

**Proposed Amendment to
Chapter 101 (Subdivision Provisions)**

Amend Article 2 (Subdivision Application Procedures and Approval Process), Section 101-2-5 (Final Subdivision Plat), Paragraph (c) (Preparation), subparagraph (3), to read as follows.

(3) A boundary survey of the site, with a maximum permissible error of closure within the limit of one (1) in twenty thousand (20,000), related to the Virginia Coordinate System of 1983 (VCS 83) North Zone. Two (2) adjacent corners or two points on every plan sheet shall be referenced to the VCS 83 with coordinate values shown in feet. If a conversion from meters to feet is necessary, the foot definition used for conversion is the U.S. Survey Foot of 1 ft. = 1200/3937 E+00 meters. Plats may be related to true north or meridian of record for properties located more than 1.24 miles (2.0 kilometers) from one or both of the two (2) nearest VCS 83 monuments, with distance measured along a straight line from each monument to the closest point on the property boundary. Plats for subdivisions creating no more than two (2) lots may be related to true north or meridian of record. Plats referenced to VCS 83 shall be annotated as follows: “The plat of the property shown hereon is referenced to the Virginia Coordinate System of 1983 as computed from a field run boundary, and horizontal control survey which ties this boundary to the Fairfax County ~~Geographic Information System~~ Survey Monument (insert number and name of monument and show combined grid and elevation factor) or NOAA/NGS Survey Monument (insert PID number and designation with the combined scale factor).” It is the surveyor’s responsibility to ascertain the existence of VCS 83 control monuments to be utilized in their surveys. Assistance will be provided by the Land Survey Branch, Construction Management Division, DPWES to the extent of granting access to their records on VCS 83 control data. If using a GPS Static, or Virtual Reference System for deriving horizontal and/or vertical control, coordinates must be stated in VCS83, North Zone, U.S. Survey Foot units, with NGVD1929 vertical datum and so stated in the above format.

**Proposed Amendment to
Chapter 112 (Zoning Ordinance)**

Amend Article 17 (Site Plans), Part 1 (General Requirements), Section 17-106 (Required Information on Plans), Paragraph 5, to read as follows.

5. A boundary survey of the site, with an maximum permissible error of closure within the limit of one (1) in twenty thousand (20,000), related to the Virginia Coordinate System of 1983 (VCS 83 (with appropriate reference frame(s) and necessary velocities)) North Zone. Two (2) adjacent corners or two points on every plan sheet shall be referenced to the VCS 83 with coordinate values shown in feet. If a conversion from meters to feet is necessary, the foot definition used for conversion is the U.S. Survey Foot of 1 ft. = 1200/3937 E+00 meters. Plans may be related to true north or meridian of record for properties located more than 1.24 miles (2.0 kilometers) from one or both of the two (2) nearest VCS 83 monuments, with distance measured along a straight line from each monument to the closest point on the property boundary. Plans referenced to VCS 83 shall be annotated as follows: “The site shown hereon is referenced to the Virginia Coordinate System of 1983 as computed from a field run boundary, and horizontal and vertical control survey which ties this boundary to the Fairfax County ~~Geographic Information System~~ Survey Monument (insert number and name of monument and show the combined scale (grid factor multiplied by the and elevation factor) or NOAA/NGS Survey Monument (insert PID number and designation) with the combined scale factor (grid factor multiplied by the elevation factor).” If using a GPS Static, or Virtual or Continuously Operating Reference System for deriving horizontal and/or vertical control, coordinates must be stated in VCS83 (with appropriate reference frame(s) and necessary velocities), North Zone, U.S. Survey Foot units, with NGVD1929 vertical datum and so stated in the above format.

**Proposed Amendment to the
Public Facilities Manual**

Amend Chapter 2 (General Subdivision and Site Plan Information), Section 2-0107 (Topography), Paragraph 1B of the Public Facilities Manual, to read as follows:

| 2-0107.1B All topography shall be correlated to the ~~USGS~~ [NGVD 1929](#) datum.

Amend Chapter 2 (General Subdivision and Site Plan Information), Section 2-0212 (General Required Information on Plans and Profiles), Paragraph 11 of the Public Facilities Manual, to read as follows:

| 2-0212.11 Datum reference for elevations used shall be shown and correlated to ~~USGS~~ [NGVD 1929](#) datum. In addition, all subdivisions and site plans shall show the location, elevation, and
| description of two ~~bench marks~~ [benchmarks](#) which are properly correlated to the plan elevations.