

**Colorado Ground Water Commission**  
**Findings and Order**

In the matter of an application for a determination of a right to an allocation of groundwater in the Kiowa-Bijou Designated Groundwater Basin

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Determination No.: 4868-BD

Aquifer: Dawson

Applicant: Hardy Road Properties, LLC

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In compliance with section 37-90-107(7) of the Colorado Revised Statutes (“C.R.S.”), and the Rules and Regulations for the Management and Control of Designated Ground Water, 2 CCR 410-1 (“Designated Basin Rules”), Hardy Road Properties, LLC (“Applicant”) submitted an application to the Colorado Ground Water Commission (“Commission”) for a determination of a right to an allocation of designated groundwater from the Dawson Aquifer.

**Findings**

1. The application was received by the Commission on November 12, 2025.
2. The Applicant requests a determination of right to an allocation of designated groundwater (“Determination”) in the Dawson aquifer (“Aquifer”) underlying 19.39 acres, generally described as the E 1/2 of the SE 1/4 of the SW 1/4, Section 14, Township 11 South, Range 65 West, 6th P.M., in El Paso County (“Overlying Land”). According to a Nontributary Groundwater Landownership Statement dated February 11, 2026, attached hereto as Exhibit A, the Applicant owns the 19.39 acres of land, which are further described in said Ownership Statement, and claims control of the right to the groundwater in the Aquifer underlying the land.

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3. The Overlying Land is located within the boundaries of the Kiowa-Bijou Designated Groundwater Basin. The Commission has jurisdiction over the designated groundwater that is the subject of this Determination.
4. The Commission's Staff has evaluated the application relying on the claims to control of the groundwater in the Aquifer underlying the Overlying Land made by the Applicant.
5. The Applicant intends to apply the groundwater in the Aquifer underlying the Overlying Land to the following beneficial uses: domestic, livestock, irrigation (indoor and outdoor), recreation, fire suppression, wildlife, commercial, industrial, and replacement in support of such uses, either directly or after storage. The Applicant's proposed place of use of the groundwater in the Aquifer underlying the Overlying Land is the above described 19.39 acres of Overlying Land.
6. Pursuant to section 37-90-107(7)(a), C.R.S., and in accordance with the Designated Basin Rules, the Commission shall allocate the groundwater in the Aquifer underlying the Overlying Land on the basis of the ownership of the Overlying Land.
7. The amount of water in storage in the Aquifer underlying the 19.39 acres of Overlying Land claimed by the Applicant is 1,800 acre-feet. This determination was based on the following as specified in the Designated Basin Rules.
  - a. The average specific yield of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 20 percent.
  - b. The average thickness of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 465 feet.

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8. A review of the records in the Office of the State Engineer has disclosed that none of the groundwater in the Aquifer underlying the Overlying Land has been either previously determined to be allocated by the Commission, has been permitted for withdrawal by large capacity wells that have rights that were initiated prior to November 19, 1973 that are subject to section 37-90-107(7)(b), C.R.S., or has been permitted for withdrawal by existing small capacity wells withdrawing water under permits issued pursuant to section 37-90-105, C.R.S. The amount of designated groundwater in the Aquifer underlying the Overlying Land that is available for allocation in this Determination is 1,800 acre-feet.
9. Pursuant to section 37-90-107(7)(c)(III), C.R.S., an approved determination of a right to an allocation shall be considered a final determination of the amount of groundwater 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.
10. Pursuant to section 37-90-107(7)(d), C.R.S., the Commission has authority to issue well permits pursuant to subsection 107(7) (i.e. permits for large capacity wells) for the withdrawal of designated groundwater from the Aquifer. Pursuant to section 37-90-107(7)(a), C.R.S. the Commission shall adopt the necessary rules to carry out the provisions of subsection (7). Pursuant to section 37-90-111(h), C.R.S., the Commission is empowered to adopt rules necessary to carry out the provisions of Article 90 of Title 37. In accordance with that authority, the Commission has adopted the Designated Basin Rules.
11. Large capacity well permits issued pursuant to section 37-90-107(7), C.R.S. are subject to the following provisions of statute and the Designated Basin Rules.

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- a. Pursuant to section 37-90-107(7)(a), C.R.S. well permits issued pursuant to subsection 107(7) shall allow withdrawals on the basis of an aquifer life of one hundred years. The 1,800 acre-feet of water in the Aquifer underlying the Overlying Land available for allocation in this Determination, if permitted for withdrawal by large capacity wells on the basis of an aquifer life of one hundred years, would result in an allowed average annual amount of withdrawal of 18 acre-feet per year.
- b. Any amounts of groundwater in the Aquifer allocated in this Determination that are permitted for withdrawal pursuant to section 37-90-105, C.R.S., by small capacity well permits issued after the issuance of this Determination reduce the amount of water, and the allowed average annual amount of withdrawal, that may be withdrawn by wells permitted pursuant to section 37-90-107(7), C.R.S.
- c. In accordance with Rule 5.3.6 of the Designated Basin Rules, it has been determined that withdrawal of groundwater from the Aquifer underlying the Overlying Land will, within one hundred years, deplete the flow of a natural stream or an alluvial aquifer at an annual rate greater than one-tenth of one percent (0.1%) of the annual rate of withdrawal and, therefore, the groundwater in the Aquifer underlying the Overlying Land is considered to be not-nontributary groundwater as defined in Rule 4.2.23 of the Designated Basin Rules. Withdrawal of water from the Aquifer underlying the Overlying Land would impact the alluvial aquifer of the Kiowa-Bijou Designated Groundwater Basin, 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, that provides for the replacement of the actual depletion to the alluvial aquifer and is adequate to prevent any material injury to existing water rights of other appropriators, is required prior to approval of well permits for wells to be located on this land area to withdraw the groundwater in

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the Aquifer underlying the Overlying Land. Pursuant to the Rules the replacement plan shall provide for the depletion of the 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, assuming water table conditions in the Aquifer.

12. Pursuant to section 37-90-105(1), C.R.S., the State Engineer has the authority to approve small capacity well permits. While water withdrawn from the Aquifer from beneath the Overlying Land by small capacity wells may consist of the groundwater allocated herein, the Commission recognizes that in approving small capacity permits the State Engineer is not bound by the terms and conditions of this Determination, and may approve small capacity permits based on standards and with such conditions as the State Engineer considers appropriate.
13. The ability of wells permitted to withdraw the authorized amount of water from this nonrenewable 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.
14. In accordance with sections 37-90-107(7)(c)(II), C.R.S. and 37-90-112, C.R.S., the application was published in the Ranchland News newspaper on April 2, 2026 and April 9, 2026. No objections to the application were received within the time limit set by statute.

### Order

In accordance with section 37-90-107(7), C.R.S. and the Designated Basin Rules, the Commission hereby determines a right to an allocation of designated groundwater in the Dawson Aquifer underlying 19.39 acres of land, generally described as the E 1/2 of the SE 1/4 of the SW 1/4, Section 14, Township 11 South,

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Range 65 West, 6th P.M., further described in Exhibit A, subject to the following conditions.

15. The amount (i.e. volume) of water in the Aquifer underlying the 19.39 acres of Overlying Land allocated herein is 1,800 acre-feet (“Underlying Groundwater”).
16. The amount (i.e. volume) of Underlying Groundwater allocated herein shall be considered final, 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, if such information indicates that the initial estimate of the amount of Underlying Groundwater in the Aquifer was incorrect.
17. Approval of this Determination meets the requirements of section 37-90-107(7)(d)(II), C.R.S., that requires a determination of groundwater to be withdrawn by a well be made prior to the granting of a well permit pursuant to section 37-90-107(7), C.R.S.
18. Well permits issued pursuant to section 37-90-107(7), C.R.S., (i.e. large capacity wells) and this Determination are subject to the following conditions.
  - a. The total amount of Underlying Groundwater that may be withdrawn from the Aquifer by all large capacity wells permitted pursuant to this Determination may not exceed a volume 1,800 acre-feet, less any amount of the Underlying Groundwater allocated herein permitted to be withdrawn by small capacity wells issued permits pursuant to section 37-90-105, C.R.S. after the issuance of this Determination. The amounts of water permitted to be withdrawn by such small capacity wells shall be considered to be one-hundred times the annual withdrawals permitted to be withdrawn by those wells.

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- b. The allowed average annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water shall be equal to the volume of water permitted to be withdrawn by that well (or well field) divided by one-hundred years.
- c. The allowed maximum annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water may exceed the allowed average annual amount of withdrawal allowed by the well permit(s) as long as the total volume of water withdrawn by such well(s) does not exceed the product of the number of years since the date(s) of issuance of the well permit(s) times the allowed average annual amount of withdrawal allowed by the well permit(s).
- d. The Applicant may pump the allowed average annual amount of withdrawal and the allowed maximum annual amount of withdrawal from one or more wells of a well field in any combination, so long as the total combined withdrawal of the wells does not exceed the amounts described in this Order.
- e. Commission approval of a replacement plan, that provides for the replacement of the actual depletion to the alluvial aquifer and is adequate to prevent any material injury to existing water rights of other appropriators in the alluvial aquifer, is required prior to approval of well permits that allow the withdrawal of the Underlying Groundwater. The replacement plan shall provide for the depletion of the 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, assuming water table conditions in the Aquifer.
- f. The use of the Underlying Groundwater shall be limited to the following beneficial uses: domestic, livestock, irrigation (indoor and outdoor), recreation, fire suppression, wildlife, commercial, industrial, and

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replacement in support of such uses, either directly or after storage. The place of use and place of storage of the Underlying Groundwater shall be limited to the above described 19.39 acres of Overlying Land. The Underlying Groundwater that is the subject of this Determination may be reused and successively used to extinction to the extent dominion and control over the water is maintained and its volume can be distinguished from the volume of any stream system into which it is introduced to the satisfaction of the Commission.

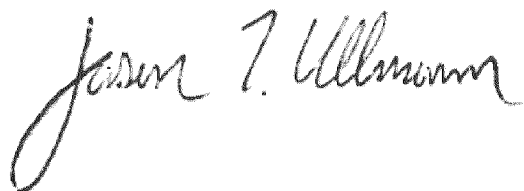
- g. The wells must be located on the above described 19.39 acres of Overlying Land.
- h. No well shall be located within 600 feet of any existing large-capacity well in the same Aquifer unless a Waiver of Claim of Injury is obtained from the owner of the existing well or unless the Commission, after a hearing, finds that circumstances in a particular instance warrant that a well may be permitted without regard to this limitation.
- i. The wells must be constructed to withdraw water from only the Dawson Aquifer.
- j. The entire depth of each well must be geophysically logged prior to installing the casing in the same manner as set forth in Rule 9 of the Statewide Nontributary Ground Water Rules, 2 CCR 402-7.
- k. 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 permanently maintained by the well owner and submitted to the Commission upon request.

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- l. The well shall be marked in a conspicuous place with this determination number, the well permit number, and the name of the Aquifer. The well owner shall take necessary means and precautions to preserve these markings.
19. A copy of this Determination shall be recorded by the Applicant in the public records of the county in which the Overlying Land is located so that a title examination of the above described 19.39 acres of Overlying Land area, or any part thereof, shall reveal the existence of this Determination.
20. The right to an allocation of designated groundwater determined herein is a vested property right with specific ownership. Some or all of the water right may be transferred independent of the land under which the right originated. Any action taken that is intended to convey, transfer, and/or sell the subject water right shall explicitly identify this Determination number, the specific Aquifer, and the total amount (i.e. volume) of the right that is being conveyed.

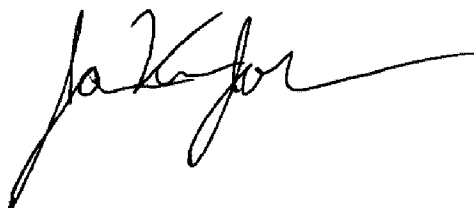
Dated this 20th day of May, 2026.



Jason T. Ullmann, P.E.

Executive Director

Colorado Ground Water Commission



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Javier Vargas-Johnson  
Chief of Water Supply, Designated Basins

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Prepared by: mbm

**Colorado Ground Water Commission**  
**Findings and Order**

In the matter of an application for replacement plan to allow the withdrawal of groundwater from the Dawson aquifer in the Kiowa-Bijou Designated Groundwater Basin

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Replacement Plan No. 4868-RP

For Determination of Water Right No. 4868-BD

Aquifer: Dawson

Applicant: Hardy Road Properties, LLC

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In compliance with section 37-90-107.5 of the Colorado Revised Statutes (“C.R.S.”) and the Rules and Regulations for the Management and Control of Designated Ground Water, 2 CCR 410-1 (“Designated Basin Rules”), Hardy Road Properties, LLC (“Applicant”) submitted an application for a replacement plan to allow the withdrawal of groundwater from the Dawson Aquifer that has been allocated by Determination of Water Right No. 4868-BD.

**Findings**

1. Pursuant to section 37-90-107(7), C.R.S., in a Findings and Order dated May 20, 2026, the Ground Water Commission (“Commission”) approved a Determination of a Right to an Allocation of Groundwater, No. 4868-BD, from the Dawson Aquifer (“Aquifer”), summarized as follows.
  - a. The determination quantified an amount of water from beneath 19.39 acres of overlying land generally described as the E 1/2 of the SE 1/4 of the SW 1/4, Section 14, Township 11 South, Range 65 West, 6th P.M., in El Paso County (“Overlying Land”).

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- b. The amount of water in the aquifer that was allocated was 1,800 acre-feet, and the allowed average annual amount of groundwater to be withdrawn from the aquifer was limited to 18 acre-feet per year (subject to adjustment by the Commission to conform to actual local aquifer characteristics).
        - c. The use of groundwater is limited to the following beneficial uses: domestic, livestock, irrigation (indoor and outdoor), recreation, fire suppression, wildlife, commercial, industrial, and replacement in support of such uses, either directly or after storage.
        - d. Withdrawal of the subject groundwater 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, the groundwater is considered to be not-nontributary, and 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 withdraw the subject groundwater.
2. The subject water is Designated Groundwater located within the boundaries of the Kiowa-Bijou Designated Groundwater Basin. The Commission has jurisdiction over the withdrawal of the water by large capacity wells that are permitted pursuant to section 37-90-107(7), C.R.S.
3. Withdrawal of the subject groundwater would deplete the alluvial aquifer of the Kiowa-Bijou Designated Groundwater Basin, the alluvial aquifer of the Upper Big Sandy Designated Groundwater Basin and the alluvial aquifer of the Upper Black Squirrel Creek Designated Groundwater Basin, all of which, according to Rules 5.2.4.2, 5.2.7.2 and 5.2.6.2, respectively, have been determined to be over appropriated. Such depletion would unreasonably

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impair existing large capacity alluvial rights withdrawing water from those alluvial aquifers.

4. Pursuant to Rule 5.6.1.A this plan must be adequate to prevent any material injury to water rights of other appropriators, which for purposes of this plan means large capacity wells withdrawing water from the alluvial aquifer of the Kiowa-Bijou Designated Groundwater Basin, the alluvial aquifer of the Upper Big Sandy Designated Groundwater Basin and the alluvial aquifer of the Upper Black Squirrel Creek Designated Groundwater Basin.
5. Pursuant to Rule 5.3.6.2(C) 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.
6. The application for the replacement plan was received by the Commission on November 12, 2025.
7. The Applicant proposes to divert 2 acre-feet annually from the Dawson Aquifer for a period of 300 years. The Dawson aquifer water will be withdrawn through 2 wells to supply 2 residential lots (a third lot will remain undeveloped after subdivision, with no residence on it). Both wells are anticipated to pump a maximum 1.0 acre-foot, for inside uses inside two single-family dwellings with the remaining water pumped used for accessory uses on each lot, including landscape, lawn and garden irrigation and for domestic animal watering and livestock. The land on which the wells will be located is the Overlying Land described above.
8. At a continuous withdrawal of 2 acre-feet annually for 300 years, depletions to the alluvial aquifer systems of the Kiowa-Bijou Designated Groundwater Basin, Upper Big Sandy Designated Groundwater Basin and Upper Black Squirrel Creek Designated Groundwater Basin would steadily increase to 0.069

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acre-feet per year in the 300th year, which is equal to 3.46% of pumping, as shown in Exhibit A.

9. The Applicant proposes to provide 0.18 acre-feet per year of replacement water to the alluvial aquifer system of the Kiowa-Bijou Designated Groundwater Basin. The proposed source of replacement water is septic and leaching field return flows from the in-house use of the groundwater to be pumped under the plan. The Applicant estimates that return flows from each lot will consist of 90% of the water used for in-house purposes. Assuming a total minimum annual amount for in-house use of 0.20 acre-feet, the return flow would be 0.18 acre-feet annually, and the return flows under the plan will total 0.36 acre-feet per year for the 2 lots at full build out.
10. The subject property is located within the drainage of Kiowa Creek, and the return flows will flow to the alluvial aquifer of the Kiowa-Bijou Designated Groundwater Basin. The Applicant proposes to aggregate all replacements to the drainage in which the well or wells will operate, in accordance with Guideline 2007-1.
11. Pursuant to Rule 5.6.1.B this plan must be adequate to prevent unreasonable impairment of water quality. Pursuant to Rule 5.6.1.B.1.b, if the replacement source water is from an onsite wastewater treatment system permitted by a local health agency and the applicant demonstrates the source is in compliance with that permit there shall be a rebuttable presumption of no unreasonable impairment of water quality.
12. Pursuant to Rule 5.6.1.C this plan, including the proposed uses of the water withdrawn pursuant to the plan, must not be speculative, and must be technically and financially feasible and within the Applicant's ability to complete. The plan, including the proposed uses of the water withdrawn pursuant to the plan, is not speculative. The plan appears technically and financially feasible and within the Applicant's ability to complete.

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13. Pursuant to Rule 5.6.1.D this plan must be able to be operated and administered on an ongoing and reliable basis. The plan appears to be able to be operated and administered on an ongoing and reliable basis.
14. Pursuant to Rule 5.6.1.F replacement source water must be physically and legally available in time, place and amount to prevent material injury. As determined in Determination of Water Right No. 4868-BD water is currently available in the amounts and for the number of years proposed to be diverted.
15. Pursuant to Rule 5.6.1.G the replacement source water must be legally available for use. Records in this office indicate that the Applicant controls the water right to be used as the source of replacement water, consisting of Determination of Water Right No. 4868-BD, and such water is legally available for use pursuant to this plan.
16. In accordance with sections 37-90-107.5, C.R.S. and 37-90-112, C.R.S., the application was published in the Ranchland News newspaper on April 2, 2026 and April 9, 2026. No objections to the application were received within the time limit set by statute.
17. According to Rule 5.6.1:
  - a. The Applicant has the burden of proving the adequacy of the plan in all respects.
  - b. If the applicant meets its burden of proof, the Commission shall grant approval of the plan which shall include any terms and conditions established by the Commission.
18. The Commission Staff, having evaluated the application pursuant to section 37-90-107.5, C.R.S. and the requirements of Rule 5.3.6.2(C) and Rule 5.6, finds that the requirements have been met, and the plan may be approved to

Replacement Plan No. 4868-RP, Determination No. 4868-BD  
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allow diversions from the Dawson Aquifer if operated subject to the conditions given below.

### Order

In accordance with section 37-90-107.5, C.R.S., and the Designated Basin Rules, the Colorado Ground Water Commission orders that the application for a replacement plan to allow the withdrawal of groundwater from the Dawson Aquifer underlying 19.39 acres that are the subject of Determination of Water Right no. 4868-BD is approved subject to the following conditions:

19. The Dawson aquifer water will be withdrawn through 2 wells to supply 2 residential lots (a third lot will remain undeveloped after subdivision, with no residence on it). Both wells are anticipated to pump a maximum 1.0 acre-foot, for inside uses inside two single-family dwellings with the remaining water pumped used for accessory uses on each lot, including landscape, lawn and garden irrigation and for domestic animal watering and livestock. The land on which the wells will be located is the Overlying Land described above.
20. The allowed annual amount of groundwater to be withdrawn from the Aquifer by all wells operating under this plan shall not exceed 2 acre-feet.
21. A totalizing flow meter shall be installed on each well. The well owner shall maintain the meter in good working order.
22. Permanent records of all withdrawals of groundwater from each well shall be recorded at least annually by the well owners, permanently maintained, and provided to the Commission on forms acceptable to the Commission, on an annual basis for the previous calendar year, by February 15<sup>th</sup> of the following year, or more often upon request.
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 of construction of a

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well permitted pursuant to this plan or permitting of an existing well pursuant to the plan.

24. Return flows from in-house use of groundwater shall occur through individual on-lot non-evaporative septic systems located within the 19.39 acres of Overlying Land that are the subject of Determination of Water Right No. 4868-BD. The septic systems must be constructed and operated in compliance with a permit issued by a local health agency.
25. Replacement of depletions must be provided annually in the acre-feet amounts shown in Exhibit A. Annual replacement requirements may be computed by pro-rating between the values given on Exhibit A, or for simplicity may be taken as the amount shown in the next succeeding 5 year increment.
26. The Applicant or their successor(s) are responsible for ensuring that replacement water is provided to the alluvial aquifer as required by this plan. The annual replacement requirement and the annual amount of replacement water provided shall be calculated and reported on a form acceptable to the Commission. The annual amount of replacement water provided must be no less than the annual replacement requirement on a yearly basis. No credit shall be claimed by the Applicant for an oversupply of replacement water provided to the alluvium during previous years.
27. The Applicant must provide the required annual amount of replacement water for the first 100 years, or for as long as a well is operated pursuant to this plan, whichever is longer.
28. 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 of the wells.

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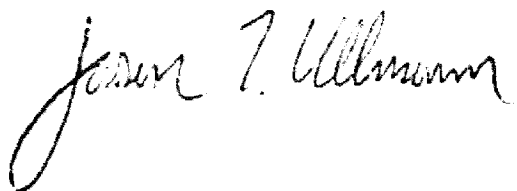
29. The Applicant or their successor(s) must gather and maintain permanent records of all information pertaining to operation of this plan, which shall include, but is not limited to, those items identified below. The Applicant must submit records to the Commission on forms acceptable to the Commission, on an annual basis for the previous calendar year, by February 15<sup>th</sup> of the following year, or more often upon request. The Applicant or their successor(s) must provide combined accounting for all wells operated under this replacement plan on a single accounting form, unless otherwise approved by the Commission.
  - a. Identification of all well permits issued and wells constructed under this plan.
  - b. The amount of water diverted by each well and all wells in total, both annually and cumulatively since operation of the plan began.
  - c. The number of occupied dwellings served by each well.
  - d. The return flows occurring from use of all wells operating under the plan, assuming 0.18 acre-feet per year per occupied single family dwelling (90% of the water used for in-house purposes) enters the alluvial aquifer as replacement water.
30. Any other information the Commission deems relevant and necessary to operation, monitoring, accounting, or administration of the plan.
31. The Applicant or their successor(s) are fully responsible for the operation, monitoring, and accounting of the replacement plan. In the event a lot with a well permitted or operating pursuant to this plan is sold, identification of the well that was sold and evidence that the new owner has been notified of their responsibilities under the replacement plan shall accompany that year's accounting.

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32. Should the property be subdivided, any covenants adopted for the subdivision should contain a description of the replacement plan, including the limitations on diversions and use of water for each well and lot, the requirement to meter and record all well pumping, and information on how records are to be reported and the plan is to be administered.
33. In the event the permitted well or wells are not operated in accordance with the conditions of this replacement plan, they shall be subject to administration, including orders to cease diverting groundwater.
34. All terms and conditions of Determination of Water Right No. 4868-BD must be met.
35. Pursuant to Rule 5.6.1.E, a copy of this Findings and Order shall be recorded by the Applicant in the clerk and recorder's records of El Paso County, so that a title examination of the land on which the structures involved in this plan are located reveals the existence of this plan.

Dated this 20th day of May, 2026.



Jason T. Ullmann, P.E.

Executive Director

Colorado Ground Water Commission



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Javier Vargas-Johnson  
Chief of Water Supply, Designated Basins

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Prepared by: mbm

Exhibit A  
Replacement Plan - Determination No.: 10046069-BD  
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Designated Basin Summary Table for Hardy Road Properties, LLC Pumping Rate of 2 acre-feet per year for 300 Years from the Dawson aquifer Section(s): Section 14, T11S, R65W, 6th P.M.							
Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)	Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)
5	2.0	0.0000	0.00	155	2.0	0.0310	1.55
10	2.0	0.0001	0.01	160	2.0	0.0323	1.62
15	2.0	0.0003	0.02	165	2.0	0.0337	1.68
20	2.0	0.0006	0.03	170	2.0	0.0351	1.75
25	2.0	0.0011	0.05	175	2.0	0.0364	1.82
30	2.0	0.0016	0.08	180	2.0	0.0378	1.89
35	2.0	0.0022	0.11	185	2.0	0.0391	1.96
40	2.0	0.0030	0.15	190	2.0	0.0405	2.02
45	2.0	0.0038	0.19	195	2.0	0.0418	2.09
50	2.0	0.0047	0.23	200	2.0	0.0432	2.16
55	2.0	0.0057	0.28	205	2.0	0.0445	2.23
60	2.0	0.0067	0.33	210	2.0	0.0459	2.29
65	2.0	0.0078	0.39	215	2.0	0.0472	2.36
70	2.0	0.0089	0.44	220	2.0	0.0485	2.43
75	2.0	0.0101	0.50	225	2.0	0.0499	2.49
80	2.0	0.0112	0.56	230	2.0	0.0512	2.56
85	2.0	0.0125	0.62	235	2.0	0.0525	2.62
90	2.0	0.0137	0.69	240	2.0	0.0538	2.69
95	2.0	0.0150	0.75	245	2.0	0.0551	2.76
100	2.0	0.0163	0.81	250	2.0	0.0564	2.82
105	2.0	0.0176	0.88	255	2.0	0.0577	2.89
110	2.0	0.0189	0.94	260	2.0	0.0591	2.95
115	2.0	0.0202	1.01	265	2.0	0.0604	3.02
120	2.0	0.0215	1.08	270	2.0	0.0616	3.08
125	2.0	0.0229	1.14	275	2.0	0.0629	3.15
130	2.0	0.0242	1.21	280	2.0	0.0642	3.21
135	2.0	0.0256	1.28	285	2.0	0.0655	3.27
140	2.0	0.0269	1.35	290	2.0	0.0668	3.34
145	2.0	0.0283	1.41	295	2.0	0.0680	3.40
150	2.0	0.0296	1.48	300	2.0	0.0693	3.46

Created by Mike Matz on January 26, 2026

Values for 'Depletion as a % of Pumping' (q/Q) are not calculated when the pumping rate (Q) is changed to anything but zero