



**COLORADO**  
Division of Reclamation,  
Mining and Safety  
Department of Natural Resources  
1313 Sherman Street, Room 215  
Denver, CO 80203

January 29, 2016

David Mallory  
Urban Drainage and Flood Control District  
2480 W. 26th Ave. Suite 156-B  
Denver, CO 80211

**Re: Cooley Reservoir and Fulton Wildlife Area, DRMS Permit No. M-1999-034  
Request for Compliance Status with Urban Drainage and Flood Control District Guidelines**

Dear Mr. Mallory:

The Division of Reclamation, Mining and Safety (Division) received comments from the Urban Drainage and Flood Control District (UDFCD) on April 28, 1999, in regards to the Cooley Reservoir and Fulton Wildlife Area reclamation permit application (DRMS Permit No. M-1999-034). The enclosed comments from UDFCD stated that if the Operator intends to mine closer than 400 feet from the River banks of the South Platte River the Operator would need to receive approval from UDFCD and comply with the UDFCD's *Technical Review Guidelines for Gravel Mining and Water Storage Activities within or Adjacent To The 100-Year Floodplains*.

The Operator has already mined within the 400-foot setback from the River bank. In the southeast corner of Phase 2 (enclosed Mine Plan Map), mining activities were conducted within 200-feet of the River bank. The Operator informed the Division that approval from UDFCD had been secured prior to the mining activities within the 400-foot setback and that the Operator had conducted mining operations in compliance with the guidelines set forth by UDFCD. The Operator stated that only River side bank protection was required. The Operator also explained that the River side bank protection was installed by UDFCD as part of an easement agreement.

If a plan to mine closer than 200 feet was approved by UDFCD, could UDFCD please furnish, any documents regarding the design and approval of a 200-foot mining setback. If the 200-foot mining setback was not approved by UDFCD, could UDFCD provide to the Division any correspondence UDFCD had with the Operator regarding this matter.

If you need additional information please contact me at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203, by telephone at 303-866-3567, extension 8131, or by email at [Tyler.O'Donnell@state.co.us](mailto:Tyler.O'Donnell@state.co.us).

Sincerely,

Tyler O'Donnell  
Environmental Protection Specialist

Enclosure: April 28, 1999, Comment letter from UDFCD

Approved Mine Plan Map

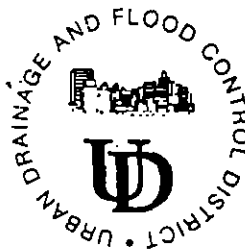
cc: Wally Erickson, DRMS

Connie Davis  
Aggregate Industries - WCR, Inc.  
1687 Cole Blvd., Ste. 300  
Golden, CO 80401





999



L. Scott Tucker, Executive Director

RECEIVED

APR 28 1999

Division of Minerals &amp; Geology

April 26, 1999

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**Carl Mount**  
**Colorado Department of Natural Resources**  
**Division of Minerals and Geology**  
**1313 Sherman Street, Room 215**  
**Denver, Co 80203**

**Subject: CAMAS Colorado Inc., Cooley Reservoir and**  
**Fulton Wildlife Area Pit, File M-99-034**

**Dear Mr. Mount:**

This letter is in response to your request for our review concerning the Notice of 112 Construction Materials Reclamation Permit Application at the above-referenced mining site. We appreciate the opportunity to review this submittal as it relates to the South Platte River.

We have the following concerns and comments:

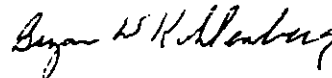
1. The applicant has stated that no mining will occur within 400 feet of the South Platte River channel without approval by the Urban Drainage and Flood Control District (District). This is acceptable; however, the 100- to 400-foot setback limits are not properly shown on the plans. The setbacks have to be measured from the top of existing bank, or from the top of master plan bank, whichever is farthest away from the river. The plan needs to be revised accordingly before approval. I have enclosed a sketch of the 100- to 400-feet we feel is acceptable now. This is especially important along the west bank of the river at the McKay Road and 104th Avenue bridges. Preliminary plans call for new longer bridges. Therefore, the mining and reclamation setbacks need to start from the master plan channel bank alignment (i.e., proposed west side bridge abutments), not the 100-foot minimum setback as shown on Exhibit C-2.
2. On Exhibit C-2, Mining Plan Map, the Phase 1A and 1B areas show a note that reads "no mining within 35' of the top bank S. Platte River." The minimum setback allowed is 100 feet with both riverbank and pitside bank protection. A variance may be allowed if the applicant can guarantee that they mine and immediately reclaim the area within the 100-foot setback during one low flow season (generally October through March).

plan/bryan/mount

3. We request that permanent access for the maintenance of the river be dedicated to Adams County and/or the District as part of the approval. The access easement (or fee simple) should extend no less than 40-feet behind the top of existing or master plan bank, whichever is farthest away from the river.
4. The applicant has adequately addressed the issue of temporary overburden and topsoil stockpiles being placed to a maximum 20-foot height and 100-foot width with 100-foot gaps between 300-foot long piles. However, the piles should be placed parallel to the overbank flow direction, which many times is not parallel to the river. In addition, the piles need to be placed as far away from the channel as possible, rather than between the river and the pit.

Again, we thank you the for opportunity to review this application. We ask that the above concerns and comments are considered in your final processing of this application. We look forward to working with CAMAS Colorado, Inc. should they decide to pursue options in the future to encroach on the 400-foot setback. If you have any questions concerning any of the above, please do not hesitate to call.

Sincerely,



Bryan W. Kohlenberg, P. E.  
Project Engineer  
South Platte River Program

BWK/gb

cc: Bill DeGroot, UDFCD  
Mike Refer, CAMAS Colorado, Inc.  
Daren Duncan, Adams County  
Craig Tessmer, Adams County Planning



# COOLEY RESERVOIR AND FULTON WILDLIFE AREA PIT

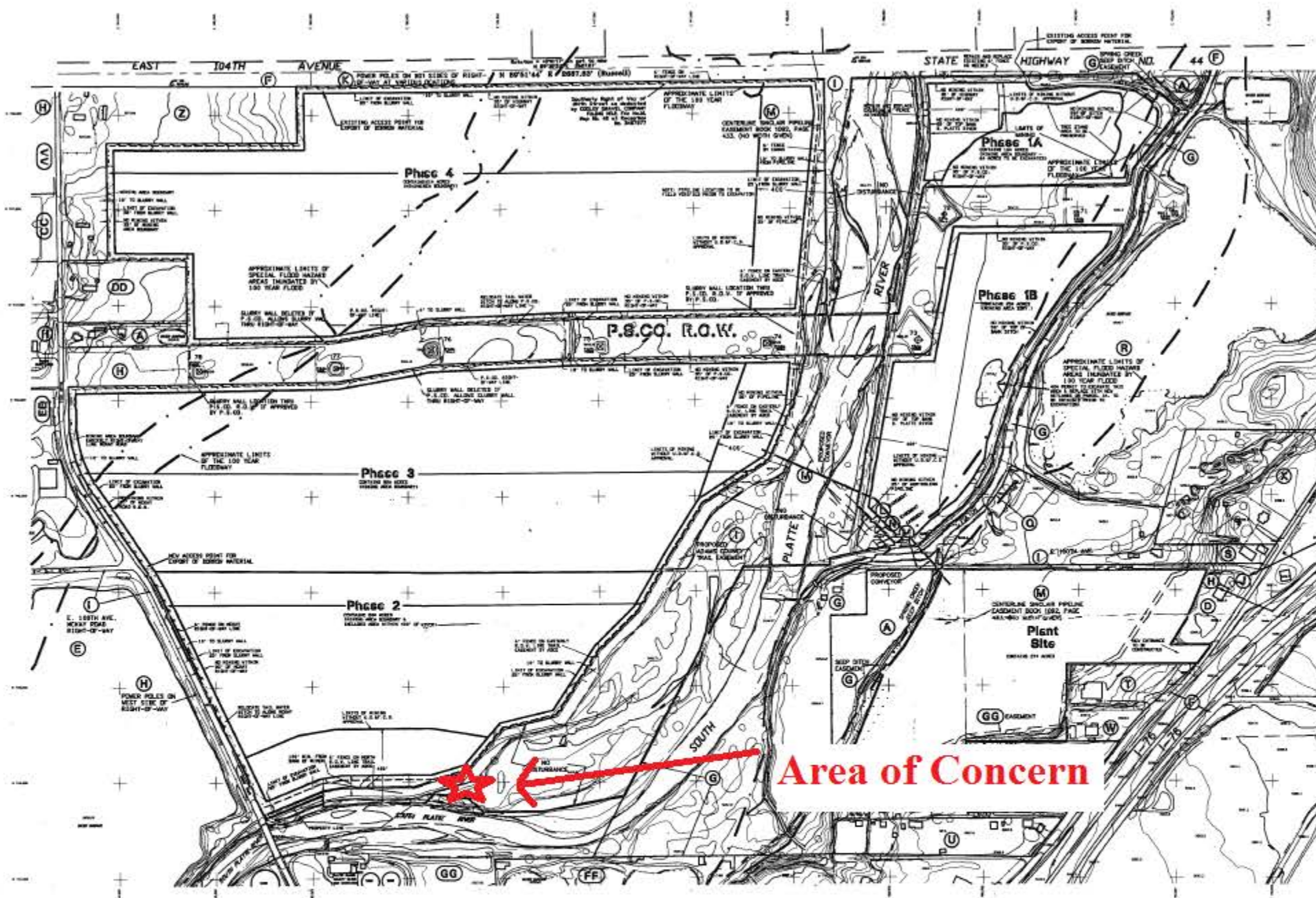


SCALE: 1"=300'  
LEGEND

- DENOTES LIMIT OF MINING AREAS
- DENOTES SLURRY WALL
- DENOTES LIMIT OF EXCAVATION AND PHASES

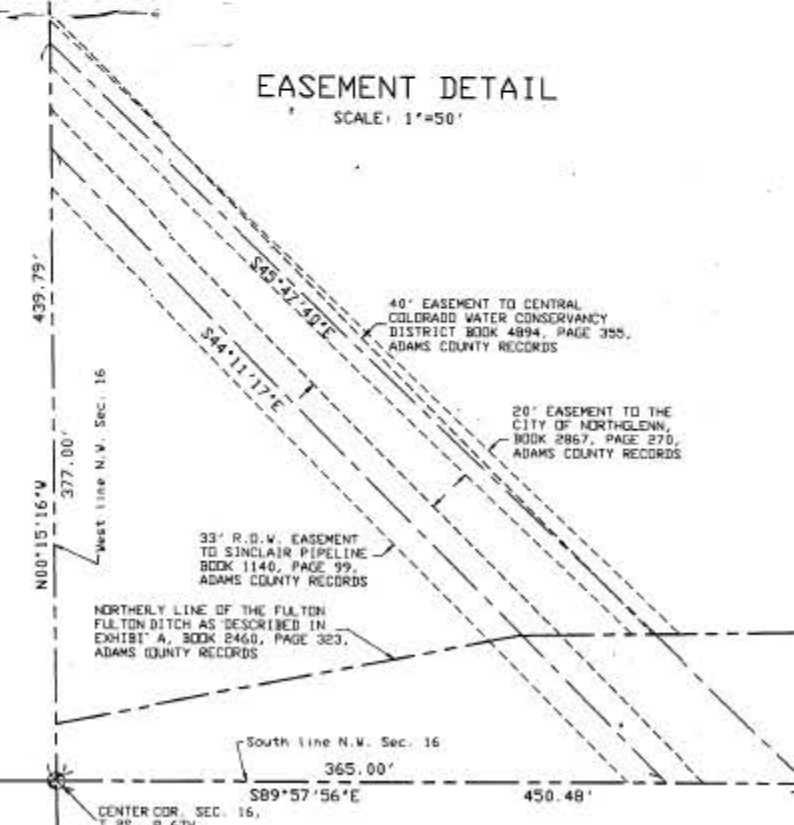
## FULTON WILDLIFE CONSTRUCTION PHASES

1. PHASE 1A WETLANDS BACKFILL - 0
2. PHASE 1B BACKFILL - 47096 LINEAL FEET x 1350' / 27 = 235,4584 CUBIC YARDS



UNDERGROUND U.S. WEST CABLE ALONG SOUTH SIDE OF EAST 10TH AVENUE  
P.S. CO. POWER POLES ALONG SOUTH SIDE OF EAST 10TH AVENUE & ALONG BRIGHTON ROAD RIGHT-OF-WAY

## EASEMENT DETAIL SCALE: 1"=50'



SEE EXHIBIT F FOR DETAILS ON TEMPORARY AND FINAL SLOPES, SETBACKS FROM STRUCTURES, ETC.

NO DISTURBANCE: AREAS THAT WILL NOT BE MINED OR DISTURBED, EXCEPT FOR ADAMS COUNTY TRAIL CONSTRUCTION, CHANNEL IMPROVEMENTS BY U.S.A.F.C.D. AND/OR ADAMS COUNTY, AND FOR SUPPORT STRUCTURES FOR CONVEYOR.

AREAS SUBJECT TO DISTURBANCE	NO DISTURBANCE
PHASE 1A - 61 AC	104 AC
PHASE 1B - 254 AC	
PHASE 2 - 534 AC	
PHASE 3 - 804 AC	
PHASE 4 - 992 AC	
PLANT SITE - 274 AC	504 AC
RIVER AREA - 504 AC	
TOTALS - 2096 AC	608 AC

\* ASSUMES WETLANDS ARE JURISDICTIONAL AND REMOVAL WITH REPLACEMENT WETLANDS, IS ALLOWED.

## COOLEY RESERVOIR CONSTRUCTION PHASES

1. SLURRY WALL INSTALLATION
  - A. PHASE 2 + PHASE 3 = 10,2084 TOTAL LINEAL FEET
  - B. PHASE 4 = 9,8474 TOTAL LINEAL FEET
  - OR
  - C. PHASES 2, 3, & 4 THRU P.S.C.O. R.O.W. = 14,1668 TOTAL LINEAL FEET
2. BACKFILL SLOPES
  - A. PHASE 2 = 64724 LINEAL FEET x 1350' / 27 = 323,6004 CUBIC YARDS
  - B. PHASE 3 = 87304 LINEAL FEET x 1350' / 27 = 436,5004 CUBIC YARDS
  - C. PHASE 4 = 96524 LINEAL FEET x 1350' / 27 = 482,6004 CUBIC YARDS

\* - 30' DEEP x 90' WIDE / 2 = 1350

Drawn by: M. 1999-034  
Checked by: L. 2  
Scale: 1"=300'  
Date: FEB. 29, 1999  
Drawn by: G.A.B.  
Checked by: R.B.  
Scale: 1"=300'  
Date: FEB. 29, 1999