

WATER SUPPLY INFORMATION SUMMARY

Section 30-28-133(d), C.R.S. requires that the applicant submit to the County, "Adequate evidence that a water supply that is sufficient in terms of quantity, quality and dependability will be available to ensure an adequate supply of water.

1. NAME OF DEVELOPMENT AS PROPOSED Renehan Subdivision				
2. LAND USE ACTION Minor Subdivision				
3. NAME OF EXISTING PARCEL AS RECORDED Warranty Deed Reception No. 213007142 (El Paso County) Colorado Records				
SUBDIVISION	FILING	BLOCK	LOT	
4. TOTAL ACREAGE 34.28	5. NUMBER OF LOTS PROPOSED 3	PLAT MAP ENCLOSED <input checked="" type="checkbox"/> YES		
6. PARCEL HISTORY - Please attach copies of deeds, plats or other evidence or documentation.				
A. Was parcel recorded with county prior to June 1, 1972? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				
B. Has the parcel ever been part of a division of land action since June 1, 1972? <input type="checkbox"/> YES <input type="checkbox"/> NO				
If yes, describe the previous action <u>5 acres of original parcel sold in June 1972</u>				
7. LOCATION OF PARCEL - Include a map deliniating the project area and tie to a section corner.				
<u>1/2</u> XX OF <u>SE</u> <u>1/4</u> SECTION <u>13</u> TOWNSHIP <u>12</u> <input type="checkbox"/> N <input checked="" type="checkbox"/> S RANGE <u>66</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W				
PRINCIPAL MERIDIAN: <input checked="" type="checkbox"/> 6TH <input type="checkbox"/> N.M. <input type="checkbox"/> UTE <input type="checkbox"/> COSTILLA				
8. PLAT - Location of all wells on property must be plotted and permit numbers provided. no wells at this time. proposed wells shown on new plat Surveyors plat <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If not, scaled hand drawn sketch <input type="checkbox"/> Yes <input type="checkbox"/> No				
9. ESTIMATED WATER REQUIREMENTS - Gallons per Day or Acre Feet per Year		10. WATER SUPPLY SOURCE		
HOUSEHOLD USE # <u>3</u> of units _____ GPD <u>0.810</u> AF		<input type="checkbox"/> EXISTING WELLS WELL PERMIT NUMBERS _____ _____	<input type="checkbox"/> DEVELOPED SPRING _____	
COMMERCIAL USE # <u>NA</u> of S.F. _____ GPD _____ AF				<input type="checkbox"/> NEW WELLS - DAWSON PROPOSED AQUIFERS - (CHECK ONE) <input type="checkbox"/> ALLUVIAL <input type="checkbox"/> UPPER ARAPAHOE <input type="checkbox"/> UPPER DAWSON <input type="checkbox"/> LOWER ARAPAHOE <input type="checkbox"/> LOWER DAWSON <input type="checkbox"/> LARAMIE FOX HILLS <input type="checkbox"/> DENVER <input type="checkbox"/> DAKOTA <input type="checkbox"/> OTHER _____
IRRIGATION # _____ of acres _____ GPD <u>0.0566</u> AF (AF/1000 SF)		<input type="checkbox"/> MUNICIPAL <input type="checkbox"/> ASSOCIATION <input type="checkbox"/> COMPANY <input type="checkbox"/> DISTRICT NAME _____ LETTER OF COMMITMENT FOR SERVICE <input type="checkbox"/> YES <input type="checkbox"/> NO	WATER COURT DECREE CASE NO.'S <u>OOCW99 (Division 2)</u> <u>OOCW196 Division 1</u>	
STOCK WATERING # <u>assuming 12 per Water Resources Report</u> of head _____ GPD <u>0.132</u> AF				
OTHER _____ GPD _____ AF				
TOTAL INDOOR _____ GPD <u>2.40</u> AF				
11. ENGINEER'S WATER SUPPLY REPORT <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, PLEASE FORWARD WITH THIS FORM. (This may be required before our review is completed.) has been uploaded previously and is in EDARP project folder, reviewed with comments and addressed comments with resubmission				
12. TYPE OF SEWAGE DISPOSAL SYSTEM				
<input checked="" type="checkbox"/> SEPTIC TANK/LEACH FIELD		<input type="checkbox"/> CENTRAL SYSTEM - DISTRICT NAME _____		
<input type="checkbox"/> LAGOON		<input type="checkbox"/> VAULT - LOCATION SEWAGE HAULED TO _____		
<input type="checkbox"/> ENGINEERED SYSTEM (Attach a copy of engineering design)		<input type="checkbox"/> OTHER _____		

1.0 INTRODUCTION AND EXECUTIVE SUMMARY

The purpose of this report is to address the specific water needs of a proposed subdivision of Parcel # 6213000050 in El Paso County, CO.

EXECUTIVE SUMMARY: The water rights and augmentation plan in place for the existing parcel are adequate to meet the needs of three (3) lots proposed for the subdivision on a 300-year basis.

2.0 PROJECTED LAND USES

2.1 Projected Land Uses

This report pertains to the existing 34.368-acre parcel that is proposed to be divided into three (3) lots, with Lot 1 described as 8.619 acres, Lot 2 at 17.057 acres, and Lot 3 at 8.692 acres. Please refer to the *Land Use Exhibit* in **Appendix A**.

3.0 WATER NEEDS AND PROJECTED DEMANDS

3.1 Water Demand Summary

It is anticipated that the proposed three residential lots, one consisting of approximately 8.619 acres, one consisting of 17.057 acres, and one consisting of 8.692 acres, will use approximately 0.78 AF/year of water total for indoor household uses and a total of 2.4 AF/year of water combined water uses for the entire subdivision. This estimate is based upon information from the *Findings of Fact* contained in Division 2 Court Case 00CW99 located in **Appendix C** as well as the El Paso County Land Development Code Chapter 8.4.7 Section B.7.d. Water demands and wastewater loads are shown Table 3-1 below:

Table 3-1: Summary of Expected Water Demands & Wastewater Loads

# of SFEs	Water					Wastewater
	Annual Indoor Use 0.27 (AF/YR/SFE)	Average Daily Indoor Use (GPD)	Irrigation 0.0566 (AF/1,000 SF)	Domestic Watering 0.011 (AF/Horse/Year)	Total Indoor, Watering, & Irrigation (AF)	ADF (@ 90% Indoor Use) (GPD)
3	<i>Note 1</i> 0.810	723	<i>Note 2</i> 1.460	<i>Note 3</i> 0.132	2.40	651
Total					2.40	651

Note 1: Per Findings of Fact Section 19, Decree No. 00CW99 and No. 00CW196.

Note 2: Assuming 0.0566 per 1000 ft^2 per El Paso County Land Development Code and 8,600 SF of lawn/garden/trees

Note 3: Assuming for a total of 12 horses (4 horses per unit)

3.2 *Unit Water User Characteristics*

Unit water user characteristics are counted on a *single-family equivalent (SFE)* basis. All single-family homes are counted as one SFE, and user characteristics were based on information provided in the *El Paso County Land Development Code*, Chapter 8.

3.3 *Demand versus Supply*

An overall demand of 2.4 acre-feet for the proposed subdivision is less than the amount of supply listed in the decrees, determinations, and *Findings of Fact* (provided in **Appendix C**) and is further discussed in Section 4.0 of this report.

4.0 WATER RIGHTS AND SUPPLY

4.1 *Water Rights*

Water rights, determinations, and replacement plan have been applied for as shown in **Appendix C**. Table 4-1 below summarizes the information from said water rights and pending determinations.

Table 4-1: Water Rights Summary

Rehan Subdivision
Overall Water Supply Inventory

Land Formation/ Aquifer	Determination	Tributary Status	Area (Acres)	Total Water Decree (AF)	Annual Allocation 100-Year (AF/Year)	Annual Allocation 300-Year (AF/Year)
Dawson	00CW99	NNT	34.368	1,100	11.00	3.67
Denver	00CW99	NNT	34.368	2,220	22.20	7.40
Arapahoe	00CW99	NNT	34.368	1,520	15.2	5.07
Laramie-Fox Hills	00CW99	NT	34.368	980	9.80	3.27
Total Legal Supply					58.20	19.40
					100-Year	300-Year

Beneficial Uses: *Domestic Indoor, Industrial, Commercial, Fire Protection, Augmentation Indoor & Outdoor Irrigation, Livestock, Recreational, Fish/Wildlife, Storage*

According to the *Findings of Fact* contained in Division 2 Court Case No. 00CW99 located in **Appendix C**, the following conditions are allowed for the subject property: