Date Received:

LAND MANAGEMENT DIVISION

LAND USE APPLICATION - DIRECTOR
Floodplain Development Permit: Watercourse Alteration/Relocation

PUBLIC WORKS DEPARTMENT ***3050 N .DELTA HWY EUGENE OR 97408 PLANNING: 541-682-3577***

For Office Use Only. *FILE #* *FEE:*

Applicant (print name):_____

Mailing address: _____

Phone: _____ Email: _____

Applicant Signature: _____

Agent (print name):_____

Mailing address: _____

Phone: _____ Email: _____

Agent Signature: _____

Land Owner (print name):_____

Mailing address: _____

Phone: _____ Email: _____

Land Owner Signature: _____

LOCATION

_____

Township Range Section Taxlot

_____

Site address

PROPOSAL. In one sentence, identify what you are proposing.

_____

_____

_____

Version 01/2013

NOTICE: The Applicant is responsible for providing enough information in this application for staff to make reasonable findings.

ADJOINING OWNERSHIP Is any adjacent property under the same ownership as the subject property? List the map and tax lot(s).

_____

_____

SITE PLAN A site plan must be included. Refer to the handout entitled "How to prepare your plot plan". Identify nearby driveways. Driveways spacing standards are contained in Lane Code 15.138.

ACREAGE: _____

ZONE(S): _____

DESCRIBE THE ACCESS TO THE PROPERTY (circle the answer):

State Hwy County Rd Public Rd Private Easement

GENERAL ACCESS REQUIREMENTS

Access to the site must comply with Lane Code Chapter 15. All lots, parcels, or building sites shall have reasonably safe and usable vehicular access either directly to a Public Road, County Road, State Road or an approved Private Access Easement. The access to the site must past a two part test. First, the site must have legal access. Second, that access must be reasonably safe and useable.

First: A lot or parcel shall be considered as having legal access for the purposes of development when the lot or parcel: (check the one that applies)

____ (A) Was created in an approved and recorded land division; or

____ (B) Is part of an unrecorded subdivision filed with the County as a survey recorded prior to January 1, 1955, and the roads in the unrecorded subdivision were dedicated to the County but may not have been accepted as Public Roads as defined in LC 15.010(35); or

____ (C) Is adjacent to a Public Road or County Road, and meets the frontage requirements of LC 15.120; or

____ (D) Is served by a Private Access Easement meeting the requirements of LC 15.055; or

____ (E) Is adjacent to a state road and meets any applicable state access and permit requirements.

Second: A lot or parcel shall be considered as having reasonably safe and usable vehicular access for purposes of development if the road providing access to the lot or parcel is: (check the one that applies)

____ (A) a County-maintained road or State-maintained road; or

____ (B) a Public Road, Local Access Road, or Private Access Easement physically constructed and maintained to the requirements specified in this chapter; and any applicable dedication and improvement requirements of this chapter are met.

EXISTING IMPROVEMENTS Does the property contain any roads, structures, etc.?

_____

_____

_____

PHYSICAL FEATURES: Describe the site. Identify any steep slopes, water bodies (creeks, ponds, etc.) or other significant features. Include additional pages if necessary.

_____

_____

_____

_____

APPROVAL CRITERIA

Lane Code Ch 16.244(7)(h) Notify adjacent communities and the Department of Land Conservation and Development (DLCD) prior to any alteration or relocation of a watercourse, and submit evidence of such notification to the Federal Insurance Agency.

Land Management Staff will mail notice to adjacent property owners and to the DLCD.

Lane Code Ch 16.244(7)(i) Require that a program of periodic inspection and maintenance be provided with the altered or relocated portion of the said watercourse so that the flood carrying capacity of the watercourse is not diminished.

Explain how your project meets the above standards.

_____

_____

_____

_____

Lane Code Ch 16.244 (8) Provisions for Flood Hazard Reduction. In all areas of flood hazard, the following standards are required:

(a) Provisions applicable to Unnumbered A, A1-10, AH and AE zones:

(i) All new construction and substantial improvements shall be constructed with approved materials and utility equipment resistant to flood damage.

(ii) All new construction and substantial improvements shall be constructed using methods and practices that minimize flood damage.

(iii) Electrical, heating, ventilation, plumbing and air-conditioning equipment and other service facilities shall be designed and/or otherwise elevated or located so as to prevent water from entering or accumulating within the components during conditions of flooding.

Explain how the structure(s)/project activities will meet the standards above.

_____

_____

_____

_____

(b) Review of Building Permits. Where elevation data is not available either through the Flood Insurance Study or from another authoritative source, applications for building and manufactured home placement permits shall be reviewed to assure that proposed construction will be reasonably safe from flooding. The test of reasonableness shall include the use of historical data, high water marks, photographs of past flooding, etc., where available.

Is elevation data available for this project? Yes / No

(c) Floodways. Located within areas of special flood hazard established in LC 16.244(3) are areas designated as floodways. Since the floodway is an extremely hazardous area due to the velocity of flood waters which carry debris, potential projectiles and erosion potential, the following provisions apply:

(i) Prohibit encroachments, including fill, new construction, substantial improvements and other development unless certification by a registered professional engineer is provided demonstrating that encroachments shall not result in any increase in flood levels during the occurrence of the base flood discharge. This evidence shall utilize hydrologic and hydraulic analyses performed in accordance with standard engineering practices.

If the project/structure is located within the floodway, using the FEMA Region 10 Submittal Checklist (attached) provide an engineer's study from an Oregon licensed Engineer demonstrating that the above criteria is met.

(ii) Where base flood elevations have been provided but floodways have not, the cumulative effect of any proposed development, when combined with all other existing and anticipated development, shall not increase the water surface elevation of the base flood more than one foot at any point.

If this situation exists, explain how your structure/project meets the above standard (attach additional pages if necessary).

_____
_____
_____
_____
_____

(iii) If LC 16.244(8)(c)(i) is satisfied, all new construction and substantial improvements shall comply with all applicable flood hazard reduction provisions for development in zones A1-30, AH and AE (see Table 1in Floodplain Chapter)**.**

(iv) Subdivision and partitioning of land for residential purposes is prohibited if land is located entirely within the Floodway.

Is this proposal a subdivision or partition of land? Yes / No

(d) Development in areas of special flood hazard shall also comply with the provisions in *Table 1: Provisions for Flood Hazard Reduction* (see Table 1 in Floodplain Chapter)**.**

Development will be required to meet the provisions in Table 1 as conditions of approval of this permit.

FEMA Region X
Engineering "No-Rise" Certification
Submittal Checklist for
Proposed Development in the Regulatory Floodway

Section 60.3(d)(3) of the National Flood Insurance Program (NFIP) requires that the City prohibit encroachments, including fill, new construction, substantial improvements, and other development within the adopted regulatory **floodway** unless it has been demonstrated through hydrologic and hydraulic analyses performed in accordance with standard engineering practice that the proposed encroachment would not result in any increase in flood levels within the city during the occurrence of the base (100-year) flood discharge."

Supporting data should include, but is not limited to, the following (Submittals):

☐"No-Rise" Certificate (FEMA form. Optional)

☐Duplicate of the original FIS step-backwater model printout or floppy disk.

☐Revised existing conditions step-backwater model.

☐Proposed conditions step-backwater model.

☐FIRM and topographic map, showing floodplain and floodway, the additional sections, the site location with the proposed topographic modification superimposed onto the maps, and a photo copy of the effective FIRM showing the current regulatory floodway.

☐Documentation clearly stating analysis procedures. All modifications made to the original FIS model to represent revised existing conditions, as well as those made to the revised existing conditions model to represent proposed conditions, should be well documented and submitted with all supporting data.

☐Copy of effective Floodway Data Table copied from the FIS Report.

☐Statement defining source of additional cross section topographic data and supporting information.

☐Cross section plots of the added cross-sections, for revised existing and proposed conditions.

☐Certified planimetric (boundary survey) information indicating the location of structure on the property.

☐Copy of the microfiche, or other applicable source, from which input for original step-backwater model was taken.

☐Floppy disk with all input files.

☐Printout of output files from EDIT runs for all three floodway models.

☐Hand computed conveyance compensation calculations using the cross-section and 100-year encroached hydraulic data in the modified existing conditions model comprising of:

i) Calculations of the reduction of conveyance (K) caused by the proposed obstruction, assuming no change in floodway water-surface elevation, and using the "n" value appropriate for the site of the proposed obstruction

ii) Calculation of increase in conveyance (K) obtained by the proposed offsetting measure, using the "n" value appropriate for the site of this measure
iii) Comparison showing that the conveyance increase computed in ii equals or exceeds the loss computed in i.

_____
_____
_____

Notice

If published floodway widths are changed as a result of the encroachment, then a floodway revision will be required as described in part 65.7 of the National Flood Insurance Program regulations.

Section to be filled out by Staff only:
Zone:_____
Area: _____
Location: _____
Tax Map and Lot No.: _____
FIRM Community No. 41039C_____(6/02/99)
Base Flood Elevation at Site(NGVD 1929): _____
FIS Table 7 Floodway Data: River Name: _____
Cross Section (up station): _____ Regulatory BFE: _____
Cross Section (down station): _____ Regulatory BFE: _____

Supporting Technical Data

☐Step-backwater Analysis: Hec2/HecRas/ACORE/OTHER
☐Conveyance Compensation: Hand Computations

Duplicate Effective Model: Was the original step-backwater model duplicated in the effective Flood Insurance Study (FIS)?
_____
_____

Existing Conditions Model: Was the original step backwater model revised to match existing ground conditions?
_____
_____

Proposed Conditions Model: Was existing condition model revised to reflect proposed conditions?
_____
_____