

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		<u>Falcon Storage</u>	
2. LAND USE ACTION		<u>Final Plat</u>	
3. NAME OF EXISTING PARCEL AS RECORDED		TR IN W2 SEC 1-13-65 DESC AS FOLS: BEG AT NW COR OF LATIGO BUSINESS CENTER FIL NO 1, TH N 00°16'02" E 501.15 FT, TH S89°43'58"E 493.97FT, TH S24°14'14"W 53.65FT TH ALG ARC OF CUR TO THE L HAVING A RAD OF 605.0FT A C/A OF 23°58'12" AN ARC DIST OF 253.11FT, TH S00°16'02"W 206.48FT, TH N89°45'50"W 420.0FT TO POB	
SUBDIVISION	<u>See Above</u>	FILING	<u>N/A</u>
BLOCK	<u>N/A</u>	Lot	<u>N/A</u>
4. TOTAL ACERAGE	<u>5</u>	5. NUMBER OF LOTS PROPOSED	<u>1</u>
PLAT MAPS ENCLOSED		<input checked="" type="checkbox"/> YES	
6. PARCEL HISTORY - Please attach copies of deeds, plats, or other evidence or documentation. (In submittal package)			
A. Was parcel recorded with county prior to June 1, 1972?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
B. Has the parcel ever been part of a division of land action since June 1, 1972?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
If yes, describe the previous action			
7. LOCATION OF PARCEL - Include a map delineating the project area and tie to a section corner. (In submittal)			
<u>W 1/2</u> OF SECTION <u>1</u> TOWNSHIP <u>13</u>		<input type="checkbox"/> N <input checked="" type="checkbox"/> S RANGE <u>65</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.			
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 Foot per Year		10. WATER SUPPLY SOURCE Various	
HOUSEHOLD USE # _____ of units _____ GPD _____ AF	<input checked="" type="checkbox"/> EXISTING <input type="checkbox"/> DEVELOPED <input type="checkbox"/> NEW WELLS WELLS SPRING WELL PERMIT NUMBERS <u>Multiple existing wells in the District's portfolio</u>		
COMMERCIAL USE # _____ AC _____ GPD _____ AF	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 # * <u>0.13</u> AC <u>35,343.00</u> GPD <u>0.108</u> AF	<input type="checkbox"/> MUNICIPAL <input type="checkbox"/> ASSOCIATION <input type="checkbox"/> COMPANY <input checked="" type="checkbox"/> DISTRICT NAME <u>Woodmen Hills Metropolitan District</u>		
STOCK WATERING # _____ of head _____ GPD _____ AF	WATER COURT DECREE CASE NUMBERS <u>373-BD, 562-BD</u> <u>372-BD, 561-BD</u> <u>371-BD, 560-BD</u>		
OTHER _____ GPD _____ AF	LETTER OF COMMITMENT FOR SERVICE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <u>Numerous Additional determinations and other water rights</u>		
TOTAL <u>35,343</u> GPD* <u>0.108</u> AF*	* Based on actual irrigated area and landscape design company usage quantities. See Appendix F in water resources report for irrigation calculations.		
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)			
12. TYPE OF SEWAGE DISPOSAL SYSTEM <u>N/A (Irrigation Only)</u>			
<input type="checkbox"/> SEPTIC TANK/LEACH FIELD	<input checked="" type="checkbox"/> CENTRAL SYSTEM - DISTRICT NAME: <u>Woodmen Hills Metropolitan District</u>		
<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:		

Project Name: Falcon Storage - Peyton CO

Submitted by: Natural Design Solutions, Inc. 12/29/2023

**Drip irrigation
Square Feet**

5,545

Run Time

Quantity	Plant Type	Emitter Qty.	Emitter GPH	GPH	HRS/Wk	Gallons/Wk	
80	Trees	4	2.00	640	2	1280	
53	Shrubs	2	1.00	106	2	212	
19	Grasses	1	1.00	19	2	38	
0	Perennials	1	0.50	0	2	0	
						1530	Total Gallons/Week
						6732	Total Gallons/Month
						511.0	Total Gallons/Day at 3 days of Irrigation per Week

Spray Irrigation

Square Feet Plant Type

31,276 Native Seed 0 *N/A: Native seed to be established with temporary Irrigation

Seasonal Adjustment

Month	Percentage	GAL/MO
April	60%	4,039.20
May	75%	5,049.00
June	90%	6,058.80
July	100%	6,732.00
August	90%	6,058.80
September	60%	4,039.20
October	50%	3,366.00
Total Annual Landscape Water Demand:		35,343.00 Gallons
Total Acre Feet		0.1085
Total Irrigated Area (Sq. Ft.)		5,545.00
Acre Feet per 1000 Sq. Ft.		0.0196

Presumptive Demand * 102,267.5 Gallons

* Presumptive Demand Residential and commercial landscaping use 0.0566 acre feet per 1,000 square feet of landscaping
1 Acre foot = 325851.42857143 gal (US)