiction of the Division of Water Resources (DWR), Kansas Department of Agriculture rules and regulations, shall

insure that the water carrying capacity is maintained. The plans for such changes, shall be submitted to and approved by DWR, concurrent with City approval of the Floodplain Development Permit.

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**G. After Construction Elevation Certifications (To be provided by the applicant before issuance of a Zoning Permit and after completion of construction in accordance with an approved Flood Plain Development Permit.)**

1. For development located in a flood hazard area, the following certifications by a qualified, licensed, professional engineer, architect or land surveyor must be provided:
   a. The certified as-built Mean Sea Level (MSL) elevation of the lowest floor (including basement floor) of each residential structure.
   b. The certified as-built Mean Sea Level (MSL) flood proofed elevation of each non-residential structure, or the certified as-built Mean Sea Level (MSL) elevation of the lowest floor (including basement floor) of each nonresidential structure.

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**H. Summary of Elevation Certifications: (Attach Certification(s))**

1. The certified as-built Mean Sea Level elevation of the lowest floor (including basement floor) of each residential structure is _____ feet.

2. The certified as-built Mean Sea Level (MLS) flood proofed elevation of each non-residential structure is ____ feet, or the certified as-built lowest floor Mean Sea Level elevation (including basement floor) of each non-residential structure is ____ feet.

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**I. Action -- Approval, Conditional Approval or Denial**

Approved _____ The proposed development would comply with the applicable flood plain regulations and standards if constructed as indicated on the plans and/or descriptions considered for this permit. The permit is approved conditioned on the builder/property owner providing certifications by qualified, licensed, professional engineer(s), architect(s) or land surveyor(s) of the "as-built" Mean Sea Level elevation of the lowest floor(s) (including basement) of any new or substantially improved structure covered by this permit as indicated above. The permit is/is not subject to special conditions stipulated as noted with the endorsement below.

Denied _____ The proposed development would not comply with the applicable flood plain regulations and standards if constructed as indicated on the plans and/or description considered for this permit. The permit is denied. (Additional explanation is/is not attached)

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**J. Other Permits Required? The applicant shall contact the other agencies and obtain and provide confirmation of whether a permit is required from the following agencies:**

Corps of Engineers Permit:_____ Kansas City Office (816) 983-3533
State Permit:_____ Division of Water Resources (785) 296-5440
Other:_____ e.g. Building Permit, Grading Permit, Hauling Permit, etc.

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**K. Additional Information:**

Engineer, Architect, Land Surveyor and Contractor information (as applicable)

(Note: This information may be provided as soon as it becomes available during processing of the permit application or approval of the permit may be conditioned on the builder/property owner providing such information as soon as it becomes available.)

Engineer _____ Architect _____

Address _____ Address _____

City _____ City _____

State, Zip _____ State, Zip _____

Phone _____ Phone _____

Fax _____ Fax _____

Contractor _____ Surveyor _____

Address _____ Address _____

City _____ City _____

State, Zip _____ State, Zip _____

Phone _____ Phone _____

Fax _____ Fax _____

(Continue on reverse side or attach an additional page if needed)

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**L. Acknowledgements**

I have submitted this application for a Flood Plain Development Permit and attest that the statements and representations in this application are true and accurate to the best of my knowledge.

Builder/Property Owner_____ Date_____

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**M. Endorsement**

This application has been reviewed with respect to the information provided for this application, reference materials, maps and reports available for the administration of the Flood Plain Zoning regulations for Olathe, Kansas, and appropriate action has been taken as indicated in Section I. on this application.

Authorizing Official (Name and Title)_____

Signature_____
Date_____

Approval of this permit is/is not subject to_____stipulated special conditions as stated on the following attached page.