



**COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY**  
**MINERALS PROGRAM INSPECTION REPORT**  
**PHONE: (303) 866-3567**

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

<b>MINE NAME:</b> Road Runner Rest	<b>MINE/PROSPECTING ID#:</b> M-1979-195	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Adams
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Tyler V. O'Donnell	<b>INSP. DATE:</b> May 14, 2014	<b>INSP. TIME:</b> 13:00
<b>OPERATOR:</b> Denver Water Department	<b>OPERATOR REPRESENTATIVE:</b> Greg Gulley	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	

<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$0.00
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None
<b>WEATHER:</b> Cloudy	<b>INSPECTOR'S SIGNATURE:</b> <i>Tyler O'Donnell</i>	<b>SIGNATURE DATE:</b> July 11, 2014

**GENERAL INSPECTION TOPICS**

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>NA</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>Y</u>	(SB) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>Y</u>	(OD) OFF-SITE DAMAGE----- <u>NA</u>	(ST) STIPULATIONS----- <u>NA</u>

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

## **OBSERVATIONS**

This was a normal routine monitoring inspection conducted by Tyler O'Donnell of the Division of Reclamation, Mining and Safety (Division/DRMS). Denver Water, the Operator, was represented by Greg Gulley during the inspection. The Division conducted the inspection of the Road Runner Rest Pit (DRMS File No. M-1979-195) and the Reclamation Pit No 1 (DRMS File No. M-1977-153) concurrently. The Road Runner Rest Pit and the Reclamation Pit No 1 are located approximately 2 miles south of Henderson, Colorado. The Road Runner Rest Pit is a 168.41-acre 112C permit. The Reclamation Pit No 1 is a 159.85-acre 112C permit. Both permits are currently being mined, the main commodity is sand and gravel. The approved post-mining land use for both sites is developed water resource.

The sky was overcast. The ground was mostly dry. There was a processing plant that was operational during the inspection. The processing plant was located in the northeastern portion of the Road Runners Rest pit. The Operator's representative stated that there is approximately 500,000 cubic yards of mineable material left in both pits. The Operator's representative state that the material may be excavated or left in the bottom of the pit. It appears that the site has been backfilled, graded, re-topsoiled and seeded. The Operator's representative stated that both permits would be in final reclamation within the next 3-5 years.

### **Backfilling and Grading:**

The slope of the reservoir sides were sloped at 3H:1V or flatter along the majority of the reservoir. All slopes appeared to be structurally stable.

### **Hydrologic Balance:**

The pit is located just east of the South Platte River. The bottom of the pit was mostly dry. The liner has not passed the State Engineer's Leak Test.

### **Gen. Compliance With Mine Plan:**

All reclamation and mining activity appeared to be within the approved permit boundary.

### **Recl Plan/Comp:**

The Operator has successfully backfilled and graded slopes to an approximate slope of 3H:1V or flatter, creating a stable land surface. It appears that the Operator has replaced the topsoil, and seeded the site.

### **Revegetation:**

The entire site appears to have been seeded approximately 1-3 years ago. Vegetation is beginning to become established through the majority of the permitted mine site. There were a few annual weeds, various thistle and patches of cheatgrass. There were large patches of cheatgrass along the northern edge of the pit paralleling the 120th parkway. The Operator will need to continue to monitor and treat annual and noxious weeds if they appear in the permitted mine site. The Operator may want to consider re-seeding portions of the permitted site where desired vegetation is sparse.

### **Signs and Markers:**

A mine I.D. sign was located at the entrance to the mine site.

### **CONCLUSION**

This Operation has conducted a lot of reclamation work, mining is occurring along the pit floor. The slopes have been graded and revegetated. If the Operator deviates from the approved reclamation plan the permit will need to be revised, to reflect the proposed changes. Changes include minor deviations to the proposed post-mining topography, location of the slurry wall, and structures that will remain after final reclamation.

### **Inspection Contact Address**

Greg Gulley  
Denver Water Department  
1600 W. 12th Ave.  
Denver, CO 80204

Enclosure: Approved Reclamation plan map

CC: Tom Kaldenbach, DRMS

**PHOTOGRAPHS**



**Photo 1:** View looking northwest, processing plant in the background.



**Photo 2:** View looking southwest, reclaimed pit slope in the foreground.

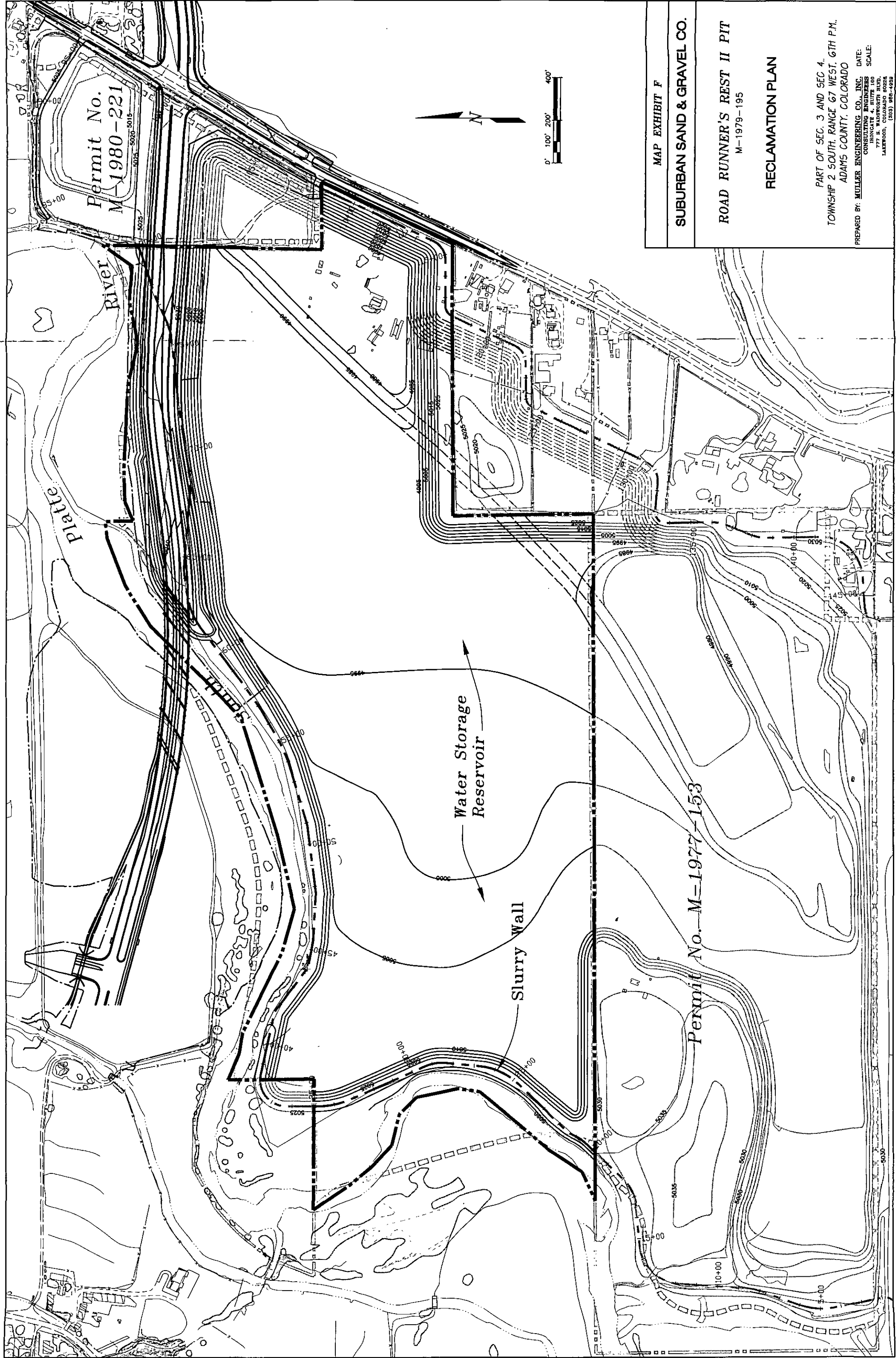




**Photo 3:** View looking east, reclaimed pit slope in the background.



**Photo 4:** Well revegetated portion of the pit.



MAP EXHIBIT F	
SUBURBAN SAND & GRAVEL CO.	
ROAD RUNNER'S REST II PIT	
M-1979-195	
RECLAMATION PLAN	
PART OF SEC. 3 AND SEC. 4, TOWNSHIP 2 SOUTH, RANGE 67 WEST, 6TH P.M., ADAMS COUNTY, COLORADO	
PREPARED BY: MULLER ENGINEERING CO., INC.	DATE:
CONSULTING ENGINEERS	SCALE:
777 N. WADSWORTH BLVD.	
LAKESIDE, CO. 80026	(303) 968-4459