

MEMORANDUM

New Mexico Office of the State Engineer

Water Use & Conservation Bureau

Date: July 18, 2001

To: Brian C. Wilson, P.E., Chief, Water Use & Conservation Bureau

From: John T. Romero, Water Master I

Subject: Santa Fe Animal Shelter Development Plan, Santa Fe County

The proposed development is a request to develop a 76.6-acre tract of land into a community animal shelter. The tract is located in Section 35, Township 17 North, Range 08 East, New Mexico Principal Meridian. This office reviewed this proposal on August 29, 2001. This proposal was reviewed pursuant to the Santa Fe County Land Development Code and provisions of the New Mexico Subdivision Act.

The developer has indicated that a 72-12-1 domestic well will supply water to this development. The well has been drilled and properly permitted by the Office of the State Engineer (OSE). The well number for this well is RG-77280. The developer has submitted a geohydrology report and pump test addressing water availability for this development. A water budget stating that the development will use 2.58 acre-feet of water per year was initially submitted; however, now the developer has submitted a water budget for 2.52 acre-feet per year. The maximum amount of water that can be diverted from a 72-12-1 domestic well is 3.0 acre-feet per year and the maximum amount of land that can be irrigated is one acre.

The developer has indicated that the development will be landscaped to conserve water. The developer has indicated that 760 square-feet of drip irrigated landscaping will take place for phase I while phase II will utilize treated wastewater effluent purchased from the City of Santa Fe. The developer must address additional conservation measures for this development proposal before final approval is issued. It is recommended that the developer refer to Office of The State Engineer (OSE) Technical Report 48 entitled "Water Conservation and Quantification of Water Demands in Subdivisions" (Wilson, 1996) and "A Water Conservation Guide for Commercial, Institutional & Industrial Users" (OSE, 1999) to use as an aide in calculating additional water conservation measures. Additionally, it is recommended that the county require the developer to install a totalizing meter on this well and provide quarterly meter readings to the OSE.

I am of the opinion that the developer will sufficiently meet the requirements of the Santa Fe County Land Development Code when they address additional conservation measures for this development in their water proposal. Therefore, a positive opinion will be issued for this development contingent upon the developer adequately addressing the issue of conservation with their preliminary and/or final plan submittal.