



DEVELOPMENT PROCESS MANUAL

Chapter 7: Surveys and Permanent Monumentation



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7. Surveys and Permanent Monumentation

7.1 Introduction

This chapter outlines the minimum criteria, standards, and acceptable procedures for establishing survey monuments required by the City of Rio Rancho's Subdivision Ordinance (Chapter 155) and the New Mexico State Statutes Chapter 61-23-1 Engineering and Surveying Practices Act (NMSA 1978).

All subdivision surveys shall be referenced to the coordinate system based on the New Mexico State Plane, Central Zone, with vertical datum utilizing North American Vertical Datum 1988 (NAVD'88), and horizontal datum utilizing North American Datum 1983 (NAD'83). At least one point on the subdivision survey plat must show New Mexico State Plane northing and easting coordinates with combined scale factor and mapping angle indicated. Where existing platting references land grant or other information, subsequent platting will reference the New Mexico State Plane, Central Zone Coordinate System (Chapter 155.24 (D) (3), (a) and 155.25(C), (5)).

In general, any professional surveyor licensed in the State of New Mexico can perform the survey requirements for the development process; however, certain portions must be performed under the City Engineer or his/her designee approval and specifications.

7.2 Governing Regulations

The New Mexico State Statutes, including but not limited to NMSA 1978, 61-23-1, Engineering and Surveying Practices Act, and the NMAC Title 12, Chapter 8 Part 2, Minimum Standards for Surveying in New Mexico contains the regulations governing monumentation and surveys for subdivisions in the City of Rio Rancho. Survey, design, and construction professionals should be thoroughly familiar with the survey and monumentation requirements of these regulations.

7.3 Monumentation

7.3.A Subdivision Monuments

1. Subdivision control monuments must meet the State's current Minimum Standards for Surveying in New Mexico, as amended.
2. Monuments must be set flush with the earth or within 0.2 feet above and must bear a cap or permanent tag identifying the registration number of the surveyor setting the monument.
3. Subdivision control monuments shall be set only under the supervision of a professional surveyor licensed in the State of New Mexico.

7.3.B Permanent Survey Monuments

Section reserved for future use.

7.3.C Benchmarks

Section reserved for future use.

7.4 Rio Rancho Geodetic Reference (Control Survey Network)

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