

BURLEIGH COUNTY DIGITAL PLAT/PLAN SUBMITTAL REQUIREMENTS

Introduction

The Burleigh County Building/Planning/Zoning Department requires all preliminary plats, final plats, and minor subdivision final plats to be submitted in digital format. The purpose of these specifications is to form a standardized approach to the way a digital drawing submittal is collected, retrieved, stored, and analyzed, allowing the ability to share data among multiple departments and to reduce data redundancy. This will allow the Geographic Information System to be as current as possible, therefore making the information more valuable to all the agencies involved. This requirement is in addition to the existing hardcopy submission requirements. The intent of a digital submittal is to enable the required hardcopy and digital submission to be produced from the same digital data without significant modification. Engineering stamps/certifications are not required on the digital submission. There are some basic structure required, such as layer designation, line type, and use of the same geodetic base. However, there are no database linkage requirements. The digital submittal requirements are subject to change, and the hard copy will continue to be the official document.

Purpose

The purpose of this document is to describe the minimum content and format of digital files for all subdivision plans and plats before they are considered "officially filed".

Geodetic Control

At a minimum 2 section corners must be included in every plat and/or plan.

All data in the plats/plans must be referenced to those section corners.

The basis of the bearing for the plats/plans must be in the following:

Projection: State Plane Coordinate System

Zone: North Dakota South Zone (fips 3302)

Horizontal Datum: North American Datum NAD83 (*adjusted 1986*)

Vertical Datum: North American Vertical Datum of 1988 (*NAVD 88*) International feet

Units: International feet

Projection Type: Grid

Data Format Requirements

Digital plats/plans need to be in the following file format:

DWG (AutoCad drawing file)

All digital files must be mapped to scale and submitted to:

Burleigh County Building/Planning/Zoning Department via email to rjziegler@nd.gov preferred; or CD/DVD-ROM.

Data Layering and Subdivision Requirements

- A. The following table displays the data features that are required in a digital submittal. These are the preferred naming conventions. If another naming convention is to be used, it must be submitted to Burleigh County.

PLATBND	Plat Boundary Lines
LOTS	Lot Lines
ROW	Right-of-Way
NONACCESS	Non-Access Lines
ESMT	Easement Lines
SL	Section Lines
CL	Street Centerlines

- B. Annotation Requirement: Annotation submitted digitally will be identical to annotation submitted on the hard copy maps. Please include all annotations (lot dimensions, measurements, etc.)
- C. Coordinates Displayed as Text Requirement: When displaying x and y coordinates, the whole number for the coordinate will be shown to two (2) decimal positions, i.e., no constants will be applied.
- D. Each layer must have only its element on it. For example, a lot line must be on a lot line layer versus the easement line or setback line layers.

Review of Digital Data

- A. All digital data will be reviewed for the following criteria:
- Correct layering and naming
 - Closure of the geometry of the boundary
 - Verification that the digital and hardcopy maps are consistent
 - Correct geographical position (i.e. correct coordinate values for final submissions)
- B. The licensed Surveyor/Registered Civil Engineer will be responsible for correcting any errors and will have to resubmit the correct digital file prior to approval by Burleigh County.
- C. There will be a 6-month grace period from the first digital submission given to each surveyor/engineering firm in which Burleigh County will review the submission and give feedback on whether it meets the new standards. If it does not the surveyor/engineer will be allowed to re-submit with corrections. After the grace period, any submission which does not meet these standards will be rejected.

Stages of Submittal

In an effort to clarify where a plat is in the process of approval, please let us know what is being submitted by using the following terms when forwarding digital data.

- a. **"Preliminary Pending"** for digital data that is being submitted with the application for tentative approval of a preliminary plat.
- b. **"Preliminary Pending Revised"** for digital data that would replace previously submitted data for a preliminary plat.
- c. **"Final Pending"** for digital data that is being submitted with the application for approval of a final plat, or minor subdivision plat.
- d. **"Final Pending Revised"** for digital data that would replace previously submitted data for a final plat, or minor subdivision final plat.
- e. **"Final Approved"** for digital data that reflects what has been approved and placed on Mylar for recording purposes.