



WASHINGTON COUNTY

Dept. of Land Use & Transportation
Planning and Development Services
Current Planning
155 N. 1st Avenue, #350-13
Hillsboro, OR 97124
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<http://www.co.washington.or.us>

SUBMITTAL REQUIREMENTS FOR FLOOD PLAIN & DRAINAGE HAZARD AREAS

Applications for sites that contain flood plain and/or drainage hazard areas are reviewed by a County Engineer.

Applications for those sites will not be accepted without the following material. (NOTE: Some rural applications may not require all of the below; speak to a planner to see if § 421-1.2.c applies to your property.)

THE FOLLOWING IS REQUIRED FOR FLOOD PLAIN AND DRAINAGE HAZARD AREA.

“Flood Plain/Drainage Hazard Determination” form.

(Contact Washington County Land Development Services to complete this information.)

Grading/Drainage Plan: (per CDC § 410)

stamped and signed by a Professional Engineer registered in Oregon.

- Location, description & elevation of NGS, USGS, ODOT or County benchmark on plan.
- Local benchmark identified on site and referenced on plan.
- Existing and proposed topography on plan.
- Water surface flood area (and flood-way, if applicable) delineated on plan.
- Contours adjacent to flood areas:

Slope	-	Contour interval
0 to 5%	-	1 foot
5 to 10%	-	2 foot
10%+	-	5 foot

Written statements: address the following sections as applicable:

- 421-4, 421-5 or 421-6** Identify the proposed activity/use.
- 421-7** For all development in FP and DHA.
- 421-8** Criteria for dwellings.
- 421-9** Criteria for manuf. dwellings, manuf. dwelling parks, & subdivisions.
- 421-10** Criteria for non-dwelling structures.
- 421-11** Criteria for utilities.
- 421-12** Criteria for piping, culverts and man-made creek beds.
- 421-13** Criteria for parking for multi-family, institutional, commercial & industrial.

THE FOLLOWING IS REQUIRED FOR SITES CONTAINING DRAINAGE HAZARD AREA.

All of the above information.

Additional information on plans:

stamped by a Professional Engineer registered in Oregon, which includes the following:

- Location of survey reference baseline.
- Survey of cross sections.
- Note on plan indicating that information is field surveyed (aerial surveys cannot substitute for field surveys).

Cross sections: stamped by a Professional Engineer registered in Oregon (minimum of three cross sections; use more when required by site topography).

Calculations: stamped by a Professional Engineer registered in Oregon.

- Calculations for hydrology using 25-year design storm for ultimate development
- Or**
- Design flow provided by Washington Co. or Clean Water Services existing info. on file.
- Calculations for flow through sections using Manning’s Equation or HEC-2. See “Drainage Hazard Area Procedure” handout.
- Calculations for existing off-site flow restrictions which affect the site (culverts, roads, topography, etc.)