



RULE-MAKING ORDER PERMANENT RULE ONLY

CR-103P (December 2017) (Implements RCW 34.05.360)

CODE REVISER USE ONLY

OFFICE OF THE CODE REVISER
STATE OF WASHINGTON
FILED

DATE: August 13, 2018

TIME: 3:31 PM

WSR 18-17-080

Agency: Department of Natural Resources

Effective date of rule:

Permanent Rules

31 days after filing.

Other (specify) _____ (If less than 31 days after filing, a specific finding under RCW 34.05.380(3) is required and should be stated below)

Any other findings required by other provisions of law as precondition to adoption or effectiveness of rule?

Yes No If Yes, explain:

Purpose: Topographic elements shown on maps produced to document and display topography are a product of professional practice for those registered under chapters 18.43 and 18.210 RCW. Our intention in drafting proposed WAC 332-130-145 is to provide a set of requirements for displaying topographic elements on those maps. The proposed requirements are specifically for topographic elements.

Citation of rules affected by this order:

New: 332-130-145

Repealed:

Amended:

Suspended:

Statutory authority for adoption: RCW 58.24.040 (1)

Other authority:

PERMANENT RULE (Including Expedited Rule Making)

Adopted under notice filed as WSR 18-11-132 on May 23, 2018 (date).

Describe any changes other than editing from proposed to adopted version: Changed the wording from "topographic maps" to "topographic elements on maps" and added a couple of examples."

If a preliminary cost-benefit analysis was prepared under RCW 34.05.328, a final cost-benefit analysis is available by contacting:

Name:

Address:

Phone:

Fax:

TTY:

Email:

Web site:

Other:

**Note: If any category is left blank, it will be calculated as zero.
No descriptive text.**

**Count by whole WAC sections only, from the WAC number through the history note.
A section may be counted in more than one category.**

The number of sections adopted in order to comply with:

Federal statute:	New	Amended	_____	Repealed	_____
Federal rules or standards:	New	Amended	_____	Repealed	_____
Recently enacted state statutes:	New	Amended	_____	Repealed	_____

The number of sections adopted at the request of a nongovernmental entity:

New	_____	Amended	_____	Repealed	_____
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The number of sections adopted on the agency's own initiative:

New	<u>1</u>	Amended	_____	Repealed	_____
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The number of sections adopted in order to clarify, streamline, or reform agency procedures:

New	_____	Amended	_____	Repealed	_____
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The number of sections adopted using:

Negotiated rule making:	New	Amended	_____	Repealed	_____
Pilot rule making:	New	Amended	_____	Repealed	_____
Other alternative rule making:	New	Amended	_____	Repealed	_____

Date Adopted: August 7, 2018
Name: Andrew Hayes
Title: Deputy Supervisor for Uplands Acting

Signature:
Signature: _____
Place signature here


NEW SECTION

WAC 332-130-145 Topographic elements on maps—Requirements. For the purposes of this section, topographic elements consist of information shown on a map which depicts the horizontal and vertical positions of natural and/or fabricated features and existing terrain surfaces. Usually, contour lines and spot elevations are used to depict surface relief, but a variety of methods can be used to show changes in terrain.

The following requirements shall apply to maps that include topographic elements, prepared by professionals registered under chapters 18.43 and 18.210 RCW. Such requirements should be considered minimum only. The professional conducting the work will determine what precision and accuracy are expected to be utilized for topographic mapping services necessitating various levels of accuracy.

(1) The following elements must be included on every map that includes topographic elements:

- (a) Vertical datum used (such as "assumed," "NAVD 88," "NSRS," "unknown");
- (b) North arrow;
- (c) Map scale and graphic scale bar;
- (d) Legend of symbols used;
- (e) Licensee name and contact information;
- (f) Seal and signature of licensee.

(2) Statements of clarification for elements shown:

(a) Basis of elevations citing benchmark(s) used with elevation(s) (such as "city bench mark 20-01, elevation 456.32 feet, GPS observation including metadata");

(b) Purpose or intended use of the topographic elements shown on the map (such as "preliminary plat," "on-site septic design," "civil engineering design");

(c) A description of the source of the contours (such as "contours derived from direct field observations," or "contours shown are from county GIS");

(d) Labeling to determine contour interval(s);

(e) Description of project benchmarks established (such as "railroad spike in power pole," "chiseled 'X' in concrete curb");

(f) Statement of elevations and contour accuracy (such as "national mapping standards, one-half the contour interval");

(g) Statement on limitation of use (such as "preliminary-not for design," "this is not a boundary survey");

(h) Source of boundary information (such as "record of survey including auditor indexing information," "county GIS") and method(s) used to relate area mapped to said boundaries.

(3) Statements of clarification of utility information shown:

(a) Source of utility location (such as "surface markings," "as-built," "potholing," or "field measurement");

(b) Statement of accuracy of utility depiction (such as "locations of underground utilities shown hereon are based upon field measurement" or "locations of underground utilities shown hereon are based upon as-built maps");

(c) A statement of the scope of work between the project owner and the licensee regarding the comprehensiveness, exclusions, and limits of the utility investigations leading to these utility depictions.