



To: Perry Mose

CC: Joseph Alessi, PLS, CRA, GRI, BSME  
Alessi and Associates, Inc.

From: Julia M. Murphy, MS PG

Date: August 3, 2020

RE: Water Supply: Jeanette Mose Minor Subdivision

The Water Resources report does not appear to prove water sufficiency for the two proposed lots. Please provide updated findings specific to this property.

The following presents Water Supply Report for the proposed 2-lot Jeanette Mose Minor Subdivision located in a portion of Section 8, Township 12 South, Range 64 West of the 6<sup>th</sup> PM in El Paso County Colorado. ("Project Site") (Figure 1). The Project Site is situated within Upper Black Squirrel Designated Groundwater Basin and within the jurisdiction of Upper Black Squirrel Creek Designated Groundwater Management District.

The vacant 6.12 acre parcel is proposed to be subdivided two create two lots consisting of 3.12 acres and 3.00 acres (Lot 2) (Figure 2).

Documents pertaining to the water supply of this land included as an attachment include:

- Determination of Water Rights BD-573 (Dawson Aquifer– RMBG, LLC #2, LLC and Pikes Peak Range Riders Foundation as applicant)
- Receipt No. 494786A, "Replacement Plan", dated June 27, 2007
- Receipt No. 495786B, "Replacement Plan 2", dated August 17, 2007
- Quitclaim Deed, Assignment of Assumption November 5<sup>th</sup>, 2019

The first Replacement Plan covers wells on the Equestrian Center and a caretaker residence on the Northern Tract. Replacement Plan 2 covers wells on what are to be 5 residential lots on the Southern Tract and a small portion of the Northern Tract (that includes this Project Site), totaling approximately 15.6 acres.

**WATER QUALITY**

Full Water Quality report is required and was not provided with this submittal

Each home will discard wastewater through individual non-evaporative septic disposal system will be in compliance with and permitted by the El Paso County Department of Health and Environment. The treated water quality discharged to the subsurface will meet the water quality



sufficiency requirement in compliance with Section 8.4.7(3)(d) of the El Paso County Land Development Code.

### **WATER QUANTITY**

A total of 276 acre-feet of Dawson Groundwater was deeded to the property owners by the Grantor, RMBG, LLC #2, on November 5<sup>th</sup> 2019 (Attached). The annual appropriation is 0.92 acre-feet per year to serve two homes on wells for 300 years. This amount is sufficient to supply the proposed two residential lots with 0.46 AF/Year.

### **WATER SUPPLY DEPENDIBILITY**

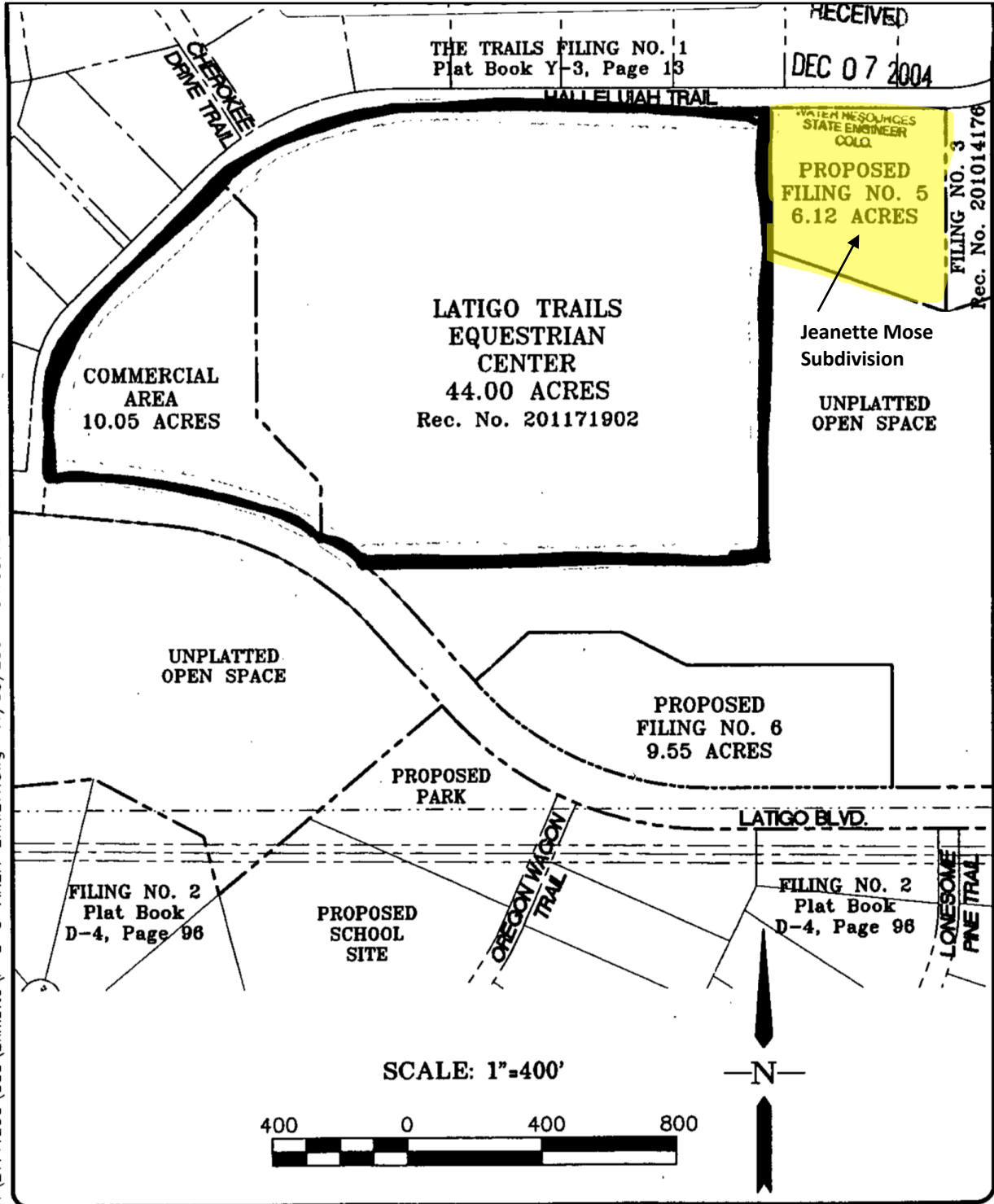
The proposed source of water supply is the non-tributary Dawson aquifer which is the uppermost aquifer underlying the property. The Dawson aquifer water will be used in accordance with the Replacement Plan. All groundwater will be used on the overlying land.

In the Findings of the June 27, 2007 Replacement Plan for BD-573, Paragraph 7.b., states the replacement plan includes an annual amount of 2.3 AF to serve a 5-lot subdivision (0.46 AF/lot) for 300 years; The Project Site will consists of two of the five proposed lots. The specified uses per home includes 0.46 AF/Yr for 300 years total to include 0.3 AF/Yr in-home use, 1,600 sq feet of lawn and garden and up to 4 large animals.

Pumping under the replacement plan is limited to a period of 300 years. The year of first use of this replacement plan shall be the calendar year of construction of a well permitted pursuant to this plan or permitting of an existing well pursuant to the plan.

### **CONCLUSION**

The proposed water supply is sufficient to meet the County's' requirement for two homes in terms of Quality, Quantity, and Dependability.

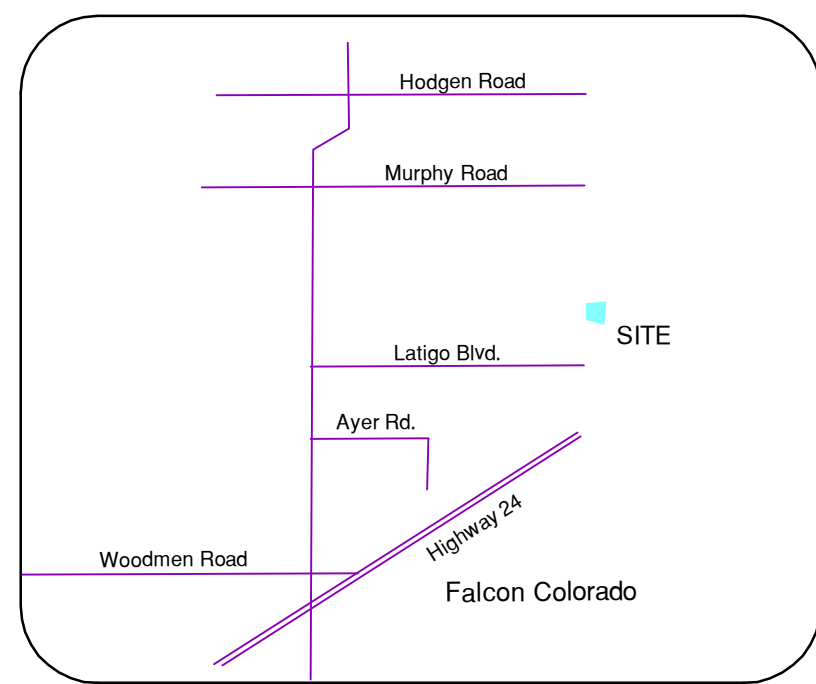


Source: Replacement Plan 2

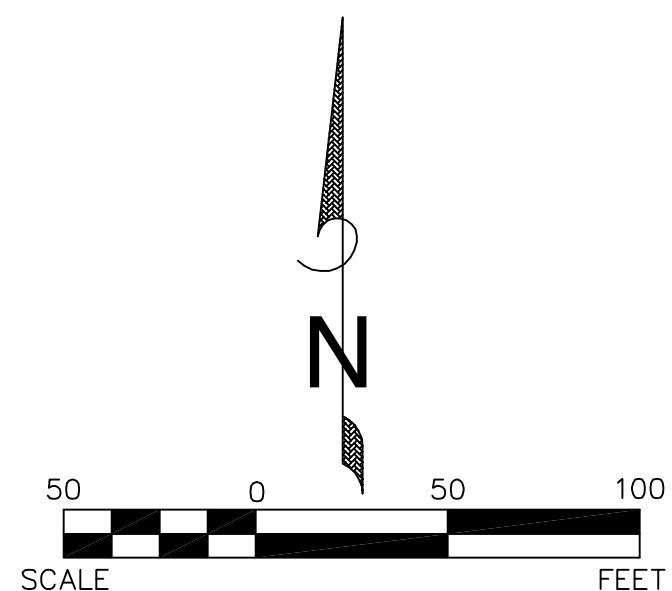
FIGURE 1  
Location

# Jeanette Mose Subdivision

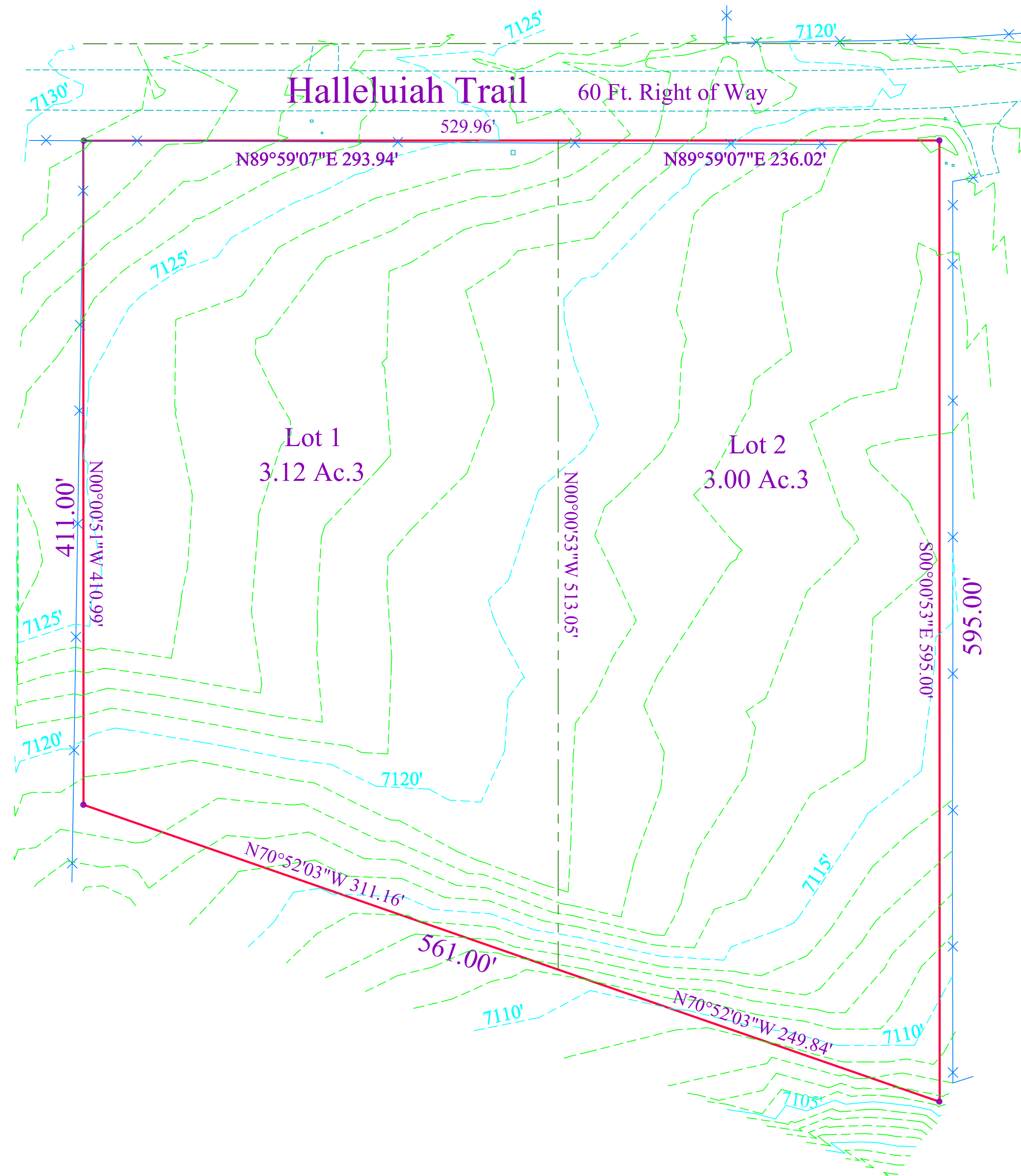
A portion of the Southeast Quarter of Section 8, Township 12 South, Range 64 West of the 6th P.M., County of El Paso, State of Colorado.



VICINITY MAP  
Not to Scale



Scale 1 inch = 50 feet



## Know All Men By These Presents:

That the undersigned, Gilbert Perry Mose Jr. and Jeanette Marie Mose, being the owner of the following described tract of land:

## To Wit:

A portion of the Southeast Quarter of Section 8, Township 12 South, Range 64 West of the 6th P.M., El Paso County, State of Colorado, described as follows:

FIGURE 2

## Dedication:

The above owner, having caused said tract of land to be platted into a lots and easements as shown on the plat, which subdivision shall be entitled "JEANETTE MOSE SUBDIVISION", a subdivision in El Paso County, Colorado. All easements platted are hereby dedicated to public use and said owner does hereby agree that proper drainage provided at the owner's expense and all to the satisfaction of the Board of County Commissioners of El Paso County, Colorado.

## In Witness Whereof:

The aforementioned Gilbert Perry Mose Jr. and Jeanette Marie Mose has executed this instrument this \_\_\_\_ Day of \_\_\_\_\_, 2020 A.D.

Gilbert Perry Mose Jr. and Jeanette Marie Mose

## Notarial:

State of Colorado )  
County of El Paso ) SS

The foregoing instrument was acknowledged before me this \_\_\_\_ day of \_\_\_\_\_, 2020 A.D., by Gilbert Perry Mose Jr. and Jeanette Marie Mose

Witness my hand and seal \_\_\_\_\_  
Address \_\_\_\_\_

My Commission expires \_\_\_\_\_

## Surveyor's Certification:

The undersigned Colorado Professional Land Surveyor does hereby certify that the accompanying plat was surveyed and drawn under his direct responsibility and supervision and accurately shows the described tract of land and subdivision thereof, and that the requirements of Title 38 of the Colorado Revised Statutes 1983 as amended, have been met to the best of his professional knowledge, belief and opinion.

Joseph Alessi \_\_\_\_\_ Date  
Colorado Professional Land Surveyor No. 30130



## Board of County Commissioners Certificate:

This Plat "JEANETTE MOSE SUBDIVISION" was approved for filing by the El Paso County, Colorado Board of Commissioners on the \_\_\_\_ day of \_\_\_\_\_, 2020, subject to any notes specified hereon and any conditions included in the resolution of approval. The dedications of land to the public streets and easements are accepted, but public improvements thereon will not become the maintenance responsibility of El Paso County until preliminary acceptance of the public improvements in accordance with the requirements of the Land Development Code and Engineering Criteria Manual, and the Subdivision Improvements Agreement.

Chair, Board of County Commissioners \_\_\_\_\_ Date \_\_\_\_\_

Executive Director, Planning and Community Development \_\_\_\_\_ Date \_\_\_\_\_

## Recordings:

State of Colorado )  
County of El Paso ) SS

I hereby certify that this instrument was filed for record in my office at \_\_\_\_\_ O'clock \_\_\_\_\_ M. this \_\_\_\_ Day of \_\_\_\_\_, 2020 A.D., and is duly recorded under Reception Number \_\_\_\_\_ of the records of El Paso County, State of Colorado.

Chuck Broirman, Recorder  
By: \_\_\_\_\_ Date \_\_\_\_\_

## Total Acreage:

Lot 1 = 3.12 Acres  
Lot 2 = 3.00 Acres  
Total = 6.12 Acres

## Flood Statement:

This site, "JEANETTE MOSE SUBDIVISION" is NOT within a designated F.E.M.A. Floodplain as determined by the Flood Insurance Rate Map, Community Panel Number 08041C0339G, effective December 7, 2018.

## Easements:

Unless otherwise indicated, all side, front, and rear lot lines are hereby platted on either side with a 10 foot public utility and drainage easement. All exterior subdivision boundaries are hereby platted with a 20 foot public utility and drainage easement. The sole responsibility for maintenance of these easements is hereby vested with the individual property owners.

## Service Providers:

Tri-Lakes Monument Fire Protection District  
Individual Sewage Disposal Systems  
Domestic Wells

## Legend:

- Found Monument as Shown
- Set #5 Rebar with Yellow Plastic Cap PLS #30130

## Fees:

Park Fee: \_\_\_\_\_ School Fee: \_\_\_\_\_  
Surcharge: \_\_\_\_\_  
Fee: \_\_\_\_\_

## Notice:

According to Colorado Law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of certification shown hereon.

## Notes:

- 1... This survey does not constitute a title search by Alessi and Associates, Inc., to determine ownership or easements of record. For information regarding easements, rights of way, Alessi and Associates, Inc. relied upon the Title Policy prepared by Land Title Guarantee Company of Colorado, File Number SC55074893-2, dated February 14, 2019.
- 2... "The property owner, its successors and assigns, and all future lot owners in this development are hereby on notice that they may be required to comply with applicable rules, if any, of the Colorado Ground Water Commission and/or the Upper Black Squirrel Creek Ground Water Management District, which compliance may result in a reduction of well withdrawal limits, and thus a reduction in water availability."
- 3... Basis of Bearings as shown, North determined by Leica GPS 1200 System. Monumentation, as shown.
- 4... Sewage treatment is the responsibility of each individual property owner. The El Paso County Health Department and Environment must approve each system and, in some cases the Department may require an engineer designed system prior to permit approval.
- 5... Individual wells are the responsibility of each property owner. Permits for individual wells must be obtained from the State Engineer who by law has the authority to set conditions for the issuance of these permits.
- 6... Water in the Denver Basin Aquifers is allocated based on a 100-year aquifer life; however, for El Paso County planning purposes, water in the Denver Basin Aquifers is elevated based on a 300-year aquifer life. Applicants, the Home Owners Association, and all future owners in the subdivision should be aware that the economic life of a water supply based on wells in a given Denver Basin Aquifer may be less than either the 100 years or 300 years indicated due to anticipated water level declines. Furthermore, the water supply plan should not rely solely upon non-renewable aquifers. Alternative renewable water resources should be acquired and incorporated in a permanent water supply plan that provides future generations with a water supply.
- 7... No driveway shall be established unless an access permit has been granted by El Paso County.
- 8... All Property owners are responsible for maintaining proper storm drainage in and through their property. Public drainage easements as specifically noted on the plat shall be maintained by the individual lot owners unless otherwise indicated. Structures, fences, materials or landscaping that could impede the flow of runoff shall not be placed in drainage easements.

- 9... Mailboxes shall be installed in accordance with all El Paso County Department of Transportation and United States Postal Service regulations.
- 10... Developer shall comply with federal and state laws, regulations, ordinances, review and permit requirements, and other agency requirements, if any, of applicable agencies including, but not limited to, the Colorado Department of Wildlife, Colorado Department of Transportation, U.S. Army Corps of Engineers, the U.S. Fish & Wildlife Service regarding the Endangered Species Act, particularly as it relates to the Preble's Meadow Jumping Mouse as a listed threatened species.
- 11... The following reports have been submitted and are on file at the Planning and Community Development Department: Soils and Geological, Water Supply, Drainage Report and Sewage Disposal.
- 12... All structural foundations shall be located and designed by a Professional Engineer, currently registered in the State of Colorado. Natural drainage locations shall be avoided by construction and site-specific foundation/septic investigations shall be required.
- 13... No Structures or major material storage activities are permitted within the designated drainage easements, except fences; fences shall not impede runoff from reaching drainage swales.
- 14... The addresses exhibited on this plat are for informational purposes only. They are not the legal description and are subject of change.
- 15... Property within this subdivision is subject to the terms and provisions of the El Paso County Road Impact Fee Program (Resolution 18-471) and any subsequent amendments. Fees for each lot within this subdivision shall be paid in full at the time of building permit issuance.
- 16... The private roads as shown on this plat will not be maintained by El Paso County until and unless the streets are constructed in conformance with El Paso County standards in effect at the date of the request for dedication and maintenance.



**ALESSI and ASSOCIATES, Inc.**  
APPRAISERS • ENGINEERS • SURVEYORS  
2989 Broadmoor Valley Road, Suite C Tele. 719/540-8832  
Colorado Springs, CO 80906 Fax 719/540-2781

A portion of the SE 1/4 of Section 8, Township 12 South, Range 64 West  
6th Principle Meridian, El Paso County, Colorado

Job No. 201005 JEANETTE MOSE SUB. DATE February 14, 2020



The foregoing instrument was acknowledged before me this 6 day of Nov, 2019, by William L Miller as Manager of RMBG, LLC #2.

Witness my hand and official seal.

My commission expires: 08-02-2022.

Ashley Graham  
Notary Public

Grantee:

Grantee:



STATE OF COLORADO

)

) ss.

COUNTY OF El Paso

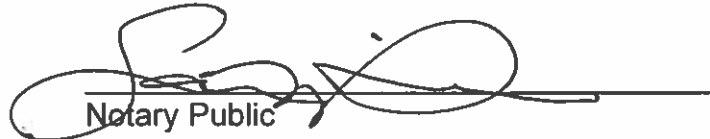
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The foregoing instrument was acknowledged before me this 09 day of November 2019, by Gilbert Perry Mose, Jr. and Jeanette Marie Mose.

Witness my hand and official seal.

My commission expires: August 23, 2022

Sarah D Wilson  
NOTARY PUBLIC  
STATE OF COLORADO  
NOTARY ID 20184033943  
MY COMMISSION EXPIRES August 23, 2022

  
Notary Public

**COLORADO GROUND WATER COMMISSION  
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR DETERMINATION OF WATER RIGHT TO  
ALLOW THE WITHDRAWAL OF GROUND WATER IN THE UPPER BLACK SQUIRREL  
CREEK DESIGNATED GROUND WATER BASIN

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APPLICANT: RMBG, LLC #2, AND PIKES PEAK RANGE RIDERS FOUNDATION

AQUIFER: DAWSON

DETERMINATION NO.: 573-BD

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In compliance with Section 37-90-107(7), C.R.S., and the Designated Basin Rules, 2 CCR 410-1, RMBG, LLC #2, and Pikes Peak Range Riders Foundation (hereinafter "applicant") submitted an application for determination of water right to allow the withdrawal of designated ground water from the Dawson Aquifer.

**FINDINGS**

1. The application was received in a complete form by the Colorado Ground Water Commission on May 8, 2003.
  - a. The applicant requests a determination of rights to designated ground water in the Dawson Aquifer (hereinafter "aquifer") underlying 69.72 acres consisting of two noncontiguous areas generally described as:

North Tract - a 60.17 acre land area located in a part of the SW1/4 north of Latigo Boulevard and in a part of the W1/2 of the SE1/4, of Section 8;

South Tract - a 9.55 acre land area located in a part of the SE1/4 of the SW1/4 and in the SW1/4 of the SE1/4, of Section 8;

all in Township 12 South, Range 64 West of the 6<sup>th</sup> Principal Meridian, in El Paso County.
  - b. According to a signed statement dated March 10, 2003, the applicant claims control of the inchoate right to allocation of the ground water in the aquifer under the above described overlying land areas based on recorded deeds transferring such control by the previous owners of the overlying land to Venture Ranch, Inc., on August 31, 1984; the subsequent transfer of control of the subject ground water to The Trails, Ltd.; and later transfer of control of all of the subject ground water to the applicant. This statement, a legal description and map of the overlying land area, and the applicant's documentation supporting the claim, are attached hereto as Exhibit A.
2. The proposed annual amount of ground water to be allocated and withdrawn from the aquifer for intended beneficial uses is the maximum allowable amount.
3. The above described land area overlying the ground water claimed by the applicant is located within the boundaries of the Upper Black Squirrel Creek Designated Ground Water Basin and within the Upper Black Squirrel Creek Ground Water Management District. The Colorado Ground Water Commission (hereinafter "Commission") has jurisdiction.



4. The applicant intends to apply the allocated ground water to the following beneficial uses: commercial, irrigation, domestic, livestock and replacement water. The applicant's proposed place of use of the allocated ground water is the above-described 69.72 acre overlying land area. A central supply system may be used to deliver the water for the above uses on the described land area.
5. The two land areas, designated the North Tract and the South Tract, claimed by the applicant and described in Exhibit A are noncontiguous. A quantification of the amount of ground water in storage in the aquifer and a maximum annual allocation will be determined specifically for the aquifer underlying each of these areas. A map of these areas is attached hereto as Exhibit B.
6. The quantity of water in the aquifer underlying each of the above land areas is as follows:

North Tract = 2647 acre-feet; South Tract = 420 acre-feet;

This determination was based on the following as specified in the Designated Basin Rules:

- a. The average specific yield of the saturated permeable material of the aquifer underlying each of the land areas under consideration that could yield a sufficient quantity of water that may be extracted and applied to beneficial use is 20 percent.
  - b. The average thickness of the saturated permeable material of the aquifer underlying the land areas under consideration that could yield a sufficient quantity of water that may be extracted and applied to beneficial use is 220 feet.
7. At this time, there is no substantial artificial recharge that would affect the aquifer within a one hundred year period.
  8. Pursuant to Section 37-90-107(7), C.R.S., and in accordance with the Designated Basin Rules, the Commission shall allocate ground water in the aquifer based on ownership of the overlying land and an aquifer life of one hundred years. Therefore, the maximum average annual amount of ground water in the aquifer that may be allocated for withdrawal pursuant to the data in the paragraphs above for each overlying land area claimed by the applicant is as follows: the North Tract = 26.5 acre-feet; the South Tract = 4.2 acre-feet.
  9. The ability of wells permitted to withdraw the authorized amount of water from this non-renewable aquifer may be less than the one hundred years upon which the amount of water in the aquifer is allocated, due to anticipated water level declines.
  10. In accordance with Rule 5.3.6 of the Designated Basin Rules, it has been determined that withdrawal of ground water from the aquifer underlying the 69.72 acres of land claimed by the applicant will, within one hundred years, deplete the flow of a natural stream or its alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal and, therefore, the ground water is considered to be non-tributary ground water. Withdrawal of water from the aquifer underlying the claimed land area would impact

the alluvial aquifer of Black Squirrel Creek or its tributaries, which has been determined to be over-appropriated. Commission approval of a replacement plan - pursuant to Section 37-90-107.5, C.R.S., and Rule 5.6 of the Designated Basin Rules - providing for the actual depletion of the alluvial aquifer and adequate to prevent any material injury to existing water rights, would be required prior to approval of well permits for wells to be located on this land area to withdraw the allocated ground water from the aquifer.

11. A review of the records in the Office of the State Engineer has disclosed a small-capacity well located on the applicant's claimed overlying land, permit number 84139. The applicant claims ownership of this well and has provided a written request to the Commission to cancel this well permit upon approval of this determination. For this reason, the annual withdrawal for this well was not considered in determining the allowed quantity of ground water in the aquifer to be allocated. Except for this well, review of the records in the Office of the State Engineer has disclosed that none of the water in the aquifer underlying the land claimed by the applicant has been previously allocated or permitted for withdrawal.
12. Pursuant to Section 37-90-107(7)(c)(III), C.R.S., an approved determination of water right shall be considered a final determination of the amount of ground water so determined; except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes.
13. In accordance with Section 37-90-107(7), C.R.S., upon Commission approval of a determination of water right, well permits for wells to withdraw the authorized amount of water from the aquifer shall be available upon application, subject to the conditions of this determination and the Designated Basin Rules and subject to approval by the Commission.
14. On May 8, 2003, in accordance with Rule 9.1 of the Designated Basin Rules, a letter was sent to the Upper Black Squirrel Creek Ground Water Management District requesting written recommendations concerning this application. No written recommendations from this district were received.
15. The Commission Staff has evaluated the application relying on the claims to control of the ground water in the aquifer made by the applicant.
16. In accordance with Sections 37-90-107(7) and 37-90-112, C.R.S., the application was published in The Gazette newspaper on May 15 and 22, 2003.
17. a. On June 3, 2003, an objection to the application was received from the Upper Black Squirrel Creek Ground Water Management District ("objector"), and assigned Case No. 03-GW-11. No other objection to the proposed determination of water right was received within the time limit set by statute.  
  
b. On April 14, 2004, prior to an administrative hearing in this case, the objector withdrew its objection.  
  
c. By Order of the Commission Hearing Officer dated April 23, 2004, Case No. 03-GW-11 was dismissed.

18. In order to prevent unreasonable impairment to the existing water rights of others within the Upper Black Squirrel Creek Designated Ground Water Basin it is necessary to impose conditions on the determination of water right and proposed allocation of ground water. Under these conditions as stated in the following Order, no unreasonable impairment of existing water rights will occur from approval of this determination of water right or from the issuance of well permits for wells to withdraw the authorized amount of allocated ground water from the aquifer.

### ORDER

In accordance with Section 37-90-107(7), C.R.S., and the Designated Basin Rules, the Colorado Ground Water Commission orders that the application for determination of rights to designated ground water in the Dawson Aquifer underlying 69.72 acres, consisting of two noncontiguous areas generally described as: the North Tract - a 60.17 acre land area located in a part of the SW1/4 north of Latigo Boulevard and in a part of the W1/2 of the SE1/4, of Section 8; and the South Tract - a 9.55 acre land area located in a part of the SE1/4 of the SW1/4 and in the SW1/4 of the SE1/4, of Section 8; all in Township 12 South, Range 64 West of the 6<sup>th</sup> Principal Meridian, is approved subject to the following conditions:

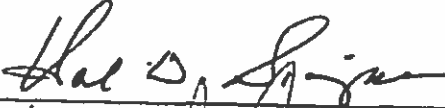
19. The allocated average annual amount of ground water to be withdrawn from the aquifer shall not exceed the following amounts: North Tract = 26.5 acre-feet; South Tract = 4.2 acre-feet. The allowed maximum annual amount of withdrawal may exceed the allowed average annual amount of withdrawal as long as the total volume of water withdrawn does not exceed the product of the number of years since the date of approval of this determination times the allowed average annual amount of withdrawal
20. To conform to actual aquifer characteristics, the Commission may adjust the allocated average annual amount of ground water to be withdrawn from the aquifer based on analysis of geophysical logs or other site-specific data if such analysis indicates that the initial estimate of the volume of water in the aquifer was incorrect.
21. Commission approval of a replacement plan, providing for actual depletion of affected alluvial aquifers and adequate to prevent any material injury to existing water rights in such alluvial aquifers is required prior to approval of well permits for wells to be located on the overlying land area to withdraw ground water from the aquifer.
22. The use of ground water from this allocation shall be limited to the following beneficial uses: commercial, irrigation, domestic, livestock and replacement water. The place of use shall be limited to the above-described 69.72 acre land area.
23. The applicant, or subsequent persons controlling this water right, shall record in the public records of the county - in which the claimed overlying land is located - notice of transfer of any portion of this water right to another within sixty days after the transfer, so that a title examination of the above described 69.72 acre land area, or any part thereof, shall reveal the changes affecting this water right. Such notice shall consist of a signed and dated deed which indicates the determination number, the aquifer, a description of the above described land area, the annual amount of ground water (acre-feet) transferred, name of the recipient, and the date of transfer.

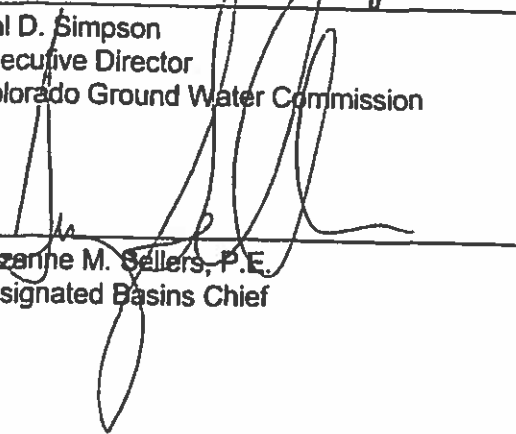
24. Subject to the above conditions, well permits for wells to withdraw the authorized annual amount of water from the aquifer shall be available upon application subject to approval by the Commission and the following conditions:
- a. The wells shall be located on the above described 69.72 acre overlying land area. Wells located within the 60.17 acres of the North Tract shall only withdraw the allowed average annual amount of water determined for that area (26.5 acre-feet); wells located within the 9.55 acres of the South Tract shall only withdraw the allowed average annual amount of water determined for that area (4.2 acre-feet); unless the following condition may be satisfied:
    - i. In accordance with Rule 5.3.7.2. of the Designated Basin Rules, a permitted and constructed well may be located within one of the above described noncontiguous land areas at a point where the total combined allowed average annual amounts of water determined for that area and the other described noncontiguous area may be withdrawn by that well – and thereafter through any other well(s) permitted to withdraw those allocations and located on either of those two areas – if a cylinder of appropriation, calculated for the combined annual amounts for those two areas and centered at that well location, overlaps a portion of the described noncontiguous area. The radius of such a cylinder is subject to paragraph 20 of this Order and the actual amount of saturated permeable material of the aquifer at the well location. Any request for combined withdrawal from noncontiguous areas must be identified in the well permit application.
  - b. The wells must be constructed to withdraw water from only the Dawson Aquifer. Upon application for a well permit to construct such a well, the estimated top and base of the aquifer at the proposed well location will be determined by the Commission and indicated on the approved well permit. Plain non-perforated casing must be installed, grouted and sealed to prevent diversion of ground water from other aquifers and the movement of ground water between aquifers.
  - c. The entire depth of each well must be geophysically logged prior to installing the casing as set forth in Rule 9 of the Statewide Nontributary Ground Water Rules, 2 CCR 402-7.
  - d. Each well shall be constructed within 200 feet of the location specified on the approved well permit, and, except for wells permitted in accordance with this determination, must be more than 600 feet from any existing large-capacity well completed in the same aquifer.
  - e. The wells may withdraw the allowed average annual amount of water from the aquifer together in any combination, subject to paragraph 24.a of this Order. The total combined annual withdrawal of the wells shall not exceed the allowed average annual amount described in this Order.
  - f. A totalizing flow meter or other Commission approved measuring device shall be installed on each well and maintained in good working order by the well owner. Annual diversion records shall be collected and maintained by the well owner and submitted to the Commission or the Upper Black Squirrel Creek Ground Water Management District upon their request.

g. The well owner shall mark the well in a conspicuous place with the permit number and the name of the aquifer. The well owner shall take necessary means and precautions to preserve these markings.

25. A copy of this Findings and Order shall be recorded by the applicant in the public records of the county - in which the claimed overlying land is located - so that a title examination of the above described 69.72 acre overlying land area, or any part thereof, shall reveal the existence of this determination.

Dated this 25<sup>th</sup> day of August, 2004.

  
\_\_\_\_\_  
Hal D. Simpson  
Executive Director  
Colorado Ground Water Commission

  
By: \_\_\_\_\_  
Suzanne M. Sellers, P.E.  
Designated Basins Chief

Prepared by: RAC  
FIND-492

COLORADO GROUND WATER COMMISSION  
FINDINGS AND ORDER

IN THE MATTER OF AN APPLICATION FOR REPLACEMENT PLAN TO ALLOW THE WITHDRAWAL OF GROUND WATER FROM THE DAWSON AQUIFER IN THE UPPER BLACK SQUIRREL CREEK DESIGNATED GROUND WATER BASIN.

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APPLICANT: RMBG, LLC #2

REPLACEMENT PLAN - DETERMINATION OF WATER RIGHT NO. 573-BD

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In compliance with Section 37-90-107.5, CRS, and the Designated Basin Rules, 2 CCR 410-1, RMBG, LLC #2, LLC (referred to hereinafter as "applicant") submitted an application for a replacement plan to allow the withdrawal of ground water from the Dawson Aquifer in accordance with Determination of Water Right No. 573-BD.

## FINDINGS

1. Pursuant to Section 37-90-107(7), CRS, in the Findings and Order dated August 25, 2004, the Ground Water Commission (hereinafter "Commission") approved a Determination of Water Right, No. 573-BD, for the Dawson aquifer. This determination of water right allows the allocation of ground water from the Dawson Aquifer (hereinafter "aquifer"), underlying a total of 69.72 acres consisting of two noncontiguous areas designated and generally described as the **North Tract** - a 60.17 acre land area located in a part of the SW $\frac{1}{4}$  north of Latigo Boulevard and in a part of the W $\frac{1}{2}$  of the SE $\frac{1}{4}$  Section 8; and the **South Tract** - a 9.55 acre land area located in a part of the SE $\frac{1}{4}$  of the SW $\frac{1}{4}$  and in the SW $\frac{1}{4}$  of the SE $\frac{1}{4}$  of Section 8, all in Township 12 South, Range 64 West of the 6th Principal Meridian, in El Paso County.
2. The allowed average annual amount of ground water to be withdrawn from the aquifer, in accordance with the conditions of the above determination of water right, shall not exceed 26.5 acre-feet for the North Tract, and 4.2 acre-feet for the South Tract.
3.
  - a. In accordance with Rule 5.3.6 of the Designated Basin Rules, the replacement water requirement status for the ground water in the aquifer underlying the above described 69.72-acre land area was determined to be not-nontributary. Withdrawal of ground water from the aquifer underlying the above land area would impact the Upper Black Squirrel Creek Designated Ground Water Basin Alluvial Aquifer, described in Designated Basins Rules 5.2.6.1 (hereinafter referred to as the "Upper Black Squirrel Creek Alluvial Aquifer"), and the Kiowa-Bijou alluvial aquifer, which have been determined by the Commission to be over-appropriated.
  - b. Commission approval of a replacement plan, providing for replacement of actual depletions to the alluvial aquifers and adequate to prevent any material injury to existing water rights, is required prior to approval of well permits for wells to be located on the above described land area to withdraw the allowed allocation of ground water from the aquifer, in accordance with the conditions of the subject determination of water right.
4. In accordance with Rule 5.3.6.2(C) of the Designated Basin Rules, 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.

5. The above-described 69.72-acre land area is located within the boundaries of the Upper Black Squirrel creek Designated Ground Water Basin. The Commission has jurisdiction.
6. The subject application for replacement plan was received complete by the Commission on April 6, 2007.
7.
  - a. In accordance with Rule 5.6.1 of the Designated Basin Rules, the replacement plan must be adequate to prevent any material injury to water rights of other appropriators.
  - b. As proposed by the applicant, the replacement plan would allow for use of an annual amount of up to 2.3 acre-feet of water for individual wells serving a 5-lot subdivision for a period of 300-years. The five-lot subdivision would utilize the South Tract and small portion of the North Tract. The use of each well would be limited to an annual withdrawal of 0.46 acre-feet of ground water for in-house use (0.30 acre-feet), the irrigation of up to 1,600 square feet of lawn garden area, and the watering of up to four large domestic animals.
  - c. The applicant calculated actual depletions to the Upper Black Squirrel Creek and Kiowa-Bijou Alluvial Aquifers for the proposed withdrawals with a ground water flow model (AUG 3) using the Colorado State Engineer's (SEO) Dawson aquifer DA02 data file, the output of which is attached hereto as Exhibit A. The maximum combined depletions to both aquifers caused by the pumping of 2.3 acre-feet per year for 300 years will be 1.85% of pumping in the 300<sup>th</sup> year, which is equal to 0.04 acre-feet per year (or 0.008 acre-feet per year per well).
  - d. Replacement of depletions are to be made to the Upper Black Squirrel Creek Alluvial Aquifer. The applicant plans to aggregate replacement water to the drainage of Black Squirrel Creek via the alluvium of Black Squirrel Creek and the alluvium of a near-by un-named tributary channel.
  - e. The source of replacement water would be return flows from in-house use of ground water, to be withdrawn from five wells permitted in accordance with the conditions of the subject determination and proposed replacement plan.
    - i. The applicant estimates that each lot using the Dawson aquifer as a water source will contribute 90% of water used in-house, equaling 0.27 acre-feet per year per well, or 1.35 acre-feet per year for all five wells, which will exceed total calculated depletions.
    - ii. A totalizing flow meter will be installed on each well and kept in good working order for the purpose of measuring withdrawals and calculating replacements made.
    - iii. A homeowner's association will be established to administer the replacement plan.
    - iv. The approved replacement plan will be recorded in the real property records of El Paso County.
  - f. Operation of the replacement plan involves constructing the septic systems in compliance with State and County health department standards and, as a result, shall not cause unreasonable impairment of water quality of the receiving aquifer.
8. Records in this office indicate that the applicant controls the water right to be used as a source of replacement water, Determination No. 573-BD.

9. In accordance with Sections 37-90-107.5 and 37-90-112, CRS, the application was published in The Ranchland News newspaper on April 12 and 19, 2007.
10. No objections to the application were received within the time limit set by statute.
11. The Commission Staff has evaluated the application pursuant to Section 37-90-107.5, CRS, and the requirements of Rule 5.3.6.2(C) and Rule 5.6 of the Designated Basin Rules.
12. a. In accordance with Rule 5.6.2 of the Designated Basin Rules, the applicant shall have the burden of proving the adequacy of the plan in all respects.  
  
b. The Commission Staff shall propose any additional terms and conditions or limitations, which are necessary to prevent material injury and to ensure that the plan is administrable and enforceable. Any such terms and conditions or limitations are incorporated into the following Order of the Commission.
13. Upon Commission approval of this replacement plan, well permits for wells to withdraw the authorized amount of water from the aquifer shall be available upon application, subject to the terms and conditions of the replacement plan and the conditions for well permit issuance in Determination of Water Right No. 573-BD, and subject to approval by the Commission.
14. Based on data and information supplied by the applicant, the subject replacement plan, if operated under the conditions of the following Order, will prevent material injury from occurring to the existing appropriators within the Upper Black Squirrel Creek Designated Ground Water Basin, or any other designated basin as a result of withdrawing ground water from the Dawson aquifer allocation pursuant to Determination of Water Right no. 573-BD.

### ORDER

In accordance with Section 37-90-107.5, CRS, and the Designated Basin Rules, the Colorado Ground Water Commission orders that the application for replacement plan, to allow the withdrawal of ground water from the Dawson Aquifer underlying a total of 69.72 acres consisting of two noncontiguous areas designated and generally described as the **North Tract** – a 60.17 acre land area located in a part of the SW¼ north of Latigo Boulevard and in a part of the W½ of the SE¼ Section 8; and the **South Tract** – a 9.55 acre land area located in a part of the SE¼ of the SW¼ and in the SW¼ of the SE¼ of Section 8, all in Township 12 South, Range 64 West of the 6th Principal Meridian, in El Paso County, in accordance with Determination of Water Right No. 573-BD, is approved subject to the following conditions:

15. Well permits for up to five individual on-lot wells shall be available upon application subject to approval by the Commission and the conditions for well permit issuance in the Commission's Findings and Order of August 25, 2004, for Determination of Water Right No. 573-BD, and subject to the following terms and conditions of this replacement plan.




17. A totalizing flow meter shall be installed on each well. The well owners shall maintain the meters in good working order. Permanent records of annual withdrawal of ground water shall be maintained by each well owner and provided to the Commission upon request.
18. The allowed annual amount of ground water to be withdrawn from the aquifer by each permitted well shall not exceed 0.46 acre-feet, an annual combined total amount of 2.3 acre-feet.
19. The allowed use of ground water for each well under this plan is in-house, up to 1,600 square feet of lawn and garden irrigation, and watering of up to four large domestic animals. Place of use for each well shall be limited to the lot on which the well is located.
20. To assure adequate return flows, at least one well must be serving an occupied single-family dwelling that is generating return flows via a non-evaporative septic system before any irrigation or animal watering is allowed to be served by any well.
21. A table showing total net annual depletions to the affected alluvial aquifer, as a percentage of pumping and in acre-feet per year, in ten-year increments, is attached hereto on Page 2 of Exhibit A. Depletions are based on a continuous annual withdrawal from the aquifer of 2.3 acre-feet. Replacement of depletions must be provided based on the acre-feet amounts shown in that table. Replacement requirements may be computed on a pro-rated basis between each ten-year value, or for simplicity may be equal to the amount shown in next succeeding ten-year increment.
22. Pumping under this plan is limited to a period of 300 years. The year of first use of this replacement plan shall be the calendar year of construction of a well permitted pursuant to this plan or permitting of an existing well pursuant to the plan.
23. Return flows from all use of ground water shall occur through individual on lot non-evaporative septic systems constructed to State and county health department standards.
24. The replacement plan shall provide for the required annual amount of replacement water for the first 100 years, and if pumping continues beyond 100 years for as long as pumping continues. So long as at least one well continues to pump and supply an occupied dwelling, the plan's required replacement obligation, shown on page 2 of Exhibit A, will be met. Should all wells cease pumping for residential use within the first 100 years, at least one well must either maintain pumping for replacement purposes, or an amended or alternate replacement plan must be applied for that will make the required replacement deliveries.
25. The applicant, or their successor (assumed herein to be a property owners association) must maintain permanent records containing the following items:
  - a. A listing of all well permits issued and wells constructed pursuant to this plan
  - b. The annual and cumulative amounts of water diverted by each individual well and by all wells in total.
  - c. Whether each individual well is serving an occupied dwelling.
  - d. Whether each individual well is serving irrigated landscaping, and amount of land being irrigated.
  - e. Whether each individual well is serving domestic animals, and the number of head served.
  - f. The return flows occurring from in-house use of each well, assuming a 90% return flow rate for in-house use.


26. The applicant shall form a property owners association to assure operation of the replacement plan. Each lot owner in the above-described future subdivision shall be a member of the association. This association shall be responsible for the operation of the plan, and shall prepare all notices and reports required by the plan and provide these to the Commission with any other information related to the operation of the replacement plan that may be requested by the Commission.
27. The applicant or their successor shall assure that replacement water is provided to the alluvium as is required under this plan. The amount of replacement water shall be calculated and reported on the accounting form acceptable to the Commission. The replacement water must equal or exceed the depletions to the alluvium on a yearly basis and must prevent any material injury to the water rights of other appropriators. No credit shall be claimed by the applicant for an oversupply of replacement water provided to the alluvium during previous years.
28. The applicant or their successor shall record and maintain permanent records of all totalizing flow meter readings, power meter readings and data concerning all other operations associated with the replacement plan which are necessary to allow replacement to occur on a yearly basis and to submit this information to the Commission on an annual basis for the calendar year just concluded by February 15th of the following year.
29. To insure appropriate control of the subject water right and source of replacement water by the lot owners in the future subdivision, and allow for each lot owner to obtain a well permit, the applicant shall either tie a share of the water right and annual allocation amount to each lot, if well permits will be applied for in the name of the applicant or property owners association, or transfer a share of the water right and annual allocation amount to each lot owner, if well permits will be applied for by each lot owner. Such transfers shall be by recorded deed, in accordance with the conditions of paragraph 23 of the Commission's Order for Determination No. 573-BD.
30. Any covenants adopted for the future subdivision should contain a description of the replacement plan and how the plan is to be administered, including the required limitations on water use for each lot.
31. A copy of this Findings and Order shall be recorded by the applicant in the real property records of El Paso County, so that a title examination of the above described 69.72 acre property, or any part thereof, shall reveal to all future purchasers the existence of this replacement plan. The terms and conditions of this replacement plan shall be considered to be a covenant on and running with the subject property.
32. In the event the permitted wells are not operated in accordance with the conditions of this replacement plan, they shall be subject to administration, including orders to cease diverting ground water.
33. The Commission retains jurisdiction to modify or revoke approval of this replacement plan, if monitoring or operating experience reveals that the plan results in any material injury to water rights of other appropriators or in unreasonable impairment to water quality.

Applicant: RMBG, LLC #2  
Dawson Aquifer  
Replacement Plan - Determination No. 573-BD

Dated this 27th day of June, 2007.

  
Dick Wolfe, P.E. for the  
Executive Director  
Colorado Ground Water Commission



By:   
Keith Vander Horst, P.E.  
Supervisor, Designated Basins

Prepared by: ebt  
FIND-RP13-2007

**COLORADO GROUND WATER COMMISSION  
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR REPLACEMENT PLAN TO ALLOW THE WITHDRAWAL OF GROUND WATER FROM THE DAWSON AQUIFER IN THE UPPER BLACK SQUIRREL CREEK DESIGNATED GROUND WATER BASIN.

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APPLICANT: RMBG, LLC #2, AND PIKES PEAK RANGE RIDERS FOUNDATION

REPLACEMENT PLAN NO. 2 – DETERMINATION OF WATER RIGHT NO. 573-BD

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In compliance with Section 37-90-107.5, CRS, and the Designated Basin Rules, 2 CCR 410-1, RMBG, LLC #2, LLC (referred to hereinafter as "applicant") submitted an application for a replacement plan to allow the withdrawal of ground water from the Dawson Aquifer in accordance with Determination of Water Right No. 573-BD.

**FINDINGS**

1. Pursuant to Section 37-90-107(7), CRS, in the Findings and Order dated August 25, 2004, the Ground Water Commission (hereinafter "Commission") approved a Determination of Water Right, No. 573-BD, for the Dawson aquifer. This determination of water right allows the allocation of ground water from the Dawson Aquifer (hereinafter "aquifer"), underlying a total of 69.72 acres consisting of two noncontiguous areas designated and generally described as the **North Tract** – a 60.17 acre land area located in a part of the SW $\frac{1}{4}$  north of Latigo Boulevard and in a part of the W $\frac{1}{2}$  of the SE $\frac{1}{4}$  Section 8; and the **South Tract** – a 9.55 acre land area located in a part of the SE $\frac{1}{4}$  of the SW $\frac{1}{4}$  and in the SW $\frac{1}{4}$  of the SE $\frac{1}{4}$  of Section 8, all in Township 12 South, Range 64 West of the 6th Principal Meridian, in El Paso County.
2. The allowed average annual amount of ground water to be withdrawn from the aquifer, in accordance with the conditions of the above determination of water right, shall not exceed 26.5 acre-feet for the North Tract, and 4.2 acre-feet for the South Tract.
3.
  - a. In accordance with Rule 5.3.6 of the Designated Basin Rules, the replacement water requirement status for the ground water in the aquifer underlying the above described 69.72-acre land area was determined to be not-nontributary. Withdrawal of ground water from the aquifer underlying the above land area would impact the Upper Black Squirrel Creek Designated Ground Water Basin Alluvial Aquifer, described in Designated Basins Rules 5.2.6.1 (hereinafter referred to as the "Upper Black Squirrel Creek Alluvial Aquifer"), and the Kiowa-Bijou alluvial aquifer, which have been determined by the Commission to be over-appropriated.
  - b. Commission approval of a replacement plan, providing for actual depletion to the alluvial aquifers and adequate to prevent any material injury to existing water rights, is required prior to approval of well permits for wells to be located on the above described land area to withdraw the allowed allocation of ground water from the aquifer, in accordance with the conditions of the subject determination of water right.
4. In accordance with Rule 5.3.6.2(C) of the Designated Basin Rules, 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.

5. The above-described 69.72-acre land area is located within the boundaries of the Upper Black Squirrel Creek Designated Ground Water Basin. The Commission has jurisdiction.
6. The subject application for replacement plan was received complete by the Commission on April 10, 2007.
7. a. In accordance with Rule 5.6.1 of the Designated Basin Rules, the replacement plan must be adequate to prevent any material injury to water rights of other appropriators.
  - b. As proposed by the applicant, the replacement plan would allow for use of an annual amount of up to 7.9 acre-feet of water for the well serving the existing care-taker residence and commercial venue (restaurant and horse arena), for a period of 300-years. The existing care-taker residence, and the commercial businesses all occur on the western 54.05 acres of the North Tract (The 10.05 acre Commercial Area and the 44.0 acre Latigo Trails Equestrian Center as depicted on the attached Figure 1).
  - c. On June 27, 2007, applicant RMBG, LLC #2 obtained approval of a replacement plan allowing the withdrawal of a portion of the Dawson aquifer water that was the subject of Determination of Water Right No. 573-BD. Specifically, that plan allowed the withdrawal of 2.30 acre-feet per year for a period of 300 years, consisting of 1.38 acre-feet of water per year from beneath the 9.55 acre Southern Parcel as described in Paragraph 1 (for use on the Southern Parcel), and 0.92 acre-feet per year from beneath the Northern Parcel (for use on the Proposed Filing No. 5 of the Northern Parcel as depicted on the attached Figure 1).
  - d. The applicant calculated actual depletions to the Upper Black Squirrel Creek and Kiowa-Bijou Alluvial Aquifers for the proposed withdrawals with a ground water flow model (AUG 3) using the Colorado State Engineer's (SEO) Dawson aquifer DA02 data file, the output of which presents depletions as a percentage of pumping and is attached hereto as Exhibit A. Staff has converted the percentage values to acre-feet per year amounts, the output of which is attached hereto as State's Exhibit A. The maximum combined depletions to both aquifers caused by the pumping of 7.9 acre-feet per year for 300 years will be 1.85% of pumping in the 300<sup>th</sup> year, which is equal to 0.15 acre-feet in that year.
  - e. Replacement of depletions is to be made to the Upper Black Squirrel Creek Alluvial Aquifer. The applicant plans to aggregate replacement water directly to the drainage of Black Squirrel Creek, which the subject property overlies at a point approximately nine miles up gradient of the Upper Black Squirrel Creek Alluvial Aquifer.
  - f. The source of replacement water would be septic system return flows from the existing care taker residence and commercial venue (restaurant and horse arena), which will be supplied water from wells permitted in accordance with the conditions of the subject determination and proposed replacement plan.

- i. The applicant applies estimated standard in-house use demand values (see July 17, 2007 Memorandum from the applicant) for the existing care-taker residence (which assume an occupancy of 4 persons). Based on these demand values, septic system return flows will contribute 0.27 acre-feet per year. At the maximum proposed levels of use, the commercial venture is estimated to contribute approximately 3.6 acre-feet per year via septic system return flows. Accepting septic system return flows as a replacement supply from both these sources is conditional upon the existing well being re-permitted to withdraw from the Dawson aquifer allocation (573-BD) pursuant to the subject replacement plan. Under the applicant's assumptions the return flows from the use of that well would exceed calculated depletions.
  - ii. The existing small capacity well serving the care-taker residence and the commercial business (permit no. 84139) will be re-permitted for the purposes of withdrawing water from the Dawson aquifer allocation pursuant to Determination of Water Right 573-BD and the subject replacement plan.
  - iii. A totalizing flow meter will be installed on each well withdrawing water pursuant to this replacement plan, and kept in good working order for the purpose of measuring withdrawals and calculating replacements made.
  - iv. The approved replacement plan will be recorded in the real property records of El Paso County.
- g. Operation of the replacement plan involves using existing septic systems. Operation of the septic systems in a manner that is in compliance with State and County health department standards would prevent unreasonable impairment of water quality of the receiving aquifer.
8. Records in this office indicate that the applicant controls the water right to be used as a source of replacement water, Determination No. 573-BD.
  9. In accordance with Sections 37-90-107.5 and 37-90-112, CRS, the application was published in The Ranchland News newspaper on April 19 and 26, 2007.
  10. No objections to the application were received within the time limit set by statute.
  11. The Commission Staff has evaluated the application pursuant to Section 37-90-107.5, CRS, and the requirements of Rule 5.3.6.2(C) and Rule 5.6 of the Designated Basin Rules.
  12. a. In accordance with Rule 5.6.2 of the Designated Basin Rules, the applicant shall have the burden of proving the adequacy of the plan in all respects.  
  
b. The Commission Staff shall propose any additional terms and conditions or limitations, which are necessary to prevent material injury and to ensure that the plan is administrable and enforceable. Any such terms and conditions or limitations are incorporated into the following Order of the Commission.
  13. Upon Commission approval of this replacement plan, well permits for wells to withdraw the authorized amount of water from the aquifer shall be available upon application, subject to the terms and conditions of the replacement plan and the conditions for well permit issuance in Determination of Water Right No. 573-BD, and subject to approval by the Commission.

14. Based on data and information supplied by the applicant, the subject replacement plan, if operated under the conditions of the following Order, will prevent material injury from occurring to the existing appropriators within the Upper Black Squirrel Creek Designated Ground Water Basin, or any other designated basin as a result of withdrawing ground water from the Dawson aquifer allocation pursuant to Determination of Water Right no. 573-BD.

#### ORDER

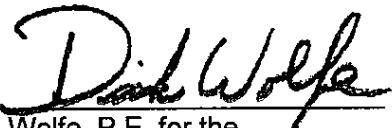
15. In accordance with Section 37-90-107.5, CRS, and the Designated Basin Rules, the Colorado Ground Water Commission orders that the application for replacement plan, to allow the withdrawal of 2,390 acre-feet of ground water from beneath the Northern Tract, as previously described, in accordance with Determination of Water Right No. 573-BD, is approved subject to the following conditions:
16. Well permits for the caretaker residence and commercial venue shall be available upon application subject to approval by the Commission and the conditions for well permit issuance in the Commission's Findings and Order of August 25, 2004, for Determination of Water Right No. 573-BD, and subject to the following terms and conditions of this replacement plan.
17. The applicant must apply for and obtain a new large capacity well permit for the existing well (currently permitted under No. 84139), to provide for its operation pursuant to this replacement plan.
18. A totalizing flow meter shall be installed on each well. The well owners shall maintain the meters in good working order. Permanent records of annual withdrawal of ground water shall be maintained by each well owner and provided to the Commission upon request.
19. The allowed annual amount of ground water to be withdrawn from the aquifer shall not exceed a total of 7.9 acre-feet. This amount will allow for a well(s) to provide 0.39 acre-feet per year for the caretaker residence (estimated at 0.30 AF/yr for indoor use and 0.09 AF/yr for irrigation) and 7.5 acre-feet per year for the commercial venue (estimated at 4.0 acre-feet per year for the restaurant, plus 1.8 acre-feet per year for irrigation purposes, and 1.7 acre-feet per year for the horse facility).
20. The allowed use of ground water for each new well permit may include in-house, commercial, irrigation, replacement, and domestic and commercial animal watering. Place of use for each well shall be limited to the above-mentioned 54.05 acre area.
21. A table showing total net annual depletions to the affected alluvial aquifer in acre-feet per year is attached hereto as State's Exhibit A. Depletions are based on a continuous annual withdrawal from the aquifer of 7.9 acre-feet. Replacement of depletions must be provided based on the acre-feet amounts shown in the table of State's Exhibit A. Replacement requirements may be computed on a pro-rated basis between each ten-year value, or for simplicity may be equal to the amount shown in next succeeding ten-year increment.

22. To assure adequate return flows, at least one well must be serving in-door care-taker or commercial uses in sufficient amounts so as to generate septic system return flows in amounts at least equal to the required replacements shown on State's Exhibit A, before any other uses are allowed to be served by any well.
23. Pumping under this plan is limited to a period of 300 years. The year of first use of this replacement plan shall be the calendar year that the existing small capacity well (Permit No. 84139) is re-permitted and brought into compliance with the conditions of operation of this replacement plan. No new permits will be issued until this is done.
24. Return flows from all in-door use of ground water shall occur through individual on lot non-evaporative septic systems constructed and operated to State and county health department standards.
25. The applicant must provide the required annual amount of replacement water for the first 100 years, or for as long as the wells operate pursuant to this plan, whichever is longer. All individual wells may not begin pumping concurrently. Should all wells cease pumping for residential or commercial use within the first 100 years, at least one well must either maintain pumping for replacement purposes, or an amended or alternate replacement plan must be applied for that will make the required replacement deliveries.
26. The applicant, or their successor, must maintain permanent records containing the following items:
  - a. A listing of all well permits issued and wells constructed pursuant to this plan
  - b. The annual and cumulative amounts of water diverted by each individual well and by all wells in total.
  - c. Whether each individual well is serving an occupied dwelling or a commercial business.
  - d. Whether each well is serving irrigated landscaping, and the amount of land being irrigated.
  - e. Whether each individual well is serving animals, and the number of head served.
  - f. The return flows occurring from in-door use of each well, assuming a 90% return flow rate for in-door use.
27. The applicant or their successor shall assure that replacement water is provided to the alluvium as is required under this plan. The amount of replacement water shall be calculated and reported on the accounting form acceptable to the Commission. The replacement water must equal or exceed the depletions to the alluvium on a yearly basis and must prevent any material injury to the water rights of other appropriators. No credit shall be claimed by the applicant for an oversupply of replacement water provided to the alluvium during previous years.
28. The applicant or their successor shall record and maintain permanent records of all totalizing flow meter readings, power meter readings and data concerning all other operations associated with the replacement plan, including but not limited to the items listed in paragraph 25, which are necessary to document replacement occurs on a yearly basis and to submit this information to the Commission on an annual basis for the calendar year just concluded by **February 15th** of the following year.



29. A copy of this Findings and Order shall be recorded by the applicant in the real property records of El Paso County, so that a title examination of the above described 69.72 acre property, or any part thereof, shall reveal to all future purchasers the existence of this replacement plan. The terms and conditions of this replacement plan shall be considered to be a covenant on and running with the subject property.
30. In the event the permitted wells are not operated in accordance with the conditions of this replacement plan, they shall be subject to administration, including orders to cease diverting ground water.
31. The Commission retains jurisdiction to modify or revoke approval of this replacement plan, if monitoring or operating experience reveals that the plan results in any material injury to water rights of other appropriators or in unreasonable impairment to water quality.

Dated this 17th day of August 2007.

  
Dick Wolfe, P.E. for the  
Executive Director  
Colorado Ground Water Commission


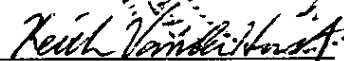
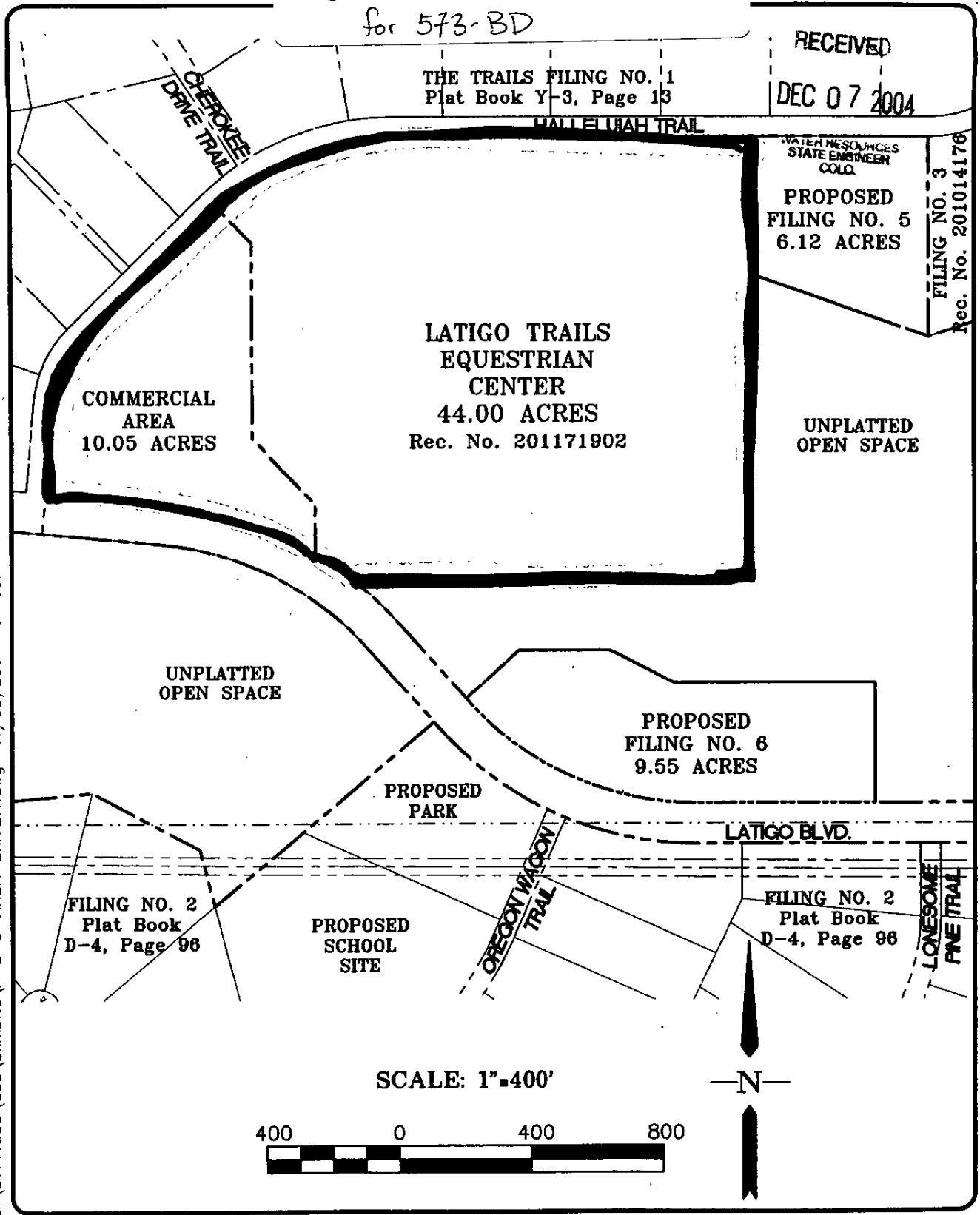
  
By:   
Keith Vander Horst, P.E.  
Supervisor, Designated Basins

Figure 1. Replacement Plan #2  
for 573-BD



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**URS**  
9960 Federal Drive, Suite 300  
Colorado Springs, CO 80921  
719.531.0001 fax: 719.531.0007

**LATIGO TRAILS  
COMMERCIAL AREA  
EQUESTRIAN CENTER  
PROPOSED FILING NO. 5  
PROPOSED FILING NO. 6**

Figure  
1

EXHIBIT A PAGE 1 OF 2  
 REPLACEMENT PLAN FOR 573 -DB

RECEIVED

APR 06 2007

WATER RESOURCES  
 STATE ENGINEER  
 COLO

Table 1  
 Latigo Trails Equestrian and Commercial Center  
 Dawson Aquifer Alluvial Depletion Factors  
 (as % of pumping)

YRS	Kiowa Creek	Black Squirrel Creek	Total
10	0.00	0.00	0.00
20	0.00	0.00	0.00
30	0.00	0.00	0.00
40	0.01	0.00	0.01
50	0.01	0.00	0.01
60	0.02	0.00	0.02
70	0.03	0.01	0.04
80	0.05	0.01	0.06
90	0.07	0.01	0.08
100	0.10	0.02	0.12
110	0.13	0.03	0.16
120	0.16	0.03	0.19
130	0.20	0.04	0.24
140	0.25	0.06	0.31
150	0.29	0.07	0.36
160	0.34	0.09	0.43
170	0.40	0.11	0.51
180	0.46	0.13	0.59
190	0.52	0.15	0.67
200	0.58	0.17	0.75
210	0.65	0.20	0.85
220	0.72	0.23	0.95
230	0.79	0.26	1.05
240	0.86	0.29	1.15
250	0.94	0.32	1.26
260	1.01	0.36	1.37
270	1.09	0.39	1.48
280	1.17	0.43	1.60
290	1.25	0.47	1.72
300	1.34	0.51	1.85

EXHIBIT A PAGE 2 OF 2  
REPLACEMENT PLAN FOR 573 -DB

Accounting Form  
Latiyo Trails Equestrian and Commercial Center  
Case 05-GW-

WATER RESOURCES  
STATE ENGINEER  
C.D.O.

RECEIVED  
APR 06 2007

Accounting Period		From				To			
		2304		2305					
Drawn Well	Water Reading	Base Use				Total			
		gal.	af	gal.	af	gal.	af	gal.	af
Well No.	Well Permit	This Oct 31	Last Oct 31	This Feb. 28/29	Last Dec. 1	col. a - col. b	col. c - col. d	col. a - col. b	col. c - col. d
		col. a	col. b	col. c	col. d				
(corn)						1.48		5.93	
(horses)								2	
1	Total					1.48		7.93	

Drawn Well		Alluvial Depletion	
		Alluvial Depletion Factor From Table 1 [ years since pumping began round up to nearest 10 yrs.]	
		+	1.85
		✓	100
	Total Withdrawal (1)	*	7.93
2	Depletion	=	0.15
	Total Base Use (1)	+	1.48
		*	4
		*	0.9
	Alluvial Return Flow	=	5.33
3	Net Accretion (Depletion)	(3)-(2)	5.18

Water Supply Summary				
	Total Withdrawal (1)	+	7.93	af
	Total Withdrawal Through Last Year [(5)]	+	2371.1	af
5	Total	=	2379.0	af
	Years Since Pumping Began	/	300	
	Average Annual Withdrawal	=	7.93	af/yr

Table 1  
(as %)

YRS	TOTAL	YRS	TOTAL
10	0.00	160	0.43
20	0.00	170	0.51
30	0.00	180	0.59
40	0.01	190	0.67
50	0.01	200	0.75
60	0.02	210	0.85
70	0.04	220	0.95
80	0.06	230	1.05
90	0.08	240	1.15
100	0.12	250	1.26
110	0.16	260	1.37
120	0.19	270	1.48
130	0.24	280	1.60
140	0.31	290	1.72
150	0.36	300	1.85

States Exhibit A  
 Replacement Plan for 573-BD  
 RMBG, LLC #2 and Pikes Peak Range Riders Foundation

Depletions and Required Delivery of Replacement Water

YRS (pumping 7.9 AF)	Upper Black Squirrel Creek (% of pumping)	Upper Black Squirrel Creek (AF/yr)	Kiowa- Bijou (% of pumping)	Kiowa- Bijou (AF/yr)	Total q/Q (% of Pumping)	Total (AF/yr)
10	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.01	0.00	0.01	0.00
50	0.00	0.00	0.01	0.00	0.01	0.00
60	0.00	0.00	0.02	0.00	0.02	0.00
70	0.01	0.00	0.03	0.00	0.04	0.00
80	0.01	0.00	0.05	0.00	0.06	0.00
90	0.01	0.00	0.07	0.01	0.08	0.01
100	0.02	0.00	0.10	0.01	0.12	0.01
110	0.03	0.00	0.13	0.01	0.16	0.01
120	0.03	0.00	0.16	0.01	0.19	0.02
130	0.04	0.00	0.20	0.02	0.24	0.02
140	0.06	0.00	0.25	0.02	0.31	0.02
150	0.07	0.01	0.29	0.02	0.36	0.03
160	0.09	0.01	0.34	0.03	0.43	0.03
170	0.11	0.01	0.40	0.03	0.51	0.04
180	0.13	0.01	0.46	0.04	0.59	0.05
190	0.15	0.01	0.52	0.04	0.67	0.05
200	0.17	0.01	0.58	0.05	0.75	0.06
210	0.20	0.02	0.65	0.05	0.85	0.07
220	0.23	0.02	0.72	0.06	0.95	0.08
230	0.26	0.02	0.79	0.06	1.05	0.08
240	0.29	0.02	0.86	0.07	1.15	0.09
250	0.32	0.03	0.94	0.07	1.26	0.10
260	0.36	0.03	1.01	0.08	1.37	0.11
270	0.39	0.03	1.09	0.09	1.48	0.12
280	0.43	0.03	1.17	0.09	1.60	0.13
290	0.47	0.04	1.25	0.10	1.72	0.14
300	0.51	0.04	1.34	0.11	1.85	0.15

# Water Resources Report\_v1.pdf Markup Summary

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Cloud+ (2)

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**Page Label:** 1  
**Author:** John Green  
**Date:** 12/17/2020 10:19:43 AM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Full Water Quality report is required and was not provided with this submittal



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**Subject:** Cloud+  
**Page Label:** 1  
**Author:** John Green  
**Date:** 12/17/2020 10:22:02 AM  
**Status:**  
**Color:** ■  
**Layer:**  
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The Water Resources report does not appear to prove water sufficiency for the two proposed lots. Please provide updated findings specific to this property.

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(1)

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FIGURE 2

**Subject:**  
**Page Label:** 4  
**Author:** Julia Murphy  
**Date:** 7/26/2020 2:48:13 PM  
**Status:**  
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**Layer:**  
**Space:**

FIGURE 2