

WATER RESOURCES REPORT

for

***William Guman and Associates, Ltd.
Davis Ranch Subdivision***

***EPC Parcels #: 4200000354, 4200000359, 4200000377,
4200000406, 4200000469, 4200000470***

June 2023

Prepared By:



William Guman and Associates, Ltd.
DAVIS RANCH SUBDIVISION
Northwest Corner Judge Orr Road & Elbert Road

EPC PARCELS # 4200000354, 4200000359, 4200000377,
4200000406, 4200000469, 4200000470, 4233000031

WATER RESOURCES REPORT

JUNE 2023

Prepared for:

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1.0 INTRODUCTION AND EXECUTIVE SUMMARY

The purpose of this report is to address the specific water needs of a proposed subdivision of Parcel # 4200000354, 4200000359, 4200000377, 4200000406, 4200000469, 4200000470, 4233000031 in El Paso County, CO.

EXECUTIVE SUMMARY: The proposed water rights and augmentation plan would be sufficient to meet the needs of ninety-two (92) residential lots and two (2) commercial 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 seven parcels totaling 398.91 acres, that are proposed to be divided into ninety-two (92) residential lots and two (2) commercial lots featuring up to 37,767 ft² total of commercial building space. 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 ninety-two (92) residential lots and up to 37,767 square feet of commercial space will have a combined water demand of 45.185 AF/year. The proposed ninety-two (92) residences will use approximately 40.78 AF/year for domestic, irrigation, and stock water applications while the two commercial lots are anticipated to use 4.40 AF/year to satisfy indoor and irrigation demands. All water demands are anticipated to be met using residential and commercial wells drilled into the not-nontributary Denver aquifer. These demand estimates are based upon information provided by the *Replacement Plan Application GWS-69* for the Davis Ranch Subdivision located in **Appendix C**. Also note that the property lies within the boundary of the Upper Black Squirrel Creek Designated Basin. Estimated water demands and wastewater loads are shown Table 3-1 below:

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

Water						Wastewater
# of SFEs	Annual Indoor Use 0.26 (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)
92	Note 1 23.920	21354	Note 2 14.841	Note 3 2.024	40.78	19219
# of Commercial Buildings	Total Sq Ft	Annual Indoor Use (GPD/FT 2)	Average Daily Indoor Use (GPD)	Total Irrigation (AF/1,000 SF)	Total Commercial & Irrigation (AF)	ADF (@ 90% Indoor Use) (GPD)
2	37,767	Note 4 4.230	3777	Note 5 0.170	4.400	3399
Total					45.185	19219

Note 1: **Per 8.4.7(B)(7)(d) of the EPC Land Development Code**

Note 2: **Assuming 2850 ft² of lawn/garden/trees per lot**

Note 3: **Assume 2 large animals per lot**

Note 4: **Per 8.4.7(B)(7)(d) of the EPC Land Development Code**

Note 5: **Assuming 3000 ft² of lawn/trees total**

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 45.185 acre-feet for the proposed subdivision is less than the amount of supply proposed out of the not-nontributary Denver Aquifer. The applicant has applied for a determination of water right within a designated basin using form GWS-53 out of the Denver aquifer, along with supporting forms BWS-01 and GWS-43 (provided in **Appendix C**) and is further discussed in Section 4.0 of this report. Estimated volume of 300-year water supply available out of the Denver Aquifer using the SB-5 model is assumed to be 45.19 AF/year as

shown in Exhibit D of the Replacement Plan application. Note that once the decrees are issues for the determinations and replacement plan they will be added to the water resources 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 applications and pending determinations (as Shown in Exhibit D of the replacement plan application).

Table 4-1: Water Rights Summary

Davis Ranch Subdivision

Estimated Overall Water Supply Inventory

Land Formation/ Aquifer	Determination	Tributary Status	Area	Total Decreed Water	Annual Allocation 100-Year	Annual Allocation 300-Year
			(Acres)	(AF)	(AF/Year)	(AF/Year)
Dawson	TBD	NNT	398.91	N/A	N/A	N/A
Denver	TBD	NNT	398.91	13,556	135.56	45.19
Arapahoe	TBD	NT	398.91	14,750	147.50	49.17
Laramie-Fox Hills	TBD	NT	398.91	12,488	124.88	41.63
Total Legal Supply					407.94	135.98
					<i>100-Year</i>	<i>300-Year</i>

Beneficial Uses: *Domestic Indoor, Commercial, Augmentation
Indoor & Outdoor Irrigation, Livestock*

Appendix C, the following conditions are allowed for the subject property:

- Water may be withdrawn through the three (3) existing wells (Permit # 143638, 32877, 163012), as well as allowing up to eighty-nine new additional wells (all new and existing wells will be allotted 0.443 AF/year per well). All existing and new wells will be drilled into the Denver Aquifer and will be developed on the subject property. The original permit numbers to operate this well are contained in **Appendix C**.
- Existing wells (Permit # 143638, 32877, 163012) must be re-permitted.
- Each residential well can use 0.26 AF/year for in-house use and 0.183 AF/year for other uses, which include the irrigation of up to 2850 square feet

per lot as well as 0.022 AF/year for up to two large domestic animals. Total water allotted per well is 0.443 AF/year and a total of 40.78 AF/year for the residential portion of the subdivision.

- The two proposed commercial wells can use up to 4.23 AF/year for indoor uses and another 0.17 AF/year to irrigate up to 3,000 ft² combined.
- All wells are to be drilled to the Denver aquifer. All wells to be metered.
- The type of use to which the Denver water pumped must be used for domestic indoor use, indoor and outdoor irrigation, commercial, livestock, augmentation, pursuant to the augmentation plan.

4.2 *Adequacy of Water Rights*

Current water rights are adequate for buildout demands of ninety-two (92) residential lots and two commercial lots to meet 2040 and 2060 buildout projections on a 300-year basis.

The applicant has submitted forms GWS-01, GWS-43, and GWS-53 to adjudicate Denver Basin water supplies that exist under the entire 398.91-acre property and within the Upper Black Squirrel Creek Designated Basins. The intent of the submit is to determine water supply appropriations water located in the Denver, Arapahoe, and Laramie Fox-Hills confined aquifers. Of these formations, only the Denver is considered not-nontributary while the Arapahoe, and Laramie Fox-Hills aquifers are considered non-tributary. The applicant intends to acquire the rights to draw water from the three listed formations, though use from the Denver requires an augmentation and replacement plan for all uses. The application has also submitted Form GWS-69 with associated support documentation to obtain a replacement plan defining required return flows to augment depletions from the alluvium through pumping of the not-nontributary Denver Aquifer. All associated applications, forms, and documentation are included in **Appendix C**:

- There is estimated to be 45.19 AF/year available on a 300-year supply basis out of the Denver Formation, which is greater than the estimated annual demand of 45.185 AF-year for all ninety-two (92) residential lots and two commercial lots, to be served by Denver Aquifer wells as needed.
- Assuming a 0.26 AF/yr domestic use per resident for indoor uses (*per 8.4.7(B)(7)(d) of the EPC Land Development Code*) with 90% return flows through the non-evaporative septic system per resident, this results in a 0.234 AF/yr return flow back through the septic system per resident, or 21.528 AF/year total for the ninety-two residences. In addition, assuming 90% of all indoor flows through the commercial properties will return to the aquifer through the non-evaporative septic system, approximately 3.81 AF/year of the 4.23 AF/year demanded by the commercial properties will also return to the aquifer. This results in a total return flow of 25.335 AF/year available to replace maximum depletions to the alluvium.

- The property is located within a 4% depletion are of the not-nontributary Denver aquifer. Assuming annual pumping of 45.185 AF/year out of the Denver formation at full build-out, annual depletions to the alluvium are expected to reach 1.8074 AF/year. As estimated above, return flows to the alluvium from the development are estimated to reach 25.335 AF/year, which is well in excess of the estimated depletions at maximum pumping by year 300. These estimates are included in the proposed replacement plan as submitted in Form GWS-69, with the associated documentation. The documents are included in **Appendix C**.

Conclusion:

The proposed water rights, once acquired following submittal of all water rights application, will be adequate to meet the estimated overall demand and resulting alluvial depletions of 1.8074 acre-feet/year for ninety-two (92) residential lots and two (2) commercial lots.

4.3 *Description of Proposed Water Rights*

The subject area's proposed water rights involve non-renewable supplies in the Denver Basin, further discussed below.

Non-Renewable Denver Basin Supply

The Denver Basin is a vast, deep-rock aquifer that stretches from southeast of Colorado Springs to Greeley, and from the base of the front range to the eastern end of Elbert County. Rights granted in the Denver basin are based on the ownership of the surface property – the larger the parcel, the larger the allocation. This Denver aquifer is fairly shallow in this area as the Denver Basin outcropping in this area does not include the Dawson aquifer.

Denver Basin water is considered finite and therefore non-renewable. In the subject area, there are three main formations that make up the Denver Basin: Denver, Arapahoe, and Laramie-Fox Hills (LFH), described from shallowest to deepest.

The subject property was granted water rights in the three Denver Basin formations as shown in **Table 4-1** above.

5.0 WATER SYSTEM FACILITIES AND PHYSICAL SUPPLY

5.1 *Source of Supply*

Supply for the ninety-two (92) residential lots and two (2) commercial lots will be met with future or existing wells completed in the Denver aquifer. There are existing wells (Permit # 143638, 32877, 163012) that are currently drilled into the Denver formation. Any new wells will be drilled, screened, test-pumped, and completed in accordance with the Colorado Division of Water Resources rules and regulations.

5.2 *Water Treatment*

Water from the well located at 9350 Elbert Road was tested on 04/03/23 for constituents required by El Paso County regulations for a confined aquifer. Any desired treatment of existing and future wells will rely on the individual homeowners as this is not considered a *Community System* by the Colorado Department of Public Health and Environment.

5.3 *Water Storage*

Water storage (other than potential individual cisterns or pressure tanks) will not be constructed. Therefore, a central water system with treatment and fire-flow capabilities will not be provided. The residents of each subdivided lot will be made aware of this since it will be included on the subdivision plat.

5.4 *Distribution, Pumping, and Transmission Lines*

Since there is no central water system proposed for this subdivision, no distribution, pumping, or transmission lines will be constructed.

5.5 *Water Quality*

The water quality in the Denver aquifer formation in this area has typically been suitable for residential potable use. Water samples were obtained from the existing well at 9350 Elbert County Road, Peyton, Colorado (well permit #163012) obtained via an exterior water tap serving the residence at this address. Water samples were obtained from this tap on 04/03/2023, with water quality testing performed by Colorado Analytical Laboratories and Hazen Research, Inc., per the El Paso County Land Development Code section 8.4.7(B). The final results from this water quality testing can be found in **Appendix D**. All results were found to be below primary and secondary Maximum Contaminant Limits (MCLs).

The only constituent of possible concern was the Langlier Index, which featured a result of – 1.83. Langlier Index can be used as an indicator of water corrosivity. A result below -1 can indicate that the water would be corrosive to metals. Consideration should be taken as to whether the homeowner would want to install PEX piping throughout the house instead of the typical copper piping.

Because of the absence of any and all evidence of fecal contamination in the form of E. Coli or Total Coliform, or that all sampled and analyzed constituents were below all primary and secondary standards the proposed water source emanating from the Dawson Aquifer is deemed safe for public consumption.

6.0 **EL PASO COUNTY MASTER PLANNING ELEMENTS**

6.1 *County Water Master Plan 2040 and 2060 Projections*

The subject property lies within the El Paso County Water Master Planning area, Region #3.

6.2 *Buildout (Including 2040 and 2060 Buildout):*

Expected buildout of the subject property are ninety-two (92) total lots and two commercial lots. Demands for the entire subdivision are listed in Section 3.0 of this report, which include a total demand of 45.185 AF/year as described in Form GWS-69 and the proposed documentation.

6.3 *Description of Long-Term Planning and Future Sources of Supply*

Per El Paso County criteria, the 300-year supply of water for the subject property appears to be more than adequate for full buildout, which would include both the 2040 and 2060 scenarios. However, the proposed supply in the Denver aquifer is based on non-renewable sources.

If needed beyond the 300-year supply, the subdivision has nontributary water rights in the Arapahoe and Laramie-Fox Hills formations. Please refer to the *Applications for Determinations (Form GWS-53) and Application for a Replacement Plan within a designated ground water basin (GWS-69) with supporting documentation in Appendix C.*

6.4 *Water System Interconnects*

The closest source for a potential interconnect is the Saddlehorn Ranch Water District— approximately 0.5 miles to the east. Saddlehorn Ranch Water District does include central water service which is sized to serve the existing demands within its service area.

It is not anticipated (and Saddlehorn Ranch Water District has not been contacted) that an interconnect is needed or warranted to supply water to the Davis Ranch Subdivision. However, if Denver supplies are not sufficient to provide adequate water supply to the Davis Ranch Subdivision, an interconnect with the Saddlehorn Ranch Water District may be considered.

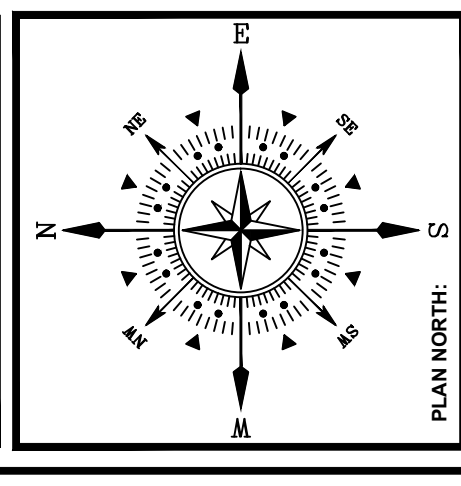
7.0 CONCLUSION

The subject property has adequate water supply to meet the needs of the proposed subdivision on a 300-year basis.

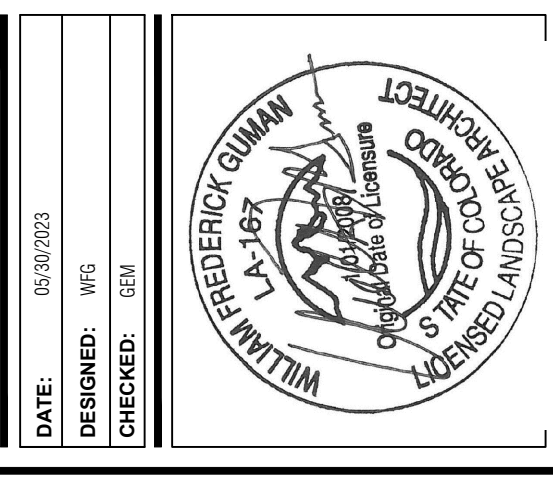
Appendix A



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 Colorado Springs, CO 80918
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 bill@guman.net



DAVIS RANCH
9350 ELBERT ROAD
PEYTON, CO 80831
 PROJECT NAME: PROJECT ADDRESS: PROJECT DESCRIPTION: SKETCH PLAN
 DATE: 05/30/2023 DESIGNED: WGS CHECKED: WGS

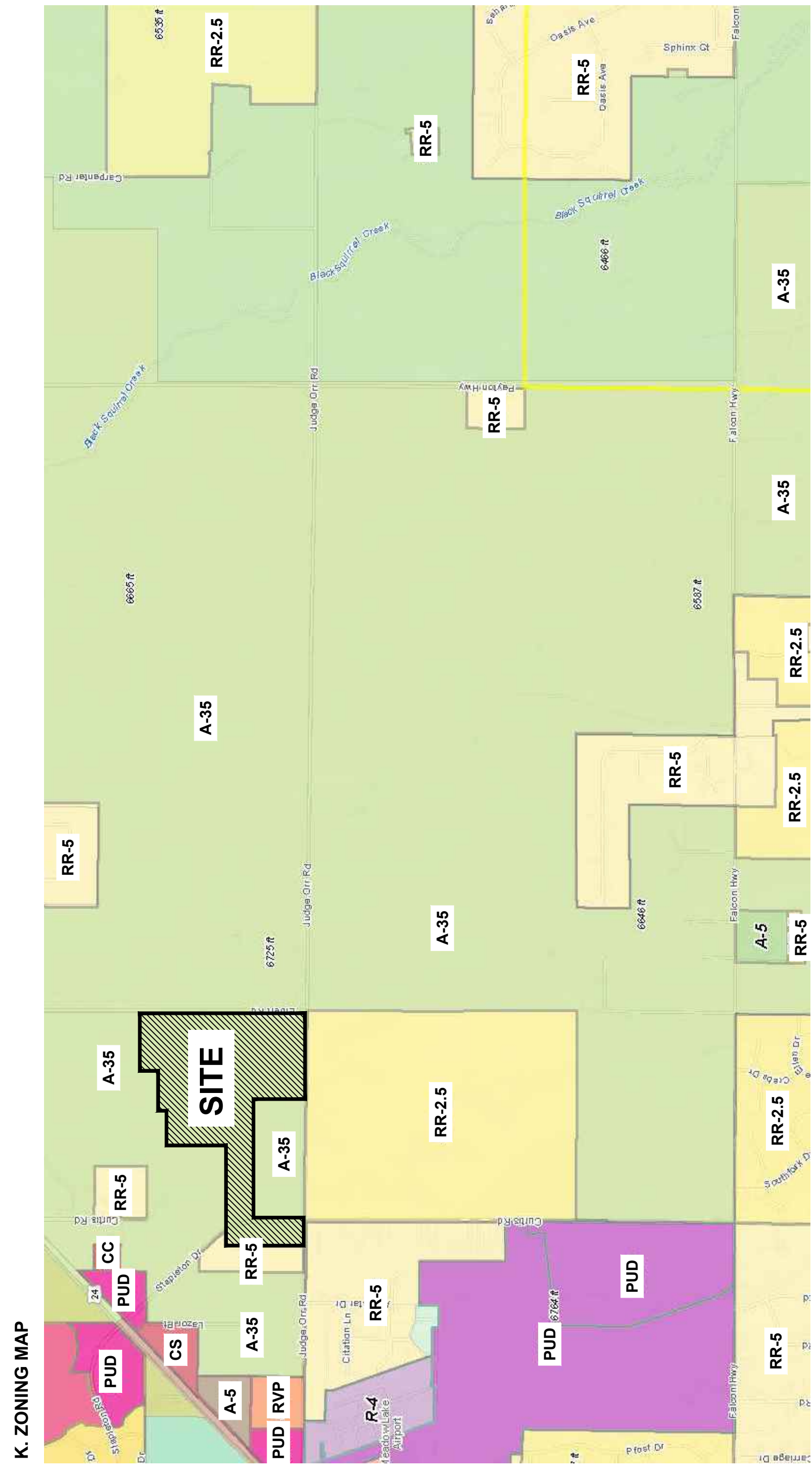


REVISIONS:	DATE:	BY:	DESCRIPTION:

PLAN SCALE: 1" = 300' OR AS NOTED ON PLAN
 SHEET TITLE: SKETCH PLAN
 SHEET NO. SKP1.1
 1 OF 3 SHEETS
 FILE NO. FILE#

DAVIS RANCH SKETCH PLAN

TWO PARCELS OF LAND BEING A PORTION OF THE SOUTHEAST QUARTER OF SECTION 33 AND A PORTION OF SECTION 34, BOTH IN TOWNSHIP 12 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO



K. ZONING MAP

L. VICINITY MAP

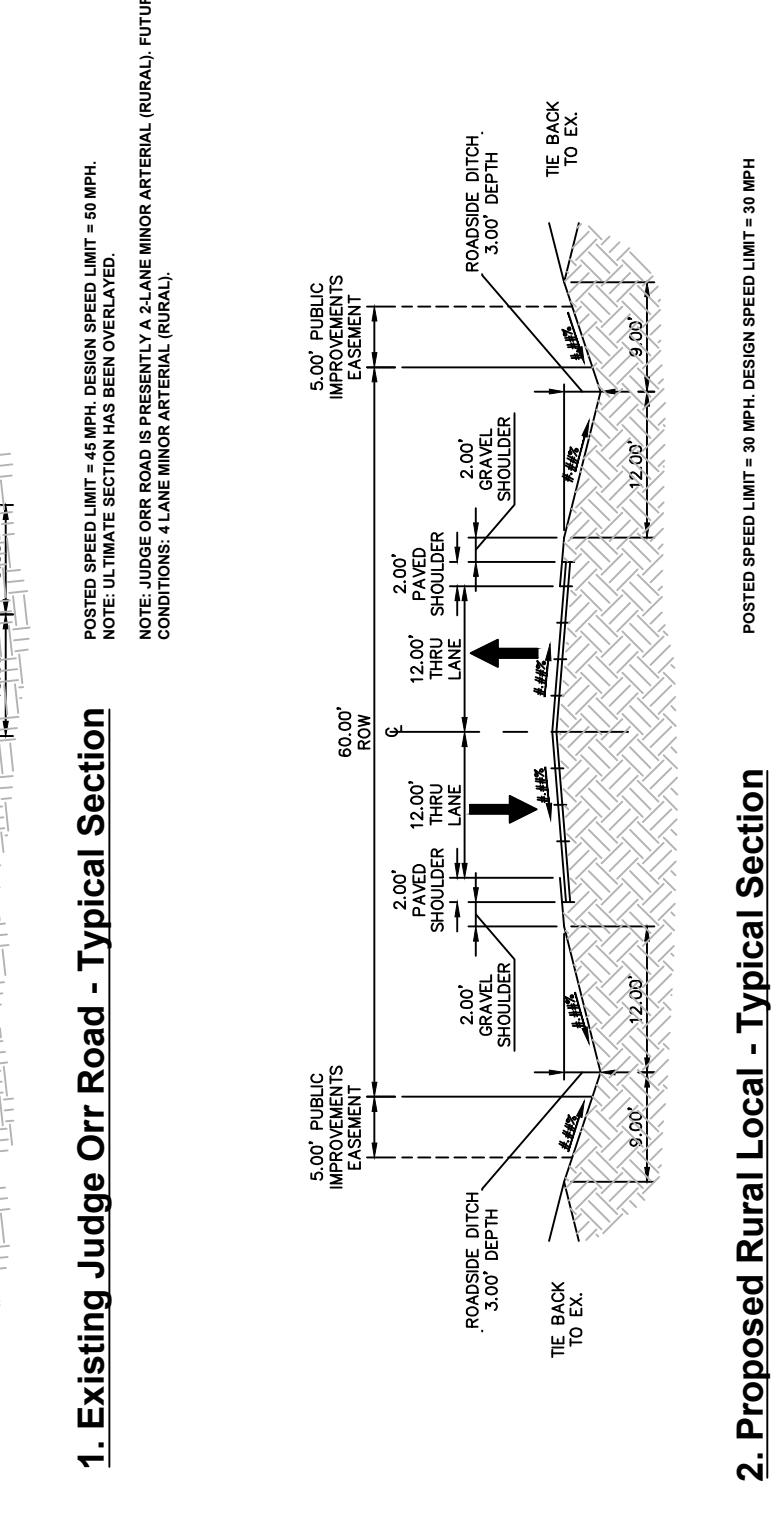
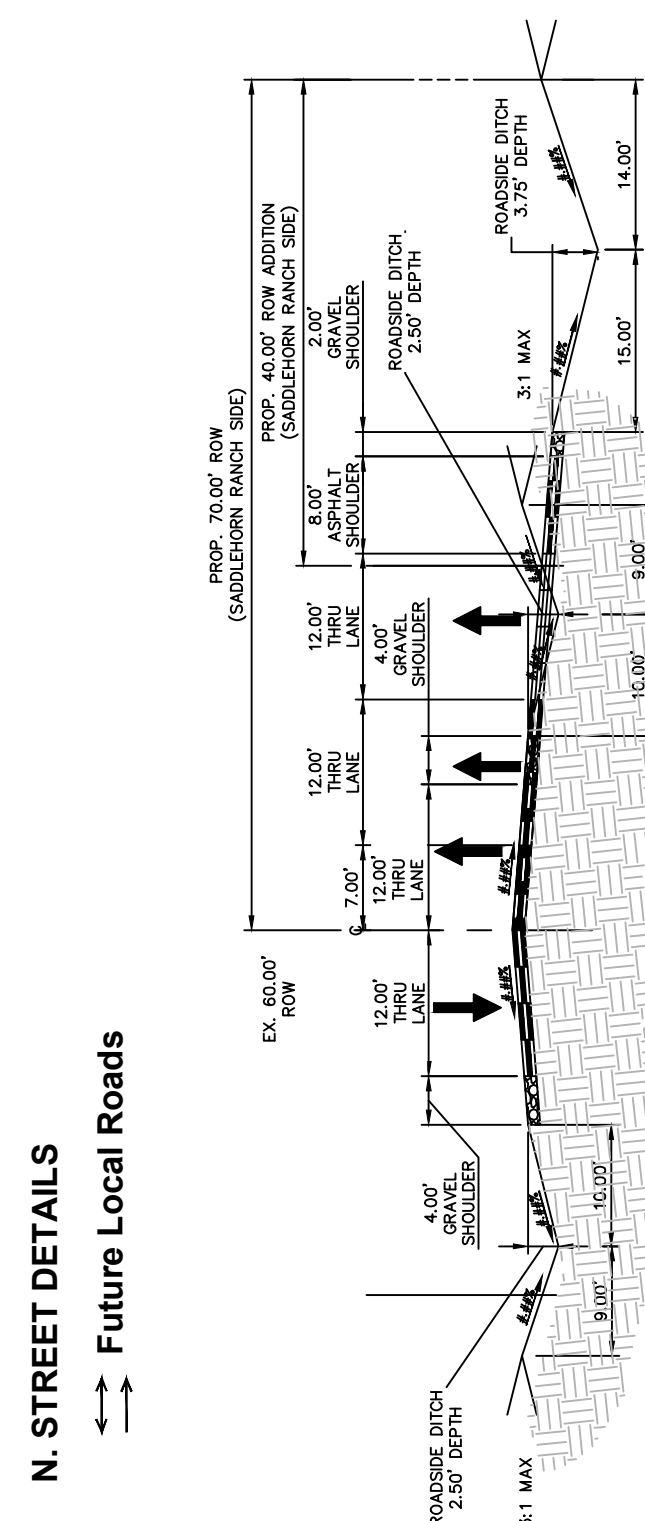
M. SITE DATA

Existing Land Use: Existing Zone District	Agricultural A-35
Site Acreage:	69.25 AC (9060 Elbert Road)
TSN 4200000377	25.68 AC (14850 Judge Orr Road)
TSN 4233000031	103.98 AC (0000 Judge Orr Road)
TSN 4230000406	80.00 AC (9060 Elbert Road)
TSN 4200000470	40.00 AC (9350 Elbert Road)
TSN 4200000359	40.00 AC (9060 Elbert Road)
TSN 4200000354	40.00 AC (0000 Elbert Road)
TSN 4200000469	398.91 AC
Total Acreage:	92 Single Family .23 DU/AC

Proposed Maximum Number of Units: 92 Single Family
Maximum Gross Density: .23 DU/AC

Proposed Land Uses:
 Residential (2.5 and 5.0 acre single family)
 Commercial (5.78 ac)
 Park/Open Space (17.79 ac including detention)

N. STREET DETAILS
 ↔ Future Local Roads



1. Existing Judge Orr Road - Typical Section

POSTED SPEED LIMIT - 45 MPH, DESIGN SPEED LIMIT - 45 MPH
 NOTE: LUGGE ONE ROAD IS PRESENTLY A 2-LANE UNIDIR. ARTERIAL (URINAL) WITH ONE CONDITION: 4-LANE UNIDIR. ARTERIAL (URINAL)

2. Proposed Rural Local - Typical Section

POSTED SPEED LIMIT - 30 MPH, DESIGN SPEED LIMIT - 30 MPH

O. SHEET INDEX

SKP 1.1 Subdividers/Applicant | Legal Description | Notes, Zoning Map | Vicinity Map | Site Data | Internal Street Detail
 SKP 1.2 Sketch Plan | Land Use Summary Table | Parcel Summary Table | Adjacent Owners
 SKP 1.3 Parcel/Open Space/Trails/Phasing Plan | Open Space and Trails Schedule | Open Space Tract Schedule | Trail Head Detail | Phasing Schedule

1. Existing Judge Orr Road - Typical Section

Any private streets, if proposed, will be privately owned and maintained by the Davis Ranch Metropolitan District or Homeowner's Association (HOA).

A waiver of the EPC Land Development Code will be requested to permit private roadways within this Sketch Plan at the time of future subsequent Development Plan submissions.

I. NO-BUILD / OPEN SPACE / RESIDENTIAL LOT OPEN SPACE EASEMENTS

Per Section 4.2.6.F.8.c. Calculation of Residential Open Space of the El Paso County Land Development Code, "individual, private residential or commercial lot areas shall not be included on the open space calculation unless the open space areas located on private lots are subject to subject to open space easements and restrictions."

The "Floodplain - No Build / OS" tracts, into which some residential lots will encroach, are included in the Sketch Plan calculations as "Private Open Space" areas. Lots that encroach into the "Floodplain - No Build / OS" tracts will be platted as open space easements in future zoning and development of submissions. These areas shall remain Private Open Space in perpetuity with no construction of primary and ancillary structures, sheds, barns, fences, etc. permitted within any no-build areas.

The Sketch Plan proposes a combination of Public and Private Open Space. Public Open Space will include a Public Park, Detention Pond parcels, and 8' Trail Easements located within certain Buffer areas to provide connectivity to Private open space easements and Public open space areas.

Public Open Space areas will be maintained by the Davis Ranch Metropolitan District or HOA. Private Open Space will be maintained by the owner on whose lot Open Space easements may be located.

Open Space will be maintained by the owner on whose lot Public and Private Open Spaces.

See Sketch Plan Sheet SKP1.3 for acreage and tract data for all Public and Private Open Spaces.

J. SOILS AND GEOLOGIC HAZARDS

Areas of proposed development that are found to be impacted by ground water, imported fill, loose and/or expansive soils, etc., will be mitigated by avoidance, re-grading, engineering design, and construction techniques. A map of any potential hazard areas of concern and recommended mitigation measures are found in the Geologic Hazard Study and Wastewater Study prepared by RMG Engineers and Architects (April 27, 2023). Further studies of these conditions that warrant additional mitigation will be provided with the Preliminary Plan or Final Plan.

K. PHASING PLAN

Davis Ranch will be developed in multiple phases and platted in multiple filings. This Sketch Plan proposes three phases of development, as indicated on Sketch Plan Sheet SKP1.3. Subsequent phases will be developed based upon prevailing market conditions and absorption of developed lots.

Preliminary phasing boundaries are indicated on this Sketch Plan but are subject to change. Proposed development and build-out of internal streets, park and open space, and installation of utilities will be determined with each phase.

G. PUBLIC STREETS

The status of all floodplains indicated on this Sketch Plan is jurisdictional and are to be determined upon further study and mapping.

No development of homes, ancillary structures, or fences will be permitted on any lot that encroaches into areas of a floodplain.

H. PRIVATE STREETS

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E. NOTES CONT'D.

16. Approximately 6 acres with frontage along Judge Orr Road are scheduled for commercial zone district.

17. Utilities for all proposed development will be via on-site well and septic as supported by the Water Resources Report submitted with this Sketch Plan application.

18. A Phasing Plan for all proposed development is provided on Sheet SKP1.3. Phasing will be implemented based upon prevailing market conditions and is subject to change.

19. Detention ponds and cross-lot drainage ditches will be located within drainage easements providing access for maintenance by the Davis Ranch Metropolitan District.

20. Open spaces, Neighborhood Park, and buffer areas will be maintained by the Davis Ranch Metropolitan District.

21. There will be no direct lot access onto Stapleton Road or Judge Orr Road. Access to a portion of the parcel is proposed onto Elbert Road due to Floodplain constraints.

22. A Noise Study will be prepared with subsequent submissions to address appropriate mitigation that may be required from Impacts of Judge Orr Road, Stapleton Road, and Elbert Road.

23. Park improvements provided by the Davis Ranch may be applied to Park Land Dedication and/or fees with review and approval by El Paso County Parks. Any park improvements will be coordinated at a later date with El Paso County Parks via Park Land Credits.

24. This Sketch Plan is proposed to provide fees in lieu of land for future school development. The project site is located entirely within the Peyton School District No. 23.

25. All electric service is to be provided by Mountain View Electric Association (MVEA). Black Hills Energy and natural gas easements will be provided as required.

26. Site lighting, if required, will satisfy the requirements of Section 6.2.3. of the El Paso County Land Development Code.

27. Davis Ranch will comply with all Federal and State laws, regulations, ordinances, review and permit requirements, and all applicable codes and standards. Davis Ranch will be subject to all rules and regulations of the Colorado Division of Parks and Wildlife, Colorado Department of Transportation, U.S. Army Corps of Engineers, and the U.S. Fish and Wildlife Service regarding the Endangered Species Act particularly as it relates to all listed species.

28. The following Districts will serve the Davis Ranch property:

- Davis Ranch Metropolitan District or HOA for maintenance of any/all common spaces, detention ponds, and drainage easements.
- Peyton School District No. 23 (Fire emergency)
- Peyton Fire Protection District (Emergency services)
- El Paso County Conservation District
- Pikes Peak Library District
- El Paso County Roads and Bridges
- Upper Black Squirrel Creek Ground Water.

29. Mail box kiosk locations and design will be determined at time of Final Plat in coordination with the U.S. Postal Service.

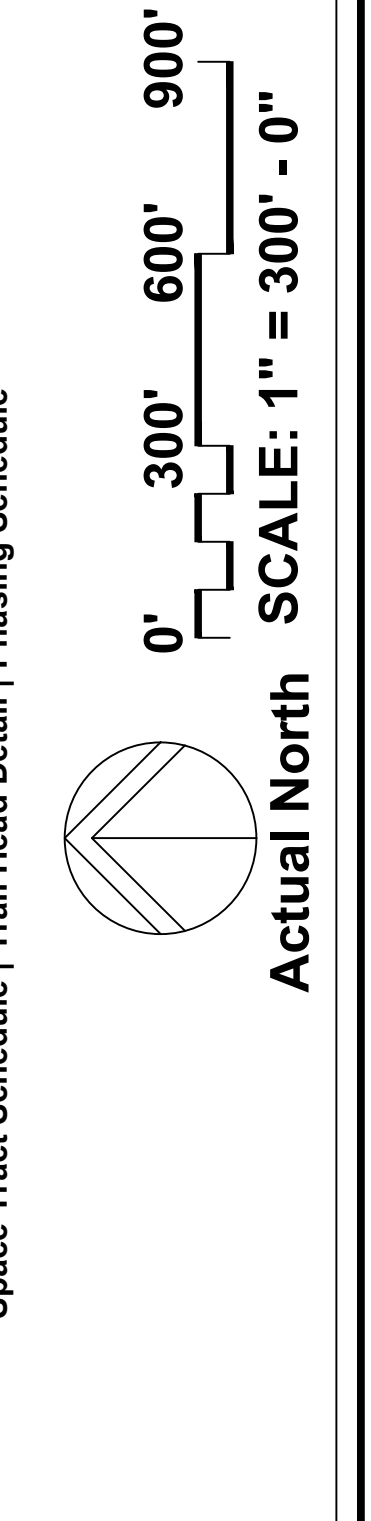
30. Perimeter buffers along existing adjacent zoning of A-35 shall be 20 feet where noted on the Sketch Plan. All other buffers to adjacent zoning will be 15 feet as noted on the Sketch Plan.

F. FLOODPLAIN NOTES

Portions of the Davis Ranch property are bisected by and located within a designated FEMA Floodplain. The Floodplain is shown on the Floodplain Elevation Map (BFE) with map numbers 0804CO5563 and 0804CO5525, with an effective date of December 7, 2018. The existing Floodplain boundaries may be revised and/or the Base Floodplain Elevation (BFE) may be modified. Coordination with FEMA will be completed to establish revised floodplain limits and BFE. If the Floodplain boundaries are revised, the Floodplain Elevation Map will be updated. The Floodplain Elevation Map and review of a Floodplain revision occurs independently of this Sketch Plan and shall be approved prior to the platting of any lots currently located within floodplain boundaries.

E. NOTES

- Acreages and percentages are rounded up to equal 100%.
- All areas designated as wetlands and drainageways, buffers, setbacks, and easements are considered as "No-Build Areas" unless otherwise indicated.
- A portion of the parcels is located within a designated FEMA RF Floodplain as determined by the FEMA National Flood Insurance Program Flood Insurance Map Numbers 0804CO5563 and 0804CO5525 with an effective date of December 7, 2018. Existing floodplain boundaries may be modified. Coordination with FEMA will be completed to establish revised floodplain limits and BFE. If the Floodplain boundaries are revised, the Floodplain Elevation Map will be updated. The Floodplain Elevation Map and review of a floodplain revision occurs independently of this Sketch Plan. It shall be approved prior to platting of any lots currently located within floodplain boundaries.
- The proposed Sketch Plan is located within the Peyton Fire Protection District.
- After approval, this Sketch Plan will expire in 5 years unless a Final Plat is submitted.
- Streets and access locations and configurations are conceptual and subject to change. Detailed street plans will be prepared and reviewed at the subdivision process.
- Access locations onto Stapleton Road, Judge Orr Road, and Elbert Road will be finalized at the Preliminary Plan or Development Plan level of submission.
- Trails are conceptual only. Detailed plans will be prepared and reviewed at the subdivision process.
- El Paso County Regional Trails on Judge Orr Road, Stapleton Road and Elbert Road are to be coordinated with El Paso County Parks and Recreation at the Preliminary Plan or Development Plan level of submission, and a Neighborhood Park will be further retained in future zoning and development plan submissions.
- A floodplain development permit is required prior to making any modifications within the indicated 100-year floodplain, including but not limited to grading, drainage, and all roadway crossings.
- A completed U.S. Army Corps of Engineers (COE) permit shall be provided to the El Paso County Planning Department prior to project commencement if ground disturbing activities are scheduled to occur in any wetland area.
- The wetland boundaries as indicated on the Sketch Plan are conceptual and subject to change. All existing wetland areas are to be mapped per the U.S. Army Corps of Engineers during future zoning and development plan submissions.
- In the event the project will create ground disturbing activity in habitat occupied by threatened or endangered species, and/or where development may occur within 300 feet of the confluence of any stream or floodplain, whichever is greater, the applicant will obtain documentation from U.S. Fish and Wildlife Service (FWS) prior to proceeding with the project.
- Information pertaining to wildlife protection measures will be provided by the applicant including fencing requirements, trash and debris containment, protection and enhancement of natural vegetation, weed control and riparian and wetland protection and buffer areas, as appropriate with future zoning and development plan submissions.
- Development proposed by this Sketch Plan is primarily larger lot single-family residential compatible with that of adjacent and by Rural Residential (RR) zone districts. 32% of proposed lots will adhere to loting and development criteria for RR-2.5 and 97% for RR-5.0 zone districts within the overall 398.91 acre development.

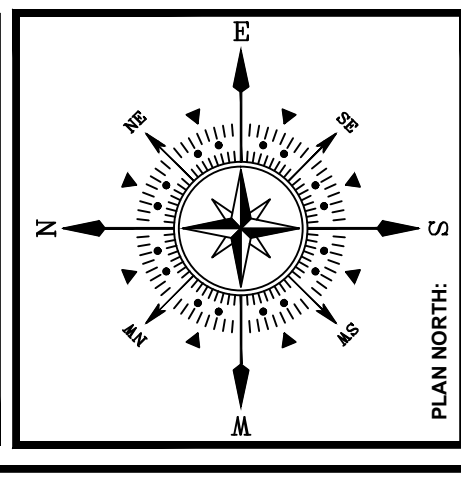


DAVIS RANCH SKETCH PLAN

TWO PARCELS OF LAND BEING A PORTION OF THE SOUTHEAST QUARTER OF SECTION 33 AND A PORTION OF SECTION 34, BOTH IN TOWNSHIP 12 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO

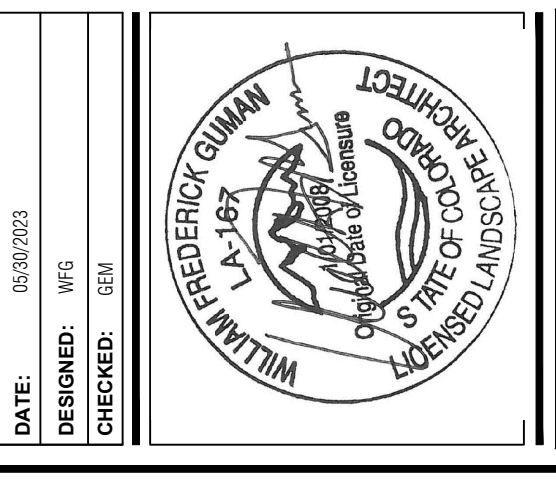


WILLIAM GANN & ASSOCIATES, LLC
 771 North Weber Street
 Colorado Springs, CO 80903
 (719) 593-9700
 www.gannland.com
 bill@gannland.com



DAVIS RANCH
 9350 ELBERT ROAD
 PEYTON, CO 80831

PROJECT NAME:
 PROJECT ADDRESS:
 DATE: 06/29/2023
 DESIGNED: WFO
 CHECKED: WFO



REVISIONS:	DATE:	BY:	DESCRIPTION:

NOTES:
 PLAN SCALE: 1" = 300' (SEE SITED PLAN)

SHEET TITLE:
 SKETCH PLAN

SHEET NO.
 SKP1.2

2 OF 3 SHEETS
 FILE #

LAND USE SUMMARY TABLE:

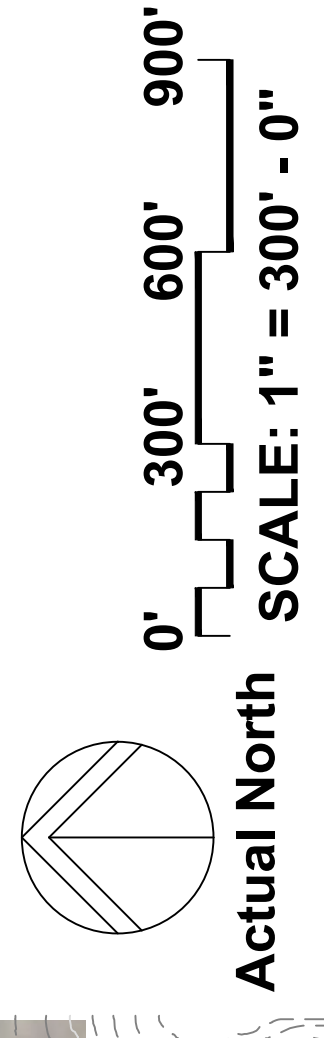
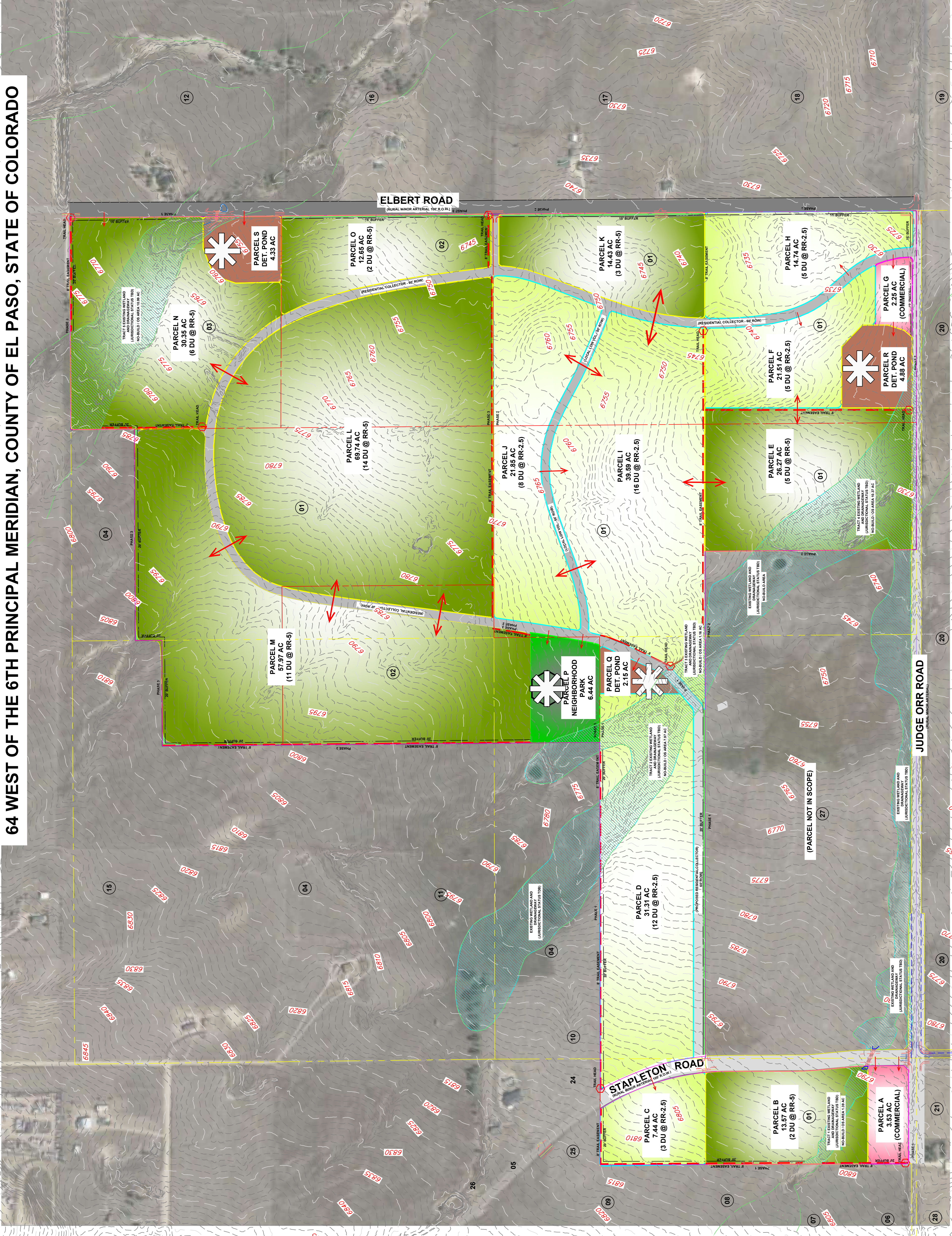
LAND USE CATEGORY	ACREAGE	% OF SITE	MAXIMUM UNITS
LOW DENSITY	127.44 ac	32%	49
RR-2.5 ZONING	226.30 ac	57%	43
COMMERCIAL	5.78 ac	1.5%	n.a.
OPEN SPACE	6.44 ac	1.7%	n.a.
FLOODPLAIN	31.89 ac	n.a.	n.a.
NO-BUILD / OS	11.35 ac	2.9%	n.a.
DETENTION	2.69 ac	1.0%	n.a.
TRAIL AND	n.a.	n.a.	n.a.
TRAIL HEAD	n.a.	n.a.	n.a.
15-20' BUFFER	n.a.	n.a.	n.a.
PROPOSED R.O.W.	20.68 ac	4.4%	n.a.
TOTAL:	388.91 ac	100%	92

A. RECORDED: THIS SKETCH PLAN IS A PRELIMINARY DESIGN AND SHOULD NOT BE USED FOR CONSTRUCTION OR AS A BASIS FOR ANY OTHER DECISIONS. B. OPEN SPACE AREAS INCLUDE PUBLIC PARK, TRAIL, DETENTION, AND PRIVATE FLOODPLAIN. NO OTHER USES ARE PERMITTED IN THESE AREAS. C. THIS SKETCH PLAN IS SUBJECT TO ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. D. THIS SKETCH PLAN IS SUBJECT TO ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. E. FLOODPLAIN: NO BUILD / OS.

PARCEL	ACREAGE	PROPOSED USE/ZONE	MAXIMUM UNITS
A	3.53	COMMERCIAL	n.a.
B	12.74	RR-2.5	3 DU
C	7.44	RR-2.5	3 DU
D	31.31	RR-2.5	12 DU
E	26.27	RR-5.0	5 DU
F	12.51	RR-2.5	5 DU
G	2.25	COMMERCIAL	n.a.
H	14.74	RR-2.5	5 DU
I	30.35	RR-2.5	8 DU
J	21.85	RR-2.5	8 DU
K	28.40	RR-5.0	3 DU
L	69.79	RR-5.0	14 DU
M	57.97	RR-5.0	11 DU
N	30.35	RR-5.0	6 DU
O	12.65	RR-5.0	2 DU
P	2.14	DETENTION	n.a.
Q	2.14	DETENTION	n.a.
R	4.33	DETENTION	n.a.
S	4.33	DETENTION	n.a.

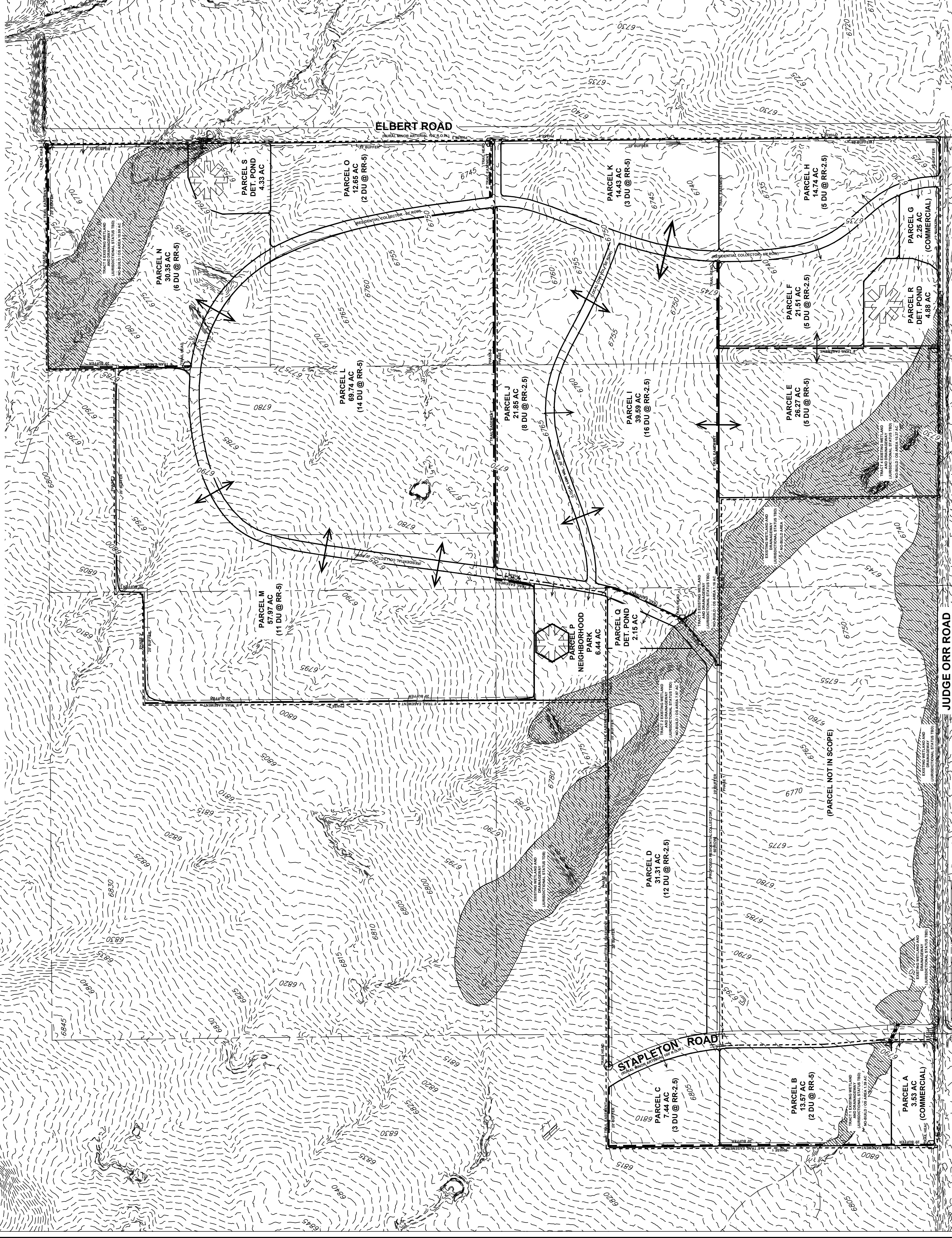
ADJACENT PROPERTY OWNERS:

KEY	NAME AND ADDRESS	KEY	NAME AND ADDRESS
(01)	Jane Davis Living Trust 9090 Elbert Road Peyton, CO 80831 - 8319 TSN 4200000377	(15)	Jerry F. Ager 9385 N. Curtis Road Peyton, CO 80831 - 8226 TSN 4234001001
(02)	Junior J. Davis 9050 Elbert Road Peyton, CO 80831 - 8319 TSN 4200000218	(16)	Joseph A. Stenstrom 9055 Elbert Road Peyton, CO 80831 - 8319 TSN 4200000244
(03)	Junior J. Davis 9350 Elbert Road Peyton, CO 80831 - 8319 TSN 4200000241	(17)	Thomas J. Elliott 8955 Elbert Road Peyton, CO 80831 - 8318 TSN 4200000245
(04)	Robert D. Gleck Trust 8349 S. Allison Street Littleton, CO 80128 - 6101 TSN 4200000289	(18)	Charlotte A. Howard 3232 Muirfield Drive Colo. Spgs., CO 80907 TSN 4200000362
(05)	Mabel L. Brown 9555 Curtis Road Peyton, CO 80831 - 7759 TSN 4200000047	(19)	Brent Houser Ent., LLC 11890 Garrett Road Peyton, CO 80831 - 7685 TSN 4300000539
(06)	Jennings Family Trust 2030 Tabor Court Colorado Springs, CO 80919 - 4843 TSN 4233002007	(20)	Gorilla Capital Co. 1342 High Street Eugene, OR 97401 TSN 4300000599
(07)	FFR, LLC 1220 Valley Street Colorado Springs, CO 80915 TSN 4233002086	(21)	J.D. Enghaus 14775 Judge Or Road Peyton, CO 80831 - 8424 TSN 4304003001
(08)	Jennings Family Trust 2030 Tabor Court Colorado Springs, CO 80919 - 4843 TSN 4233002004	(22)	Rodolfo Escobedo 10075 Burgess Road Colorado Springs, CO 80908 TSN 4304003002
(09)	Albert Omar Lopez Colorado Springs, CO 80927 TSN 4233002003	(23)	Daniel Duane Combas 8410 N. Curtis Road Colorado Springs, CO 80931 - 7927 TSN 4304003003
(10)	Roberto S. Torres 9454 Winnet Foot Road Peyton, CO 80831 - 8202 TSN 4233002002	(24)	Jennifer Renzelman Colorado Springs, CO 80919 - 4843 TSN 4233000034
(11)	Julia B. Morgan Living Trust 4825 Old Farm Drive #314 Colorado Springs, CO 80129 - 1089 TSN 4220000015	(25)	George Truesdell 227 W. Sylvester Place Littleton, CO 80129 - 6202 TSN 4233000034
(12)	Maria O. Skaggs P.O. Box 219 Lake Hopatcong, NJ 07849 - 0219 TSN 4200000103	(26)	Peter J. Hagon 704 Silver Oak Grove Colorado Springs, CO 80906 TSN 4200000377
(13)	Coronado Ranch Partners, LLC 1083 Picky Pair Place Colorado Springs, CO 80921 TSN 4200000021	(27)	Pete Lion & Sons, Inc. Rapid City, SD 57709 - 0440 P.O. Box 440 TSN 4200000405
(14)	Julia B. Morgan Living Trust 4825 Old Farm Drive #314 Colorado Springs, CO 80129 - 1089 TSN 4220000015	(28)	William R. Burns Big Pine Key, FL 33043 - 3207 TSN 4304000519



DAVIS RANCH SKETCH PLAN

TWO PARCELS OF LAND BEING A PORTION OF THE SOUTHEAST QUARTER OF SECTION 33 AND A PORTION OF SECTION 34, BOTH IN TOWNSHIP 12 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO



LAND USE CATEGORY	ACREAGE	% OF SITE	MAXIMUM UNITS
OPEN SPACE	6.44 ac	1.7%	n.a.
PARK ZONING			

Park site is intended as Public Open space
 Park site will be maintained by the Davis Ranch Metropolitan District of an HOA.

DETONATION NO-BUILD 11.35 ac 2.9% n.a.

Detention areas will be maintained by the Davis Ranch Metropolitan District of an HOA.

15-20' BUFFER n.a. n.a. n.a.

A 15' Buffer is located along all adjacent public streets. A 20' Buffer is located along all adjacent A-35 properties.

Buffers are intended as Public Open Space
 Buffer areas will be maintained by the Davis Ranch Metropolitan District of an HOA.

8' TRAIL ESMT. AND TRAIL HEAD 1.77 ac 1.0% n.a.

8' Trail is located within the 15-20' Buffer areas.
 Trail Easements are intended as Public Open Space
 Trail Easements will be maintained by the Davis Ranch Metropolitan District of HOA.

FLOODPLAIN NO-BUILD / OS 31.89 ac n.a. n.a.

Floodplain - No Build / OS tracts are intended as Private Open Space areas. Lots that encroach into the Floodplain - No Build / OS tracts will be platted at a future zoning and development plan submittal indicating that these areas are to remain Private Open Space with no construction of primary and ancillary structures, sheds, barns, fences, etc., permitted within all no-build areas.

Total acreage of Floodplain - No Build / OS tracts is included in the total acreage of the 2.5 and 5 acre parcels in which future lots will be developed.

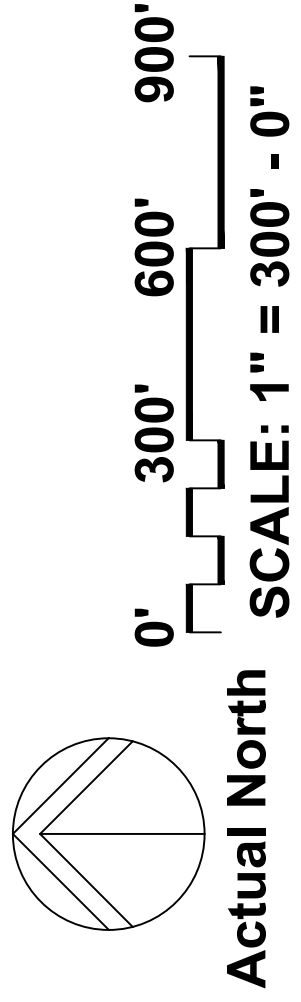
Floodplain - No Build / OS tracts are Private Open Space and are not intended as public open space, with the exception of the Trail Easements that cross through these tracts.

TYPICAL TRAILHEAD MARKER



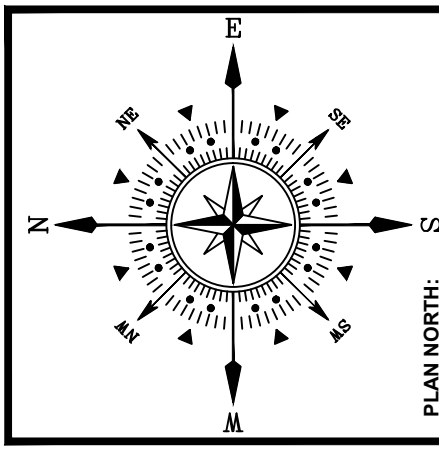
OPEN SPACE TRACT	TRACT	ACREAGE	DESIGNATION	% OF SITE
B	1	1.39 AC	PRIVATE	1.0%
B	2	7.98 AC	PRIVATE	2.0%
D	1	1.16 AC	PRIVATE	1.0%
E	4	10.37 AC	PRIVATE	2.6%
I	5	10.99 AC	PRIVATE	2.6%
N	P	6.44 AC	PUBLIC	2.8%
P	n.a.	2.14 AC	PUBLIC	1.0%
Q	n.a.	4.88 AC	PUBLIC	1.0%
R	n.a.	4.33 AC	PUBLIC	1.0%
S	n.a.	1.77 AC	PUBLIC	1.0%
TRAIL	n.a.	1.77 AC	PUBLIC	1.0%
TOTAL PRIVATE		31.89 AC		8.0%
TOTAL PUBLIC		19.56 AC		4.9%
TOTAL		51.45 AC		12.9%

PHASING SCHEDULE	PHASE	PARCEL	TOTAL UNITS	ACREAGE	PHASE PARCEL	TOTAL UNITS	ACREAGE
1	A	Commercial	3	3.53 AC	L	14	69.74 AC
1	B	2	13.57 AC	3	M	11	57.97 AC
1	C	3	7.44 AC	3	N	6	30.35 AC
1	D	12	31.31 AC	3	S	Detention	4.33 AC
1	Q	Detention	2.15 AC	3	O	2	12.65 AC
2	E	5	26.27 AC				
2	F	5	21.51 AC				
2	G	Commercial	2.25 AC				
2	H	Commercial	2.25 AC				
2	I	5	14.74 AC				
2	R	Detention	4.88 AC				
2	J	16	39.58 AC				
2	J	8	21.85 AC				
2	K	3	14.43 AC				



William Guman & Associates, LLC
 LIBERAL PLANNING, ENGINEERING, SURVEYING, LANDSCAPE ARCHITECTURE
 731 North Weber Street
 Colorado Springs, CO 80903
 (719) 538-9700
 www.gumanllc.com
 bill@gumanllc.com

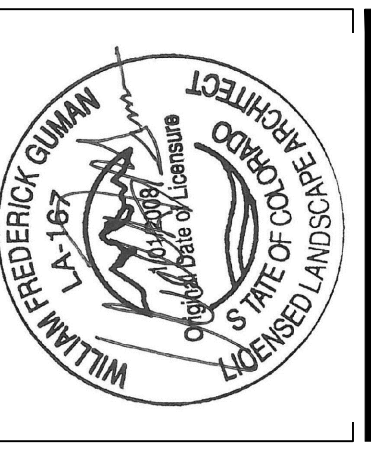
THIS SKETCH PLAN IS PREPARED BY AN ENGINEER OR ARCHITECT AND IS NOT TO BE USED FOR CONSTRUCTION WITHOUT THE APPROVAL OF THE LOCAL GOVERNMENT. THE ENGINEER OR ARCHITECT ASSUMES NO LIABILITY FOR THE CONSTRUCTION OF THE PROJECT. THE CONSTRUCTION OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE OWNER. THIS SKETCH PLAN IS NOT TO BE USED FOR CONSTRUCTION WITHOUT THE APPROVAL OF THE LOCAL GOVERNMENT. THE ENGINEER OR ARCHITECT ASSUMES NO LIABILITY FOR THE CONSTRUCTION OF THE PROJECT. THE CONSTRUCTION OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE OWNER.



DAVIS RANCH
9350 ELBERT ROAD
PEYTON, CO 80831

PROJECT NAME:
 PROJECT ADDRESS:
 PROJECT DESCRIPTION: SKETCH PLAN

DATE: 05/20/2023
 DESIGNED: WFB
 CHECKED: GEM



REVISIONS:	BY:	DESCRIPTION:

DATE: _____

PLAN SCALE: 1" = 300' (FOR AS NOTED ON PLAN)

SHEET TITLE:
SKETCH PLAN

SHEET NO:
SKP1.3

3 OF 3 SHEETS
 FILE #

Appendix B

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>Davis Ranch Subdivision</u>	
2. LAND USE ACTION		<u>Minor Subdivision</u>	
3. NAME OF EXISTING PARCEL AS RECORDED		<u>Portion of SE 1/4 of Section 33 and portion of Section 34, Township 12, Range 64 West of 6th Principal Meridian</u>	
SUBDIVISION	<u>See Above</u>	FILING	<u>N/A</u>
BLOCK	<u>N/A</u>	Lot	<u>N/A</u>
4. TOTAL ACERAGE	<u>398.91</u>	5. NUMBER OF RESIDENTIAL LOTS PROPOSED	<u>92</u>
		PLAT MAPS ENCLOSED	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 type="checkbox"/> YES <input checked="" 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)			
OF SE <u>14</u> SECTION 33&34		TOWNSHIP <u>12</u> S	<input type="checkbox"/> N <input checked="" type="checkbox"/> S
			RANGE <u>64</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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
9. ESTIMATED WATER REQUIREMENTS - Gallons per Day or Acre Foot per Year		10. WATER SUPPLY SOURCE	
HOUSEHOLD USE ¹	<u>92</u> of units <u>0.260</u> AF/SFE/YR <u>23.920</u> AF	<input checked="" type="checkbox"/> EXISTING <input checked="" type="checkbox"/> DEVELOPED	<input checked="" type="checkbox"/> NEW WELLS
COMMERCIAL USE ¹	<u>37,767</u> SF <u>3,777</u> GPD <u>4.230</u> AF	WELLS SPRING	Proposed Aquifers - (Check One)
IRRIGATION ²	<u>0.0566</u> AF/1000SF <u>13,249</u> GPD <u>14.841</u> AF	WELL PERMIT NUMBERS	<input type="checkbox"/> Alluvial <input type="checkbox"/> Upper Arapahoe
IRRIGATION ³	<u>0.0566</u> AF/1000SF <u>152</u> GPD <u>0.170</u> AF	<u>143638</u> <u>328577</u> <u>163012</u>	<input type="checkbox"/> Upper Dawson <input type="checkbox"/> Lower Arapahoe
ANIMAL WATERING ⁴	<u>2</u> Horses <u>0.011</u> AF/Horse/Year <u>2.024</u> AF		<input type="checkbox"/> Lower Dawson <input type="checkbox"/> Laramie
TOTAL	<u>40,338</u> GPD <u>45.185</u> AF*		<input checked="" type="checkbox"/> Denver <input type="checkbox"/> Dakota
		<input type="checkbox"/> MUNICIPAL	
		<input type="checkbox"/> ASSOCIATION	
		<input type="checkbox"/> COMPANY	
		<input type="checkbox"/> DISTRICT	
		NAME: <u>N/A</u>	
		LETTER OF COMMITMENT FOR	
		SERVICE - N/A <input type="checkbox"/> YES <input type="checkbox"/> NO	
		WATER COURT DECREE CASE NUMBERS	
		<u>Existing Well Permits # 143638, 320577, 163012</u>	
		<u>Replacement Plan GWS - 69 - Davis</u>	
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			
<input checked="" type="checkbox"/> SEPTIC TANK/LEACH FIELD		<input type="checkbox"/> CENTRAL SYSTEM - DISTRICT	
<input type="checkbox"/> LAGOON		<input type="checkbox"/> VAULT - LOCATION SEWAGE	
<input type="checkbox"/> ENGINEERED SYSTEM (Attach a copy of engineering design)		<input type="checkbox"/> OTHER:	

¹ Per 8.4.7(B)(7)(d) of the EPC Land Development Code

² Assuming 2850 ft² of irrigatable land for 92 lots

³ Assuming 3000 ft² of irrigatable land for commercial lots

⁴ Assuming 2 large animals for 92 lots

Appendix C

AUTHORIZATION

Application of Davis Ranch

We, Jane Davis Living Trust, Mickey Davis, Jr., Tammy Davis, Ricky Davis, and Debbie Davis, have engaged the services of Ryan W. Farr, Esq. of the firm Monson, Cummins, Shohet & Farr, LLC, to assist in the application for Water Right Determinations and a Replacement Plan. As such, Mr. Farr is authorized to act on the our behalf in this matter.

Mickey Davis, Jr. Trustee for Jane
Davis Living Trust

Date

Mickey Davis, Jr. Individually

Date

Tammy Davis

Date

Ricky Davis

Date

Debbie Davis

Date

NONTRIBUTARY GROUNDWATER LANDOWNERSHIP STATEMENT

This form is to be submitted with applications for the following, when the applicant is the owner of the overlying land.

- 1) A well permit to withdraw groundwater from the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or other aquifer the applicant claims contains nontributary groundwater, outside of a Designated Groundwater Basin subject to section 37-90-137(4), C.R.S., except when the right to withdraw the groundwater has been determined by a valid decree; OR
- 2) A determination of water right in the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or a well permit to withdraw groundwater from those aquifers that are subject to Designated Basin Rule 5.4, within a Designated Groundwater Basin.

NOTE: Form submittal instructions can be found on our website Colorado.gov/water. See instructions on the reverse of this form. Type or print in black or blue ink.

1. APPLICANT INFORMATION			
Name of Applicant			
Jane Davis Living Trust, Mickey Davis Jr., Tammy Ann Davis, Ricky Davis, Debbie Davis			
Mailing Address	City	State	Zip Code
9060 Elbert Road	Peyton	Colorado	80831
Telephone Number (include area code)	Email		
719-471-1212	rwf@cowaterlaw.com		
2. AQUIFER			
Arapahoe			
3. CLAIM OF OWNERSHIP – I hereby claim that I am the owner of the following described property, as evidenced by the attached copy of a deed recorded in the county in which the property is located.			
Number of acres: <u>398.92</u> in the county of: <u>El Paso</u>			
described as follows (insert legal description).			
<u>See attached deeds</u>			
<u> </u>			
<u> </u>			
<u> </u>			
<u> </u>			
<u> </u>			
- I further claim that the right to withdraw the groundwater in the aquifer underlying the above described property has not been reserved by another, nor has consent been given to another for the right to its withdrawal.			
4. THE APPLICANT MUST PROVIDE – a Verification of Notice of Application (form no. GWS-43) (see instructions for exceptions).			
5. SIGNATURE – Sign or enter name(s) of applicant(s) or authorized agent. The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge.			
Signature:		Date:	
Print name and title: Mickey Davis Jr. (individually and on behalf of Jane Davis Living Trust) , Tammy Davis, Ricky Davis, and Debbie Davis			

INSTRUCTIONS – NONTRIBUTARY GROUNDWATER LANDOWNERSHIP STATEMENT

ITEM 1 - APPLICANT INFORMATION - Provide the applicant's name, telephone number, mailing address and email where all correspondence will be sent.

ITEM 2 – AQUIFER - Indicate the aquifer that is the subject of the application for a well permit or Determination of Water Right. A separate statement must be submitted for each aquifer.

ITEM 3 - THE APPLICANT MUST PROVIDE – Pursuant to C.R.S. 37-90-137(4)(b.5)(I) and Designated Basin Rules 5.3.2.2 and 5.4.2.2 the applicant shall provide evidence that the applicant has given notice of the application by registered or certified mail, return receipt requested, no less than ten days prior to the making of the application, to every record owner of, and to every person who has a lien or mortgage upon, or deed of trust to, the overlying land recorded in the county in which the overlying land is located, unless the applicant is a political subdivision of the state of Colorado, special district, municipality, or quasi-municipal district that obtained the right to the underlying water by deed, assignment, or other written evidence of express or implied consent where, at the time of application, the overlying land is within the water service area of such entity. Evidence that the notice has been given is to be provided by submitting a Verification of Notice of Application (form no. GWS-043), which is available for downloading on the Division of Water Resources website at www.colorado.gov/water

ITEM 4 – CLAIM OF OWNERSHIP –

- This statement must be accompanied by a deed recorded with the county showing that the claimant is the owner of the described property. The name of the claimant must be the same as the name of the owner of the described property as shown on the deed.
- Indicate the number of acres being claimed as owned.
- Identify the county in which the property is located.
- Provide a legal description of the property.
 - For descriptions of irregularly shaped parcels (where the boundaries do not follow or parallel section lines), or where there are exclusions of land within the total parcel, the applicant must submit a map having a scale of 1:24,000 or larger (e.g. 1:10,000) which accurately depicts the described land.
 - If the legal description is too lengthy for the space provided, you may refer to an attached legal description and attach the complete legal description.
 - If the copy of the deed being provided contains an adequate legal description, that deed may be referenced.
 - The legal description and map must be complete and legible. Descriptions that are illegible or incomplete (e.g. that reference exclusions without legal descriptions) may be returned.
- Affirm the right to withdraw the groundwater in the aquifer underlying the above described property has not been reserved by another, nor has consent been given to another for the right to its withdrawal.

ITEM 5 - SIGNATURE – The form must be signed. If the applicant is a company, corporation, organization, etc., the statement must be signed by responsible person in the company who must indicate his/her title. The application may be signed by the attorney who is acting on behalf of the applicant. An applicant's authorized agent may sign the form if a letter signed by the applicant is submitted with the application authorizing the person to act as agent for the specific purpose of applying for the application.

ADDITIONAL INFORMATION:

- The Designated Basin Rules are available for viewing and downloading on the Division of Water Resources website at www.colorado.gov/water
- A map of the Designated Basins can be accessed on the Designated Basins page of the Division of Water Resources website at www.colorado.gov/water
- This form may be reproduced by photocopying or computer means.

IF YOU HAVE ANY QUESTIONS - call the Division of Water Resources - Groundwater Information Desk - at 303-866-3587

NONTRIBUTARY GROUNDWATER LANDOWNERSHIP STATEMENT

This form is to be submitted with applications for the following, when the applicant is the owner of the overlying land.

- 1) A well permit to withdraw groundwater from the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or other aquifer the applicant claims contains nontributary groundwater, outside of a Designated Groundwater Basin subject to section 37-90-137(4), C.R.S., except when the right to withdraw the groundwater has been determined by a valid decree; OR
- 2) A determination of water right in the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or a well permit to withdraw groundwater from those aquifers that are subject to Designated Basin Rule 5.4, within a Designated Groundwater Basin.

NOTE: Form submittal instructions can be found on our website Colorado.gov/water. See instructions on the reverse of this form. Type or print in black or blue ink.

1. APPLICANT INFORMATION			
Name of Applicant			
Jane Davis Living Trust, Mickey Davis Jr., Tammy Ann Davis, Ricky Davis, Debbie Davis			
Mailing Address	City	State	Zip Code
9060 Elbert Road	Peyton	Colorado	80831
Telephone Number (include area code)	Email		
719-471-1212	rwf@cowaterlaw.com		
2. AQUIFER			
Denver			
3. CLAIM OF OWNERSHIP – I hereby claim that I am the owner of the following described property, as evidenced by the attached copy of a deed recorded in the county in which the property is located.			
Number of acres: <u>398.92</u> in the county of: <u>El Paso</u>			
described as follows (insert legal description).			
<u>See attached deeds</u>			
<u> </u>			
<u> </u>			
<u> </u>			
<u> </u>			
<u> </u>			
- I further claim that the right to withdraw the groundwater in the aquifer underlying the above described property has not been reserved by another, nor has consent been given to another for the right to its withdrawal.			
4. THE APPLICANT MUST PROVIDE – a Verification of Notice of Application (form no. GWS-43) (see instructions for exceptions).			
5. SIGNATURE – Sign or enter name(s) of applicant(s) or authorized agent. The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge.			
Signature:		Date:	
Print name and title: Mickey Davis Jr. (individually and on behalf of Jane Davis Living Trust) , Tammy Davis, Ricky Davis, and Debbie Davis			

INSTRUCTIONS – NONTRIBUTARY GROUNDWATER LANDOWNERSHIP STATEMENT

ITEM 1 - APPLICANT INFORMATION - Provide the applicant's name, telephone number, mailing address and email where all correspondence will be sent.

ITEM 2 – AQUIFER - Indicate the aquifer that is the subject of the application for a well permit or Determination of Water Right. A separate statement must be submitted for each aquifer.

ITEM 3 - THE APPLICANT MUST PROVIDE – Pursuant to C.R.S. 37-90-137(4)(b.5)(I) and Designated Basin Rules 5.3.2.2 and 5.4.2.2 the applicant shall provide evidence that the applicant has given notice of the application by registered or certified mail, return receipt requested, no less than ten days prior to the making of the application, to every record owner of, and to every person who has a lien or mortgage upon, or deed of trust to, the overlying land recorded in the county in which the overlying land is located, unless the applicant is a political subdivision of the state of Colorado, special district, municipality, or quasi-municipal district that obtained the right to the underlying water by deed, assignment, or other written evidence of express or implied consent where, at the time of application, the overlying land is within the water service area of such entity. Evidence that the notice has been given is to be provided by submitting a Verification of Notice of Application (form no. GWS-043), which is available for downloading on the Division of Water Resources website at www.colorado.gov/water

ITEM 4 – CLAIM OF OWNERSHIP –

- This statement must be accompanied by a deed recorded with the county showing that the claimant is the owner of the described property. The name of the claimant must be the same as the name of the owner of the described property as shown on the deed.
- Indicate the number of acres being claimed as owned.
- Identify the county in which the property is located.
- Provide a legal description of the property.
 - For descriptions of irregularly shaped parcels (where the boundaries do not follow or parallel section lines), or where there are exclusions of land within the total parcel, the applicant must submit a map having a scale of 1:24,000 or larger (e.g. 1:10,000) which accurately depicts the described land.
 - If the legal description is too lengthy for the space provided, you may refer to an attached legal description and attach the complete legal description.
 - If the copy of the deed being provided contains an adequate legal description, that deed may be referenced.
 - The legal description and map must be complete and legible. Descriptions that are illegible or incomplete (e.g. that reference exclusions without legal descriptions) may be returned.
- Affirm the right to withdraw the groundwater in the aquifer underlying the above described property has not been reserved by another, nor has consent been given to another for the right to its withdrawal.

ITEM 5 - SIGNATURE – The form must be signed. If the applicant is a company, corporation, organization, etc., the statement must be signed by responsible person in the company who must indicate his/her title. The application may be signed by the attorney who is acting on behalf of the applicant. An applicant's authorized agent may sign the form if a letter signed by the applicant is submitted with the application authorizing the person to act as agent for the specific purpose of applying for the application.

ADDITIONAL INFORMATION:

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IF YOU HAVE ANY QUESTIONS - call the Division of Water Resources - Groundwater Information Desk - at 303-866-3587

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1. APPLICANT INFORMATION			
Name of Applicant			
Jane Davis Living Trust, Mickey Davis Jr., Tammy Ann Davis, Ricky Davis, Debbie Davis			
Mailing Address	City	State	Zip Code
9060 Elbert Road	Peyton	Colorado	80831
Telephone Number (include area code)	Email		
719-471-1212	rwf@cowaterlaw.com		
2. AQUIFER			
Laramie-Fox Hills			
3. CLAIM OF OWNERSHIP – I hereby claim that I am the owner of the following described property, as evidenced by the attached copy of a deed recorded in the county in which the property is located.			
Number of acres: <u>398.92</u> in the county of: <u>El Paso</u>			
described as follows (insert legal description).			
<u>See attached deeds</u>			
<u> </u>			
<u> </u>			
<u> </u>			
<u> </u>			
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- I further claim that the right to withdraw the groundwater in the aquifer underlying the above described property has not been reserved by another, nor has consent been given to another for the right to its withdrawal.			
4. THE APPLICANT MUST PROVIDE – a Verification of Notice of Application (form no. GWS-43) (see instructions for exceptions).			
5. SIGNATURE – Sign or enter name(s) of applicant(s) or authorized agent. The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge.			
Signature:		Date:	
Print name and title: Mickey Davis Jr. (individually and on behalf of Jane Davis Living Trust) , Tammy Davis, Ricky Davis, and Debbie Davis			

INSTRUCTIONS – NONTRIBUTARY GROUNDWATER LANDOWNERSHIP STATEMENT

ITEM 1 - APPLICANT INFORMATION - Provide the applicant's name, telephone number, mailing address and email where all correspondence will be sent.

ITEM 2 – AQUIFER - Indicate the aquifer that is the subject of the application for a well permit or Determination of Water Right. A separate statement must be submitted for each aquifer.

ITEM 3 - THE APPLICANT MUST PROVIDE – Pursuant to C.R.S. 37-90-137(4)(b.5)(I) and Designated Basin Rules 5.3.2.2 and 5.4.2.2 the applicant shall provide evidence that the applicant has given notice of the application by registered or certified mail, return receipt requested, no less than ten days prior to the making of the application, to every record owner of, and to every person who has a lien or mortgage upon, or deed of trust to, the overlying land recorded in the county in which the overlying land is located, unless the applicant is a political subdivision of the state of Colorado, special district, municipality, or quasi-municipal district that obtained the right to the underlying water by deed, assignment, or other written evidence of express or implied consent where, at the time of application, the overlying land is within the water service area of such entity. Evidence that the notice has been given is to be provided by submitting a Verification of Notice of Application (form no. GWS-043), which is available for downloading on the Division of Water Resources website at www.colorado.gov/water

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 - For descriptions of irregularly shaped parcels (where the boundaries do not follow or parallel section lines), or where there are exclusions of land within the total parcel, the applicant must submit a map having a scale of 1:24,000 or larger (e.g. 1:10,000) which accurately depicts the described land.
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ADDITIONAL INFORMATION:

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2) A determination of water right in the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or a well permit to withdraw groundwater from those aquifers that are subject to Designated Basin Rule 5.4, within a Designated Groundwater Basin

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1. APPLICANT INFORMATION			
Name of Applicant Jane Davis Living Trust, Mickey Davis Jr., Tammy Ann Davis, Ricky Davis, Debbie Davis			
Mailing Address 9060 Elbert Road	City Peyton	State Colorado	Zip Code 80831
Telephone Number (include area code) 719-471-1212	Email rwf@cowaterlaw.com		
2. AQUIFER Arapahoe			
<p>3. NOTICE OF APPLICATION – I hereby claim that I have given notice pursuant to section 37-90-137(4)(b.5), C.R.S., or Designated Basin Rule 5.3.2.2, or Designated Basin Rule 5.4.2.2, as applicable, of application for a well permit or determination of water right by registered or certified mail, return receipt requested, no less than ten days prior to the making of the application, to every record owner of the overlying land and to every person who has a lien or mortgage upon, or deed of trust to, the overlying land recorded in the county in which the overlying land is located.</p> <p>The names of the persons that were given notice are listed below:</p> <p>N/A - No other owners or lienholders for any of the parcels</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>			
<p>4. SIGNATURE – Sign or enter name(s) of applicant(s) or authorized agent. The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge.</p> <p>Signature: _____ Date: _____</p> <p>Print name and title: Mickey Davis Jr. (individually and on behalf of Jane Davis Living Trust) , Tammy Davis, Ricky Davis, and Debbie Davis</p>			

INSTRUCTIONS – VERIFICATION OF NOTICE APPLICATION

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OR
2. Applicants that are a political subdivision of the state of Colorado, special districts, municipalities, or quasi-municipal districts that have obtained consent to withdraw the groundwater by deed, assignment, or other written evidence of consent where, at the time of application, the overlying land is within the water service area of such entity.

ITEM 4 - SIGNATURE OF APPLICANT – The form must be signed. If the applicant is a company, corporation, organization, etc., the statement must be signed by responsible person in the company who must indicate his/her title. The application may be signed by the attorney who is acting on behalf of the applicant. An applicant's authorized agent may sign the form if a letter signed by the applicant is submitted with the application authorizing the person to act as agent for the specific purpose of applying for the application.

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1. APPLICANT INFORMATION			
Name of Applicant Jane Davis Living Trust, Mickey Davis Jr., Tammy Ann Davis, Ricky Davis, Debbie Davis			
Mailing Address 9060 Elbert Road		City Peyton	State Colorado
Zip Code 80831		Telephone Number (include area code) 719-471-1212	Email rwf@cowaterlaw.com
2. AQUIFER Denver			
<p>3. NOTICE OF APPLICATION – I hereby claim that I have given notice pursuant to section 37-90-137(4)(b.5), C.R.S., or Designated Basin Rule 5.3.2.2, or Designated Basin Rule 5.4.2.2, as applicable, of application for a well permit or determination of water right by registered or certified mail, return receipt requested, no less than ten days prior to the making of the application, to every record owner of the overlying land and to every person who has a lien or mortgage upon, or deed of trust to, the overlying land recorded in the county in which the overlying land is located.</p> <p>The names of the persons that were given notice are listed below:</p> <p>N/A - No other owners or lienholders for any of the parcels</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>			
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OR
2. Applicants that are a political subdivision of the state of Colorado, special districts, municipalities, or quasi-municipal districts that have obtained consent to withdraw the groundwater by deed, assignment, or other written evidence of consent where, at the time of application, the overlying land is within the water service area of such entity.

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1. APPLICANT INFORMATION			
Name of Applicant Jane Davis Living Trust, Mickey Davis Jr., Tammy Ann Davis, Ricky Davis, Debbie Davis			
Mailing Address 9060 Elbert Road	City Peyton	State Colorado	Zip Code 80831
Telephone Number (include area code) 719-471-1212	Email rwf@cowaterlaw.com		
2. AQUIFER Laramie-Fox Hills			
<p>3. NOTICE OF APPLICATION – I hereby claim that I have given notice pursuant to section 37-90-137(4)(b.5), C.R.S., or Designated Basin Rule 5.3.2.2, or Designated Basin Rule 5.4.2.2, as applicable, of application for a well permit or determination of water right by registered or certified mail, return receipt requested, no less than ten days prior to the making of the application, to every record owner of the overlying land and to every person who has a lien or mortgage upon, or deed of trust to, the overlying land recorded in the county in which the overlying land is located.</p> <p>The names of the persons that were given notice are listed below:</p> <p>N/A - No other owners or lienholders for any of the parcels</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>			
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OR
2. Applicants that are a political subdivision of the state of Colorado, special districts, municipalities, or quasi-municipal districts that have obtained consent to withdraw the groundwater by deed, assignment, or other written evidence of consent where, at the time of application, the overlying land is within the water service area of such entity.

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**APPLICATION FOR A DETERMINATION OF WATER RIGHT
 WITHIN A DESIGNATED GROUNDWATER BASIN**

This application is to be used to apply for a determination of right to groundwater from the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifer underlying land area located within a Designated Groundwater Basin pursuant to Section 37-90-107(7), C.R.S. A separate form must be used for each aquifer. Review the instructions on the reverse of this form. This form must be completed, signed, dated and submitted to the Ground Water Commission with a non-refundable \$60 filing fee. Accepted payment options and form submittal instructions can be found on our website Colorado.gov/water. Type or print in black or blue ink.

1. APPLICANT INFORMATION			
Name of Applicant Jane Davis Living Trust, Mickey Davis Jr., Tammy Ann Davis, Ricky Davis, Debbie Davis			
Mailing Address 9060 Elbert Road	City Peyton	State Colorado	Zip Code 80831
Telephone Number (include area code) 719-471-1212	Email rwf@cowaterlaw.com		
2. AQUIFER: Arapahoe	3. AMOUNT OF OVERLYING LAND: Acres 398.92		
4. OVERLYING LAND OWNERSHIP OR UNDERLYING WATER RIGHT OWNERSHIP DOCUMENTATION – A Nontributary Groundwater Landownership Statement (form GWS-1) or Nontributary Groundwater Consent Claim (form GWS-3A) that includes a description of the overlying land must be submitted as an attachment to the application.			
5. EXISTING WELLS – Are there any wells located on the overlying land? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> If yes: 1) Provide a complete list of all wells located on the overlying land as an attachment to this application; and 2) For all wells producing from the subject aquifer indicate whether the well will continue to operate under its existing well permit or water right, or whether the well is to be re-permitted to withdraw the ground water being allocated by the Determination of Water Right.			
6. TYPE OF USE – Description of intended beneficial uses of the ground water Domestic, commercial, irrigation (indoor and outdoor), structure and equipment washing, fire suppression, and storage and replacement for such uses.			
7. PLACE OF USE – The intended place of use of the ground water shall be considered to be the overlying land area claimed and described in Items 3 and 4 above, unless an attachment provides a legal description of an additional and/or alternate place of use. Place of use is overlying land along with surrounding property as set forth in the place of use attachment			
8. THE APPLICANT MUST PROVIDE evidence that the applicant has given notice of the application by registered or certified mail, return receipt requested, no less than ten days prior to the making of the application, to every record owner of, and to every person who has a lien or mortgage upon, or deed of trust to, the overlying land recorded in the county in which the overlying land is located (see instructions for exceptions). Evidence that the notice has been given is to be provided by submitting a Verification of Notice of Application (form no. GWS-43). See instructions on the reverse of this form, and form no. GWS-043, for exceptions to this requirement.			
9. SIGNATURE – Sign or enter name(s) of applicant(s) or authorized agent. The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge.			
Signature:		Date:	
Print name and title: Mickey Davis Jr. (individually and on behalf of Jane Davis Living Trust) , Tammy Davis, Ricky Davis, and Debbie Davis			
FOR OFFICE USE ONLY			
DIV _____ WD _____ BASIN _____ MD _____ CO _____			

INSTRUCTIONS - APPLICATION FOR DETERMINATION OF WATER RIGHT

ITEM 1 - APPLICANT INFORMATION - Provide the applicant's name, mailing address, telephone number and email where all correspondence will be sent.

ITEM 2 - AQUIFER - Indicate the aquifer that is the subject of this application. A separate application must be submitted for each aquifer.

ITEM 3 – AMOUNT OF OVERLYING LAND – Indicate the total number of acres of the overlying land area being claimed and described in the documents provided in Item #4.

ITEM 4 - OVERLYING LAND OWNERSHIP OR UNDERLYING WATER RIGHT OWNERSHIP DOCUMENTATION – Because ground water from the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers is allocated on the basis of ownership of overlying land, documentation must be provided of either ownership of the overlying land, or if the applicant does not own the overlying land that the applicant has the right to the underlying ground water. Submit form GWS-1 if the overlying land is owned. Submit form GWS-3A if the overlying land is not owned and the applicant owns the right to the underlying ground water.

ITEM 5 - EXISTING WELLS – Provide a complete list, with well permit numbers, of all existing wells located on the overlying land, including large capacity and small capacity wells. The amount of water determined to be allocated may be reduced to account for the amounts of water that have been withdrawn by existing wells, and the amounts of water that may be withdrawn in the future by existing wells that will continue to operate under their existing well permits or water rights.

ITEM 6 - TYPE OF USE - Provide a description of all intended beneficial uses of the subject ground water. Uses must be beneficial, non-speculative, and may not create unreasonable waste. Non-specific descriptions or terms such as “all beneficial uses” are not acceptable. Municipal type use is limited to municipalities or water service districts, or private parties who have a contract with a municipality or water service district. If there is insufficient space, refer to an attachment.

ITEM 7 - PLACE OF USE - If there are places of use in addition to and/or alternate to the overlying land claimed and described in items 3 and 4, provide an attachment stating that fact along with a complete description of such additional and/or alternate place of use and evidence of ability and right to use the water on such additional and/or alternate place of use.

ITEM 8 - THE APPLICANT MUST PROVIDE – Pursuant to Designated Basin Rule 5.3.2.2 the applicant shall provide evidence that the applicant has given notice of the application by registered or certified mail, return receipt requested, no less than ten days prior to the making of the application, to every record owner of, and to every person who has a lien or mortgage upon, or deed of trust to, the overlying land recorded in the county in which the overlying land is located, unless the applicant is a political subdivision of the state of Colorado, special district, municipality, or quasi-municipal district that obtained the right to the underlying water by deed, assignment, or other written evidence of express or implied consent where, at the time of application, the overlying land is within the water service area of such entity. Evidence that the notice has been given is to be provided by submitting a Verification of Notice of Application form (form no. GWS-43), which is available for downloading on the Division of Water Resources website at dwr.colorado.gov

ITEM 9 - SIGNATURE OF APPLICANT – The application must be signed. If the applicant is a company, corporation, organization, etc., the statement must be signed by responsible person in the company who must indicate his/her title. The application may be signed by the attorney who is acting on behalf of the applicant. An applicant's authorized agent may sign the application if a letter signed by the applicant is submitted with the application authorizing the person to act as agent for the specific purpose of applying for the determination of water right.

Additional information:

- **Applications for determinations of rights** within Designated Ground Water Basins are submitted to the Colorado Ground Water Commission and evaluated pursuant to Section 37-90-107(7), CRS, and Rule 5.3 of the Designated Basin Rules, 2 CCR 410-1.
- **An application for a land area that consists of noncontiguous areas** shall only be considered under a single application if it is possible that withdrawal of ground water from beneath the noncontiguous areas could occur in accordance with Rule 5.3.7.2 of the Designated Basin Rules.
- **If the application can be given favorable consideration** by the Commission, the application will be published in a newspaper in the county where the overlying land is located once each week for two successive weeks, followed by a 30-day objection period. The applicant is responsible for, and will be billed for, the actual cost of such publication.
- **If Commission approval of a replacement plan** is required to obtain well permits to withdraw ground water from the aquifer, a replacement plan must be obtained in accordance with Section 37-90-107.5, C.R.S., and Rule 5.6 of the Designated Basin Rules. An application for replacement plan (form GWS-69) may be submitted concurrent with an application for determination of water right or any time after approval of a determination.
- **The Designated Basin Rules** are available for viewing and downloading on the Division of Water Resources website at dwr.colorado.gov
- This form may be reproduced by photocopying or computer means.

IF YOU HAVE ANY QUESTIONS - call the Division of Water Resources - Groundwater Information Desk - at 303-866-3587

**APPLICATION FOR A DETERMINATION OF WATER RIGHT
 WITHIN A DESIGNATED GROUNDWATER BASIN**

This application is to be used to apply for a determination of right to groundwater from the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifer underlying land area located within a Designated Groundwater Basin pursuant to Section 37-90-107(7), C.R.S. A separate form must be used for each aquifer. Review the instructions on the reverse of this form. This form must be completed, signed, dated and submitted to the Ground Water Commission with a non-refundable \$60 filing fee. Accepted payment options and form submittal instructions can be found on our website Colorado.gov/water. Type or print in black or blue ink.

1. APPLICANT INFORMATION			
Name of Applicant Jane Davis Living Trust, Mickey Davis Jr., Tammy Ann Davis, Ricky Davis, Debbie Davis			
Mailing Address 9060 Elbert Road	City Peyton	State Colorado	Zip Code 80831
Telephone Number (include area code) 719-471-1212	Email rwf@cowaterlaw.com		
2. AQUIFER: Denver	3. AMOUNT OF OVERLYING LAND: Acres 398.92		
4. OVERLYING LAND OWNERSHIP OR UNDERLYING WATER RIGHT OWNERSHIP DOCUMENTATION – A Nontributary Groundwater Landownership Statement (form GWS-1) or Nontributary Groundwater Consent Claim (form GWS-3A) that includes a description of the overlying land must be submitted as an attachment to the application.			
5. EXISTING WELLS – Are there any wells located on the overlying land? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> If yes: 1) Provide a complete list of all wells located on the overlying land as an attachment to this application; and 2) For all wells producing from the subject aquifer indicate whether the well will continue to operate under its existing well permit or water right, or whether the well is to be re-permitted to withdraw the ground water being allocated by the Determination of Water Right.			
6. TYPE OF USE – Description of intended beneficial uses of the ground water Domestic, commercial, irrigation (indoor and outdoor), structure and equipment washing, fire suppression, and storage and replacement for such uses.			
7. PLACE OF USE – The intended place of use of the ground water shall be considered to be the overlying land area claimed and described in Items 3 and 4 above, unless an attachment provides a legal description of an additional and/or alternate place of use. Place of use is overlying land along with surrounding property as set forth in the place of use attachment			
8. THE APPLICANT MUST PROVIDE evidence that the applicant has given notice of the application by registered or certified mail, return receipt requested, no less than ten days prior to the making of the application, to every record owner of, and to every person who has a lien or mortgage upon, or deed of trust to, the overlying land recorded in the county in which the overlying land is located (see instructions for exceptions). Evidence that the notice has been given is to be provided by submitting a Verification of Notice of Application (form no. GWS-43). See instructions on the reverse of this form, and form no. GWS-043, for exceptions to this requirement.			
9. SIGNATURE – Sign or enter name(s) of applicant(s) or authorized agent. The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge.			
Signature:		Date:	
Print name and title: Mickey Davis Jr. (individually and on behalf of Jane Davis Living Trust) , Tammy Davis, Ricky Davis, and Debbie Davis			
FOR OFFICE USE ONLY			
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INSTRUCTIONS - APPLICATION FOR DETERMINATION OF WATER RIGHT

ITEM 1 - APPLICANT INFORMATION - Provide the applicant's name, mailing address, telephone number and email where all correspondence will be sent.

ITEM 2 - AQUIFER - Indicate the aquifer that is the subject of this application. A separate application must be submitted for each aquifer.

ITEM 3 – AMOUNT OF OVERLYING LAND – Indicate the total number of acres of the overlying land area being claimed and described in the documents provided in Item #4.

ITEM 4 - OVERLYING LAND OWNERSHIP OR UNDERLYING WATER RIGHT OWNERSHIP DOCUMENTATION – Because ground water from the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers is allocated on the basis of ownership of overlying land, documentation must be provided of either ownership of the overlying land, or if the applicant does not own the overlying land that the applicant has the right to the underlying ground water. Submit form GWS-1 if the overlying land is owned. Submit form GWS-3A if the overlying land is not owned and the applicant owns the right to the underlying ground water.

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ITEM 6 - TYPE OF USE - Provide a description of all intended beneficial uses of the subject ground water. Uses must be beneficial, non-speculative, and may not create unreasonable waste. Non-specific descriptions or terms such as “all beneficial uses” are not acceptable. Municipal type use is limited to municipalities or water service districts, or private parties who have a contract with a municipality or water service district. If there is insufficient space, refer to an attachment.

ITEM 7 - PLACE OF USE - If there are places of use in addition to and/or alternate to the overlying land claimed and described in items 3 and 4, provide an attachment stating that fact along with a complete description of such additional and/or alternate place of use and evidence of ability and right to use the water on such additional and/or alternate place of use.

ITEM 8 - THE APPLICANT MUST PROVIDE – Pursuant to Designated Basin Rule 5.3.2.2 the applicant shall provide evidence that the applicant has given notice of the application by registered or certified mail, return receipt requested, no less than ten days prior to the making of the application, to every record owner of, and to every person who has a lien or mortgage upon, or deed of trust to, the overlying land recorded in the county in which the overlying land is located, unless the applicant is a political subdivision of the state of Colorado, special district, municipality, or quasi-municipal district that obtained the right to the underlying water by deed, assignment, or other written evidence of express or implied consent where, at the time of application, the overlying land is within the water service area of such entity. Evidence that the notice has been given is to be provided by submitting a Verification of Notice of Application form (form no. GWS-43), which is available for downloading on the Division of Water Resources website at dwr.colorado.gov

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Additional information:

- **Applications for determinations of rights** within Designated Ground Water Basins are submitted to the Colorado Ground Water Commission and evaluated pursuant to Section 37-90-107(7), CRS, and Rule 5.3 of the Designated Basin Rules, 2 CCR 410-1.
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**APPLICATION FOR A DETERMINATION OF WATER RIGHT
 WITHIN A DESIGNATED GROUNDWATER BASIN**

This application is to be used to apply for a determination of right to groundwater from the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifer underlying land area located within a Designated Groundwater Basin pursuant to Section 37-90-107(7), C.R.S. A separate form must be used for each aquifer. Review the instructions on the reverse of this form. This form must be completed, signed, dated and submitted to the Ground Water Commission with a non-refundable \$60 filing fee. Accepted payment options and form submittal instructions can be found on our website Colorado.gov/water. Type or print in black or blue ink.

1. APPLICANT INFORMATION			
Name of Applicant Jane Davis Living Trust, Mickey Davis Jr., Tammy Ann Davis, Ricky Davis, Debbie Davis			
Mailing Address 9060 Elbert Road	City Peyton	State Colorado	Zip Code 80831
Telephone Number (include area code) 719-471-1212	Email rwf@cowaterlaw.com		
2. AQUIFER: Larmie-Fox Hills	3. AMOUNT OF OVERLYING LAND: Acres 398.92		
4. OVERLYING LAND OWNERSHIP OR UNDERLYING WATER RIGHT OWNERSHIP DOCUMENTATION – A Nontributary Groundwater Landownership Statement (form GWS-1) or Nontributary Groundwater Consent Claim (form GWS-3A) that includes a description of the overlying land must be submitted as an attachment to the application.			
5. EXISTING WELLS – Are there any wells located on the overlying land? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> If yes: 1) Provide a complete list of all wells located on the overlying land as an attachment to this application; and 2) For all wells producing from the subject aquifer indicate whether the well will continue to operate under its existing well permit or water right, or whether the well is to be re-permitted to withdraw the ground water being allocated by the Determination of Water Right.			
6. TYPE OF USE – Description of intended beneficial uses of the ground water Domestic, commercial, irrigation (indoor and outdoor), structure and equipment washing, fire suppression, and storage and replacement for such uses.			
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INSTRUCTIONS - APPLICATION FOR DETERMINATION OF WATER RIGHT

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Additional information:

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**APPLICATION FOR A REPLACEMENT PLAN
 WITHIN A DESIGNATED GROUND WATER BASIN**

NOTE: This application may only be used to request Ground Water Commission approval of a replacement plan within a Designated Ground Water Basin pursuant to Section 37-90-107.5, C.R.S. Review the instructions on the reverse of this form. This form must be completed, signed, dated and submitted to the Commission with a non-refundable \$100 filing fee. Type or print in black ink.

1. APPLICANT INFORMATION	
Name of Applicant Jane Davis Living Trust, Mickey Davis Jr., Tammy Ann Davis, Ricky Davis, Debbie Davis	
Mailing Address 9060 Elbert Road, Peyton, Colorado 80831	
Telephone Number (include area code) 719-471-1212	Email rwf@cowaterlaw.com
2. AQUIFER AND GENERAL DESCRIPTION OF THE LOCATION OF THE PLAN	
Aquifer in which the plan will operate: _____ Denver _____	
County: _____ El Paso _____ Section _____ 34 and 35 _____ Township _____ 12 _____ N <input checked="" type="checkbox"/> Range(s) _____ 64 _____ W	
3 THE FOLLOWING MUST BE PROVIDED AS ATTACHEMENTS TO THIS APPLICATION	
A. A report containing all information required to be submitted for a replacement plan as required by Designated Basin Rule 5.6.2 (Rule 5.6.2 is provided as an attachment to this form).	
B. If the replacement plan is for the purpose of allowing withdrawals of ground water from the Dawson, Denver, Arapahoe, or Laramie-Fox Hills aquifer pursuant to Section 37-90-107(7), C.R.S. and in accordance with Designated Basin Rule 5.3.6.2.C, indicate the subject aquifer, the approved determination of water right or pending application for such determination, and provide a table showing the first 100 years of annual depletions to affected alluvial aquifer(s) caused by proposed pumping during the first 100 years, and if pumping continues beyond 100 years the annual depletions to affected alluvial aquifer(s) until pumping ceases.	
4. SIGNATURE – Sign or enter name(s) of applicant(s) or authorized agent. The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge.	
Signature _____	Date: _____
Print name and title: Mickey Davis Jr. (individually and on behalf of Jane Davis Living Trust) , Tammy Davis, Ricky Davis, and Debbie Davis	
FOR OFFICE USE ONLY	
DIV _____ CO _____ WD _____ BASIN _____ MD _____	

INSTRUCTIONS - APPLICATION FOR A REPLACEMENT PLAN

ITEM 1 - APPLICANT INFORMATION - Provide the applicant's name, telephone number, mailing address and email where all correspondence will be sent.

ITEM 2 – AQUIFER AND GENERAL DESCRIPTION OF THE LOCATION OF THE PLAN – Identify the aquifer in which the plan will operate and the general location where water will be withdrawn and replacement water provided.

ITEM 3 – REQUIRED ATTACHEMENTS TO THIS APPLICATION

- A. - The report is typically prepared by an engineer and/or attorney.
 - Designated Basin Rule 5.6.1 states the applicant shall have the burden of proving the adequacy of the plan in all respects. Therefore, the applicant and/or the applicant's consultant should review all of Rule 5.6 to ensure the plan considers and addresses all requirements for approval and operation of a replacement plan, and that the plan is adequate to prevent any material injury to water rights of other appropriators and will not cause unreasonable impairment of water quality.
 - The Designated Basin Rules are available on the Ground Water Commission's webpage at: <http://dwr.colorado.gov/services/well-permitting#well-permitting-rules>
- B. Designated Basin Rule 5.3.6.2.C requires that the amount of replacement water shall provide for the depletion of alluvial water for the first 100 years due to all previous pumping and if pumping continues beyond 100 years, shall replace actual impact until pumping ceases.

Be advised:

- Section 37-90-107.5, C.R.S, requires the applicant to submit a summary of the application to the Commission for publication. Pursuant to Designated Basin Rule 5.6.2.N, the written summary of the application may be required to be provided in electronic form to facilitating publication of the application. The applicant will be contacted via email to provide the electronic form of the summary. If the Commission determines the application for replacement plan to be complete, the summary will be published in a newspaper in each county of concern (e.g. each county involving withdrawals, replacement water deliveries, etc.) once each week for two successive weeks, followed by a 30-day objection period. The applicant is responsible for, and will be billed for, the actual cost of such publication.
- Pursuant to Rule 5.6.2.I, if required by Commission Staff the applicant must submit a ground water model evidencing no material injury to vested rights or unreasonable impairment of water quality will result from operation of the plan.

ITEM 4 - SIGNATURE OF APPLICANT – The application must be signed. If the applicant is a company, corporation, organization, etc, the statement must be signed by an official of the company who must indicate his/her position or capacity that grants authorization to sign. An applicant's authorized agent or attorney may sign the application if a letter signed by the applicant is submitted with the application authorizing them to act as agent for the specific purpose of applying for a determination of water right.

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**APPLICATION FOR A REPLACEMENT PLAN -
DESIGNATED BASIN RULE 5.6.2 (page 1)**

5.6.2 Applications for Replacement Plans must contain the following.

- A. Name, mailing address, email address and telephone number of Applicant(s).
- B. Name of designated basin in which plan will be located, and management district, if any, and aquifer in which the plan will operate.
- C. Information regarding other water rights diverted from the structures involved in the plan.
- D. Maps (either USGS topographic base map or other base map as appropriate) showing the locations of all structures involved in the Replacement Plan, including all recharge wells, recharge ponds, and other structures involved in recharging Replacement Source Water, all structures involved in delivering the Replacement Source Water to the project location, and all structures involved in delivering the new diversions to the end use.
- E. A detailed description of the plan and its operation, including the following.
 1. A general description of the Replacement Plan project location.
 2. The purpose of the Replacement Plan.
 3. The detailed description of the physical and legal sources of all proposed Replacement Source Water. Identify the amount of water available for replacement use from each source and provide copies of all decrees, permits, findings and orders and determinations issued by the Ground Water Commission and Courts.
 4. The description of how the Replacement Source Water is delivered to the Replacement Plan project for recharge.
 5. The method, location, timing, and amount of Replacement Source Water being recharged into the aquifer including without limitation identification of the structures that will recharge the Replacement Source Water, such as by recharge through a well or through a pond.
 6. Based on Applicant's proposed Replacement Plan operations, the maximum volume of water proposed to be introduced into the aquifer in any day, month and year, as applicable.
 7. The detailed description of the method, location, timing and amount of proposed new diversions and depletions caused by the new appropriations of designated basin water, including without limitation identification of the structures that will divert, legal descriptions of their locations, and identification and copies of all decrees, permits, findings and orders and determinations issued by the Commission and Courts involving the structures.
 8. The proposed use of the new diversions.
 9. The proposed quantity and quality monitoring plan.
 10. The approximate cost of the Replacement Plan project and the approximate date construction will begin and end.

**APPLICATION FOR A REPLACEMENT PLAN -
DESIGNATED BASIN RULE 5.6.2 (page 2)**

- F. Evidence that the plan will not injure other water rights.
- G. Evidence that the plan does not cause unreasonable impairment of water quality. Such evidence shall include water quality for the Replacement Source Water and the water quality of the receiving aquifer unless 5.6.1.B.1.a applies.
- H. Proposed terms and conditions required to prevent injury to other water rights, and prevent unreasonable impairment of water quality.
- I. If required by Commission Staff, the Applicant shall submit a ground water model evidencing no material injury to vested rights or unreasonable impairment of water quality will result from operation of the plan.
- J. A detailed description of the proposed use of the new appropriation of designated ground water which would result under the plan, including where the use will occur.
- K. Name(s) and address(es) of owner(s) or reputed owner(s) of the land upon which structures that withdraw water and recharge replacement water involved in the plan are located. The Applicant must notify these owners that the Applicant is applying for this Replacement Plan, and provide proof to the Commission that the Applicant has done so, no later than 14 days after filing the application. Applicant may rely on the records maintained by the applicable County, including records available online, to determine the owner(s) or reputed owner(s), unless Applicant has actual knowledge or information of others not identified in said records.
- L. If proposed Replacement Source Water is not legally available for use in the Replacement Plan at the time the application is submitted, the Applicant must identify any applications it has or is submitting or actions it has or is taking to make the source legally available.
- M. Applicant must provide information demonstrating the Applicant's right to use all proposed Replacement Source Water and that the Replacement Source Water will not be used by any other person.
- N. A summary of the application for publication. If required by the Commission, the summary must be submitted in an electronic form that can be provided to the newspaper in which publication occurs.

EXHIBIT A

Davis Ranch
Replacement Plan



PROPERTY DESCRIPTION

TWO PARCELS OF LAND BEING A PORTION OF THE SOUTHEAST QUARTER OF SECTION 33 AND A PORTION OF SECTION 34, BOTH IN TOWNSHIP 12 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BASIS OF BEARINGS: THE SOUTH LINE OF SECTION 34, TOWNSHIP 12 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE WEST END BY A 3.25" ALUMINUM CAP STAMPED "LS 17496 1992" IN A RANGE BOX AND AT THE EAST END BY A 3.25" ALUMINUM CAP STAMPED "LS 17496 1992" IN A RANGE BOX, ASSUMED TO BEAR S89°59'23"E.

PARCEL 1:

BEGINNING AT THE SOUTHEAST CORNER OF SECTION 34, TOWNSHIP 12 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN;

THENCE ON THE SOUTH LINE OF SAID SECTION 34, N89°59'23"W A DISTANCE OF 2,110.20 FEET;

THENCE DEPARTING SAID SOUTH LINE, N00°26'09"W A DISTANCE OF 1,316.09 FEET;

THENCE S89°57'13"W A DISTANCE OF 528.02 FEET;

THENCE S89°56'16"W A DISTANCE OF 2,615.89 FEET, TO THE EASTERLY RIGHT-OF-WAY LINE OF STAPLETON DRIVE AS DESCRIBED IN THE DOCUMENT RECORDED UNDER RECEPTION NO. 215041135 AND 215041136 IN THE RECORDS OF THE EL PASO COUNTY CLERK AND RECORDER;

THENCE ON SAID EASTERLY RIGHT-OF-WAY LINE, ON THE ARC OF A CURVE TO THE LEFT WHOSE CENTER BEARS S84°58'34"W, HAVING A RADIUS OF 1,555.00 FEET, A CENTRAL ANGLE OF 25°36'01" AND AN ARC LENGTH OF 694.79 FEET, TO A POINT OF NON-TANGENT;

THENCE DEPARTING SAID EASTERLY RIGHT-OF-WAY LINE, S89°58'45"E A DISTANCE OF 194.82 FEET;

THENCE N89°51'55"E A DISTANCE OF 1,969.50 FEET;

THENCE N00°23'27"W A DISTANCE OF 658.47 FEET;

THENCE N00°28'50"W A DISTANCE OF 1,312.87 FEET;

THENCE N00°30'33"W A DISTANCE OF 755.55 FEET;

THENCE N89°37'43"E A DISTANCE OF 657.85 FEET;

THENCE N00°25'03"W A DISTANCE OF 165.39 FEET;

THENCE N89°37'42"E A DISTANCE OF 1,316.67 FEET;

THENCE N00°29'40"W A DISTANCE OF 386.90 FEET, TO THE NORTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 34;

THENCE ON SAID NORTH LINE, N89°39'41"E A DISTANCE OF 1,318.81 FEET, TO THE NORTHEAST CORNER OF SAID SECTION 34

THENCE ON THE EAST LINE OF SAID NORTHEAST QUARTER, S00°29'00"E A DISTANCE OF 2,636.78 FEET, TO THE EAST QUARTER CORNER OF SAID SECTION 34;

THENCE ON THE EAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 34, S00°28'37"E A DISTANCE OF 2,636.75 FEET, TO THE POINT OF BEGINNING.

CONTAINING A CALCULATED AREA OF 16,240,833 SQUARE FEET OR 372.8382 ACRES.

PARCEL 2:

COMMENCING AT THE SOUTHEAST CORNER OF SECTION 33, TOWNSHIP 12 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN;

THENCE N56°29'00"W A DISTANCE OF 90.43 FEET, TO THE NORTHERLY RIGHT-OF-WAY LINE OF JUDGE ORR ROAD AS DESCRIBED IN THE DOCUMENT RECORDED UNDER RECEPTION NO. 215041136 IN THE RECORDS OF THE EL PASO COUNTY CLERK AND RECORDER, AND THE POINT OF BEGINNING;

THENCE ON SAID NORTHERLY RIGHT-OF-WAY LINE, S89°56'57"W A DISTANCE OF 582.45 FEET, TO A POINT ON THE WEST LINE OF THE EAST HALF OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 33;

THENCE ON SAID WEST LINE, N00°12'57"W A DISTANCE OF 1,262.86 FEET;

THENCE ON THE WEST LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 33, N00°12'57"W A DISTANCE OF 656.08 FEET, TO A POINT ON THE NORTH LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 33;

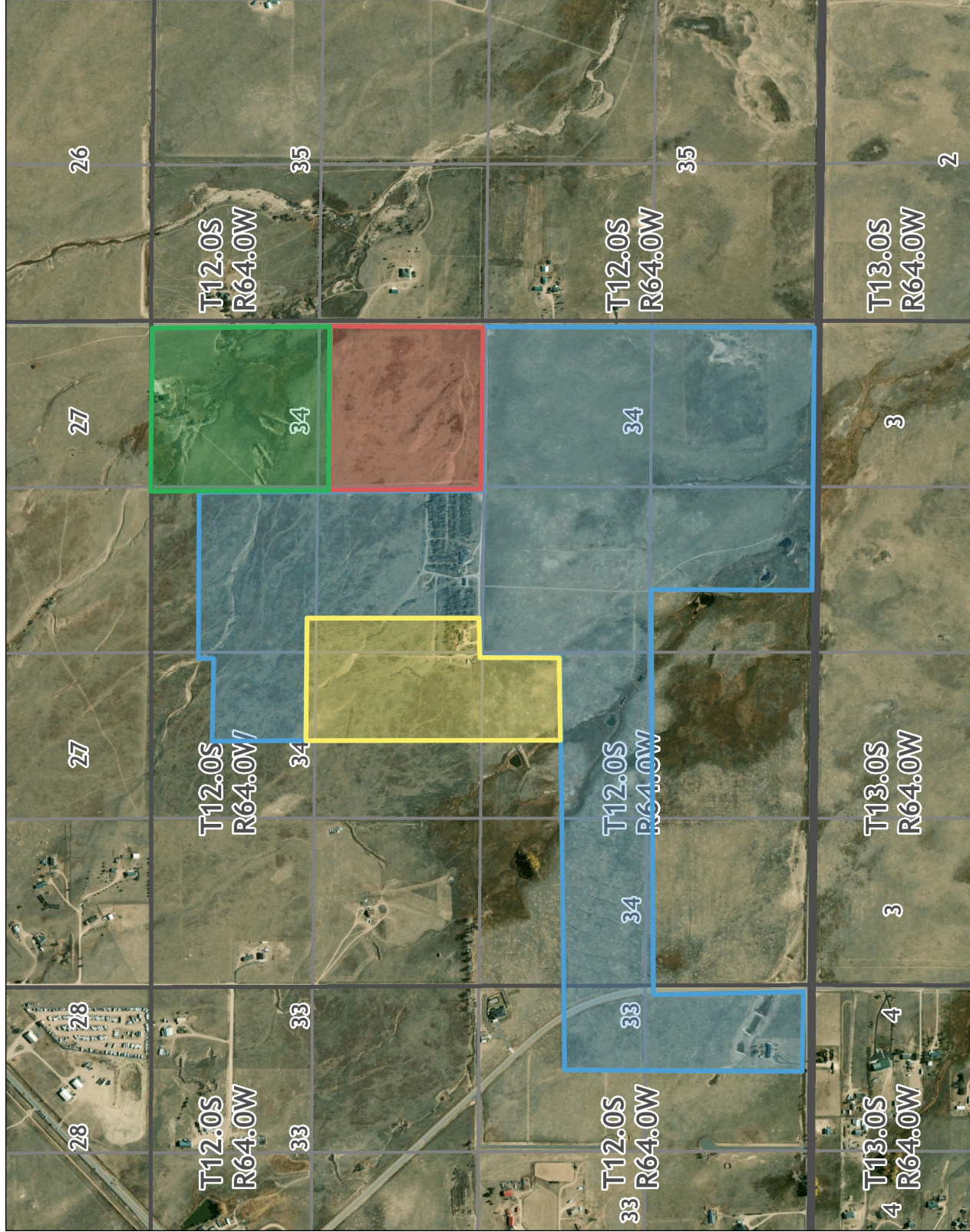
THENCE ON SAID NORTH LINE, S89°58'45"E A DISTANCE OF 347.63 FEET, TO A POINT ON THE WESTERLY RIGHT-OF-WAY LINE OF STAPLETON ROAD AS DESCRIBED IN THE DOCUMENT RECORDED UNDER RECEPTION NO. 215041136 AND A POINT OF NON-TANGENT CURVE;

THENCE ON SAID WESTERLY RIGHT-OF-WAY LINE, THE FOLLOWING SEVEN (7) COURSES:

1. ON THE ARC OF A CURVE TO THE RIGHT WHOSE CENTER BEARS S57°00'47"W, HAVING A RADIUS OF 1,455.00 FEET, A CENTRAL ANGLE OF 32°50'36" AND AN ARC LENGTH OF 834.04 FEET, TO A POINT OF TANGENT;
2. S00°08'36"E A DISTANCE OF 421.95 FEET, TO A POINT OF CURVE;
3. ON THE ARC OF A CURVE TO THE LEFT, HAVING A RADIUS OF 1,555.00 FEET, A CENTRAL ANGLE OF 05°24'11" AND AN ARC LENGTH OF 146.64 FEET, TO A POINT OF TANGENT;
4. S05°32'47"E A DISTANCE OF 200.32 FEET, TO A POINT OF CURVE;
5. ON THE ARC OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 1,455.00 FEET, A CENTRAL ANGLE OF 05°12'20" AND AN ARC LENGTH OF 132.19 FEET, TO A POINT OF TANGENT;
6. S00°20'27"E A DISTANCE OF 201.65 FEET;
7. S44°45'51"W A DISTANCE OF 40.02 FEET, TO THE POINT OF BEGINNING.

CONTAINING A CALCULATED AREA OF 1,066,496 SQUARE FEET OR 24.4834 ACRES.

EXHIBIT B - Aerial of Davis Ranch Ownership



Legend

- Township: [Symbol]
- Section: [Symbol]
- Q40: [Symbol]
- County: [Symbol]
- Mickey and Tammy Davis: [Yellow Circle]
- Davis Jane Living Trust: [Blue Circle]
- Ricky and Debbie Davis: [Red Circle]
- Ricky Davis: [Green Circle]

Location

Notes



2,339 0 1,169 2,339 Feet

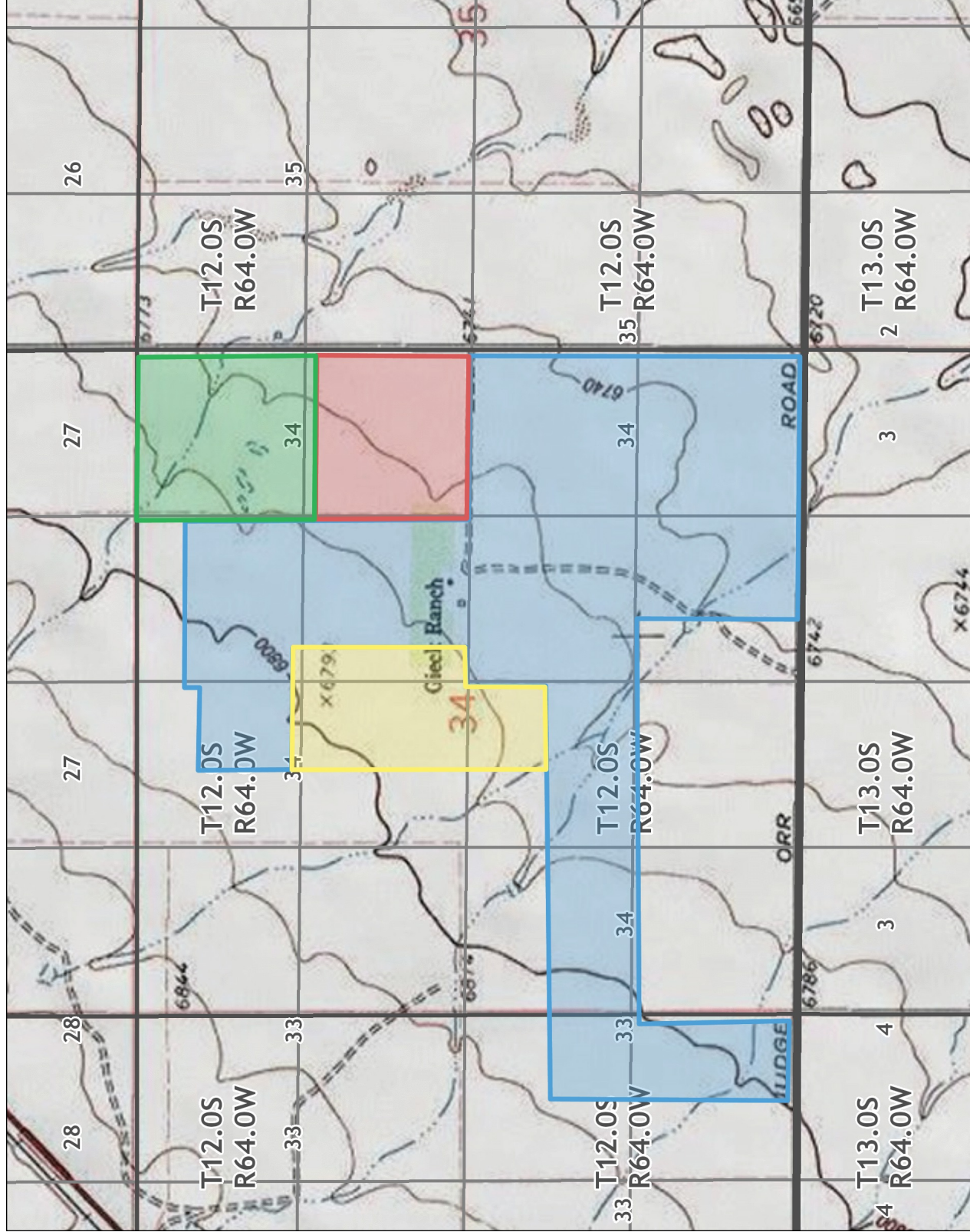


1: 14,032

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Date Prepared: 4/7/2023 10:06:05 AM

EXHIBIT B - Topo of Davis Ranch Ownership



Legend

- Township
- Section
- Q40
- County
- Mickey and Tammy Davis
- Jane Davis Living Trust
- Rick and Debbie Davis
- Ricky Davis

Location

Notes



2,339 Feet

1,169

0

2,339

1: 14,032

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Date Prepared: 4/7/2023 10:08:07 AM

EXHIBIT D

Davis Ranch Replacement Plan

Estimated Groundwater Volumes for Davis Ranch

Location: Section 34, Township 12 S, Range 64 W
 Parcel Nos.: 4200000377, 4233000031, 4200000406, 4200000379, 4200000354, 4200000354
 Address: 9050 Elbert Road, Peyton, CO, 80831
 Well or Case Number: 328577-F Denver
 Elevation: 6,786 Feet
 Surface Area: 398.91 Acres
 Number of residential lots: 92
 Number of residential wells: 92
 Number of commercial lots: 2
 Number of commercial wells: 2
 Designated Basin: Upper Black Squirrel
 Management District: Upper Black Squirrel Management District

Aquifer	Surface Area (Acres)	Net Sand (ft)	Avg. Specific Yield (%)	Total Approp. Volume (AF)	100-year Ann. Approp. (AF/yr)	300-year Ann. Approp. (AF/yr)
Upper Dawson (NNT)	398.91	N/A	N/A	N/A	N/A	N/A
Denver (NNT)	398.91	199.90	17.00%	13556.16	135.56	45.19
Upper Arapahoe (NT)	398.91	217.50	17.00%	14749.70	147.50	49.17
Laramie-Fox Hills (NT)	398.91	208.70	15.00%	12487.88	124.88	41.63

Appendix B: Estimated Annual Water Use and Pumping Rates

Use	Constant	Unit
RESIDENTIAL DEMAND		
For residential 92 lots		
Domestic Indoor	0.260	AF/year
Irrigation ¹	0.161	AF/year
Stock Watering ²	0.022	AF/year
Total Well Demand	0.443	AF/year/lot

Note 1: Assume 2,850 ft² at 0.0566 AF/1,000 ft²
 Note 2: Assume 2 horses at 0.011 AF/horse/year

Use	Constant	Unit
COMMERCIAL DEMAND		
For 2 Commercial Lots - Total		
Commercial Use ¹	4.230	AF/year
Irrigation ²	0.170	AF/year
Total Well Demand	4.400	AF/year/lot

Note 1: Assume 0.10 gpd/ft² (15% of 5.78 acres = 37,766.52 ft²)
 Note 1: Assume 3,000 ft² at 0.0566 AF/1,000 ft²

Total Demand: 45.185 AF/year

Estimated Return Flows through Septic (domestic use only)

Percent of domestic: Indoor 90.00%
 Volume return 25.335 AF/year - Denver

Table 3: NNT Formation in 4% area - Maximum Depletions - Section 34, Township 12 S, Range 64 W Designated Basin for use inside Upper Black Squirrel Basin

Not-Nontributary Aquifers - Upper Black Squirrel Basin - 9050 Elbert Road, Peyton, CO, 80831				
Pumping Interval	Designated Basin - Maximum Total Depletions			Year of Max. Depletion
	Formation	Total Depl. (AF/yr)	Total Depl. (% of Pumping)	
300-year pumping period (All Designated Basins)	Denver (NNT)	1.8074	4.000%	300
300-year pumping period (Upper Black Squirrel Only)	Denver (NNT)	1.8074	4.000%	300

SUMMARY OF REPLACEMENT PLAN

Davis Ranch

Applicants seek a replacement plan for use of the not-nontributary Denver aquifer underlying a tract of land in El Paso County containing approximately 398.91 acres (“Applicants’ Property”), specifically described in the attached **Exhibit A**. Applicants’ Property is located within the Upper Black Squirrel Designated Ground Water Basin and the Upper Black Squirrel Creek Ground Water Management District. Applicants’ Property overlies Denver Basin groundwater in the Denver, Arapahoe, and Laramie-Fox Hills aquifers. Applicants property breakdown is shown on attached **Exhibit B**.

Applicants seek to construct up to ninety-two (92) residences on Applicants’ Property as part of a subdivision process, along with approximately 5.78 acres designated for commercial use, which is shown on the attached **Exhibit C** sketch plan. Applicant proposes for each individual residential lot to have its own Denver well with each pumping a maximum of 0.443 acre-feet of water annually per lot for a combined total of 40.756 acre-feet annually of pumping for residential uses, including, but not limited to domestic use within single family dwellings and irrigation for both landscape and limited crops (indoor and outdoor). 0.26 acre-feet per lot is presumed as the in-house usage amount with the remaining 0.183 acre-feet available for other uses, including irrigation and stock watering. All residential lots will have non-evaporative septic systems for waste disposal. 4.4 acre-feet of Denver water will be utilized for commercial purposes on 5.78 acres of the Applicants’ Property, with 4.23 acre-feet presumed to be used inside businesses with the remaining 0.17 for irrigation purposes. Such commercial use will be mixed use, including, but not limited to, retail, professional offices, and restaurants. All commercial facilities will discharge septic return flows to onsite non-evaporative septic systems in the same manner as the residential development.

Applicant’s consultants have determined that maximum annual depletions to be replaced from the pumping of the Denver aquifer in this location amount to the statutorily determined 4% of annual withdrawals. As such, the pumping of 48.185 acre-feet annually from the Denver aquifer results in a maximum depletion to be replaced of 1.8074 acre-feet. Replacements shall be made by means of non-evaporative septic return flows in the amount of 90% of diversions to indoor domestic and commercial uses. The total of 28.15 acre-feet is projected to be used within houses or businesses based on the estimate of 0.26 acre-feet per residential lot will be used in-house and 4.23 acre-feet will be used within businesses. Based on these amounts, the resulting septic return flows, being 90% of inside water use, amounts to 25.335 acre-feet annually for residences and commercial uses combined. Annual replacement of 25.335 acre-feet is more than sufficient to meet

the obligation of replacing 4% of pumping annually, or 1.8074 acre-feet. See attached **Exhibit D** spreadsheet of use.

The use of non-evaporative septic system return flows complies with Rule 5.6.1.B.1.b as an onsite wastewater treatment system and will not cause any unreasonable impairment or cause injury to others' water rights. The water quality in the Denver aquifer in this area is well established as being suitable for potable use with only in-house filtration for mineral deposits. There is a general acceptance of suitable and sufficient water quality for residences utilizing Denver Basin groundwater supplies. The well(s) and septic system(s) to be built will meet or exceed all regulatory requirements, including El Paso County permitting requirements. All water pumped from the well will be metered to ensure no water beyond that permitted is pumped, and Applicants will provide accounting of the pumping and use of such water as required by the Commission.

Applicants' project is for the platting of 92 residential lots and the creation of 5.78 acres of commercial development. The proposed cost of the Replacement Plan project amounts to \$4,414,000.00 with construction estimated to begin in the fall of 2023 with completion planned for fall of 2024.

Total annual replacement for the pumping of 45.185 annual acre-feet amounts to 25.335 acre-feet, or 56% of pumping, exceeding the maximum total depletions to be replaced of 1.8074 acre-feet, or 4% of pumping, over the 300-year life of the replacement plan.

Appendix D

***El Paso County Land Development Code
Water Quality Requirements and Results
Dawson Confined Aquifer
For Davis Ranch
Sampled April 3, 2023***

Compound	Units	MCL/SMCL	Result
Antimony	mg/l	0.006	0
Arsenic	mg/l	0.01	0
Barium	mg/l	2	0.0054
Beryllium	mg/l	0.004	0
Cadmium	mg/l	0.005	0
Chromium	mg/l	0.1	0
Cyanide (Total)	mg/l	0	0
Fluoride	mg/l	4	0.82
Mercury	mg/l	0.002	0
Nitrate as N	mg/l	10	0
Nitrite as N	mg/l	1	0
Selenium	mg/l	0.05	0
Thallium	mg/l	0.002	0
Aluminum	mg/l	0.05 - 0.2	0.052
Chloride	mg/l	250	3.8
Langelier Index			-1.83
Iron	mg/l	0.3	0.018
Manganese	mg/l	0.05	0.0206
pH		6.5 - 8.5	7.48
Silver	mg/l	0.1	0
Sulfate	mg/l	250	22.7
TDS	mg/l	500	197
Zinc	mg/l	5	0.008
Gross Alpha/Beta	pCi/l	15	2.3
Combined Radium 226+228	pCi/l	5	1
E.Coli	#/100 ml	Absent	Absent
Total Coliform	#/100 ml	Absent	Absent

Green = Result below MCL - Acceptable Water Quality

Red = Result to be evaluated

Analytical Results

TASK NO: 230404091

Report To: Stephanie Schwenke
Company: RESPEC Company, LLC
 5540 Tech Center Drive
 Suite 100
 Colorado Springs CO 80919

Bill To: Stephanie Schwenke
Company: RESPEC Company, LLC
 5540 Tech Center Drive
 Suite 100
 Colorado Springs CO 80919

Task No.: 230404091
Client PO:
Client Project: Davis Subdivision

Date Received: 4/4/23
Date Reported: 5/22/23
Matrix: Water - Drinking

Lab Number	Customer Sample ID	Sample Date/Time	Test	Result	Method	Date Analyzed
230404091-01A	Davis Well #1	4/3/23 1:15 PM	Total Coliform	Absent	SM 9223	4/5/23
			E-Coli	Absent	SM 9223	4/5/23

Abbreviations/ References:

Absent = Coliform Not Detected
 Present = Coliform Detected - Chlorination Recommended
 Date Analyzed = Date Test Completed
 SM = "Standard Methods for the Examination of Water and Wastewater"; APHA; 19th Edition; 1995



DATA APPROVED FOR RELEASE BY

Analytical Results

TASK NO: 230404091

Report To: Stephanie Schwenke
Company: RESPEC Company, LLC
5540 Tech Center Drive
Suite 100
Colorado Springs CO 80919

Bill To: Stephanie Schwenke
Company: RESPEC Company, LLC
5540 Tech Center Drive
Suite 100
Colorado Springs CO 80919

Task No.: 230404091
Client PO:
Client Project: Davis Subdivision

Date Received: 4/4/23
Date Reported: 5/22/23
Matrix: Water - Drinking

Customer Sample ID Davis Well #1
Sample Date/Time: 4/3/23 1:15 PM
Lab Number: 230404091-01

Test	Result	Method	RL	Date Analyzed	QC Batch ID	Analyzed By
Bicarbonate	106.4 mg/L as CaCO3	SM 2320-B	0.2 mg/L as CaCO3	4/10/23	-	TAB
Calcium as CaCO3	2.8 mg/L	EPA 200.7	0.1 mg/L	4/6/23	-	MBN
Carbonate	ND	SM 2320-B	0.2 mg/L as CaCO3	4/10/23	-	TAB
Hydroxide	ND	SM 2320-B	0.2 mg/L as CaCO3	4/10/23	-	TAB
Langelier Index	-1.83 units	SM 2330-B	units	4/11/23	-	SAN
pH	7.48 units	SM 4500-H-B	0.01 units	4/4/23	-	TAB
Temperature	20 °C	SM 4500-H-B	1 °C	4/4/23	-	TAB
Total Alkalinity	106.4 mg/L as CaCO3	SM 2320-B	4.0 mg/L as CaCO3	4/10/23	QC64143	TAB
Total Dissolved Solids	197 mg/L	SM 2540-C	5 mg/L	4/6/23	QC64035	ISG

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) Spike amount low relative to the sample amount.
ND = Not Detected at Reporting Limit.

**Analytical QC
Summary**

TASK NO: 230404091

Report To: Stephanie Schwenke
Company: RESPEC Company, LLC

Receive Date: 4/4/23
Project Name: Davis Subdivision

Test	QC Batch ID	QC Type	Result	Method	Prep Date
Total Alkalinity	QC64143	Blank	ND	SM 2320-B	4/10/23
Total Dissolved Solids	QC64035	Blank	ND	SM 2540-C	4/5/23

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Total Alkalinity	QC64143	Duplicate	0 - 20	-	0.7	SM 2320-B
		LCS	90 - 110	101.9	-	
		LCS-2	90 - 110	108.0	-	
Total Dissolved Solids	QC64035	Duplicate	0 - 20	-	10.5	SM 2540-C
		LCS	85 - 115	100.7	-	

All analyses were performed in accordance with approved methods under the latest revision to 40 CFR Part 136 unless otherwise identified. Based on my inquiry of the person or persons directly responsible for analyzing the wastewater samples and generating the report (s), the analyses, report, and information submitted are, to the best of my knowledge and belief, true, accurate, and complete.



DATA APPROVED FOR RELEASE BY

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
 mg/L = Milligrams Per Liter or PPM
 ug/L = Micrograms Per Liter or PPB
 mpn/100 mls = Most Probable Number Index/ 100 mls
 Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
 (s) Spike amount low relative to the sample amount.
 ND = Not Detected at Reporting Limit.



Hazen Research, Inc.
4601 Indiana Street
Golden, CO 80403 USA
Tel: (303) 279-4501
Fax: (303) 278-1528

Lab Control ID: 23H01589
Received: Apr 07, 2023
Reported: May 18, 2023
Purchase Order No.
None Received

Customer ID: 20040H
Account ID: Z01034

Stuart Nielson
Colorado Analytical Laboratories, Inc.
10411 Heinz Way
Commerce City, CO 80640

ANALYTICAL REPORT

*Report may only be copied in its entirety.
Results reported herein relate only to discrete samples
submitted by the client. Hazen Research, Inc. does not warrant
that the results are representative of anything other than the
samples that were received in the laboratory*

By: Michelle Stringer for
Roxanne Sullivan
Analytical Laboratories Director



Hazen Research, Inc.
 4601 Indiana Street
 Golden, CO 80403 USA
 Tel: (303) 279-4501
 Fax: (303) 278-1528

Lab Control ID: 23H01589
 Received: Apr 07, 2023
 Reported: May 18, 2023
 Purchase Order No.
 None Received

Customer ID: 20040H
 Account ID: Z01034
ANALYTICAL REPORT

Stuart Nielson
Colorado Analytical Laboratories, Inc.

Lab Sample ID			23H01589-001					
Customer Sample ID			230404091-01D - Davis Subdivision - Davis Well #1 sampled on 04/03/23 @ 1315					
Parameter	Units	Code	Precision*		Detection	Method	Analysis	
			Result	+/-	Limit		Date / Time	Analyst
Gross Alpha	pCi/L	T	2.3	2.0	0.1	SM 7110 B	4/27/23 @ 0839	KT
Gross Beta	pCi/L	T	<2.9	2.2	2.9	SM 7110 B	4/27/23 @ 0839	KT
Radium-226	pCi/L	T	NR	-	-	SM 7500-Ra B	-	-
Radium-228	pCi/L	T	NR	-	-	EPA pg.19	-	-

NR - Not Requested - Analysis not requested on this sample.

Certification ID's: CO/EPA CO00008

*Variability of the radioactive decay process (counting error) at the 95% confidence level, 1.96 sigma.

Codes: (T) = Total (D) = Dissolved (S) = Suspended (R) = Replicate Sample (AR) = As Received < = Less Than



Hazen Research, Inc.
 4601 Indiana Street
 Golden, CO 80403 USA
 Tel: (303) 279-4501
 Fax: (303) 278-1528

Lab Control ID: 23H01589
 Received: Apr 07, 2023
 Reported: May 18, 2023
 Purchase Order No.
 None Received

Customer ID: 20040H
 Account ID: Z01034

ANALYTICAL REPORT

Stuart Nielson
 Colorado Analytical Laboratories, Inc.

Lab Sample ID		23H01589-002						
Customer Sample ID		230404091-01E - Davis Subdivision - Davis Well #1 sampled on 04/03/23 @ 1315						
Parameter	Units	Code	Result	Precision* +/-	Detection Limit	Method	Analysis Date / Time	Analyst
Gross Alpha	pCi/L	T	NR	-	-	SM 7110 B	-	-
Gross Beta	pCi/L	T	NR	-	-	SM 7110 B	-	-
Radium-226	pCi/L	T	0.2	0.2	0.2	SM 7500-Ra B	5/15/23 @ 1000	JR
Radium-228	pCi/L	T	0.8	0.9	0.2	EPA pg.19	4/26/23 @ 1406	JR

NR - Not Requested - Analysis not requested on this sample.

Certification ID's: CO/EPA CO00008

*Variability of the radioactive decay process (counting error) at the 95% confidence level, 1.96 sigma.

Codes: (T) = Total (D) = Dissolved (S) = Suspended (R) = Replicate Sample (AR) = As Received < = Less Than

**HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY**

Date: 04/26/2023

Batch QC Summary Form

Analyte: Gross Alpha

Control Standard/LFB: ID: C11a-003 pCi/mL: 57.4 (use 1 diluted)

Spike Solution: ID: C11a-003 pCi/mL: 57.4 (use 1 mL)

Spike Recovery Calculation: Sample: Tap*

$$\text{Calculation: } \frac{(48.3) (1.000) - (0.0) (0.200)}{57.4} \times 100 = 84\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 30 %	X		
Spike Recovery	70 - 130 %	x		
Blank	< or = 3 x Uncertainty	X		
Duplicate 1	95% confidence interval overlap	X		
Duplicate 2 *	95% confidence interval overlap	X		

* Required for batch size greater than 10 samples.

Conclusions:

 x Batch QC Passes**
 Batch QC Fails
 Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluated in this report.

Batch Listing by Lab Control Number:

<u>23H01568</u>	<u>23H01594</u>
<u>23H01569</u>	<u>23H01595</u>
<u>23H01570</u>	<u>23H01596</u>
<u>23H01572</u>	<u>23H01597</u>
<u>23H01576</u>	_____
<u>23H01579</u>	_____
<u>23H01589</u>	_____
<u>23H01590</u>	_____
<u>23H01591</u>	_____

Evaluator:

Michelle Stringer _____

05/01/2023

Date

Batch QC Summary Form

Analyte: Gross Beta

Control Standard/LFB: ID: C11a-003 pCi/mL: 44 (use 1 diluted)

Spike Solution: ID: C11a-003 pCi/mL: 44 (use 1 mL)

Spike Recovery Calculation: Sample: Tap*

$$\text{Calculation: } \frac{(38.4) (1.000) - (0.0) (0.200)}{44} \times 100 = 87\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 20 %	x		
Spike Recovery	80 - 120 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap	x		

* Required for batch size greater than 10 samples.

Conclusions:

 x Batch QC Passes**
 Batch QC Fails
 Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluated in this report.

Batch Listing by Lab Control Number:

<u>23H01568</u>	<u>23H01594</u>
<u>23H01569</u>	<u>23H01595</u>
<u>23H01570</u>	<u>23H01596</u>
<u>23H01572</u>	<u>23H01597</u>
<u>23H01576</u>	_____
<u>23H01579</u>	_____
<u>23H01589</u>	_____
<u>23H01590</u>	_____
<u>23H01591</u>	_____

Evaluator:

Michelle Stringer _____

05/01/2023

Date

**HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY**

Date: 05/15/2023

Batch QC Summary Form

Analyte: Radium-226

Control Standard/LFB: ID: C1-002 pCi/mL: 23 (use 2 diluted)

Spike Solution: ID: C1-002 pCi/mL: 23 (use 2 mL)

Spike Recovery Calculation: Sample: 23H01608-2d

$$\text{Calculation: } \frac{(48.7) (1.000) - (1.7) (1.000)}{46} \times 100 = 102\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 20 %	x		
Spike Recovery	80 - 120 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap			x

* Required for batch size greater than 10 samples.

Conclusions:

 x Batch QC Passes**
 Batch QC Fails
 Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluated in this report.

Batch Listing by Lab Control Number:

23H01589 _____
23H01590 _____
23H01593 _____
23H01594 _____
23H01595 _____
23H01596 _____
23H01607 _____
23H01608 _____

Evaluator:

Michelle Stringer _____

_____ 05/17/2023 _____
 Date

**HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY**

Date: 04/26/2023

Batch QC Summary Form

Analyte: Radium-228

Control Standard/LFB: ID: C6-005 pCi/mL: 14.5 (use 5 diluted)

Spike Solution: ID: C6-005 pCi/mL: 14.5 (use 5 mL)

Spike Recovery Calculation: Sample: 23H01538-4b

$$\text{Calculation: } \frac{(75.3) (1.000) - (1.0) (1.000)}{72.5} \times 100 = 102\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 20 %	x		
Spike Recovery	80 - 120 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap			x

* Required for batch size greater than 10 samples.

Conclusions:

 x Batch QC Passes**
 Batch QC Fails
 Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluated in this report.

Batch Listing by Lab Control Number:

23H01538 _____
23H01572 _____
23H01576 _____
23H01573 _____
23H01589 _____
23H01583 _____

Evaluator:

Michelle Stringer _____

05/04/2023

Date

23H01589

Ship To: Hazen Research
Preserved: Y (N)
HNO3 Lot #: N/A
Date Preserved: N/A



Report To Information Company Name: Colorado Analytical Laboratory Report To: Stuart Nielson E-Mail: stuartnielson@coloradolab.com	Bill To Information (if different from report to)	Project Name Davis Subdivision
Address: 10411 Heinz Way Commerce City, CO 80640 Phone: 303-669-2313	Address:	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Submit Data to CDPHE: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	CAL TASK 230404091 EMN	

Tests Requested

Sample Date/Time	Sample ID	Matrix	Container Type
4/3/23 1:15 PM	230404091-01D - Davis Well #1	Water - Drinking	1L - Unpreserved
4/3/23 1:15 PM	230404091-01E - Davis Well #1	Water - Drinking	4 - 1L - Unpreserved

Radium 228 (Sub)
Gross Alpha/Beta (Sub)
Radium 226 (Sub)

Container Type
1L - Unpreserved
4 - 1L - Unpreserved

Comment:

Preservation N/A @ 10:00 4/8/23
Preservation N/A @ 15:15 4/7/23
Received by: (Signature) Lee Pridelle 4/7/23 15:00
Date: Time: 4/7/23 15:00

Relinquished by: (Signature) Adams	Date: Time: 4/5/23 8:30	Relinquished by: (Signature)	Date: Time:
Received by: (Signature) Lee Pridelle	Date: Time: 4/7/23 15:00	Received by: (Signature)	Date: Time:

Analytical Results

TASK NO: 230404091

Report To: Stephanie Schwenke
Company: RESPEC Company, LLC
5540 Tech Center Drive
Suite 100
Colorado Springs CO 80919

Bill To: Stephanie Schwenke
Company: RESPEC Company, LLC
5540 Tech Center Drive
Suite 100
Colorado Springs CO 80919

Task No.: 230404091
Client PO:
Client Project: Davis Subdivision

Date Received: 4/4/23
Date Reported: 5/22/23
Matrix: Water - Drinking

Customer Sample ID Davis Well #1
Sample Date/Time: 4/3/23 1:15 PM
Lab Number: 230404091-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
Chloride	3.8 mg/L	EPA 300.0	0.1 mg/L		4/5/23	QC64028	AMJ
Fluoride	0.82 mg/L	EPA 300.0	0.10 mg/L	4	4/5/23	QC64029	AMJ
Nitrate Nitrogen	ND	EPA 300.0	0.05 mg/L	10	4/5/23	QC64030	AMJ
Nitrite Nitrogen	ND	EPA 300.0	0.03 mg/L	1	4/5/23	QC64031	AMJ
Sulfate	22.7 mg/L	EPA 300.0	0.1 mg/L		4/5/23	QC64033	AMJ
Cyanide-Total	ND	EPA 335.4	0.005 mg/L	0.02	4/5/23	QC64056	DPL
Total							
Iron	0.018 mg/L	EPA 200.7	0.005 mg/L	0.3	4/6/23	QC64085	MBN
Aluminum	0.052 mg/L	EPA 200.8	0.001 mg/L	0.05	4/6/23	QC64091	MBN
Antimony	ND	EPA 200.8	0.0012 mg/L	0.006	4/6/23	QC64091	MBN
Arsenic	ND	EPA 200.8	0.0006 mg/L	0.01	4/6/23	QC64091	MBN
Barium	0.0054 mg/L	EPA 200.8	0.0007 mg/L	2	4/6/23	QC64091	MBN
Beryllium	ND	EPA 200.8	0.0001 mg/L	0.004	4/6/23	QC64091	MBN
Cadmium	ND	EPA 200.8	0.0001 mg/L	0.005	4/6/23	QC64091	MBN
Chromium	ND	EPA 200.8	0.0015 mg/L	0.1	4/6/23	QC64091	MBN
Copper	0.0173 mg/L	EPA 200.8	0.0008 mg/L	1.3	4/6/23	QC64091	MBN
Lead	0.0004 mg/L	EPA 200.8	0.0001 mg/L	0.015	4/6/23	QC64091	MBN
Manganese	0.0206 mg/L	EPA 200.8	0.0008 mg/L	0.05	4/6/23	QC64091	MBN
Mercury	ND	EPA 200.8	0.0001 mg/L	0.002	4/6/23	QC64091	MBN
Selenium	ND	EPA 200.8	0.0008 mg/L	0.05	4/6/23	QC64091	MBN
Silver	ND	EPA 200.8	0.0005 mg/L	0.1	4/6/23	QC64091	MBN

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

MCL = Maximum contaminant level per the EPA
ND = Not Detected at Reporting Limit.

Analytical Results

TASK NO: 230404091

Report To: Stephanie Schwenke
Company: RESPEC Company, LLC
5540 Tech Center Drive
Suite 100
Colorado Springs CO 80919

Bill To: Stephanie Schwenke
Company: RESPEC Company, LLC
5540 Tech Center Drive
Suite 100
Colorado Springs CO 80919

Task No.: 230404091
Client PO:
Client Project: Davis Subdivision

Date Received: 4/4/23
Date Reported: 5/22/23
Matrix: Water - Drinking

Customer Sample ID Davis Well #1
Sample Date/Time: 4/3/23 1:15 PM
Lab Number: 230404091-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
<i>Total</i>							
Thallium	ND	EPA 200.8	0.0002 mg/L	0.002	4/6/23	QC64091	MBN
Zinc	0.008 mg/L	EPA 200.8	0.001 mg/L	5	4/6/23	QC64091	MBN

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Report To: Stephanie Schwenke
Company: RESPEC Company, LLC

Receive Date: 4/4/23
Project Name: Davis Subdivision

Test	QC Batch ID	QC Type	Result	Method	Prep Date
Chloride	QC64028	Blank	ND	EPA 300.0	4/4/23
Cyanide-Total	QC64056	Blank	ND	EPA 335.4	4/5/23
Fluoride	QC64029	Blank	ND	EPA 300.0	4/4/23
Aluminum	QC64091	Method Blank	ND	EPA 200.8	4/4/23
Antimony	QC64091	Method Blank	ND	EPA 200.8	4/4/23
Arsenic	QC64091	Method Blank	ND	EPA 200.8	4/4/23
Barium	QC64091	Method Blank	ND	EPA 200.8	4/4/23
Beryllium	QC64091	Method Blank	ND	EPA 200.8	4/4/23
Cadmium	QC64091	Method Blank	ND	EPA 200.8	4/4/23
Chromium	QC64091	Method Blank	ND	EPA 200.8	4/4/23
Copper	QC64091	Method Blank	ND	EPA 200.8	4/4/23
Lead	QC64091	Method Blank	ND	EPA 200.8	4/4/23
Manganese	QC64091	Method Blank	ND	EPA 200.8	4/4/23
Mercury	QC64091	Method Blank	ND	EPA 200.8	4/4/23
Selenium	QC64091	Method Blank	ND	EPA 200.8	4/4/23
Silver	QC64091	Method Blank	ND	EPA 200.8	4/4/23
Thallium	QC64091	Method Blank	ND	EPA 200.8	4/4/23
Zinc	QC64091	Method Blank	ND	EPA 200.8	4/4/23
Iron	QC64085	Method Blank	ND	EPA 200.7	4/4/23
Nitrate Nitrogen	QC64030	Blank	ND	EPA 300.0	4/4/23
Nitrite Nitrogen	QC64031	Blank	ND	EPA 300.0	4/4/23
Sulfate	QC64033	Blank	ND	EPA 300.0	4/4/23

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Chloride	QC64028	Duplicate	0 - 20	-	0.4	EPA 300.0
		LCS	90 - 110	100.4	-	
		MS	75 - 125	104.2	-	
Cyanide-Total	QC64056	Duplicate	0 - 20	-	0.0	EPA 335.4
		LCS	90 - 110	94.0	-	
		MS	75 - 125	94.5	-	
Fluoride	QC64029	Duplicate	0 - 20	-	2.3	EPA 300.0
		LCS	90 - 110	91.9	-	
		MS	75 - 125	98.2	-	
Aluminum	QC64091	LCS	90 - 110	106.5	-	EPA 200.8
		MS	70 - 130	100.4	-	
		MSD	0 - 10	-	1.5	
Antimony	QC64091	LCS	90 - 110	107.6	-	EPA 200.8
		MS	70 - 130	117.5	-	
		MSD	0 - 10	-	1.4	
Arsenic	QC64091	LCS	90 - 110	103.0	-	EPA 200.8
		MS	70 - 130	123.9	-	

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Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
		MSD	0 - 10	-	1.7	
Barium	QC64091	LCS	90 - 110	104.0	-	EPA 200.8
		MS	70 - 130	108.5	-	
		MSD	0 - 10	-	2.9	
Beryllium	QC64091	LCS	90 - 110	105.0	-	EPA 200.8
		MS	70 - 130	112.2	-	
		MSD	0 - 10	-	0.7	
Cadmium	QC64091	LCS	90 - 110	99.1	-	EPA 200.8
		MS	70 - 130	114.4	-	
		MSD	0 - 10	-	0.8	
Chromium	QC64091	LCS	90 - 110	103.1	-	EPA 200.8
		MS	70 - 130	111.8	-	
		MSD	0 - 10	-	0.9	
Copper	QC64091	LCS	90 - 110	102.7	-	EPA 200.8
		MS	70 - 130	108.6	-	
		MSD	0 - 10	-	0.5	
Lead	QC64091	LCS	90 - 110	101.8	-	EPA 200.8
		MS	70 - 130	102.9	-	
		MSD	0 - 10	-	0.6	
Manganese	QC64091	LCS	90 - 110	105.4	-	EPA 200.8
		MS	70 - 130	112.5	-	
		MSD	0 - 10	-	1.1	
Mercury	QC64091	LCS	90 - 110	98.4	-	EPA 200.8
		MS	70 - 130	115.8	-	
		MSD	0 - 10	-	3.6	
Selenium	QC64091	LCS	90 - 110	104.0	-	EPA 200.8
		MS	70 - 130	122.5	-	
		MSD	0 - 10	-	3.9	
Silver	QC64091	LCS	90 - 110	92.1	-	EPA 200.8
		MS	70 - 130	91.8	-	
		MSD	0 - 10	-	2.7	
Thallium	QC64091	LCS	90 - 110	109.8	-	EPA 200.8
		MS	70 - 130	113.5	-	
		MSD	0 - 10	-	0.9	
Zinc	QC64091	LCS	90 - 110	101.2	-	EPA 200.8
		MS	70 - 130	115.5	-	
		MSD	0 - 10	-	3.1	
Iron	QC64085	Duplicate	0 - 20	-	16.2	EPA 200.7
		LCS	90 - 110	98.4	-	
		MS	75 - 125	104.9	-	
Nitrate Nitrogen	QC64030	Duplicate	0 - 20	-	0.8	EPA 300.0
		LCS	90 - 110	101.0	-	
		MS	75 - 125	95.5	-	
Nitrite Nitrogen	QC64031	Duplicate	0 - 20	-	0.0	EPA 300.0
		LCS	90 - 110	92.8	-	
		MS	75 - 125	94.0	-	
Sulfate	QC64033	Duplicate	0 - 20	-	0.0	EPA 300.0
		LCS	90 - 110	101.4	-	
		MS	75 - 125	86.5	-	

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MCL = Maximum contaminant level per the EPA
ND = Not Detected at Reporting Limit.

All analyses were performed in accordance with approved methods under the latest revision to 40 CFR Part 136 unless otherwise identified. Based on my inquiry of the person or persons directly responsible for analyzing the wastewater samples and generating the report (s), the analyses, report, and information submitted are, to the best of my knowledge and belief, true, accurate, and complete.



DATA APPROVED FOR RELEASE BY

Abbreviations/ References:

RL = Reporting Limit = Minimum Level

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10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313

Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507