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March 2, 2015

RECEIVED

MAR 03 2015

Mr. Dick Wolfe
Colorado Division of Water Resources
1313 Sherman Street, Room 821
Denver, Colorado 80203

DIVISION OF RECLAMATION
MINING AND SAFETY

Subject: Midwestern Farms Gravel Pit
DRMS No. M-1993-059

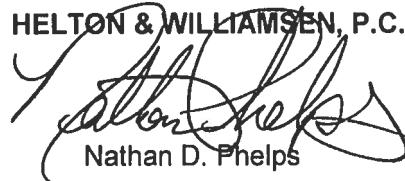
Dear Mr. Wolfe:

Enclosed is a permit application for the Midwestern Farms Gravel Pit, DRMS No. M-1993-059, to re-permit the gravel pit ponds for the increased surface area of exposed groundwater.

A check in the amount of \$100.00 is enclosed for the application fee. If you have any questions, please let me know.

Sincerely yours,

HELTON & WILLIAMSEN, P.C.



Nathan D. Phelps

NDP/ndp

Enclosure

W:\Nathan\Correspondence\T401

Form No.
GWS-27
5/2012

COLORADO DIVISION OF WATER RESOURCES
DEPARTMENT OF NATURAL RESOURCES

1313 Sherman St., Ste 821, Denver, Colorado 80203

Phone: (303) 866-3581 Fax: (303) 866- 2223

DWR Web: www.water.state.co.us Email: dwrpermitsonline@state.co.us

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DIVISION OF RECLAMATION
MINING AND SAFETY

REVIEW INSTRUCTIONS PRIOR TO COMPLETING FORM

GRAVEL PIT WELL PERMIT APPLICATION

1. TYPE OF PERMIT

☐ NEW PIT(S)

☒ PIT(S) EXIST, CONSTRUCTED AFTER DEC. 31, 1980

2. APPLICANT INFORMATION

NAME(S) Midwestern Farms

Mailing Address Box 246

City, St. Zip Wiley, Colorado 81092

Phone (w/ area code) (719) 829-4350 Email: _____

3. CONSULTANT/ATTORNEY/OPERATOR CONTACT (If different than #2)

NAME(S) Fred Esgar

Mailing Address Box 246

City, St. Zip Wiley, Colorado 81092

Phone (w/ area code) (719) 829-4350 Email: _____

PIT NAME Midwestern Farms Pit

DRMS NO. M-1993-059

4. GENERAL LOCATION OF PIT(S): COUNTY Prowers

NW 1/4 SW 1/4, Sec. 18 Twp. 23 ☐ N. ☒ S., Range 42 ☐ E. ☒ W. 6th P.M.

5. Estimated maximum water surface to be exposed: 98.4 Acres. Number of Pits 2

6. Estimated depth of pit(s) 85 max Ft. Estimated depth to groundwater 6 Ft.

7. Estimated date to expose groundwater 01/01/1993; date to complete mining 12/31/2014

8. ATTACHMENTS: (Check which have been attached.)

- (a) ☒ Scaled map of pit area with range, township, & section clearly identified (REQUIRED).
- (b) ☐ Copy of the reclamation permit, if applicable.
- (c) ☐ Copy of pre 1/15/89 water conservancy dist. or water user assoc. augmentation agreement, if applicable.
- (d) ☐ Copy of proposed substitute water plan or augmentation plan application, if applicable.
- (e) ☐ Copy of court approved augmentation plan, if applicable. Case No. 02CW181
- (f) ☒ Other Excerpt from Case No. 02CW181 listing gravel pits under augmentation plan.

9. Detailed description of any use, other than evaporation, and method of diversion, rate of diversion, and annual amount of diversion of any water withdrawn from the pond.

Pit evaporation, dust suppression, concrete batching, and water retained in the mined material.

10. Will dewatering occur within the DRMS permit boundary ☐ Yes ☒ No

11. I (we) have read the statements made herein and know the contents thereof, and that they are true to my (our) knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]

Sign of enter name(s) of submitter

If signing print name & title

Date (mm/dd/yyyy)

Frederick Esgar

Frederick Esgar, Partner

02/24/2015

For Office Use only

Court Case No. _____ Div. _____ Co. _____ WD _____ Basin _____ MD _____ Use _____

98.4 ac exposed GW

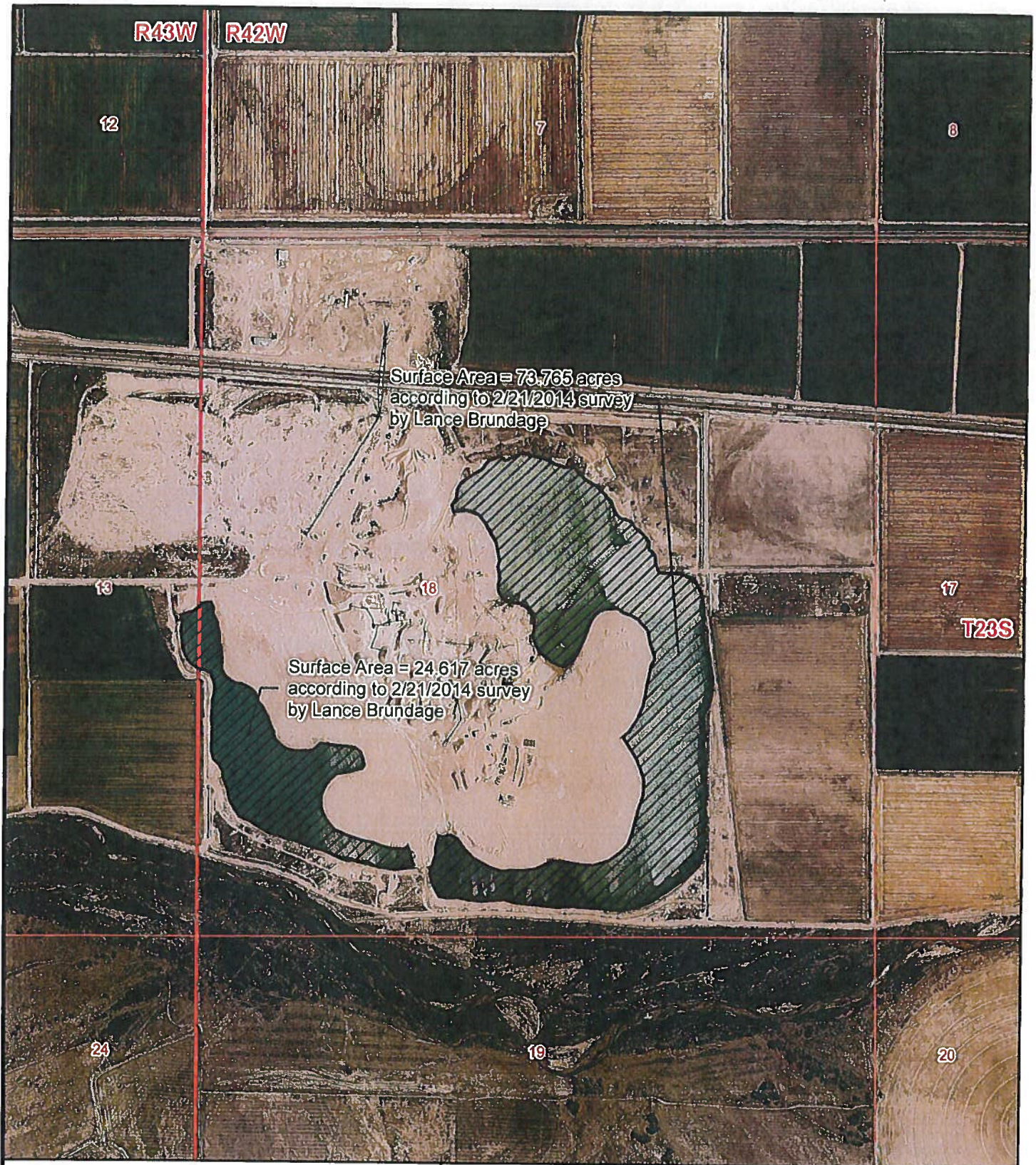


FIGURE 1

**Midwestern Farms Gravel Pit
M-93-59**

July 4, 2013 Aerial Photograph



Helton & Williamsen, P.C.

Drawn by: N. Phelps

Checked by:

Job No. T401

FILE: Gravel_plt.mxd

Rev.
Date:

Date: 02/13/2015

0 500 1,000 2,000 3,000

Scale in Feet

<p>DISTRICT COURT, WATER DIVISION NO. 2, COLORADO</p> <p>207 Judicial Building 320 West 10th Street Pueblo, CO 81003-2940 719.583.7048</p>	<p>FILED Document – District Court 2002CW181 CO Pueblo County District Court 10th JD Filing Date: Feb 27 2007 3:51PM MST Filing ID: 13949063 Review Clerk: Mardell Didomenico</p>
<p>IN THE MATTER OF THE APPLICATION FOR WATER RIGHTS OF LOWER ARKANSAS WATER MANAGEMENT ASSOCIATION</p> <p>IN THE ARKANSAS AND PURGATOIRE RIVERS AND THEIR TRIBUTARIES</p> <p>IN BENT AND PROWERS COUNTIES</p>	<p>▲ COURT USE ONLY ▲</p> <p>Case Number: 02CW181</p>
<p>FINDINGS OF FACT, CONCLUSIONS OF LAW AND DECREE OF THE WATER COURT</p>	

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Exhibit C –	Parcels Historically Irrigated with the Manvel Canal Water Right
Exhibit D –	Parcels Historically Irrigated with the Lamar Canal Shares
Exhibit E –	Parcels Historically Irrigated with the Fort Bent Shares
Exhibit F –	Parcels Historically Irrigated with the Highland Canal Water Rights
Exhibit G –	Parcels Historically Irrigated with the Keesee Ditch Water Rights
Exhibit H –	Helton & Williamsen, P.C., Memorandum dated November 30, 2005 RE: Case No. 02CW181 – Use of Stream Flows Gages to Measure Water Right Yields
Exhibit I –	Stubbs Ditch Land
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Exhibit O –	Highland Canal Land
Exhibit P –	Keesee Ditch Land
Exhibit Q –	LAWMA Structures
Exhibit R –	Consumptive Use Factors
Exhibit S –	Pertinent Information for Determining Depletions Caused by the LAWMA Structures

Nelsons were made parties to this case. Davidson and Nelsons are referred to collectively herein as the "Remaining Highland Canal Users." Pursuant to the Court's February 26, 2007 Order for Substitution of Party, Pure Cycle Corporation was substituted for Wollert Enterprises, Inc. and High Plains A & M, LLC as a party to this case.

6. LAWMA filed a First Amendment to Application for Change of Water Rights and Plan for Augmentation on June 30, 2004. Statements of opposition filed by parties to the original application apply to the amendment as well. No additional statements of opposition were filed to the amendment. The time for filing statements of opposition has expired.
7. The caption of the application and first amendment to application only referenced Bent and Prowers Counties. However, the resume notices of the application and first amendment to application were properly published in newspapers of general circulation in every county affected including, Bent, Prowers, Baca, Cheyenne, Elbert, Kiowa, Lincoln and Otero Counties, Colorado. Therefore, timely and adequate notice of the application and the first amendment to application was given as required by law, and the Court has jurisdiction over the subject matter of this proceeding and over all parties affected hereby, whether they have appeared or not.
8. On July 1, 2005 LAWMA filed its Motion for Partial Dismissal of Application Without Prejudice, Including Legal Authority (the "Motion"). Pursuant to the Court's August 22, 2005 Order Granting Motion for Partial Dismissal of Application Without Prejudice, the Court granted the Motion and dismissed that portion of the Application that sought approval of a plan for augmentation for the wells included in the Application that were constructed prior to January 1, 1986 that are used for uses permitted or decreed prior to January 1, 1986, subject to the terms and conditions in that Order. Accordingly, only that portion of LAWMA's Application that seeks approval of a change of water rights and a plan for augmentation for the wells or other structures constructed after December 31, 1985 or wells or other structures constructed prior to January 1, 1986 that are used for uses permitted or decreed after December 31, 1985 are the subject of this Decree.
9. LAWMA has entered into stipulations with the following parties on the basis that these parties would not oppose entry of a decree at least as protective of their rights as the version attached to each such stipulation: Richard Helfrich, Colorado Water Protective and Development Association, Southeastern, The Buffalo Mutual Irrigation Company, Bent County Board of Commissioners, The Amity Mutual Irrigation Company, Fort Lyon Canal Company, The Arkansas Valley Ditch Association, Utilities Board of the City of Lamar, Colorado, State and Division Engineers, Pure Cycle Corporation,

Davidson Ranch, LLP and Roger and Lindalyn Nelson. On December 15, 2005 Mountain Prairie, LLC withdrew its statement of opposition and on March 9, 2006 Whitestone Farms LLP withdrew its statement of opposition.

10. The Court finds that this Decree is at least as protective of the various Opposers' rights as the earlier versions of this Decree to which they stipulated.
11. The Water Referee has consulted with the Division Engineer regarding the application as required by law. The Division Engineer submitted a Summary of Consultation dated March 18, 2003. Copies of the Summary of Consultation were properly served on all parties to the case on March 21, 2003.
12. LAWMA is a non-profit corporation organized for the primary purpose of providing a means for its members to continue to make ground water diversions from wells and other structures with junior priorities and to continue to make surface water diversions from structures with junior priorities in the Arkansas River water rights regime. In this case LAWMA seeks: (a) to change the use of the water rights that LAWMA owns or has the right to use that are decreed for agricultural irrigation purposes to allow them to be used for augmentation or replacement of depletions in the Arkansas River or its tributaries; (b) to adjudicate a plan for augmentation that uses the consumptive use stream credits associated with the water rights to be changed by this Decree together with water available to LAWMA in John Martin Reservoir and other water for the replacement of the stream depletions associated with the wells and other structures constructed after December 31, 1985 that are owned and/or operated by LAWMA's members and for the wells and other structures constructed prior to January 1, 1986 that are being used for uses permitted or decreed after December 31, 1985 that are owned and/or operated by LAWMA's members in a manner that protects Colorado senior surface water rights from injury and assures compliance with the Arkansas River Compact ("Compact"), § 37-69-101, C.R.S.; (c) to provide for the inclusion of additional replacement water and additional wells and other structures into the plan for augmentation to be decreed herein; and (d) to provide for the removal of replacement water and wells and other structures from the plan for augmentation to be decreed herein.

CHANGE OF WATER RIGHTS

13. Description of Water Rights and Water Sought to be Changed: LAWMA owns or has the right to use the water rights and water described below which it seeks to change herein to allow them to be used for augmentation purposes and other beneficial uses as specifically described herein. All of the foregoing water rights and water are collectively referred to

There are no flow rate limitations on the release of "summer stored water," as defined in Agreement "B", from the Sisson-Stubbs, Manvel, Lamar and Fort Bent Article II Storage Accounts.

34. Use of Subject Water Rights in Replacement Plans Pursuant to the Arkansas River Use Rules. The terms and conditions in this Decree shall apply to and govern the use of the Subject Water Rights for the New Uses and shall apply to and govern the diversion and storage of the subject Highland Canal and Keesee Ditch water rights at the New Point of Storage in any replacement plan approved pursuant to the Arkansas River Use Rules.
35. Requests to Use the Subject Water Rights in Substitute Water Supply Plans Pursuant to §§ 37-92-308 et. seq., C.R.S. In any request to use the Subject Water Rights in any substitute water supply plan approved pursuant to §§ 37-92-308, et. seq., C.R.S., LAWMA will request that such use be authorized in a manner that is consistent with the terms and conditions in this Decree.
36. No Injury. The Court finds that, subject to the maintenance of the foregoing terms and conditions, including those relating to historical return flows and the limitations on diversion, the changes of water rights sought herein will not injuriously affect any other owners of water rights including, without limitation, the Remaining Highland Canal Users and will not violate the Compact.
37. Approval of Change of Water Rights. The change of water rights is in accordance with law and should be granted subject to the terms of this Decree.

PLAN FOR AUGMENTATION

38. Statement of Plan for Augmentation. LAWMA has proposed a plan for augmentation. The plan for augmentation provides for (1) accounting for all uses of water, (2) accounting for return flows to the Arkansas River system, (3) replacement of all out of priority stream depletions to senior surface water rights in Colorado and replacement of all stream depletions to stateline flows caused by the wells and other structures requiring augmentation that participate in this plan. As described below, the operation of this plan will be done in accordance with the terms and conditions in this Decree, the Compact, the 1980 Operating Plan and the Offset Account Resolution.
39. Description of Structures to be Augmented. The structures specified in Exhibit Q to this Decree shall be augmented pursuant to the terms of this Decree and are collectively hereinafter referred to as the "LAWMA Structures."

40. Description of Augmentation Water. The water rights and other sources of water that may be used for the augmentation plan include the following:
- A. The water rights included in the Subject Water Rights described in Sections 13.A. through G. of this Decree, as changed and limited by this Decree.
 - B. Fryingpan-Arkansas Project water, including return flows, annually purchased by LAWMA. LAWMA's use of such water is subject to the following terms and conditions:
 - i. The decree in this case does not give LAWMA any rights of use of Fryingpan-Arkansas Project structures, or any rights of ownership or rights to purchase or receive allocation of Fryingpan-Arkansas Project Water or return flows from Fryingpan-Arkansas Project Water, but does not alter any existing rights that LAWMA may otherwise have. Fryingpan-Arkansas Project Water or return flows therefrom may be used in LAWMA's augmentation plan, Replacement Plans issued by the State Engineer pursuant to the Arkansas River Use Rules, as hereafter amended, and substitute water supply plans approved by the State Engineer and in accordance with the terms of this Decree only if, and to the extent such water is allocated by Southeastern to LAWMA or its members, and is purchased from Southeastern by LAWMA or its members. LAWMA's and its members' purchase and use of Fryingpan-Arkansas Project Water and of return flows therefrom shall be consistent with the Allocation Principles of Southeastern (as they may from time to time be amended), and the lawful rules, regulations, policies, procedures, contracts, charges and terms as may be lawfully determined from time to time by Southeastern in its discretion.
 - ii. This Decree does not modify Southeastern's Fryingpan-Arkansas Project water rights decrees. LAWMA will utilize Fryingpan-Arkansas Project Water or return flows therefrom only within Southeastern District boundaries, as a supplemental supply for the uses decreed herein. LAWMA's augmentation and replacement uses of such water (including replacement of evaporation loss) will be only to augment or replace depletions resulting from the beneficial use of water within Southeastern District boundaries.

C. John Martin Reservoir Storage Account Water:

- i. Article II Storage Account Water. LAWMA will use the consumptive use stream credits derived from the Article II Storage Account water described in Section 13.H. of this Decree that it owns or has the right to use, as changed and limited by this Decree, as a source of replacement water in this augmentation plan through direct release of that water to the Arkansas River from John Martin Reservoir or by transfer of that water into other Article II Storage Accounts and the Offset Account in John Martin Reservoir or as otherwise permitted by the Colorado Division of Water Resources ("CDWR"). The Compact and the 1980 Operating Plan do not appear to prohibit use of the consumptive use portion of the Article II Storage Account water for augmentation and replacement purposes. Accordingly, use of the Article II Storage Account water as a source of fully-consumable replacement water in this augmentation plan should be allowable under the Compact and the 1980 Operating Plan.
 - ii. Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended March 30, 1998 ("Offset Account Resolution"): The Offset Account Resolution was adopted in order to facilitate Colorado's and its water users' compliance with the Compact by establishing a new storage account in John Martin Reservoir known as the "Offset Account." LAWMA intends to use the Offset Account to facilitate its members' compliance with the Compact by delivering consumptive use stream credits from the: (a) Highland Canal water rights described in this Decree; (b) Keesee Ditch water rights described in this Decree; or (c) Article II Storage Account water described in this Decree. Delivery of water to the Offset Account and release of water from the Offset Account will be done in accordance with the terms and conditions of this Decree, the Offset Account Resolution and the Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping, Determination of Credits for Delivery of Water Released for Colorado Pumping, and Related Matters dated September 29, 2005 ("Offset Account Crediting Agreement").
- D. Water that may be purchased by LAWMA and delivered to the Offset Account in John Martin Reservoir or to other locations in the Arkansas River, if such water is fully-consumable and is approved for such augmentation use pursuant to Section

41, by separate decree of the Water Court, or by legally authorized action of the State Engineer.

- E. Unconsumed portion of transit loss assessed by the Division Engineer on deliveries of the subject Highland Canal water rights to the Offset Account in John Martin Reservoir as determined by the CDWR.
 - F. Unconsumed portion of transit loss assessed by the Division Engineer on LAWMA's releases from the Offset Account in John Martin Reservoir as determined by the CDWR.
41. Addition of Augmentation Water. Pursuant to § 37-92-305(8), C.R.S., the Court may authorize LAWMA to use supplies of augmentation water of limited duration and additional and alternative sources of replacement water in this plan for augmentation if such sources are part of a substitute water supply plan approved pursuant to § 37-92-308, C.R.S., or if such sources are decreed for such use. This section sets forth the procedure under which these sources may be added to this plan. These procedures are adequate to prevent injury to other water rights that might otherwise result from the addition of these sources to this plan.
- A. Additional Water Rights to be Decreed for Augmentation Uses in this Plan. LAWMA may permanently add a water right as a source of replacement water in this plan for augmentation by filing an application with the Court to add the water right as a source of replacement water and obtaining a decree from the Court. LAWMA shall provide notice of any such application in the manner provided by statute for a new water right application.
 - B. Other Additional Water Rights. As to any other additional water rights LAWMA seeks to use for augmentation use in this plan on a temporary basis and which are not otherwise authorized for use by this Decree, LAWMA shall provide written notice to the objectors herein and the ARCA of its request for approval of the State Engineer pursuant to § 37-92-308, C.R.S. LAWMA shall not use the noticed water right in this plan for augmentation until the State Engineer's approval of LAWMA's request for substitute water supply plan (SWSP) has become final, including any appeal. In no event shall LAWMA be allowed to use the same portion of a water right or shares for undecreed augmentation use under this plan pursuant to SWSP approval for more than the period allowed by § 37-92-308, C.R.S.

42. Removal of Wells and Structures. The wells and structures included in this plan shall be operated pursuant to this plan for augmentation. LAWMA may file a motion herein, with notice as required by law to all parties and the ARCA, to delete a well or other structure and the Court retains perpetual jurisdiction to consider the terms and conditions on which such motion may be granted. LAWMA or the owner of a well or other structure may file an application with the Water Court, with notice as required by law, seeking the deletion of a well or other structure from the plan for augmentation and proposing terms and conditions on which said application should be granted. Until and unless this Court authorizes the deletion of a well or other structure from this plan for augmentation by a decree or order that includes other terms and conditions requiring replacement of ongoing depletions resulting from use of the well or other structure under this plan for augmentation, LAWMA shall replace out-of-priority depletions caused by diversions from the well or other structure while the well or other structure was in this plan for augmentation.
43. Addition of Wells and Structures. LAWMA may add additional wells or structures to this plan for augmentation by filing a new application with the Court to add the well(s), or structure(s) to this plan for augmentation, and obtaining a decree from the Court authorizing the use of the well(s) or structure(s) pursuant to this plan for augmentation. LAWMA shall provide notice of any such application in the manner provided by statute for a new water right application.
44. Change in Type of Use of Wells and Structures Included in this Plan for Augmentation. If, after a well or other structure has been included in this plan for augmentation, the owner of the well or other structure obtains a change of water right to a different use or obtains a new water right for a different use with a consumptive use that is included in Exhibit R to this Decree, then that well or structure may be used for such different use and operated under this plan for augmentation after LAWMA has given written notice of such different use by the well or other structure to the Division Engineer, the counsel of record for the parties and the ARCA giving them a reasonable opportunity to comment on the proposed different use by the well or structure under this plan for augmentation. If, after a well or other structure has been included in this plan for augmentation, the owner of the well or other structure obtains a change of water right to a different use or obtains a new water right for a different use with a consumptive use that is not included in Exhibit R to this Decree, then LAWMA may add such different use to this plan for augmentation by filing an application with the Court to add such different use to this plan for augmentation and to adjudicate a consumptive use factor to be applied to such different use, and obtaining a decree from the Court authorizing such different use and consumptive use factor to be applied to such different use pursuant to this plan for augmentation. LAWMA shall provide notice of any such application in the manner

provided by statute for a new water right application. No different use and consumptive use factor to be applied to such different use shall be added to this Decree except upon Court decree.

45. Accounting for Prior Use of LAWMA Structures. The LAWMA Structures have been diverting water at various times over the past several years for their specified purposes. LAWMA has calculated the depletions to the Arkansas River associated with the operation of the LAWMA Structures since adoption of the Arkansas River Use Rules in 1996. Based on diversions of water from the LAWMA Structures since 1996 there are calculated stream depletions to the Arkansas River associated with the operation of the LAWMA Structures. Those stream depletions have been replaced pursuant to individual substitute water supply plans approved by the State Engineer pursuant to §§ 37-92-308 *et. seq.*, C.R.S., § 37-90-137(11), C.R.S. or the Arkansas River Use Rules. LAWMA has accounted and will account for and replace depletions caused by the use of the LAWMA Structures prior to this Decree.
46. Measurement. The amount of groundwater pumped from each well included in this Decree that is subject to the Rules Governing the Measurement of Tributary Ground Water Diversions in the Arkansas River Basin, effective February 29, 1996 as they may be amended ("Measurement Rules") will be measured in accordance with the Measurement Rules. The amount of surface water diverted by each surface diversion structure will be measured by use of a measuring device that is acceptable to the Division Engineer. All such pumping and diversion measurements shall be recorded on at least a monthly basis. LAWMA shall install and maintain such measurement and recording devices or establish other acceptable measurement methods as required by the Division Engineer.
47. Description of Plan for Augmentation. The following terms and conditions shall apply to the operation of the plan for augmentation:
 - A. Diversions by the LAWMA Structures cause depletions to the Arkansas River and its tributaries. To the extent those depletions are out-of-priority, the purpose of this plan for augmentation is to provide for replacement of such out-of-priority depletions in time, location and amount, under the terms of this Decree. To the extent those depletions are to stateline flows, the purpose of this plan for augmentation is to provide for replacement of all depletions to stateline flows, under the terms of this Decree, except at times when the State Engineer determines there are unusable flows passing the stateline.

- B. Consumptive use for the LAWMA Structures will be determined as more specifically described in Exhibit R to this Decree.
- C. The timing and location of stream depletions caused by diversions of ground water tributary to the Arkansas River by the wells and other structures augmented under this plan will be determined using the aquifer parameters and methodology described in Exhibit S to this Decree.
- D. LAWMA will make releases of augmentation water that is entitled to be fully-consumed, plus additional water that may be required to replace transportation losses, or take credit for water that is entitled to be fully-consumed left undiverted in the stream under the sources described in Section 40, above, and such other water rights as may be purchased or otherwise made available to LAWMA in time, place and amount as needed to replace all out-of-priority depletions caused by the LAWMA Structures and thereby prevent injury to vested water rights and to replace all depletions to the stateline flows caused by the LAWMA Structures, except at times when the State Engineer determines that there are unusable flows passing the stateline. LAWMA will also deliver or transfer water that is entitled to be fully-consumed to the Offset Account in John Martin Reservoir to replace all such depletions to stateline flows caused by the LAWMA Structures. Releases of water that is entitled to be fully-consumed under the sources described in Section 40, above, and credit for water that is entitled to be fully-consumed left undiverted in the stream under the sources described in Section 40, above, will be made as set forth in this Decree from the following described reservoir and/or augmentation stations at the described locations for releases of the required amounts of flow or measured in-stream at the following described stream gauges. To the extent a stream gauge is used, LAWMA will ensure the operation and maintenance of such stream gauge at or above the normal standards of the CDWR/USGS standards for such type of gauge, including CDWR/USGS standards for calibration and frequency of measurements. In addition to the reservoir, augmentation stations and stream gauges described below, LAWMA may temporarily add and/or change the locations at which it releases augmentation water or measures its credits for consumptively usable water left undiverted in the stream upon providing written notice to the counsel of record for the parties and the ARCA and obtaining approval by the CDWR after the CDWR has provided the counsel of record for the parties a reasonable opportunity to comment on LAWMA's proposal. In addition to the reservoir, augmentation stations and stream gauges described below, LAWMA may permanently add and/or change the locations at which it releases augmentation water or measures its credits for consumptively usable water left undiverted in the stream by

petitioning the Court. In seeking such a permanent addition and/or change, LAWMA shall file a petition with the Court under the caption and case number of this Decree, and shall serve a copy of the petition on counsel of record for all parties to this case and the ARCA. The petition shall set forth with particularity the requested permanent addition and/or change and the reason(s) why no injury would result from the requested permanent addition and/or change. LAWMA shall have the initial burden of going forward to establish the *prima facie* facts and the reason(s) why no injury would result from the requested addition and/or change alleged in the petition.

- i. John Martin Reservoir. John Martin Reservoir is described in Section 22.B. of this Decree.
 - ii. Center Farm Augmentation Station. On the Lamar Canal in the SE¼ SE¼, Section 31, T22S, R45W of the 6th P.M., Prowers County, Colorado to release water to the Arkansas River.
 - iii. LAWMA Augmentation Station. On a lateral off of the Fort Bent Ditch in the NE¼ NW¼, Section 1, T23S, R48W of the 6th P.M., Bent County, Colorado to release water to the Arkansas River in the SW¼, Section 36, T22S, R48W of the 6th P.M., Bent County, Colorado.
 - iv. Granada Stream Gauge. In the SE¼ NE¼, Section 36, T22S, R44W of the 6th P.M., Prowers County, Colorado.
 - v. The Highland Canal Stream Gauge. Located below the Highland Canal Diversion Dam on the Purgatoire River in the SW¼, Section 1, T25S, R53W of the 6th P.M., Bent County, Colorado.
- E. On or before March 1 of each year, LAWMA will estimate, for the following April through March period, the allowable well pumpage and diversions for the LAWMA Structures taking into account the stream depletions from past years' well pumping and replacement supplies projected to be available under the sources of augmentation water identified in Section 40 of this Decree. LAWMA will then forecast the yield of the sources of augmentation water identified in Section 40 of this Decree that are available to meet the current year's replacement requirements with sufficient carryover storage and other replacement water sources to meet the following non-irrigation season depletions. The augmented yield will generally be allocated to LAWMA's shareholders pro rata based on common share ownership and a fixed allocation to preferred stock owners, and

the amount of allowable pumping and/or diversions by the LAWMA Structures will be calculated based on the specific depletion factors in this Decree for each well, farm unit or other structure that is included in this plan for augmentation. LAWMA shall first allocate its replacement supplies to replacing depletions from the LAWMA Structures from use in previous years. The annual plan projection shall be provided by LAWMA to the Division Engineer and, upon written request, to any party. At a minimum, the annual plan projection will contain: (1) a tabulation of the LAWMA Structures; (2) a description of the replacement water allocated to replace depletions from the LAWMA Structures from use in previous years; (3) allowable pumping for each alluvial well for the annual period based on the amount of replacement water allocated to said alluvial well divided by the appropriate consumptive use factor described in Exhibit R to this Decree; (4) allowable pumping for each bedrock well for the annual period and the future maximum annual stream depletion caused by pumping of the well over the term it is in this plan for augmentation, the number of shares of preferred stock dedicated to the well and the fixed allocation of replacement water available from the preferred stock; (5) maximum allowable surface area for each gravel pit based on the amount of non-curtable replacement water from preferred stock allocated to said gravel pit; (6) allowable diversions for each diversion structure for the annual period based on the amount of replacement water allocated to said diversion structure divided by the appropriate consumptive use factor described in Exhibit R to this Decree; (7) projected depletions by the LAWMA Structures for the annual period taking into account depletions by the LAWMA structures from use in previous years; and (8) projected replacement requirements by river segment based on actual pumping and diversions and consumable augmentation supplies for the annual period. LAWMA shall annually model the actual stream depletions for the LAWMA Structures based on actual pumping data.

- F. Total pumping by any LAWMA Structure producing from a bedrock aquifer over the time it operates under this plan for augmentation shall not exceed the amount that produces a future maximum annual stream depletion greater than the annual fixed allocation of replacement water from preferred stock dedicated to such well. Any amount of the fixed allocation of replacement water that is not needed in a given year for replacement of stream depletions caused by pumping from such well may be utilized in that year by LAWMA for replacement of depletions caused by other wells or other structures included in this plan for augmentation.
- G. Depletions from the LAWMA Structures included in this plan affect the Arkansas River from La Junta to the Colorado-Kansas stateline. All out-of-priority stream depletions to vested water rights in Colorado shall be replaced under this plan for

augmentation and all depletions to stateline flows caused by the LAWMA Structures shall be replaced under this plan for augmentation, except at times when the State Engineer determines that there are unusable flows passing the stateline.

- H. Any excess consumptive use stream credits at the stateline will be accumulated and carried forward and used against future depletions to stateline flows caused by the LAWMA Structures to the extent allowed by, and in compliance with the requirements of the United States Supreme Court and the Arkansas River Compact.
 - I. Accounting for all these operations under the plan for augmentation will be done by LAWMA in a manner that is acceptable to the State and Division Engineers. The sources of augmentation water included in this plan are adequate to cover the depletions from the LAWMA Structures and LAWMA can and will be able to replace the depletions from the LAWMA Structures at the time and place and in the amount of their occurrence as set forth in this Decree.
48. No Injury. If operated in accordance with the terms and conditions of this Decree, the plan for augmentation will not result in injury to other vested Colorado water rights, will not violate the Compact and should be approved.
49. Approval of Plan for Augmentation. The plan for augmentation is in accordance with law and should be granted subject to the terms of this Decree.

CONCLUSIONS OF LAW

50. Incorporation. The foregoing Findings of Fact are incorporated herein as part of these Conclusions of Law.
51. Consistent with Law. The application is contemplated and authorized by law, *see* § 37-92-302(1)(a), C.R.S.
52. Notice and Jurisdiction. The Water Court for Water Division No. 2 has jurisdiction over the subject matter of these proceedings and over all persons, owners of property and water rights that may be affected hereby, whether or not they have chosen to appear. The original application in this matter, the amendment of the application, and the resume publications of the application and amendment placed such persons on notice of the relief requested by the application and granted by this Decree.

ENTERED this 2 day of March, 2007.

BY THE COURT:

Dennis Maes

Hon. Dennis Maes
Water Judge
Water Division No. 2
State of Colorado

EXHIBIT Q LAWMA STRUCTURES

Name (1)	SEO ID No. (2)	Permit No. (3)	Case No. (4)	Q40 (5)	Q160 (6)	Sec (7)	Ts (8)	Rng (9)	Distance_NS (10)	Distance_EW (11)	County (12)	Source (13)
Powers Enterprises, LLC	6705029	10071 R	W 2695	NW	SE	35	22 S	48 W	1500 S	2680 W	Bent	Arkansas River Valley Fill Aquifer
Powers Enterprises, LLC	6705035	20015 R	418	SW	SW	36	22 S	48 W	40 S	40 W	Bent	Arkansas River Valley Fill Aquifer
Powers Enterprises, LLC	6705037	2906 F	W 2695	SE	SE	33	22 S	48 W	1250 S	800 E	Bent	Arkansas River Valley Fill Aquifer
Powers Enterprises, LLC	6705039	4502 F	W 2695	NE	SE	6	23 S	48 W	2200 S	1050 E	Bent	Arkansas River Valley Fill Aquifer
Powers Enterprises, LLC	6705041	29682 F	83CW 73	SE	NE	6	23 S	48 W	2700 S	700 E	Bent	Arkansas River Valley Fill Aquifer
Powers Enterprises, LLC	6705043	29680 F	83CW 73	SE	NE	5	23 S	48 W	1375 N	1230 E	Bent	Arkansas River Valley Fill Aquifer
Powers Enterprises, LLC	6705044	10073 R	W 2695	SE	NE	5	23 S	48 W	1350 N	1250 E	Bent	Arkansas River Valley Fill Aquifer
Powers Enterprises, LLC	6705045	29681 F	83CW 73	SE	NE	5	23 S	48 W	1500 N	1220 E	Bent	Arkansas River Valley Fill Aquifer
Powers Enterprises, LLC	6705046	10072 R	W 2695	SE	NE	5	23 S	48 W	1600 N	1220 E	Bent	Arkansas River Valley Fill Aquifer
Roth and Sons, John	6705389	6436 R	W 1822	SE	NW	32	22 S	45 W	2550 N	2200 W	Powers	Arkansas River Valley Fill Aquifer
Roth and Sons, John	6705390	4160 F	W 1822	NE	NW	33	22 S	45 W	605 N	1355 W	Powers	Arkansas River Valley Fill Aquifer
Jones, Carl	6705475	5288 F	W1317	SE	SW	7	23 S	43 W	1100 S	1950 W	Powers	Arkansas River Valley Fill Aquifer
Elk Mountain Cattle Co.	6705513	18252 R	W 2060	SW	SE	36	22 S	44 W	320 S	2600 E	Powers	Arkansas River Valley Fill Aquifer
Elk Mountain Cattle Co.	6705514	6795 F	W 2060	NW	NE	1	23 S	44 W	20 N	2000 E	Powers	Arkansas River Valley Fill Aquifer
Division of Wildlife (X-Y Ranch)	6705521	5882 R	W 2104	SW	SW	6	23 S	43 W	1300 S	170 W	Powers	Arkansas River Valley Fill Aquifer
Division of Wildlife (X-Y Ranch)	6705522	5881 R	W 2104	NW	NW	7	23 S	43 W	1210 N	635 W	Powers	Arkansas River Valley Fill Aquifer
Division of Wildlife (X-Y Ranch)	6705523	5880 R	W 2104	SW	NW	7	23 S	43 W	1600 N	820 W	Powers	Arkansas River Valley Fill Aquifer
Division of Wildlife (X-Y Ranch)	6705524	19467 U	W 2104	NW	SW	7	23 S	43 W	2640 S	85 W	Powers	Arkansas River Valley Fill Aquifer
Division of Wildlife (X-Y Ranch)	6705525	5879 R	W 2104	SE	SE	8	23 S	43 W	700 S	120 E	Powers	Arkansas River Valley Fill Aquifer
Division of Wildlife (X-Y Ranch)	6705526	19467 T	W 2104	NW	NW	16	23 S	43 W	750 N	1175 W	Powers	Arkansas River Valley Fill Aquifer
Lower Arkansas Water Management Association	6705527	5878 R	W 2104	SW	NE	16	23 S	43 W	1850 N	1930 E	Powers	Arkansas River Valley Fill Aquifer
Division of Wildlife (X-Y Ranch)	6705528	10158 F	W 2104	SW	NE	16	23 S	43 W	1350 N	1775 E	Powers	Arkansas River Valley Fill Aquifer
J-S Farms	6705530	5877 R	W 2104	SW	NE	16	23 S	43 W	2600 N	2250 E	Powers	Arkansas River Valley Fill Aquifer
Lower Arkansas Water Management Association	6705532	5883 R	W 2104	NE	SW	15	23 S	43 W	2550 S	2580 W	Powers	Arkansas River Valley Fill Aquifer
Roth and Sons, John	6705655	2824 R	W 1822	NW	SW	32	22 S	45 W	2575 S	305 W	Powers	Arkansas River Valley Fill Aquifer
Roth and Sons, John	6705656	6435 R	W 1822	NW	NW	33	22 S	45 W	620 N	700 W	Powers	Arkansas River Valley Fill Aquifer
Roth and Sons, John	6705657	4229 F	W 1822	NE	NE	32	22 S	45 W	810 N	35 E	Powers	Arkansas River Valley Fill Aquifer
Powers Enterprises, LLC	6706021	51981 F	---	NE	SE	6	23 S	48 W	2200 S	1100 E	Bent	Arkansas River Valley Fill Aquifer
Arambel Ranch	6705866	197613	---	NE	SE	17	22 S	42 W	2580 S	870 E	Powers	Arkansas River Valley Fill Aquifer
City of Lamar	6705030	3655 R	W-418	NW	SE	32	24 S	46 W			Powers	Clay Creek Alluvium
City of Lamar	6705244	20018 Y	W-4015	NW	SW	3	23 S	46 W	1725 S	600 W	Powers	Clay Creek Alluvium
City of Lamar	6705245	20018 X	W-4015	SW	SW	3	23 S	46 W	1000 S	1250 W	Powers	Clay Creek Alluvium
City of Lamar	6705246	20018 W	W-4015	NE	NW	10	23 S	46 W	350 N	1425 W	Powers	Clay Creek Alluvium
City of Lamar	6705247	20018 V	W-4015	NW	NW	10	23 S	46 W	1310 N	1150 W	Powers	Clay Creek Alluvium
City of Lamar	6705248	20018 U	W-4015	SW	NW	10	23 S	46 W	2125 N	975 W	Powers	Clay Creek Alluvium
City of Lamar	6705249	20018 T	W-4015	NE	SW	10	23 S	46 W	2400 S	2450 W	Powers	Clay Creek Alluvium
City of Lamar	6705250	20018 S	W-4015	SE	SW	10	23 S	46 W	1310 S	2525 W	Powers	Clay Creek Alluvium
City of Lamar	6705251	20018 R	W-4015	SE	SW	10	23 S	46 W	450 S	2575 W	Powers	Clay Creek Alluvium
City of Lamar	6705252	19937 V	W-4015	NE	NW	15	23 S	46 W	525 N	1800 W	Powers	Clay Creek Alluvium
City of Lamar	6705253	19937 U	W-4015	SW	NW	15	23 S	46 W	1825 N	715 W	Powers	Clay Creek Alluvium
City of Lamar	6705254	19937 S	W-4015	NW	SW	15	23 S	46 W	2640 S	1000 W	Powers	Clay Creek Alluvium
City of Lamar	6705255	19937 R	W-4015	SW	SW	15	23 S	46 W	1319 S	650 W	Powers	Clay Creek Alluvium

EXHIBIT Q LAWMA STRUCTURES

Name (1)	SEO ID No. (2)	Permit No. (3)	Case No. (4)	Q40 (5)	Q160 (6)	Sec (7)	Ts (8)	Rng (9)	Distance_NS (10)	Distance_EW (11)	County (12)	Source (13)
City of Lamar	6705256	18309 V	W-4015	SW	SW	15	23 S	46 W	550 S	400 W	Powers	Clay Creek Alluvium
City of Lamar	6705257	18309 W	W-4015	SW	NW	22	23 S	46 W	2000 N	1285 W	Powers	Clay Creek Alluvium
City of Lamar	6705258	18309 U	W-4015	NE	NW	22	23 S	46 W	600 N	1850 W	Powers	Clay Creek Alluvium
City of Lamar	6705259	18309 X	W-4015	NW	NW	22	23 S	46 W	600 N	500 W	Powers	Clay Creek Alluvium
City of Lamar	6705260	18309 S	W-4015	SW	NW	22	23 S	46 W	2700 S	675 W	Powers	Clay Creek Alluvium
City of Lamar	6705261	18309 T	W-4015	SE	SW	22	23 S	46 W	300 S	2100 W	Powers	Clay Creek Alluvium
City of Lamar	6705262	4003 F	W-706	NE	SE	8	24 S	46 W	1730 S	200 E	Powers	Clay Creek Alluvium
City of Lamar	6705263	18309 R	W-4015	NE	NW	27	23 S	46 W	570 N	2200 W	Powers	Clay Creek Alluvium
City of Lamar	6705264	3808 F	W-1051	SE	SE	33	23 S	46 W	1300 S	625 E	Powers	Clay Creek Alluvium
City of Lamar	6705265	3809 F	W-1051	SW	NE	33	23 S	46 W	1900 N	1550 E	Powers	Clay Creek Alluvium
City of Lamar	6705266	3747 F	W-1051	SW	NW	9	24 S	46 W	2600 N	75 W	Powers	Clay Creek Alluvium
City of Lamar	6705267	3390 F	W-706	NE	SE	8	24 S	46 W	2550 S	500 E	Powers	Clay Creek Alluvium
City of Lamar	6705268	3391 F	W-706	NE	SE	8	24 S	46 W	2050 S	800 E	Powers	Clay Creek Alluvium
City of Lamar	6705269	10750 F	W-1051	NW	SE	21	24 S	46 W	2175 S	1950 E	Powers	Clay Creek Alluvium
City of Lamar	6705270	10748 F	W-1051	NE	NE	28	24 S	46 W	580 N	200 E	Powers	Clay Creek Alluvium
City of Lamar	6705271	10749 F	W-1051	NW	NE	33	24 S	46 W	1000 N	2550 E	Powers	Clay Creek Alluvium
City of Lamar	6705388	21767 F	W-1609	NW	NW	20	23 S	46 W	800 N	350 W	Powers	Clay Creek Alluvium
City of Lamar	6705398	18309 Y	W-4015	NE	NW	27	23 S	46 W	200 N	1975 W	Powers	Clay Creek Alluvium
City of Lamar	6705423	3746 F	W-1051	NW	NE	33	23 S	46 W			Powers	Clay Creek Alluvium
City of Lamar	6705424	19151 R		NW	NW	22	23 S	46 W			Powers	Clay Creek Alluvium
City of Lamar	6705760	19937 T	W-4015	NE	NW	22	23 S	46 W			Powers	Clay Creek Alluvium
City of Lamar	6705910	78 RF	W-1609	NE	NW	22	23 S	46 W			Powers	Clay Creek Alluvium
City of Lamar	6705372	15270 R		NW	NW	31	22 S	46 W	1000 N	1275 W	Powers	Arkansas River Valley Fill Aquifer
City of Lamar	6706337	47754 F		NW	SE	31	22 S	46 W			Powers	Arkansas River Valley Fill Aquifer
City of Lamar	6706338	47755 F		SW	SW	31	22 S	46 W			Powers	Arkansas River Valley Fill Aquifer
City of Lamar	6706339	47753 F									Powers	Willow Creek Alluvium
City of Lamar	6705292	Unreg.		SE	NW	32	22 S	46 W	2000 N	1350 W	Powers	Arkansas River Valley Fill Aquifer
City of Lamar	6705293	Unreg.		SE	NW	32	22 S	46 W	2050 N	1350 W	Powers	Arkansas River Valley Fill Aquifer
City of Lamar (Shop Well)	6706397	61987 F	---	NE	SE	31	22 S	46 W	2100 S	850 E	Powers	Arkansas River Valley Fill Aquifer
Colorado Beef	6705107	42942 F		NE	NW	31	22 S	47 W	300 N	1800 W	Powers	Arkansas River Valley Fill Aquifer
Colorado Beef	6705108	42941 F		SE	SW	30	22 S	47 W	5100 N	1800 W	Powers	Arkansas River Valley Fill Aquifer
Colorado State Parks (Lake Hasly)	6705299	45243 F	---	SW	SE	5	23 S	49 W	1105 S	2515 E	Bent	Arkansas River Valley Fill Aquifer
		55481 F										
Division of Wildlife (X-Y Ranch)	6705520	19467 R	---	NE	NE	7	23 S	43 W	1200 N	450 E	Powers	Arkansas River Valley Fill Aquifer
Division of Wildlife (X-Y Ranch)	6705515	55482 F	---	SW	NE	6	23 S	43 W	2600 N	2620 E	Powers	Arkansas River Valley Fill Aquifer
Division of Wildlife (X-Y Ranch)	6705517	55483 F	---	NE	SE	5	23 S	43 W			Powers	Arkansas River Valley Fill Aquifer
Division of Wildlife (X-Y Ranch)	6705516	6533 F	---	SE	SE	5	23 S	43 W	1775 S	510 E	Powers	Arkansas River Valley Fill Aquifer
Division of Wildlife (X-Y Ranch)	6705519	5708 FR	---	NW	NW	8	23 S	43 W	2024 N	1814 W	Powers	Arkansas River Valley Fill Aquifer
Division of Wildlife (X-Y Ranch)	6705518	9573 F	---	SE	NE	8	23 S	43 W	928 N	1076 W	Powers	Arkansas River Valley Fill Aquifer
Lamar Light and Power	6705277	3405 RF	02CW089	SW	SW	29	22 S	46 W	1490 N	55 E	Powers	Arkansas River Valley Fill Aquifer
									1200 S	300 W	Powers	Arkansas River Valley Fill Aquifer

EXHIBIT Q LAWMA STRUCTURES

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Las Animas Golf Course	1706249	49081 F	---	NE	SE	3	23 S	52 W	2200 S	500 E	Bent	Arkansas River Valley Fill Aquifer
Mike Dutton	1705708	53681 F	---	NE	NE	29	23 S	54 W	1210 N	790 E	Otero	Arkansas River Valley Fill Aquifer
Prowers County Grazing, Inc.	6705432	57924 F	---	SW	NE	9	21 S	45 W	1525 N	2495 E	Prowers	Big Sandy Creek Alluvium
Prowers County Grazing, Inc.	6706376	52927 F	---	SE	NW	9	21 S	45 W	1525 N	2600 E	Prowers	Big Sandy Creek Alluvium
Prowers County Grazing, Inc.	6706381	57925 F	---	NE	SW	9	21 S	45 W	2500 S	2200 W	Prowers	Big Sandy Creek Alluvium
Granada Feeders, LLC	6705495	55777 F	00CW129	NE	NW	22	23 S	44 W	20 N	1875 W	Prowers	Arkansas River Valley Fill Aquifer
U.S. Corps of Engineers (Lake Hasty)	6705300	45242 F	---	NE	NE	8	23 S	49 W	655 N	1230 E	Bent	Arkansas River Valley Fill Aquifer
Wiley School	6705224	48076 F	---	NW	NW	8	22 S	47 W	590 N	230 E	Prowers	Arkansas River Valley Fill Aquifer
Bentwood Ranch, LLC	---	239888	---	NE	NE	25	22 S	45 W	220 N	230 E	Prowers	Arkansas River Valley Fill Aquifer
Jeffrey L. Vap	Vap Pond	---	---	NW	NE	6	23 S	48 W	750 N	2150 E	Bent	Arkansas River Valley Fill Aquifer
Beef City, Inc	---	245510	---	SE	SE	5	22 S	48 W	20 S	1115 E	Bent	Dakota Aquifer
Beef City, Inc	---	245870	---	SE	SW	5	22 S	48 W	75 S	2768 E	Bent	Dakota Aquifer
Beef City, Inc	---	245871	---	SW	SW	4	22 S	48 W	20 S	50 W	Bent	Dakota Aquifer
Beef City, Inc	---	246341	---	SE	SW	4	22 S	48 W	50 S	2043 W	Bent	Dakota Aquifer
Beef City, Inc	---	246342	---	SW	SW	4	22 S	48 W	50 S	1083 W	Bent	Dakota Aquifer
Beef City, Inc	---	247717	---	SW	SW	33	21 S	48 W	1307 S	50 W	Bent	Dakota Aquifer
Beef City, Inc	---	247716	03CW70	SW	SE	4	22 S	48 W	50 S	3940 W	Bent	Dakota Aquifer
Beef City, Inc	---	249776	03CW70	SE	SW	4	22 S	48 W	50 S	2500 W	Bent	Cheyenne Aquifer
Beef City, Inc	---	250973	03CW70	SE	SW	5	22 S	48 W	75 S	2768 E	Bent	Cheyenne Aquifer
WhiteStone Farms, LLC (Dry Creek)	6706348	50385 F	---	SE	SW	32	23 S	47 W	83 S	2508 W	Prowers	Cheyenne Aquifer
WhiteStone Farms, LLC (Dry Creek)	6706349	50386 F	---	SE	SE	32	23 S	47 W	69 S	112 E	Prowers	Cheyenne Aquifer
WhiteStone Farms, LLC (Dry Creek)	6706347	50387 F	---	SW	SW	32	23 S	47 W	109 S	1182 W	Prowers	Dakota Aquifer
Bristol-Granada Cemetery District	6706217	55009 F	---	SE	NE	23	22 S	44 W	1720 N	180 E	Prowers	Fort Hay's Aquifer
Colorado Pork, LLC	6706356	49699 F	---	NW	NE	27	24 S	47 W	50 N	2610 E	Prowers	Cheyenne Aquifer
Colorado Pork, LLC	6706367	51716 F	---	NW	NE	27	24 S	47 W	100 N	1810 E	Prowers	Cheyenne Aquifer
Granada Water Association	6706382	57125 F	---	SW	SE	2	22 S	45 W	75 S	2400 E	Prowers	Dakota Aquifer
Lamar Community College	6706384	58509 F	---	NE	NE	7	23 S	46 W	700 N	695 E	Prowers	Dakota Aquifer
DiRezza Land and Cattle	1706360	49656 F	---	SW	NE	33	22 S	53 W	1625 N	1856 E	Bent	68% Dakota / 32% Cheyenne Aquifer
Mountain Prairie, LLC	1706416	61653 F	---	NW	NW	2	24 S	52 W	700 N	900 W	Bent	Cheyenne Aquifer
Mountain Prairie, LLC	1706420	61656 F	---	NE	NW	11	24 S	52 W	1100 N	2300 W	Bent	Cheyenne Aquifer
Mountain Prairie, LLC	1706421	61664 F	---	SW	SE	11	24 S	52 W	900 S	2300 E	Bent	Cheyenne Aquifer
Mountain Prairie, LLC	1706417	61666 F	---	SE	NE	2	24 S	52 W	1400 N	700 E	Bent	Cheyenne Aquifer
Mountain Prairie, LLC	1706418	61670 F	---	SW	SW	2	24 S	52 W	800 S	750 W	Bent	Cheyenne Aquifer
Mountain Prairie, LLC	1706415	61675 F	---	NE	NE	2	24 S	52 W	800 N	600 E	Bent	Cheyenne Aquifer
Mountain Prairie, LLC	1706419	61674 F	---	NW	NE	11	24 S	52 W	400 N	2300 E	Bent	Cheyenne Aquifer
Mountain Prairie, LLC	1706422	56190 F	---	SW	SE	11	24 S	52 W	150 S	2300 E	Bent	Cheyenne Aquifer
Mountain Prairie, LLC	1706216	61678 F	---	SW	NW	2	24 S	52 W	2840 S	180 W	Bent	Cheyenne Aquifer
Mountain Prairie, LLC	1706423	61695 F	---	SE	NE	2	24 S	52 W	2300 N	150 E	Bent	Dakota/Cheyenne Aquifer
Mountain Prairie, LLC	1706220	61694 F	---	NW	NW	27	24 S	52 W	100 N	650 W	Bent	Dakota/Cheyenne Aquifer
Mountain Prairie, LLC	1706488	61450 F	---	SE	SE	14	24 S	52 W	100 S	100 E	Bent	Cheyenne Aquifer
Mountain Prairie, LLC	1706487	61449 F	---	SE	SE	23	24 S	52 W	100 S	100 E	Bent	Cheyenne Aquifer

EXHIBIT Q LAWMA STRUCTURES

Name (1)	SEO ID No. (2)	Permit No. (3)	Case No. (4)	Q40 (5)	Q160 (6)	Sec (7)	Ts (8)	Rng (9)	Distance_NS (10)	Distance_EW (11)	County (12)	Source (13)
Pioneer Pork, LLC	6706340	47879	F	SE	SW	30	27 S	44 W	50 S	1607 W	Powers	Dakota Aquifer
WhiteStone Farms, LLC (Rocky Ridge)	6706359	50644	FR	SE	NE	20	23 S	49 W	1411 N	683 E	Bent	Cheyenne Aquifer
WhiteStone Farms, LLC (Rocky Ridge)	6706360	50645	F	SW	NE	20	23 S	49 W	1411 N	1323 E	Bent	Cheyenne Aquifer
WhiteStone Farms, LLC (Rocky Ridge)	6706368	54278	F	SE	NE	20	23 S	49 W	1950 N	2200 E	Bent	Dockum Aquifer
R. E. Turpin Trust	6706361	62575	---	SW	SW	31	21 S	46 W	890 S	237 W	Powers	Dakota Aquifer
R. E. Turpin Trust	6706332	131397	A	---	SW	31	21 S	46 W	1188 S	657 W	Powers	Dakota Aquifer
Granada Feeders, LLC	---	248443	---	NW	NW	22	23 S	44 W	705 N	880 W	Powers	Dakota Aquifer
Granada Feeders, LLC	---	---	---	NW	SW	22	23 S	44 W	1400 S	150 W	Powers	Dakota Aquifer
Granada Feeders, LLC	---	247973	---	NW	NW	22	23 S	44 W	735 N	950 W	Powers	Cheyenne Aquifer
Granada Feeders, LLC	---	---	---	NW	SW	22	23 S	44 W	1500 S	300 W	Powers	Cheyenne Aquifer
Midwestern Farms Resources	6705785	54629	F	NW	SW	18	23 S	42 W	2575 S	225 E	Powers	Arkansas River Valley Fill Aquifer
Midwestern Farms Resources (M-93-59)	---	53050	F	---	NE	NW	18	23 S	42 W	---	Powers	Arkansas River Valley Fill Aquifer
All Rite Paving & Redi-Mix, Inc.	6705953	47192	F	---	SW	NE	30	22 S	46 W	1540 E	Powers	Arkansas River Valley Fill Aquifer
All Rite Paving & Redi-Mix, Inc. (M-87-79)	6705999	47193	F	---	SW	NW	30	22 S	46 W	---	Powers	Arkansas River Valley Fill Aquifer
Powers County (M-97-16)	6706357	49444	F	---	SE	NW	26	22 S	46 W	---	Powers	Arkansas River Valley Fill Aquifer
Carder, Inc. (Hard Scrabble Pit) (M-98-46)	6706366	51673	F	---	SE	SE	28	22 S	47 W	500 E	Powers	Arkansas River Valley Fill Aquifer
Bent County Ready-Mix (M-95-7)	1706490	48758	F	---	NW	NE	8	23 S	52 W	---	Bent	Arkansas River Valley Fill Aquifer
Eastern Colorado Aggregates, LLLP (M-01-41)	6706388	56441	F	---	SW	NE	26	22 S	46 W	---	Powers	Arkansas River Valley Fill Aquifer
Carder, Inc. (J-S Farms Pit) (M-96-46)	6706362	46899	F	---	SW	NW	29	22 S	46 W	---	Powers	Arkansas River Valley Fill Aquifer
Ritchie Paving, Inc. (Fletcher Pit) (M-02072)	6706389	58964	F	---	NE	24	23 S	42 W	---	---	Powers	Arkansas River Valley Fill Aquifer
Division of Wildlife	Dawn Pond	---	---	---	---	35	22 S	53 W	---	---	Bent	Adobe Creek
Division of Wildlife	Las Animas Fish Hatchery	---	---	---	---	23	22 S	53 W	---	---	Bent	Adobe Creek
Halde Sand & Gravel, Inc.	Halde Spring	---	---	NW	NW	4	12 S	53 W	350 N	1000 W	Lincoln	Coon Creek
Bentwood Ranch, LLC	Grant's Pond	---	---	SE	NW	25	22 S	45 W	2400 N	2500 W	Powers	Goodale Slough

* Permit Application receipt number

EXHIBIT R

- A. Consumptive use for gravel pit structures to be augmented under this plan will be based on the "General Guidelines for Substitute Water Supply Plans for Sand and Gravel Pits Submitted to the State Engineer Pursuant to SB 89-120 and SB 93-260" Specifically,

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- i. Consumptive use caused by evaporation losses from the gravel pit LAWMA structures shall be calculated by multiplying the measured exposed water surface area for the gravel pit by the rate of net evaporation for the days of exposed water surface. LAWMA shall use the average net evaporation values (gross evaporation minus effective precipitation) shown in the following table for the appropriate weather station closest to the gravel pit to calculate such losses. Consumptive use for pre-existing phreatophytes, if any, will be calculated and approved by the State Engineer before reducing the values shown below for pre-existing phreatophytes.

<u>Month</u>	<u>Holly</u>	<u>Net Evaporation (acre-feet per acre)</u>		
		<u>Lamar</u>	<u>John Martin Dam</u>	<u>Las Animas</u>
January	0.13	0.12	0.13	0.12
February	0.16	0.15	0.15	0.15
March	0.24	0.22	0.23	0.22
April	0.39	0.37	0.37	0.36
May	0.48	0.46	0.46	0.45
June	0.60	0.59	0.60	0.59
July	0.64	0.62	0.60	0.59
August	0.56	0.55	0.54	0.55
September	0.44	0.43	0.42	0.41
October	0.30	0.30	0.29	0.29
November	0.18	0.17	0.17	0.16
December	<u>0.14</u>	<u>0.13</u>	<u>0.13</u>	<u>0.13</u>
Total	4.26	4.11	4.09	4.02

- ii. Consumptive use caused by the loss of water contained in the mined product excavated from below the ground water table shall be calculated as 4 percent of the mined product by weight.
- iii. Consumptive use caused by the washing of the mined product excavated from above the ground water table shall be calculated as 4 percent of the mined product by weight.
- iv. Consumptive use caused by the use of water for dust suppression and concrete or asphalt production shall be calculated as 100 percent of the water diverted for such uses.

- B. Consumptive use caused by evaporation from exposed water surfaces for ponds and other structures shall be calculated by multiplying the measured surface area for the pond or other structure by the rate of net evaporation for the days of exposed water surface. LAWMA shall use the appropriate values in the above table in Section A.i. of this Exhibit to calculate such evaporation losses from on-channel ponds. The monthly evaporation rates used to calculate evaporation losses from off-channel ponds will be calculated by multiplying the measured surface area for the pond or other structure by the following rates of gross evaporation for the days of exposed water surface for the station closest to the pond:

<u>Month</u>	<u>Gross Evaporation (acre-feet per acre)</u>			
	<u>Holly</u>	<u>Lamar</u>	<u>John Martin Dam</u>	<u>Las Animas</u>
January	0.16	0.15	0.15	0.14
February	0.18	0.18	0.17	0.17
March	0.28	0.28	0.27	0.26
April	0.47	0.45	0.44	0.43
May	0.62	0.60	0.58	0.57
June	0.75	0.73	0.70	0.69
July	0.78	0.75	0.73	0.71
August	0.70	0.68	0.65	0.64
September	0.52	0.50	0.48	0.48
October	0.36	0.35	0.34	0.33
November	0.21	0.20	0.19	0.19
December	<u>0.16</u>	<u>0.15</u>	<u>0.15</u>	<u>0.14</u>
Total	5.19	5.02	4.85	4.75

- C. Consumptive use for turf grass, gardens, shrubs, trees, and flowers shall be calculated as 65 percent of the amount diverted for flood irrigation, 85 percent of the amount diverted for sprinkler irrigation, and 100 percent of the amount diverted for drip irrigation.
- D. Consumptive use for agricultural irrigation shall be calculated as 68 percent of the amount diverted for flood irrigation, 85 percent of the amount diverted for sprinkler irrigation, 95 percent of the amount diverted for sprinkler irrigation using Low Energy Precision Application (LEPA) equipment and practices, and 100 percent of the amount diverted for drip irrigation.
- E. Consumptive use for in-house uses for single-family and multi-family homes shall be calculated as 5 percent of the amount diverted for households using central wastewater collection and treatment systems and 10 percent of the amount diverted for households using individual septic tank leach field disposal systems.

- F. Consumptive use for in-building municipal uses shall be calculated as 5 percent of the amount diverted for entities using central wastewater collection and treatment systems and 10 percent of the amount diverted for entities using individual septic tank leach field systems.
- G. Consumptive use for commercial truck washing shall be calculated as 100 percent of the water diverted for such use.
- H. Consumptive use for swine production facilities shall be calculated as 100 percent of the water diverted for such use.
- I. Consumptive use for cattle feedlots and stock watering shall be calculated as 100 percent of the water diverted for such use.
- J. Consumptive use for water sales and water hauled offsite shall be calculated as 100 percent of the water diverted for such use.
- K. Consumptive use caused by evaporation losses from the DOW Dawn Pond shall be calculated by multiplying the surface area for the ponds by the rate of net evaporation for the days that the ponds contain water. LAWMA shall use the monthly rates in the following table to calculate such evaporation losses.

<u>Month</u>	<u>Dawn Pond Feet of Evaporation per Exposed Surface Acre</u>
January	0.12
February	0.14
March	0.22
April	0.36
May	0.44
June	0.59
July	0.57
August	0.54
September	0.41
October	0.28
November	0.16
December	<u>0.12</u>
Total	3.95

- L. Consumptive use for DOW's X-Y Ranch moist soil impoundments will be calculated as 68 percent of the amount pumped by the wells used to fill the impoundments.

Exhibit S
Pertinent Information for Determining Depletions Caused by the LAWMA Structures

Name (1)	Wellhead Depletion Rate (2)	SEO ID No. (3)	Permit No. (4)	Source (7)	Lagging Method (8)	T (9)	S (10)	d (11)	Z1 (12)	Z2 (13)
Powers Enterprises, LLC	Exh R (p.d)	6705029	10071	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 16)					
Powers Enterprises, LLC	Exh R (p.d)	6705035	20015	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 16)					
Powers Enterprises, LLC	Exh R (p.d)	6705037	2906	F Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 16)					
Powers Enterprises, LLC	Exh R (p.d)	6705039	4502	F Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 16)					
Powers Enterprises, LLC	Exh R (p.d)	6705041	29682	F Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 16)					
Powers Enterprises, LLC	Exh R (p.d)	6705043	29680	F Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 16)					
Powers Enterprises, LLC	Exh R (p.d)	6705044	10073	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 16)					
Powers Enterprises, LLC	Exh R (p.d)	6705045	29881	F Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 16)					
Powers Enterprises, LLC	Exh R (p.d)	6705046	10072	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 16)					
Roth and Sons, John	Exh R (p.d)	6705389	6436	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 18)					
Roth and Sons, John	Exh R (p.d)	6705390	4160	F Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 18)					
Jones, Carl	Exh R (p.d)	6705475	5288	F Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Elk Mountain Cattle Co.	Exh R (p.d)	6705513	18252	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Elk Mountain Cattle Co.	Exh R (p.d)	6705514	6795	F Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Division of Wildlife (X-Y Ranch)	Exh R (p.d)	6705521	5882	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Division of Wildlife (X-Y Ranch)	Exh R (p.d)	6705522	5881	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Division of Wildlife (X-Y Ranch)	Exh R (p.d)	6705523	5880	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Division of Wildlife (X-Y Ranch)	Exh R (p.d)	6705524	19467	U Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Division of Wildlife (X-Y Ranch)	Exh R (p.d)	6705525	5879	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Division of Wildlife (X-Y Ranch)	Exh R (p.d)	6705526	19467	T Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Lower Arkansas Water Management Association	Exh R (p.d)	6705527	5878	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Division of Wildlife (X-Y Ranch)	Exh R (p.d)	6705528	10158	F Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
J-S Farms	Exh R (p.d)	6705530	5877	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Lower Arkansas Water Management Association	Exh R (p.d)	6705532	5883	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Roth and Sons, John	Exh R (p.d)	6705535	2824	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 18)					
Roth and Sons, John	Exh R (p.d)	6705556	6435	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 18)					
Roth and Sons, John	Exh R (p.d)	6705557	4229	F Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 18)					
Powers Enterprises, LLC	Exh R (p.d)	6706021	51981	F Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 16)					
Arambel Ranch	100.0%	6705866	197613	Arkansas River Valley Fill Aquifer	Not necessary					
City of Lamar	Footnote E	6705030	3655	R Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705244	20018	X Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705245	20018	X Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705246	20018	W Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705247	20018	V Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705248	20018	U Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705249	20018	T Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705250	20018	S Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705251	20018	R Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705252	19837	V Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705253	19837	U Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705254	19837	S Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705255	19837	R Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705256	18309	V Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705257	18309	W Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705258	18309	U Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705259	18309	X Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705260	18309	S Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705261	18309	T Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705262	4003	F Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705263	18309	R Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705264	3808	F Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705265	3809	F Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705266	3747	F Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705267	3390	F Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705268	3391	F Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					

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Exhibit S Pertinent Information for Determining Depletions Caused by the LAWMA Structures

Name (1)	Wellhead Depletion Rate (2)	SEO ID No. (3)	Permit No. (4)	Source (7)	Lagging Method (8)	Glover Input				
						T (9)	S (10)	d (11)	Z1 (12)	Z2 (13)
City of Lamar	Footnote E	6705269	10750	F Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705270	10748	F Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705271	10749	F Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705388	21767	F Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705398	18309	Y Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705423	3746	F Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705424	19151	R Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705760	19937	T Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	Footnote E	6705910	78	RF Clay Creek Alluvium	Glover sdf=5825 days (USGS OF 72-192)					
City of Lamar	85.0%	6705372	15270	R Arkansas River Valley Fill Aquifer	Glover sdf=175 days (USGS OF 72-192)					
City of Lamar	85.0%	6706337	47754	F Arkansas River Valley Fill Aquifer	Glover sdf=175 days (USGS OF 72-192)					
City of Lamar	85.0%	6706338	47755	F Arkansas River Valley Fill Aquifer	Glover sdf=175 days (USGS OF 72-192)					
City of Lamar	85.0%	6706339	47753	F Willow Creek Alluvium	Glover sdf=175 days (USGS OF 72-192)					
City of Lamar	85.0%	6705292	Unreg.	Arkansas River Valley Fill Aquifer	Glover sdf=175 days (USGS OF 72-192)					
City of Lamar	85.0%	6705293	Unreg.	Arkansas River Valley Fill Aquifer	Glover sdf=175 days (USGS OF 72-192)					
City of Lamar (Shop Well)	100.0%	6706397	19987	F Arkansas River Valley Fill Aquifer	Glover sdf=175 days (USGS OF 72-192)					
Colorado Beef	100.0%	6705107	42942	F Arkansas River Valley Fill Aquifer	Glover sdf=7.5 days (USGS OF 72-192)					
Colorado Beef	100.0%	6705108	42941	F Arkansas River Valley Fill Aquifer	Glover sdf=7.5 days (USGS OF 72-192)					
Colorado State Parks (Lake Hasty)	65.0%	6705299	45243	F Arkansas River Valley Fill Aquifer	No delayed well depletions					
			55481	F						
Division of Wildlife (X-Y Ranch)	68.0%	6705520	19467	R Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Division of Wildlife (X-Y Ranch)	68.0%	6705515	55482	F	CO ground water accounting model (User 21)					
Division of Wildlife (X-Y Ranch)	68.0%	6705517	55483	F	CO ground water accounting model (User 21)					
Division of Wildlife (X-Y Ranch)	68.0%	6705516	6533	F Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Division of Wildlife (X-Y Ranch)	68.0%	6705519	5708	FR Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Division of Wildlife (X-Y Ranch)	68.0%	6705518	6534	FR Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Division of Wildlife (X-Y Ranch)	68.0%	6705518	9573	F Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 21)					
Lamar Light and Power	100.0%	6705277	3405	RF Arkansas River Valley Fill Aquifer	Glover sdf=7.5 days (USGS OF 72-192)					
Las Animas Golf Course	85.0%	1706249	49081	F Arkansas River Valley Fill Aquifer	Glover sdf=65 days (USGS OF 72-192)					
Mike Dutton	100.0%	1705708	53681	F Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 10)					
Prowers County Grazing, Inc.	100.0%	6705432	57924	F Big Sandy Creek Alluvium	Glover, edge of aquifer=18,480'	50000	0.2	13200		
Prowers County Grazing, Inc.	85.0%	6706376	52927	F Big Sandy Creek Alluvium	Glover, edge of aquifer=18,480'	50000	0.2	13200		
Prowers County Grazing, Inc.	85.0%	6706381	57925	F Big Sandy Creek Alluvium	Glover, edge of aquifer=18,480'	50000	0.2	13200		
Granada Feeders, LLC	100.0%	6705495	55777	F Arkansas River Valley Fill Aquifer	CO ground water accounting model (User 18)					
U.S. Corps of Engineers (Lake Hasty)	65.0%	6705300	45242	F Arkansas River Valley Fill Aquifer	No delayed well depletions					
Wiley School	85.0%	6705224	48076	F Arkansas River Valley Fill Aquifer	Glover	100000	0.20	1800		
Bentwood Ranch, LLC	100.0%	---	239888	Arkansas River Valley Fill Aquifer	Glover sdf=65 days (USGS OF 72-192)					
Jeffrey L. Vap-Vap Pond	Exn R (p.B)	---	---	Arkansas River Valley Fill Aquifer	Glover					
Beef City, Inc	100.0%	---	245510	Dakota Aquifer	Glover	1650	0.01	22940	-26000	99999
Beef City, Inc	100.0%	---	245870	Dakota Aquifer	Glover	1650	0.01	22940	-26000	99999
Beef City, Inc	100.0%	---	245871	Dakota Aquifer	Glover	1650	0.01	22940	-26000	99999
Beef City, Inc	100.0%	---	246341	Dakota Aquifer	Glover	1650	0.01	22940	-26000	99999
Beef City, Inc	100.0%	---	246342	Dakota Aquifer	Glover	1650	0.01	22940	-26000	99999
Beef City, Inc	100.0%	---	247717	Dakota Aquifer	Glover	1650	0.01	22940	-26000	99999
Beef City, Inc	100.0%	---	247716	Dakota Aquifer	Glover	1650	0.01	22940	-26000	99999
Beef City, Inc	100.0%	---	249776	Cheyenne Aquifer	Glover	1500	0.0005	183300	0	4500
Beef City, Inc	100.0%	---	250973	Cheyenne Aquifer	Glover	1500	0.0005	183300	0	4500
WhiteStone Farms, LLC (Dry Creek)	100.0%	6706348	50385	F Cheyenne Aquifer	Glover	1530	0.0005	118800	0	4500
WhiteStone Farms, LLC (Dry Creek)	100.0%	6706349	50386	F Cheyenne Aquifer	Glover	1530	0.0005	118800	0	4500
WhiteStone Farms, LLC (Dry Creek)	100.0%	6706347	50387	F Dakota Aquifer	Glover	750	0.01	27100	0	99999
WhiteStone Farms, LLC (Dry Creek)	100.0%	6706217	55009	F Fort Hays Aquifer	Glover	500	0.01	8000	-3650	3650
Bristol-Granada Cemetery District	85.0%	6706356	49699	F Cheyenne Aquifer	Glover	1500	0.0005	93850	0	4200
Colorado Pork, LLC	100.0%	6706367	51716	F Cheyenne Aquifer	Glover	1500	0.0005	93850	0	4200
Colorado Pork, LLC	100.0%	6706382	57125	F Dakota Aquifer	Glover	1950	0.0005	80500	0	12500
Granada Water Association	100.0%	6706384	58509	F Dakota Aquifer	Glover	1500	0.1	350		
Lamar Community College	85.0%	6706384	58509	F Dakota Aquifer	Glover	1500				

Exhibit S **Pertinent Information for Determining Depletions Caused by the LAWMA Structures**

Name (1)	Wellhead Depletion Rate (2)	SEO ID No. (3)	Permit No. (4)	Source (7)	Lagging Method (8)	T (9)	S (10)	d (11)	Z1 (12)	Z2 (13)
DiRezza Land and Cattle	100.0%	1706360	49656	F Dakota Aquifer	Glover	1120	0.0005	18350	0	20900
DiRezza Land and Cattle	100.0%	1706360	49656	F Cheyenne Aquifer	Glover	780	0.0005	75000	0	20800
Mountain Prairie, LLC	100.0%	1706416	61653	F Cheyenne Aquifer	Glover	780	0.0005	40000	0	5000
Mountain Prairie, LLC	100.0%	1706420	61656	F Cheyenne Aquifer	Glover	780	0.0005	40000	0	5000
Mountain Prairie, LLC	100.0%	1706421	61664	F Cheyenne Aquifer	Glover	780	0.0005	40000	0	5000
Mountain Prairie, LLC	100.0%	1706417	61666	F Cheyenne Aquifer	Glover	780	0.0005	40000	0	5000
Mountain Prairie, LLC	100.0%	1706418	61670	F Cheyenne Aquifer	Glover	780	0.0005	40000	0	5000
Mountain Prairie, LLC	100.0%	1706415	61675	F Cheyenne Aquifer	Glover	780	0.0005	40000	0	5000
Mountain Prairie, LLC	100.0%	1706419	61674	F Cheyenne Aquifer	Glover	780	0.0005	40000	0	5000
Mountain Prairie, LLC	100.0%	1706422	61690	F Cheyenne Aquifer	Glover	780	0.0005	40000	0	5000
Mountain Prairie, LLC	100.0%	1706216	61678	F Cheyenne Aquifer	Glover	780	0.0005	40000	0	5000
Mountain Prairie, LLC	100.0%	1706423	61695	F Cheyenne Aquifer	Glover	780	0.0005	40000	0	5000
Mountain Prairie, LLC	100.0%	1706220	61694	F Cheyenne Aquifer	Glover	780	0.0005	40000	0	5000
Mountain Prairie, LLC	100.0%	1706488	61450	F Cheyenne Aquifer	Glover	780	0.0005	40000	0	5000
Mountain Prairie, LLC	100.0%	1706487	61449	F Cheyenne Aquifer	Glover	780	0.0005	40000	0	5000
Pioneer Pork, LLC	100.0%	6706340	47879	F Dakota Aquifer	Glover	1140	0.1	8700	-7100	23000
WhiteStone Farms, LLC (Rocky Ridge)	100.0%	6706359	50644	F Cheyenne Aquifer	Glover	2070	0.0005	17480	0	4000
WhiteStone Farms, LLC (Rocky Ridge)	100.0%	6706360	50845	F Cheyenne Aquifer	Glover	2070	0.0005	17480	0	4000
WhiteStone Farms, LLC (Rocky Ridge)	100.0%	6706368	54278	F Dockum Aquifer	Glover	945	0.0005	166850	0	12100
R. E. Turpin Trust	100.0%	6706361	62575	Dakota Aquifer	Glover	1275	0.0005	31700	0	14600
Granada Feeders, LLC	100.0%	6706332	131397	A Dakota Aquifer	Glover	1275	0.0005	31700	0	14600
Granada Feeders, LLC	100.0%	---	248443	Dakota Aquifer	Glover	1500	0.0005	103100	0	12500
Granada Feeders, LLC	100.0%	---	---	Dakota Aquifer	Glover	1200	0.0005	122900	0	5300
Granada Feeders, LLC	100.0%	---	247973	Cheyenne Aquifer	Glover	1200	0.0005	122900	0	5300
Midwestern Farms Resources (M-93-59)	100.0%	6705785	54629	F Arkansas River Valley Fill Aquifer	Glover sdi=84 days (USGS OF 72-192)					
Midwestern Farms Resources (M-93-59)	Exh R (p.A)	---	53050	F Arkansas River Valley Fill Aquifer	Glover sdi=84 days (USGS OF 72-192)					
All Rite Paving & Redi-Mix (M-87-79)	100.0%	6705953	47192	F Arkansas River Valley Fill Aquifer	NA					
Powers County (M-97-16)	Exh R (p.A)	6705999	47193	F Arkansas River Valley Fill Aquifer	NA					
Carder, Inc.-Hard Scabble Pit (M-98-46)	Exh R (p.A)	6706357	49444	F Arkansas River Valley Fill Aquifer	Glover sdi=7.5 days (USGS OF 72-192)					
Bent County Ready-Mix (M-97-7)	Exh R (p.A)	6706366	51673	F Arkansas River Valley Fill Aquifer	Glover sdi=7.5 days (USGS OF 72-192)	98000	0.20	3400		
Eastern Colorado Aggregates (M-01-41)	Exh R (p.A)	1706490	48758	F Arkansas River Valley Fill Aquifer	Glover edge of aquifer=10,000'					
Carder, Inc. J-S Farms Pit (M-96-46)	Exh R (p.A)	6706388	56441	F Arkansas River Valley Fill Aquifer	Glover sdi=7.5 days (USGS OF 72-192)					
Ritchie Paving-Fletcher Pit (M-02-72)	Exh R (p.A)	6706362	46899	F Arkansas River Valley Fill Aquifer	Glover	306000	0.20	900		
Division of Wildlife-Dawn Pond	Exh R (p.K)	6706389	58964	F Arkansas River Valley Fill Aquifer	Glover sdi=30 days (USGS OF 72-192)					
Division of Wildlife-Las Animas Fish Hatchery	Exh R (p.K)			Adobe Creek						
Halde Sand & Gravel, Inc.-Halde Spring	100%			Coon Creek						
Bentwood Ranch, LLC-Grant's Pond	Exh R (p.B)			Goodale Slough	Depletions = 4% of CUI/nb area					

Notes:

- Permit Application receipt number
- Glover factors:
 - T = transmissivity (gpd/ft)
 - S = specific yield
 - d = distance from well to outcrop interception of stream (feet)
 - Z1 & Z2 = coordinates of outcrop at ends of stream segments (feet)
- Bent County pit transmissivity value from USGS HA-461
- J-S Farms Pit values from Bishop-Brogden & Associates, Inc. (Permeability value from USGS Circular 11)
- Wellhead depletion rates for the City of Lamar's Municipal wells will be specified in the annual plan projection provided to the Division Engineer.