



COLORADO
Division of Water Resources
Department of Natural Resources

November 1, 2021

Joshua Oliver
Environmental Manager
Brannan Sand and Gravel Company, LLC

RE: Trout Valley Ranch Substitute Water Supply Plan (WDID 2302537, Plan ID 5900)
Trout Valley Ranch, DRMS Permit No. M-2016-080 (WDID 2307166)
Sections 2, 3, 10, and 11, T10S, R77W, 6th P.M.
Water Division 1, Water District 23, Park County

Approval Period: November 1, 2021 through October 31, 2022
Contact Information for Mr. Oliver: 303-853-5159; joliver@brannan1.com

Dear Mr. Oliver:

We have reviewed your letter dated August 30, 2021 requesting renewal of the above referenced substitute water supply plan ("SWSP") for Brannan Sand and Gravel Company ("Brannan" or "Applicant") in accordance with section 37-90-137(11), C.R.S., to cover depletions associated with the Trout Valley Ranch sand and gravel mining operation. The required renewal fee of \$257 has been submitted (receipt no. 10015056). The SWSP for this site was initially approved on June 19, 2017 and most recently renewed on May 29, 2019 for operations through October 31, 2021.

SWSP Operation

The Trout Valley Ranch site consists of 472.3 acres located approximately 1 mile south of Fairplay, Colorado. A portion of the property was mined for gold in the early 20th century by a dredge, leaving behind large piles of washed rock. The Applicant intends to continue to mine these piles for sand and gravel, along with some areas not previously dredge mined. Mining of the site began in July of 2017 and is anticipated to continue for at least 50 years. No mining will take place below the groundwater table under this SWSP. A small groundwater pond has been excavated to provide water for mining operations at the site. Consumptive use at the Trout Valley Ranch during this plan period will consist of evaporation from the exposed surface area of the pond, wash water for the wash plant, evaporation from the recirculation pond, and water used for dust control purposes. Evaporative depletions will be replaced under the augmentation plan decreed in Division 1 Water Court case no. W-7538 and are included herein for informational purposes only. Replacement water for all other consumptive use at the site will be provided via a lease between the Applicant and North Fork Associates, LLC and Mountain Mutual Reservoir Company.



Depletions

The Applicant has excavated a small groundwater pond, known as the Freshwater Pond or Gravel Well, to supply water for mining operations at the site. The Freshwater Pond was excavated to a depth of approximately 10 feet below the groundwater table, with a surface area of 0.49 acres (21,344 square feet) and a porosity of 0.3. The material excavated from below the groundwater table created a groundwater depletion due to the “first fill”. The “first fill” is the water that fills an unlined pit or pond and occupies the volume previously occupied by the removed sand, gravel, or other solid material. A depletion of 3.43 acre-feet for the first fill was accounted for in July 2017 and is included in the lagged depletions for this SWSP period.

The Freshwater Pond is connected to a Recirculation Pond which captures process water for reuse on site. The combined surface area of the two ponds are proposed to be limited to a maximum of 2.8 acres for this plan period. As indicated above, evaporative depletions from the exposed surface area of the ponds will be replaced under the augmentation plan decreed in case no. W-7538. Case no. W-7538 covers evaporative depletions from up to 40 acres of exposed water surface in placer ponds on property located in parts of Sections 2, 3, 4, 10, and 11, Township 10 South, Range 77 West of the 6th P.M. Evaporative depletions are replaced under case no. W-7538 using 100 acre-feet of developed water issuing from the lower tunnel of the London Mine. Based on a letter from Quantum Water & Environment dated July 31, 2019, the current surface area of the fishing (former placer) ponds is 36.2 acres. So long as the total exposed water surface area of all the placer ponds does not exceed 40 acre-feet, evaporative depletions from Brannan’s ponds may be covered under case no. W-7538. Therefore, the combined surface area of the Freshwater Pond and Recirculation Pond may not exceed 3.8 acres (40 acres - 36.2 acres) during this plan period.

You have estimated that 750,000 tons of mined material will be removed from the site during this plan period. For the purposes of this SWSP, you have assumed that 50% of the mined material will be washed. The material mined above the water table and not washed has a moisture content of 2% of the mined material by weight, but none of the moisture is a groundwater diversion. The material mined above the water table that is washed will have a 4% moisture content, of which 2% is from the soil profile and 2% is from the groundwater used for washing. This results in a consumptive use of approximately 4.79 gallons per ton, or 5.52 acre-feet per year for the 375,000 tons of washed material.

Dust control during crushing and screening will use approximately 2.28 gallons of groundwater per ton, or 5.25 acre-feet of water per year for the 750,000 tons of material anticipated to be mined during this plan period.

You have estimated that an additional 5.20 acre-feet of water will be required during this plan period for dust control along unpaved roads, non-vegetated product stockpiles, and disturbed areas. All water used for dust control purposes is assumed to be 100% consumed.

Total non-evaporative consumptive use is projected to equal 15.97 acre-feet for this plan period. The monthly depletions were lagged from the Freshwater Pond to the Middle Fork of the South Platte River in Section 2, Township 10 South, Range 77 West of the 6th P.M. using the Alluvial Water Accounting System (AWAS) program developed by the Integrated Decision Support (IDS) Group at Colorado State University with the following parameters:

- Distance from the centroid of the pond to the river (X) = 3,400 feet
- Specific yield (S) = 0.16
- Transmissivity (T) = 58,900 gallons per day per foot

Lagged depletions resulting from the use of groundwater at the site for purposes other than evaporation are estimated to total 12.26 acre-feet for this plan period. A monthly breakdown of projected consumptive use and lagged depletions is shown in the attached Table 1.

The AWAS results calculated by the Applicant are slightly higher than the results obtained by this office using the provided aquifer parameters and consumptive use. In addition, a review by the Division of Water Resources' hydrogeological staff indicated that a transmissivity of 42,400 gallons per day per foot may be more appropriate for the area. However, the replacements proposed to be provided by the Applicant are greater than the depletions calculated by this office using the recommended transmissivity value, and therefore the Applicant's values have been accepted for the purposes of this SWSP.

Replacements

As previously discussed, evaporative depletions from the exposed surface area of the Freshwater Pond and Recirculation Pond will be replaced under the augmentation plan decreed in case no. W-7538. Depletions from water retained in the mined product after washing and water used for dust control purposes will be replaced using leased replacement water.

The Applicant has entered into an agreement dated October 4, 2021 with North Fork Associates, LLC and Mountain Mutual Reservoir Company for the lease of an annual amount of 15.3 acre-feet of replacement water, with the option of leasing an additional 10.0 acre-feet. The term of the lease is November 1, 2021 through October 31, 2022, with the option of leasing replacement water for two additional one-year periods.

The water rights available pursuant to the lease include: 1) fully consumable water attributable to the Slaght Ditch (WDID 8000660) and Mack Ditch No. 2 (WDID 8000661) water rights as quantified and decreed in case no. 2003CW238 (located on the North Fork of the South Platte River); 2) fully consumable water attributable to the Nickerson No. 2 Ditch (WDID 8000797), Parmalee No. 1 Ditch (WDID 8000790), and Carruthers No. 2 Ditch (WDID 8000789) water rights as quantified and decreed in case no. 2000CW174 and all located on Deer Creek, a tributary to the North Fork of the South Platte River; 3) fully consumable water attributable to the Guiraud 3T Ditch (WDID 2300679), located on the Middle Fork of the South Platte River downstream of the point of depletion, previously quantified and changed in various decrees; and 4) fully consumable water stored in Lower Sacramento Creek Reservoir No. 1 (WDID 2304494) located on Sacramento Creek, upstream of the point of diversion in Section 32, T9S, R77W, pursuant to the decree in case no. W-7741-74. The water quantified and decreed in case nos. 2000CW174 and 2003CW238 may also be stored in Maddox Reservoir (WDID 8003929), located on the North Fork of the South Platte River, and released from Maddox Reservoir for use in this SWSP. Reservoir accounting is required for the proper administration of such water diverted to storage and stored for later release. Replacement water will be delivered at the headgates of the referenced ditches and/or the outlets of the referenced reservoirs. To the extent that the decreed place of use of any of the leased water rights conflict with the proposed

place of use, this SWSP constitutes approval of a change of place of use of the leased water to allow for use at the location of the Trout Valley Ranch mining operation or upstream of the calling right.

It is the responsibility of the Applicant to ensure that replacement water is provided in time, place, and amount. Replacements may be provided downstream of the point of depletion but must be provided upstream of the calling water right. The Applicant must notify the District 23 and District 80 water commissioners at least 48 hours prior to making replacement deliveries. The applicant is required to obtain the water commissioner's approval on a daily basis or as required by the water commissioner. Use of water originating on Deer Creek or the North Fork of the South Platte River to replace depletions on the Middle Fork of the South Platte River will require that any exchange/substitution operate in priority under administrative authority. Such substitution/exchange may only occur when: 1) there is a live stream between the point of depletion on the Middle Fork of the South Platte River and the confluence of the North Fork of the South Platte River with the mainstem of the South Platte River, after accounting for transit losses from the measurement station on Deer Creek down to the confluence, and 2) there is not an intervening calling right between the point of depletion and the confluence of the North Fork of the South Platte River with the mainstem of the South Platte River.

Long Term Augmentation

All sand and gravel mining operators must comply with the requirements of the Colorado Reclamation Act and the Mineral Rules and Regulations for the protection of water resources. The Colorado Division of Reclamation, Mining, and Safety ("DRMS") requires that you provide information to demonstrate you can replace long term injurious stream depletions that result from mining-related exposure of groundwater. Upon completion of mining operations and reclamation, there will be no permanent groundwater exposure and the site will be reclaimed to rangeland. A total bond amount of \$415,073, which includes the cost of backfilling the pond(s), has been set by DRMS and obtained by the Applicant. In addition, evaporative depletions from up to 3.8 acres of exposed groundwater at the site may be replaced under the augmentation plan decreed in case no. W-7538.

Conditions of Approval

I hereby approve the proposed SWSP in accordance with section 37-90-137(11), C.R.S., subject to the following conditions:

1. This SWSP shall be valid for the period of November 1, 2021 through October 31, 2022 unless otherwise revoked or superseded by decree. If this SWSP will not be made absolute by a water court action by the SWSP expiration date, a renewal request must be submitted to this office with the statutory fee (currently \$257) no later than September 1, 2022. If a renewal request is received after the expiration date of this plan, it may be considered a request for a new SWSP, in which case a \$1,593 filing fee will apply.
2. Well permit no. 81022-F has been obtained for the current use and exposed surface area of the gravel pit in accordance with sections 37-90-137(2) and (11), C.R.S., in conjunction with this plan.

3. The total surface area of the groundwater exposed in the Freshwater Pond and Recirculation Pond must not exceed 3.8 acres. Should the exposed water surface area exceed this amount, or if the total amount of exposed surface area in all of the placer ponds exceed 40 acres, a new SWSP will need to be obtained from this office to cover the evaporative depletions unable to be covered under the augmentation plan decreed in case no. W-7538.
4. The amount of water used at the Trout Valley Ranch during this plan period, excluding evaporation, is limited to 15.97 acre-feet per year (estimated based on 750,000 tons product mined per year of which 50% is washed, resulting in 5.52 acre-feet of water removed with the mined product and 5.25 acre-feet of water used for processing per year, and 5.20 acre-feet of water used for additional dust control at the site per year). Total non-evaporative consumption at the Trout Valley Ranch must not exceed 15.97 acre-feet per year unless a new SWSP is obtained.
5. The Applicant must replace all lagged depletions resulting from operation under this SWSP, including those lagged depletions that occur to the stream after the expiration date of this SWSP. The Applicant must renew and maintain a valid SWSP until all lagged depletions resulting from operation under this SWSP have been fully replaced in time, location, and amount.
6. Approval of this SWSP is for the purposes as stated herein. Additional wells (groundwater ponds) and/or additional uses for the water that is the subject of this SWSP will be allowed only if a new SWSP is approved for those additional wells/uses.
7. All pumping for dust control and/or processing shall be measured in a manner acceptable to the division engineer. The Applicant shall install and maintain measuring devices as required by the division engineer for operation of this SWSP.
8. The name, address and phone number of the contact person who will be responsible for the operation and accounting of this plan must be provided with the accounting form to the division engineer and water commissioner.
9. Adequate accounting of depletions and replacements must be provided to the division engineer in Greeley (DNR.Div1Accounting@state.co.us) and the water commissioners (Garver Brown at Garver.Brown@state.co.us and Tim Buckley at Tim.Buckley@state.co.us) on a monthly basis, or more frequent if required by the water commissioner, within 30 days of the end of the month for which the accounting applies. All amounts shall be in acre-feet. All submitted accounting must conform to the Administration Protocol "*Augmentation Plan Accounting - Division One, South Platte River*" available at <https://dwr.colorado.gov/>.
NOTE: Monthly accounting, even during the winter non-irrigation season, is required.
10. The Applicant shall verify that the entity making replacement, in this case North Fork Associates, LLC and Mountain Mutual Reservoir Company, has included the Applicant on their accounting submitted to our office.
11. All releases of replacement water must be sufficient to cover all out-of-priority depletions in time, place, and amount and must be made under the direction and/or the approval of the water commissioner. Notice must be provided and approval made by the water commissioner at least 48 hours prior to the release of replacement water, or as required by the water commissioner. The release of replacement water may be aggregated to maximize beneficial

use. The water commissioner and/or the division engineer shall determine the rate and timing of an aggregated release.

12. Conveyance loss for delivery of augmentation water is subject to assessment and modification as determined by the division engineer.
13. Prior to the operation of any exchange, the Applicant is required to notify the water commissioner and obtain the water commissioner's approval for the operation of the exchange at least 48 hours prior to operation, or less if allowed by the water commissioner. The applicant is required to obtain the water commissioner's approval on a daily basis or other interval as required by the water commissioner. Exchanges/substitutions are limited to operating only at times there is a continuous live stream between the "exchange-from" and "exchange-to" points and at times sufficient exchange potential exists to operate the exchange without injury to other water users.
14. The replacement water which is the subject of this SWSP cannot be sold or leased to any other entity. As a condition of subsequent renewals of this SWSP, the replacement water must be appurtenant to this site until a plan for augmentation is obtained. All replacement water must be concurrent with depletions in quantity, timing and locations.
15. To assure that depletions from groundwater evaporation do not occur in the unforeseen event, or events, that would lead to the abandonment of the pit, the Applicant has obtained a bond in the amount of \$415,073, which includes the cost of backfilling the pond(s). In addition, evaporative depletions from up to 3.8 acres of exposed groundwater at the site may be replaced under the augmentation plan decreed in case no. W-7538.
16. If reclamation of the mine site produces a permanent water surface exposing groundwater to evaporation that cannot be covered under W-7538, an application for a plan for augmentation must be filed with the Division 1 Water Court at least three (3) years prior to the completion of mining to include, but not be limited to, long-term evaporation losses. If a lined pond results after reclamation, replacement of lagged depletions shall continue until there is no longer an effect on stream flow. Granting of this SWSP does not imply approval by this office of any such court application(s).
17. The Applicant has not proposed to dewater the site, therefore no dewatering shall be allowed under this SWSP.
18. The State Engineer may revoke this SWSP or add additional restrictions to its operation if at any time the State Engineer determines that injury to other vested water rights has occurred or will occur as a result of the operation of this SWSP. Should this SWSP expire without renewal or be revoked prior to adjudication of a permanent plan for augmentation, all use of water at the site must cease immediately.
19. In accordance with amendments to section 25-8-202(7), C.R.S., and Senate Bill 89-181 Rules and Regulations adopted on February 4, 1992, the state engineer shall determine whether the substitute supply is of a quality to meet the requirements of use of senior appropriators. As such, water quality data or analysis may be requested at any time to determine if the water quality is appropriate for downstream water users.
20. The decision of the state engineer shall have no precedential or evidentiary force, shall not create any presumptions, shift the burden of proof, or serve as a defense in any pending water court case or any other legal action that may be initiated concerning this plan. This

decision shall not bind the state engineer to act in a similar manner in any other applications involving other SWSPs, or in any proposed renewal of this SWSP, and shall not imply concurrence with any findings of fact or conclusions of law contained herein, or with the engineering methodologies used by the Applicant.

Please contact Sarah Brucker in Denver at (303) 866-3581, or Dean Santistevan in Greeley at (970) 352-8712, if you have any questions concerning this approval.

Sincerely,



for Jeff Deatherage, P.E.
Chief of Water Supply

Attachments: Table 1
North Fork/MMRC lease agreement

cc: Alex Schatz, Brannan Sand and Gravel Company, aschatz@brannan1.com
Dean Santistevan, Assistant Division Engineer, Dean.Santistevan@state.co.us
Louis Flink, Tabulation/Diversion Records Coordinator, Louis.Flink@state.co.us
Garver Brown, Water Commissioner, Water District 23, Garver.Brown@state.co.us
Tim Buckley, Water Commissioner, Water Districts 9 & 80, Tim.Buckley@state.co.us
Michael A. Cunningham, Division of Reclamation Mining and Safety,
michaela.cunningham@state.co.us

Month	Depletions																	
	Pumped from Pit							Evaporation									Total	
	Aggregate Production abv GW (tons)	Aggregate Production in GW (tons)	Water retained in product abv GW (50% washed)	Water Retained in Product GW	Water Used for Fugitive Dust Control	Water Used for Dust Control in Spray Bars	Subtotal Consumption of Pumped Water	Monthly Net Evap (%)	Monthly Net Evap (in)	Precip. Park County (in/ac)	Evap. Credit (70%) (in)	Evap After Eff Precip Credit (in)	Evap After Eff Precip Credit (ft)	Exposed Water Surface (acres)	Subtotal Evap Losses	First Fill (ac-ft)	Total CU	Lagged Depletions (ac-ft)
Annual Total	549,514	0	4.04	0.00	5.55	3.84	13.44	100.0%	35.00	13.07	9.15	25.85	2.15		3.98		13.44	-10.71
Nov-21	45,000		0.33	0.00	0.00	0.31	0.65	4.0%	1.40	0.44	0.31	1.09	0.09	2.8	0.25		0.65	-1.11
Dec-21	35,000		0.26	0.00	0.00	0.24	0.50	1.5%	0.53	0.62	0.43	0.09	0.01	2.8	0.02		0.50	-1.05
Jan-22	40,000		0.29	0.00	0.00	0.28	0.57	1.0%	0.35	0.40	0.28	0.07	0.01	2.8	0.02		0.57	-0.95
Feb-22	45,000		0.33	0.00	0.00	0.31	0.65	3.0%	1.05	0.42	0.29	0.76	0.06	2.8	0.18		0.65	-0.79
Mar-22	45,000		0.33	0.00	0.35	0.31	1.00	6.0%	2.10	0.86	0.60	1.50	0.12	2.8	0.35		1.00	-0.84
Apr-22	70,000		0.52	0.00	0.75	0.49	1.75	9.0%	3.15	1.04	0.73	2.42	0.20	2.8	0.57		1.75	-0.82
May-22	80,000		0.59	0.00	0.75	0.56	1.90	12.5%	4.38	0.88	0.62	3.76	0.31	2.8	0.88		1.90	-0.94
Jun-22	80,000		0.59	0.00	0.75	0.56	1.90	15.5%	5.43	0.91	0.64	4.79	0.40	2.8	1.12		1.90	-1.01
Jul-22	80,000		0.59	0.00	0.75	0.56	1.90	16.0%	5.60	2.80	1.96	3.64	0.30	2.8	0.85		1.90	-1.12
Aug-22	80,000		0.59	0.00	0.75	0.56	1.90	13.0%	4.55	2.63	1.84	2.71	0.23	2.8	0.63		1.90	-1.18
Sep-22	80,000		0.59	0.00	0.75	0.56	1.90	11.0%	3.85	1.14	0.80	3.05	0.25	2.8	0.71		1.90	-1.19
Oct-22	70,000		0.52	0.00	0.35	0.49	1.35	7.5%	2.63	0.93	0.65	1.97	0.16	2.8	0.46		1.35	-1.26
Annual Total	750,000	0	5.52	0.00	5.20	5.25	15.97	100.0%	35.00	13.07	9.15	25.85	2.15		6.03		15.97	-12.26

Date Revised: 8/31/2021

AGREEMENT

1. **PARTIES:** This Agreement is made and entered into this 4TH day of October, 2021, in duplicate counterpart originals, by and between BRANNAN SAND and GRAVEL COMPANY, (hereinafter referred to as "the Lessee"), and NORTH FORK ASSOCIATES, LLC, a Colorado Limited Liability Company and MOUNTAIN MUTUAL RESERVOIR COMPANY, a mutual company, (hereinafter referred to as "the Lessors").

2. **RECITALS AND PURPOSE:** The Lessee proposes to satisfy the needs for replacement water in the Middle Fork of the South Platte River, located in Park County, Colorado. To assure that sufficient water can be available for Brannan Sand and Gravel Co., associated with Lessee's operation, the Lessee seeks to lease replacement water on an interim basis.

Lessors are the owners of the following water rights:

MADDOX RESERVOIR

The Maddox Reservoir is located in the NE1/4 SW1/4, Section 22, Township 7 South, Range 73 West of the 6th P.M. in Park County. It was adjudicated on November 11, 1971 with an appropriation date of May 31, 1905. It is decreed for multiple purposes including irrigation, domestic, fish culture and recreation with a capacity of 54.0 acre-feet. It is filled by the Maddox Reservoir Feeder Ditch, which diverts from the North Fork of the South Platte River in the NE1/4 SE1/4 SW1/4, Section 22, Township 7 South, Range 73 West of the 6th P.M. and decreed as an alternate point of diversion for the Slaght Ditch.

SLAGHT DITCH

The Slaght Ditch, with a South Platte Priority No. 241 and North Fork Drainage Priority No. 4 has an appropriation date of May 1, 1863 as adjudicated by the District Court for Park County on May 22, 1913 in the amount of 2.0 cubic-feet-per-second. The headgate is located on the North Bank of the North Fork of the South Platte River in the NE ¼ SE ¼, Section 21, Township 7 South, Range 732 West of the 6th P.M. This headgate is still used for irrigation of the land North of Highway 285. In Case No. 82CW472 an alternate point of diversion was established at the headgate of the Maddox Feeder Ditch in the NE ¼ SE ¼, Section 21, Township 7 South, Range 73 West of the 6th P.M. Lessors interest in this right is 0.481 of a cubic-foot-per-second which is quantified in Water Court Case No. 2003CW238.

MACK DITCH NO. 2

The Mack Ditch No. 2, with a South Platte Priority No. 243 and North Fork Drainage Priority No. 6 has an appropriation date of May 1, 1863 as adjudicated by the District Court for Park County on May 22, 1913 in the amount of 1.0 cubic-feet-per-second. The headgate is located on the South Bank of the North Fork of the South Platte River in the NE ¼ SE ¼, Section 21, Township 7 South, Range 732 West of the 6th P.M. Lessors interest in this right is 0.44045 of a cubic-foot-per-second which is quantified in Water Court Case No. 2003CW238.

NICKERSON NO. 2 DITCH

The Nickerson No. 2 Ditch, with a South Platte Priority No. 262 and North Fork Drainage

Priority No. 24 has an appropriation date of May 1, 1872 as adjudicated by the District Court for Park County on May 22, 1913 in the amount of 0.65 of a cubic-foot-per-second. The headgate is located on the North bank of Deer Creek at a point whence the SE Corner, Section 4, Township 7 South, Range 72 West of the 6th P.M., bears North 58°15' East, 2320 feet and has historically irrigated approximately 35 acres adjacent to Dear Creek in the SE1/4 Section 9, NW1/4 Section 15, and NE1/4, Section 16, Township 7 South, Range 72 West of the 6th P.M. all in Park County.

PARMELEE NO. 1 DITCH

The Parmelee No. 1 Ditch, with a South Platte Priority No. 251 and North Fork Drainage Priority No. 14 has an appropriation date of May 1, 1867 as adjudicated by the District Court for Park County on May 22, 1913 in the amount of 0.52 of a cubic-foot-per-second. In that decree the headgate was located on the North Bank of Deer Creek at a point whence the S1/4 Corner of Section 32, Township 6 South, Range 72 West of the 6th P.M., bears South 70° 6' East, 1210 feet. Water Division No. 1 District Court Case No. W-7434 changed the location of the headgate to the Nickerson No. 2 Ditch, as shown above.

CARRUTHERS NO. 2 DITCH

The Carruthers No. 2 Ditch, with a South Platte Priority No. 250 and North Fork Drainage Priority No. 13 has an appropriation date of May 1, 1967 as adjudicated by the District Court for Park County on May 22, 1913 in the amount of 0.52 of a cubic-foot-per-second. In that decree the headgate was located on the North Bank of Deer Creek at a point whence the S1/4 Corner between Section 31 and 32, Township 6 South, Range 72 West of the 6th P.M., bears North 85° 30' East, 1398 feet. Water Division No. 1 District Court Case No. W-7434 changed the location of the headgate for 0.28 of a cubic-foot-per-second to the Nickerson No. 2 Ditch, as shown above. This 0.28 of a cubic-foot-per-second is included in this contract.

Pursuant to the Decree issued in Case No. 2000CW174, dated October 11, 2002, the historic consumptive use associated with the Nickerson No 2, Parmelee No. 1, and Carruthers No. 2 Ditches (hereinafter referred to as "Nickerson Ditch Rights") was quantified.

GUIRAUD 3T DITCH

The headgate is located on the right bank of the Middle Fork of the South Platte River in the Northeast 1/4 of Section 8, Township 11 South, Range 76 West, 6th P.M., Park County, Colorado, at a point whence the Northeast corner of the Northeast 1/4 of said section bears North 63 degrees 35 minute East, 1,305 feet. Lessor owns 3.480 c.f.s. of the water rights decree to the Guiraud 3T Ditch as follows:

<u>Adjudication Date</u>	<u>Appropriation Date</u>	<u>Amount (c.f.s)</u>
October 18, 1889	July 1, 1867	20
Original adjudication		
Water Dist. 23		

LOWER SACRAMENTO CREEK RESERVOIR COMPANY

The Lower Sacramento Creek Reservoir Company, a Colorado corporation, owns and operates the Lower Sacramento Creek Reservoir No. 1. The Reservoir is located in the Northeast 1/4 Northwest 1/4, Section 32, and the Southeast 1/4 Southwest 1/4, Section 29, Township 9 South, Range 77 West, 6th P.M., Park County, Colorado. Seller/MMRC owns 772 shares of a total of 3,540 shares in the Company (a 21.8% interest). The Reservoir has been constructed and is entitled to store water under the following decree:

<u>Adjudication Date</u>	<u>Appropriation Date</u>	<u>Amount</u>
1974; Case No. W-7741-74	July 25, 1974	40 a.f.
Case No. 84CW250	Use of Res. as Recharge Facility	
Case No. 85CW465	Use of Res. as Recharge Facility	

The water may be used for domestic, municipal, commercial, industrial, irrigation, fish and wildlife propagation, recreational and all other beneficial purposes, including exchange to compensate for depletions in the South Platte River and its tributaries. Other ownerships in the reservoir have transferred water rights to Lower Sacramento Creek Reservoir No. 1 in which Seller has no interest.

Lessors are willing to lease water to the Lessee on a temporary basis. It is understood that the replacement water will be delivered at the headgates of the above referenced ditches and the outlets of the above referenced reservoirs.

3. AGREEMENT FOR THE LEASE OF WATER: In consideration of the covenants and agreements of the Lessors and the payments to be made by the Lessee, Lessors agree to lease water to the Purchaser pursuant to the following terms and conditions:

- a. **Quantity of Water:** Pursuant to this Agreement, the Lessee shall be entitled to annually receive 15.3 acre-feet of water which Lessors presently own and control as set forth in Paragraph 2 above. Lessee has the option of leasing an additional 10.0 acre-feet pursuant to the terms below.
- b. **Compensation to Lessors:** As compensation for the lease of water as described herein, the Lessee agrees to pay to the order of North Fork Associates, \$2,740.00 (\$375.00 per acre foot per year) for 7.3 acre-feet of water delivered between the months of May and September, \$6,000.00 (\$750.00 per acre foot per year) for 8.0 acre-feet of water delivered for the balance of the year upon both parties signing this agreement. For subsequent years the payment of \$8,740.00 will be due on November 1 for water use from November 1 through October of the following year.
- c. **Term of Water Lease:** The effective period of the Agreement shall be November 1, 2021 through October 31, 2022. Subject to NFA's termination rights set out in Paragraph No. 3(d), Lessee shall have the option of leasing replacement water for two additional one year periods. In order to exercise the option to extend the lease beyond the initial term, Lessee shall provide NFA with written notification of its intent to extend the term on or before the expiration

date and the a payment in the amount of \$375.00 per year for each acre-foot of replacement water from May through September and \$750 per year for each acre-foot of replacement water for the balance of the year which is leased during a subsequent one year period.

- d. **Termination of Lease Option:** In the event that NFA/MMRC determines it does not have sufficient surplus replacement water to accommodate Lessee's needs beyond the initial term of this lease, NFA/MMRC shall have the unilateral right to cancel the option provision by providing written notice to Lessee no later the date of expiration. In the event that the first one year extension option is exercised, but MMRC determines it cannot accommodate the second one year extension, NFA/MMRC shall also have the right to cancel the second one year option provision by providing written notice to Lessee no later than the date of expiration of the first extension.
- d. **Responsibilities of the Parties:** The Lessee shall have the responsibility of notifying Lessors when all or a portion of the water described herein is to be released to the South Platte River from any of the above described facilities. To the extent physically possible, Lessors agree to make said water available, at those times and at rates previously agreed upon or as requested by the Water Commissioner. Notification of the requested release must be received between 8:00 A.M. and 5:00 P.M. Monday through Friday. Water availability is subject to the down stream calls and the exchange potential on the South Platte River. Lessee is responsible for the stream losses from the point of release to the point of exchange at the rate of 0.13% per mile. Lessors shall have the responsibility of coordinating its water rights to see that all requests for water are met and will determine from which facility the water shall be released.
- e. **Notice:** Whenever the terms of this Agreement require notice to be given to Lessors or Lessee, said notice shall be sufficient if given verbally to:

North Fork Associates
2686 S. Yukon Ct.
Lakewood, CO 80227
303 988 7111

Mountain Mutual Reservoir Co.
6949 Hwy 73, Suite 15
Evergreen, CO 80439
303 989 6932


Brannan Sand and Gravel Co.
2500 E. Brannan Wy
Denver, CO 80229
303 853 5161

DATED this 4 day of OCT, 2021.

BRANNAN SAND AND GRAVEL COMPANY



Manager

ATTEST


Secretary, Mountain
Mutual Reservoir Co.

MOUNTAIN MUTUAL RESERVOIR COMPANY



President

NORTH FORK ASSOCIATES



Manager

Open with

NORTH FORK ASSOCIATES, LLC

General Partner

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ATTEST

(SEAL)

Secretary, Mountain Mutual
Reservoir Company

MOUNTAIN MUTUAL RESERVOIR CO.
A Colorado Corporation

By _____
Norman Lewis, President

STATE OF COLORADO)
COUNTY OF JEFFERSON) ss.

The foregoing instrument was acknowledged before me this 30th day of DEC, 2020 by John F. Medved,
as an individual.

My commission expires

2-14-22

Patricia Clark
Notary Public

STATE OF COLORADO)
COUNTY OF JEFFERSON) ss.

The foregoing instrument was acknowledged before me this 2nd day of DEC, 2021 by Debra K.
Medved, as an individual.

My commission expires

2-14-22

Patricia Clark
Notary Public

STATE OF COLORADO)
COUNTY OF JEFFERSON) ss.

- The foregoing instrument was acknowledged before me this _____ day of _____, 2021 by
William M. Blatchley, as Manager of North Fork Associates, LLC and by Norman Lewis, as
President of Mountain Mutual Reservoir Co

My commission expires November 7, 2021.

Notary Public

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