

Pierce County

Department of Planning and Land Services
Development Engineering Section

PROJECT NAME: _____ PWFS #: _____

PWSR or PWSA NO.: _____ BPRS NO.: _____

REVIEWED BY: _____ DATE: _____

FLOOD BOUNDARY DELINEATION SURVEY TITLE 18E.70.030 B

Circled items need to be addressed. Checked items are OK. A determination cannot yet be made on items left blank. Address these items. If you believe a particular blank item does not apply, state this explicitly.

1. _____ Parcel number, owners name, and site address.
2. _____ Date and method survey was performed.
3. _____ Drawing is titled "Flood Boundary Delineation Survey". (Exception to this would be for subdivisions where the labeled flood boundary can be shown on the recorded plat)
4. _____ Survey must be stamped, signed and dated by a Professional Land Surveyor.
5. _____ Survey must have a scale, legend and north arrow. A vicinity map is preferred.
6. _____ Survey must show Basis of Bearings.
7. _____ Survey drawn on 18" x 24" or 22" x 34" sheets.
8. _____ Location and dimensions of all existing and proposed development (driveways, storm drainage structures, septic systems, wells, grading limits, etc.) showing approximate distance from parcel lines.
9. _____ Survey must show elevation contours at a minimum 2 foot vertical intervals.
10. _____ The source of the vertical datum used on the survey (e.g. County benchmark) with description and published elevation. If converting between datums, the conversion must be shown.
11. _____ GPS based surveys must show the GPS derived X, Y, and Vertical values of the source vertical benchmark and the relationship between the published X, Y, (if available) and Vertical values.
12. _____ GPS based surveys must show the Ellipsoid (Preferred is NAD83) and Geoid (Preferred Geoid 03) models used.

13. _____ Site Base Flood Elevation (BFE) and site contours must be tied to an established vertical datum (i.e. NAVD 88 or NGVD 29) only one datum is to be referenced.
14. _____ Base Flood Elevation (BFE) and the source of BFE information. (i.e. Pierce County (individuals name), FEMA Panel xxxx and effective date, approved flood study prepared by (individuals name) dated mm/dd/yyyy).
15. _____ If the BFE is approved by Pierce County upon approximation based on a reasonably safe elevation, then the drawing needs a note stating "The BFE shown was determined by (individuals name) with approximate methods and not by a Detailed Flood Study."
16. _____ Base Flood Elevation (BFE) Contour line clearly shown and labeled. On a site with confusing topography, a hatched or shaded area may be necessary to show what is in the floodplain and what is out of the floodplain.
17. _____ If the limits of the floodplain are determined to be off the parcel, then a note stating the BFE will be on the drawing and a contour of high ground will be shown that protects the property and/or the area of proposed development from the Base Flood.
18. _____ All applicable floodways: FEMA defined, Channel Migration Zone, Deep and/or Fast Flowing Water, Potholes, Groundwater Flooding Areas and Natural Waters/Watercourse.
19. _____ Location of any other drainage courses regardless if they are directly associated with the mapped floodplain.
20. _____ In a Coastal Flood Hazard Zone the Coastal BFE contour and the contour exactly 2 feet above the Coastal BFE will be shown.
21. _____ Proposed Finished Floor Elevations (FF) should not be shown unless accompanied by both a foundation detail with the correct "point of compliance" labeled two feet above the BFE and with a note that the "building elevations must meet the current ordinance or known flood risk in effect at the time application is made for the building permit."
22. _____ Show the lowest existing floor elevation if proposing an addition to the side of an existing structure or substantial improvement to an existing structure.
23. _____ Title Notification for Flood Hazard (IF APPLICABLE) A.F.N. _____

**RETURN MARKED SETS
WHEN RESUBMITTING**