



RESOLUTION NO. 2017-24

RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF RIO BLANCO COUNTY, COLORADO, AMENDING RESOLUTION NO. 95-31, DESIGNATING A SOLID WASTE DISPOSAL SITE IN THE WRAY GULCH AREA, TO INCLUDE THE ADDITION OF A LEACHATE HOLDING POND AND LEACHATE MANAGEMENT SYSTEM

WHEREAS, on August 14, 1995, the Board of County Commissioners determined that is in the best interest of the citizens of Rio Blanco County that a Certificate of Designation be issued for the Wray Gulch Landfill Site and passed, adopted and approved Resolution No. 95-31.

WHEREAS, in recent years, leachate, snow melt and storm water has collected in the landfill cells in excessive quantities, a condition compromising the integrity of the landfill cell liner; and

WHEREAS, management of the leachate and storm water is required as a condition of Rio Blanco County's Engineering Design and Operations Plan (June 1994) but has proven impossible with other methods; and

WHEREAS, after considering all options, construction of an engineered Leachate Holding Pond (LHP) and installation of an engineered Leachate Collection and Removal System (LCRS) are determined the best solution; and

WHEREAS, Rio Blanco County prepared an Engineering Design and Operations Plan Amendment for said Leachate Holding Pond with an approximate capacity of 550,000 gallons and a surface area of 14,981 square feet adjacent to the landfill limits of waste area and a Leachate Collection and Removal System (Sump) located in Cell A of the landfill cell area (Exhibit A). and

WHEREAS, Rio Blanco County received approval with technical comments from the Colorado Department of Health and Environment on October 13, 2017 after advertising for public comment for 30 days (Exhibit B);



NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF RIO BLANCO COUNTY as follows:

That the Certificate of Designation for the Wray Gulch Solid Waste Landfill is hereby amended to include a Leachate Holding Pond and Leachate Collection and Removal System. as shown on Exhibit "A".

PASSED, ADOPTED AND APPROVED this 13th day of November, 2017.



BOARD OF COUNTY COMMISSIONERS,
RIO BLANCO COUNTY, COLORADO

By: [Signature]
Shawn J. Bolton, Chairman

ATTEST:

[Signature]
County Clerk and Recorder
Rio Blanco County

[Signature]
Jeff Rector, Commissioner

[Signature]
Si Woodruff, Commissioner

Soeder, Miller & Associates
 690 West Lincoln Avenue
 Lakewood, CO 80226
 (303) 440-1000

LEADERS, COLORADO

TOP OF CLAY LINER
 DESIGN & OPERATIONS PLAN AMENDMENT
 LEACHATE MANAGEMENT SYSTEM PLANS
 WRAY GULCH LANDFILL

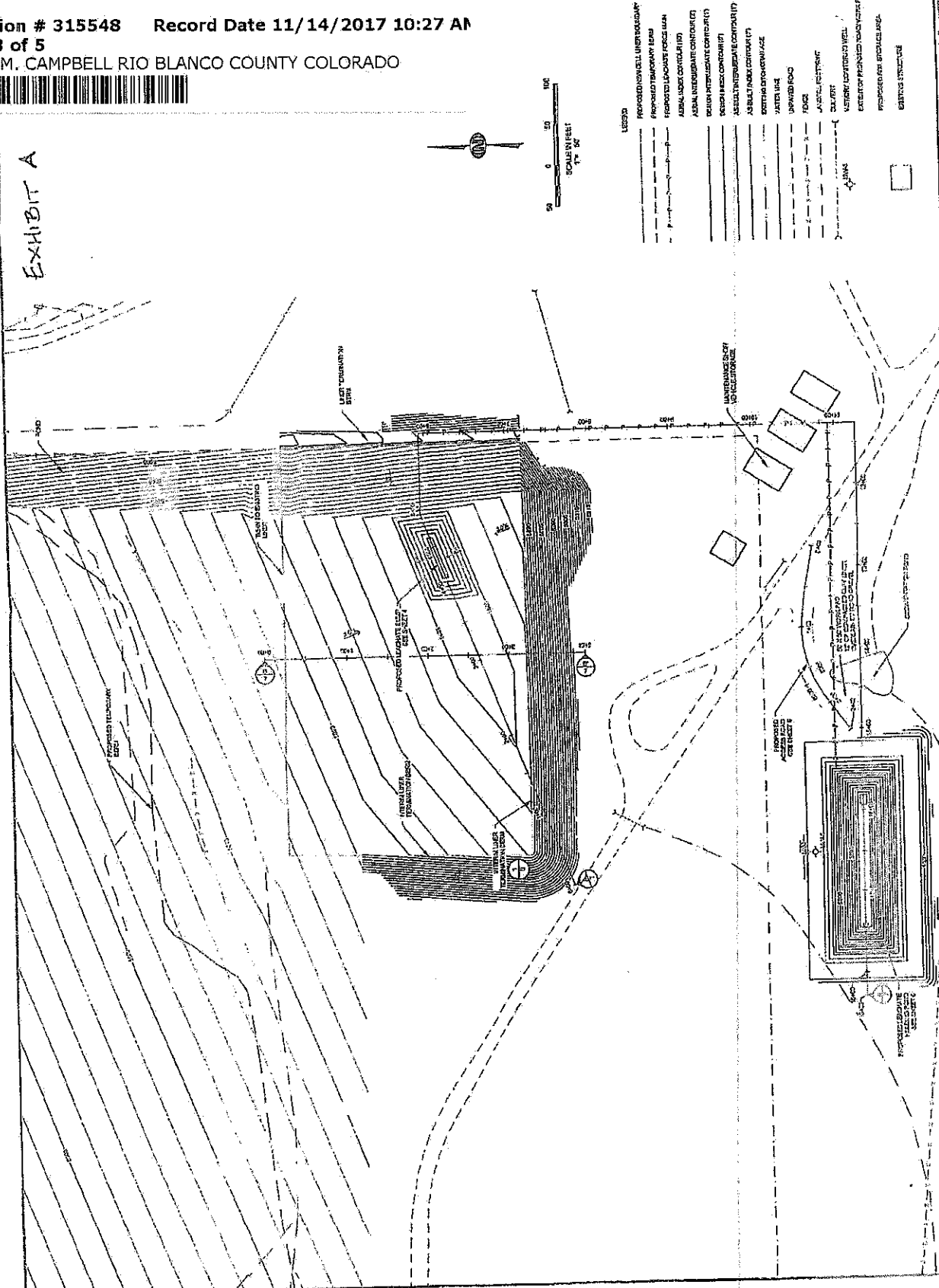


DATE	NO. OF SHEETS	SHEET NO.
11/14/17	5	3
PROJECT	WRAY GULCH LANDFILL	
FIGURE	FIGURE C	

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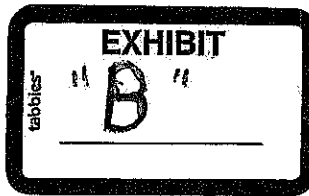
EXHIBIT A





COLORADO
Department of Public
Health & Environment

Dedicated to protecting and improving the health and environment of the people of Colorado



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Electronic document submittal

October 13, 2017

Dave Morlan, Supervisor
Road and Bridge Department
570 2nd Street
Meeker, CO 81641

Re: Design and Operations Plan Amendment - Technical Comments
Wray Gulch Landfill, Rio Blanco County, Colorado
SW / RBL WRA / 2.2

Dear Mr. Morlan:

The Hazardous Materials and Waste Management Division of the Colorado Department of Public Health and Environment (Division) received and reviewed the following Design and Operations Plan Amendment (D&O Amendment) pertaining to the Wray Gulch Landfill in Rio Blanco County.

- *Wray Gulch Landfill, Rio Blanco County, Design and Operations Plan Amendment* dated August 2, 2017. The electronic version of this document was received by the Division on August 2, 2017 and the paper copy on August 15, 2017.

Souder Miller and Associates (SMA) prepared and submitted the D&O Amendment on behalf of Rio Blanco County. This document was reviewed for compliance with the Solid Waste Disposal Sites and Facilities Act Title 30, Article 20 Parts 1 and 10 C.R.S. (as amended); with the Regulations Pertaining to Solid Waste Sites and Facilities in 6 CCR 1007-2, Part 1 (the Regulations); with the approved Design & Operations Plan (D&O, 1994); and subsequent revisions.

This D&O Amendment includes a leachate management system comprising a leachate collection and removal system, and a leachate holding pond (LHP). Also included is a Construction Quality Assurance/Quality Control Plan (CQA Plan) for the LMS and liner construction in four new cells within the existing landfill footprint. The first cell to be constructed, Cell A, will include the leachate sump. The LHP will be constructed outside the landfill foot print and within the CD boundary. The existing liner design, 12 inches of compacted clay, will be constructed within the four new cells. The LHP design adheres to the prescriptive design for Type B ponds under Section 9 of the Regulations. Because the LHP was not part of the previously approved D&O (1994), a public comment period was held between September 7 and October 6, 2017. No public comments were received during the public comment period.

A response letter to preliminary questions from the Division was submitted by SMA October 3, 2017. Based on review of the information provided, the Division has following technical comments.

1. Table 1 of the D&O Amendment should be replaced with the revised table submitted October 3, 2017.
2. Liner soil placement should be done in 6- to 8-inch lifts rather than 12.
3. Table 2 of the CQA Plan (Appendix C). The frequency of proctor testing should be more frequent than 1/6,540 cubic yards for liner construction. The frequency for grain size analysis and Unified Soil Classification should be more in line with the frequency included in the Division's guidance (January 14, 2010). Increased frequency testing for these parameters is important especially because no borrow source testing is being conducted.



Mr. Dave Morlan
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4. Section 3.1.3 of the CQA Plan (Appendix C). Improper moisture content as the sole criterion for failing a density test should be considered a failed test due to the sand component of previous soil testing results. Please remove the sentence indicating that moisture content alone will not be considered a failed test.
5. Please include information on whether a protective layer will be placed above the cell liner once constructed.
6. Prior to placement/construction of final cover, a CQA Plan for final cover construction must be submitted for Division review/approval.

Please submit a revised D&O Amendment and CQA Plan based on the above comments. The other aspects of the design of the LHP not impacted by the comments above are approved.

In closing, the Division is authorized to bill for the review of technical submittals pursuant to C.R.S. 30-20-109(2)(b) at the rate of \$125 per hour. An invoice for the Division's review of the documents will be transmitted to you under separate cover. Please contact Miquette Gerber by phone at 970-248-7168 or email at miquette.gerber@state.co.us should you have questions regarding this correspondence.

Sincerely,

Miquette Gerber
Environmental Protection Specialist
Solid Waste Permitting Unit
Hazardous Materials and Waste Management Division

cc: Rio Blanco County BOCC
J. Morlan, Rio Blanco County
M. Pretti, SMA

