

### Document Information Form

Mine Number: C/043/001

File Name: Incoming

To: DOGM

From:

Person N/A

Company MINED LAND RECLAMATION PROGRAM

Date Sent: N/A

Explanation:

JOINT PERMIT Application FORM

\_\_\_\_\_

cc:

File in: C/043/001, 1993, Incoming

- Refer to:
- Confidential
  - Shelf
  - Expandable

Date \_\_\_\_\_ For additional information

0005

# JOINT PERMIT APPLICATION FORM

U. S. ARMY CORPS OF ENGINEERS - FOR SECTIONS 404 AND 10  
UTAH STATE ENGINEER'S OFFICE - FOR NATURAL STREAM CHANNELS

Application Number \_\_\_\_\_, 93-35-26 SA  
(Assigned by: \_\_\_\_\_) Corps \_\_\_\_\_ State Engineer \_\_\_\_\_

Applicant's Name (Last, First M.I.) <b>Mined Land Reclamation Program</b> <b>Division of Oil, Gas, and Mining</b>		Authorized Agent <b>Jim Carter, Director</b>	Telephone Number and Area Code <b>(801) 538-5326</b>	
Applicant's Address (Street, RFD, Box Number, City, State, Zip) <b>3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203</b>				
PROJECT LOCATION				
Quarter Section(s) <b>NE1/4</b>	Section <b>36</b>	Township <b>T3N</b>	Range <b>R6E</b>	Base & Meridian <b>SLBM</b>
County <b>Summit</b>	Watercourse to be altered <b>Chalk Creek</b>	Check one: <input type="checkbox"/> Within city limits <input checked="" type="checkbox"/> Outside city limits List town or nearest town: <b>Coalville</b>		
Project location or address: <b>Summit Mine #1 bridge removal project. (DOGM file number: INA/043/001). Project located 11.8 miles east of Coalville just off State Highway 133. (Upton 7 1/2" USGS quadrangle)</b>				
Brief description of project: <b>Remove a hazardous bridge and its associated structures. The bridge is located approximately 11.8 miles east of Coalville on a bond forfeiture site that is under stewardship of the Division of Oil, Gas and Mining.</b>				
Purpose (justification) of project: <b>The landowner and Division considers the bridge and the associated structures to be hazardous and must be removed. The foundations and retaining walls are being undercut by erosion. Eventually the bridge will collapse into Chalk Creek. The collapsed bridge could create a logjam that would dam the creek and flood the surrounding area.</b>				
Is this a single and complete project or is it part of a larger project, continuing project, or other related activities? If so, please describe the larger project or other related activities. <b>Single project.</b>				
		File in: <input type="checkbox"/> Confidential <input type="checkbox"/> Shelf <input type="checkbox"/> Expandable Refer to Record No <u>0005</u> Date <u>N/A</u> In C/ <u>043/001, 1993</u> <u>Incoming</u>		
If project includes the discharge of dredged or fill material:  Cubic yards of material:  Acreage or square footage of waters of the United States, including wetlands, affected by the project:  Source and type of fill material:				

Alternatives (other ways to accomplish the project purpose):

The alternatives include removing the bridge, but not the foundations, and taking no action.

Names and addresses of adjacent property owners or other individuals who may be affected by this project:

David and Beverly Dawes  
7855 South 155 East  
Sandy, Utah 84070

Fern J. Boyer, et al  
5050 Ben Lomond Avenue  
Ogden, Utah 84404

List other authorizations required by Federal, state or local governments (i.e.; National Flood Insurance Program), and the status of those authorizations.

Estimated starting date of project

Begin on or after October 25, 1993

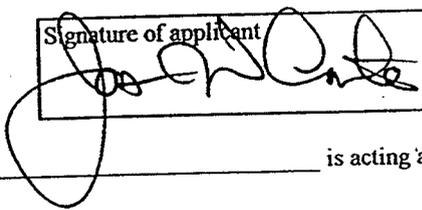
Estimated completion date

Project will be completed by October 31, 1993

(If project has already been partially or totally completed, indicate date of work. Indicate existing work on drawings).

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in the application, and that to the best of my knowledge and belief such information is true, complete and accurate. I further certify that I possess the authority to undertake the proposed activities or am acting as the duly authorized agent of the applicant.

Signature of applicant



Date

October 5, 1993

I hereby certify that \_\_\_\_\_ is acting as my agent for this project.

Agent's address and telephone number

## INSTRUCTIONS

Applications which do not include the following will not be processed.

For a complete application, you MUST include the following on 8 1/2 by 11 paper (for large projects, multiple sheets with a key may be used). Clear, hand-drawn plans approximately to scale are acceptable.

1. An accurate location map (USGS quadrangle map preferred)
2. A plan view of the proposed activity (as seen from above) including dimensions of work.
3. A cross-section view of the proposed activity (may use typical cross-section for large projects) including dimensions.
4. For projects which include wetlands, an accurate wetland delineation must be prepared in accordance with the current method required by the Cor...



## Attachment #1

### Demolition and Grading Plan

Remove a bridge, its foundations, retaining walls and abutments from an abandoned coal mine site in Summit County. The bridge, the foundations and concrete retaining wall will be hoisted by crane in whole, or in sections, onto trucks for disposal off site.

The wooden retaining walls will be removed by a front end loader or excavator. The material will be loaded onto trucks for disposal.

The abutments will be cut back and graded to a 3 horizontal to 1 vertical slope. To the extent possible the abutment material will be removed from the flood plane. The excess material will be disposed of offsite. The disturbed area will be reseeded in the fall or spring. A 4 foot berm will be placed at the top of the graded slopes to prevent vehicle access to the bridge site. Ditches will be used to control drainage from the graded slope.

The sediment load will be increased by excavating structures in the creek and fording it. Erosion control devices, such as straw bales and silt fences, will be used to minimize the sediment load. Equipment will ford the creek at points that minimize stream disturbance. Work will be conducted during low flow periods.

Rory Reynolds of the Division of Wildlife Resources has requested that demolition occur during October 1993 to avoid disturbing the brown trout spawning migration, which occurs during November and December.

Attachment #2

SEEDING

The disturbed area will be ripped to a depth of 12 to 14 inches and left in a very roughened condition prior to seeding. The below listed seed mixture will be hand broadcast by use of cyclone seeders.

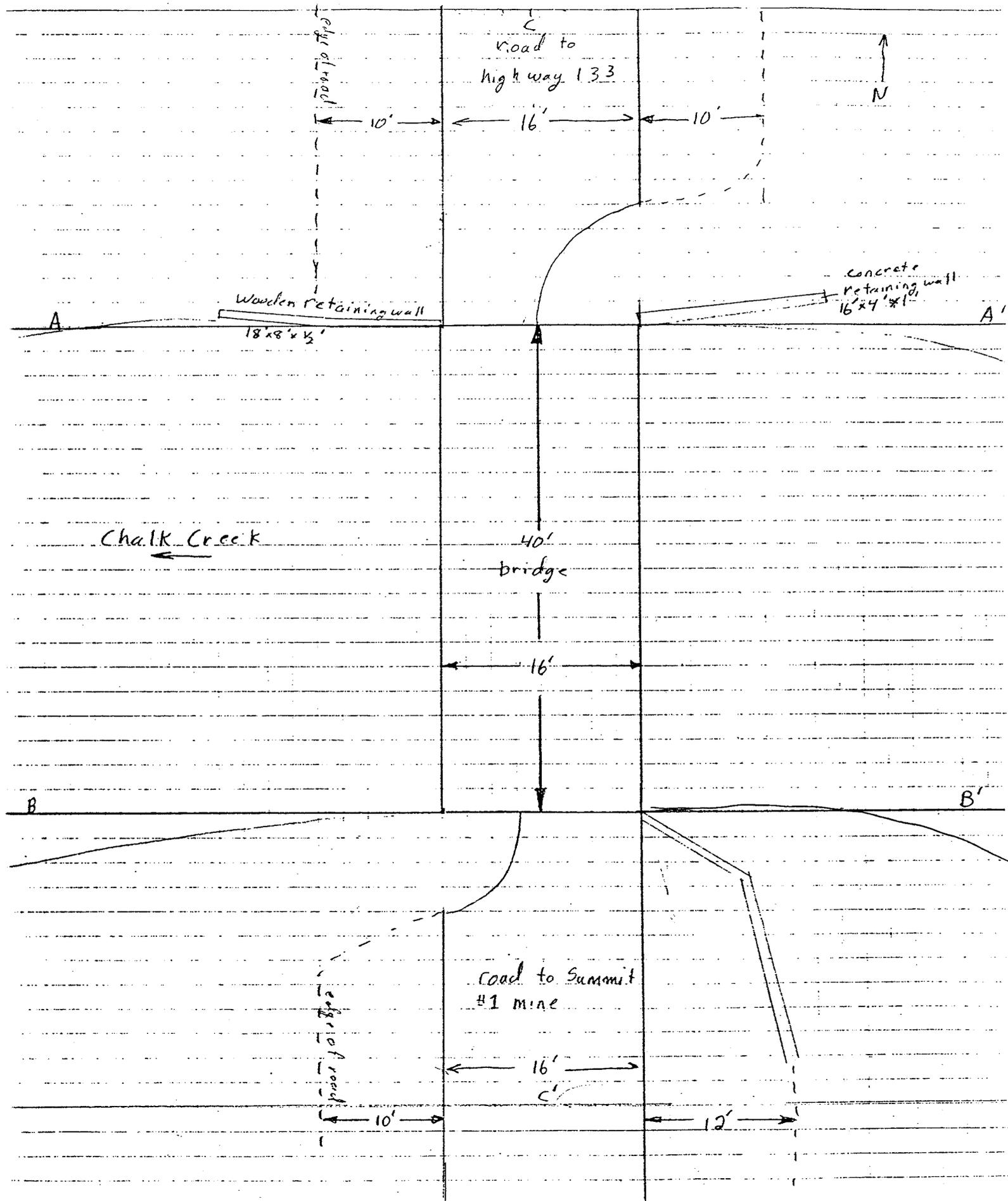
Moist Area Seed Mixture

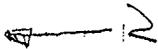
<u>Species</u>	<u>lbs. PLS/acre</u>
Slender wheatgrass	6
Mountain brome	5
Intermediate wheatgrass	5
Kentucky bluegrass	4
Pubescent wheatgrass	4
Orchard grass	4
Cicer milkvetch	1
Utah sweetvetch (if available)	1

If needed, after seeding the area will be lightly raked to provide for adequate seed to soil contact to prevent seedling desiccation and wind loss of seed. After seeding the area will be mulched with alfalfa hay at the rate of 2 tons per acre. The hay will be spread evenly over the entire surface of the disturbed area. Surface roughness and trampling during cutting placement is expected prevent wind loss of the hay.

Late fall or early spring willow (*Salix* sp.) cutting will be taken from the adjacent native willows. Cutting should be approximately 18 inches long and 1/2 inch in diameter. The cutting will be planted to a minimum depth of 12 inches. Cuttings will be planted on 3 foot centers in all suitable area.

Attachment 3  
Chalk Creek Bridge  
Plan View



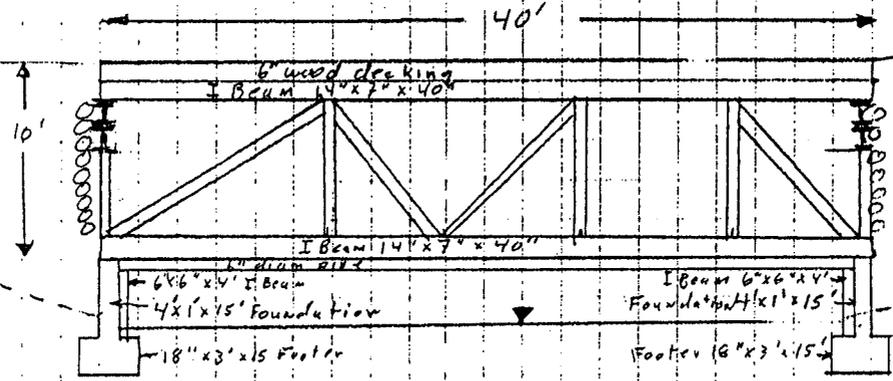


Road to highway 133

Road to mine

Regraded abutment  
3h 1v

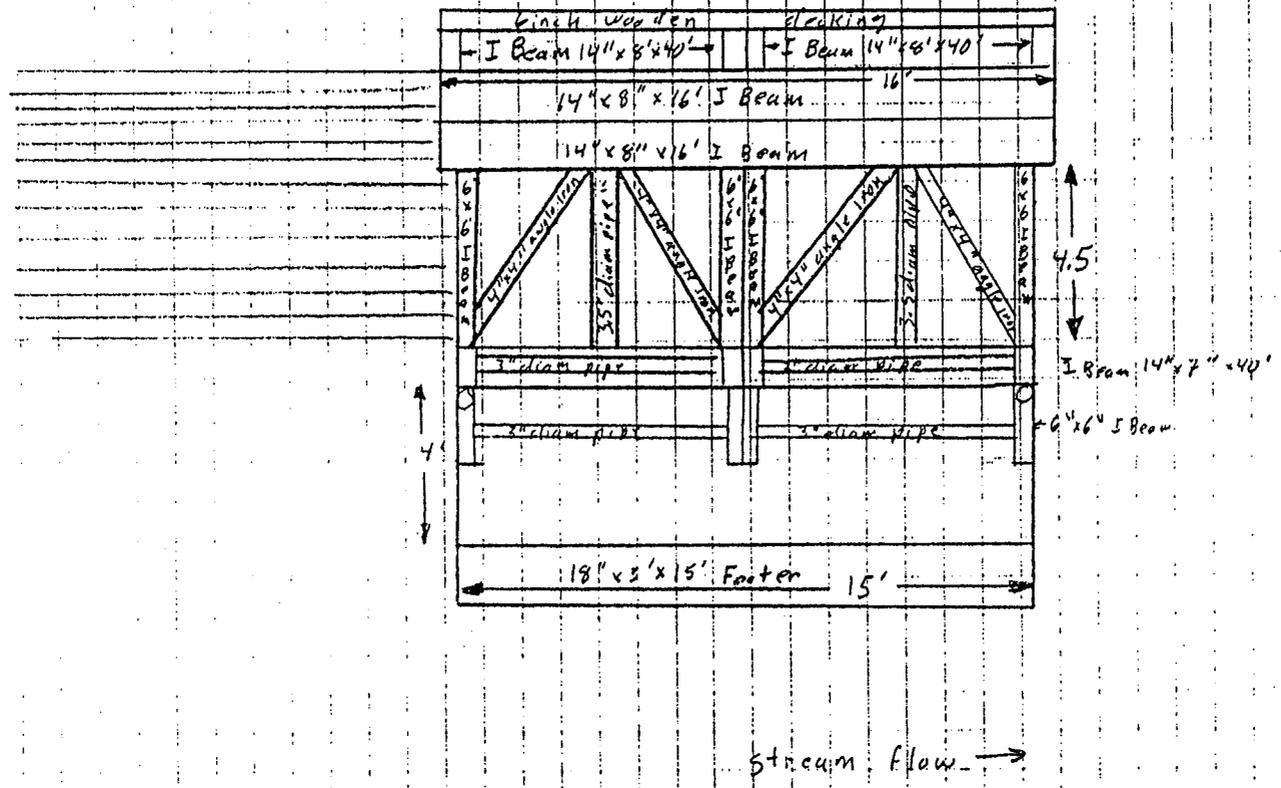
Regrade abutment  
3h 1v



Attachment #1  
Chalk Creek Bridge  
Side View

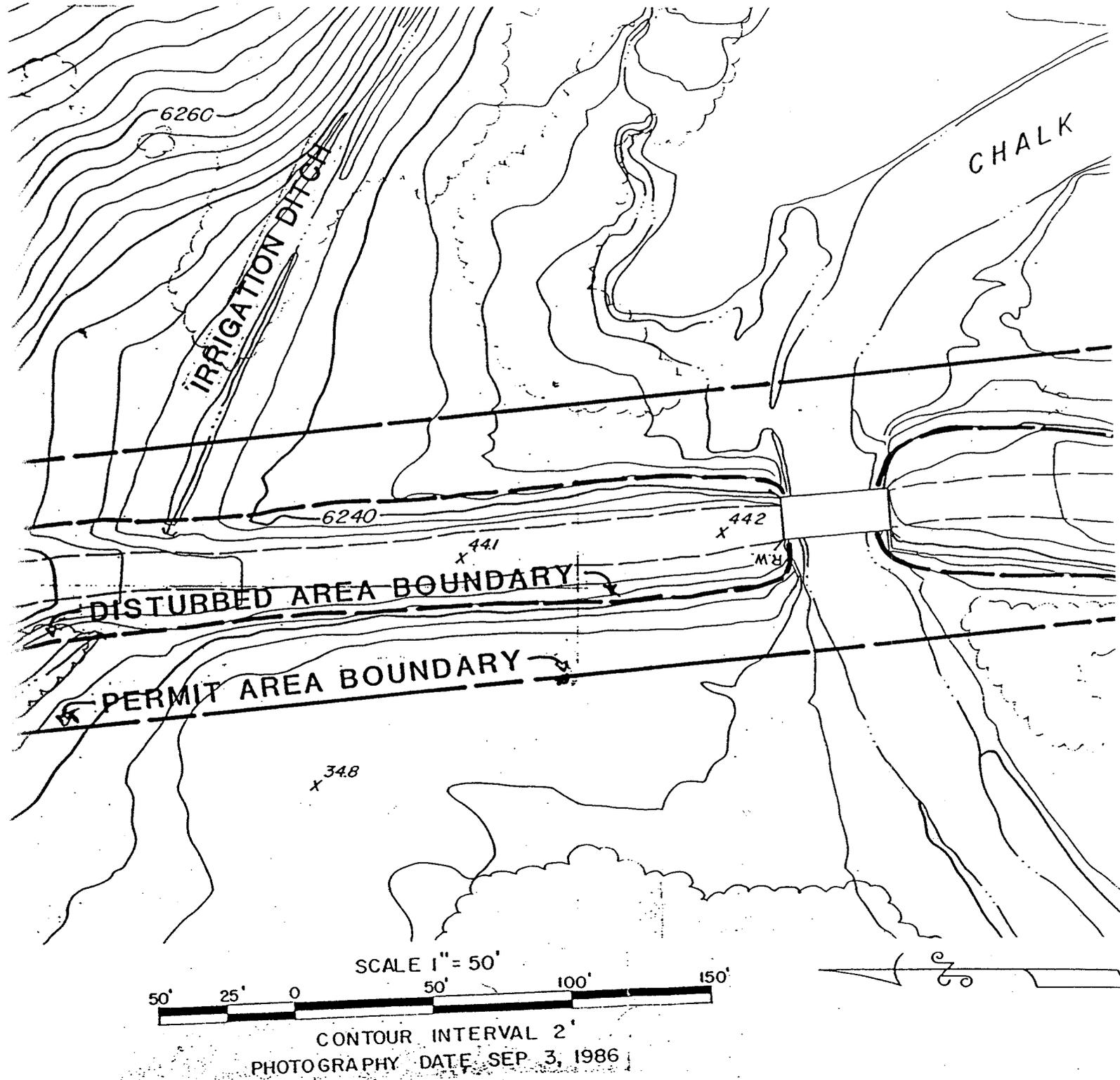


Attachment #6  
 Chalk Creek Bridge  
 B-B' Cross-section



Attachment # 8

Project Location on Summit Minerals, Inc Mine Map





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER RIGHTS

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
Robert L. Morgan  
Division Director

1636 West North Temple, Suite 220  
Salt Lake City, UT 84116-3156  
801-538-7240  
801-538-7467 (Fax)

October 6, 1993

Jim Carter  
Division of Oil, Gas, and Mining  
3 Triad Center Suite 350  
Salt Lake City UT 84180-1203

RE: Stream Channel Alteration Application 93-35-26SA to remove a hazardous bridge crossing of Chalk Creek.  
Expiration Date: October 6, 1994

Gentlemen:

Pursuant to Section 73-3-29 of Utah Code Annotated, 1953, the State Engineer's office has reviewed your Stream Channel Alteration Application No. 93-35-26SA and has approved your permit with the following conditions:

1. The expiration date of this approved application is October 6, 1994. The expiration date may be extended, at the State Engineer's discretion, by submitting a written request outlining the need for the extension and the reasons for the delay in completing the proposed stream alteration.
2. As discussed with Rory Reynolds of Wildlife Resources, the bridge removal should be accomplished prior to November 1, to avoid disturbing the brown trout spawning migration, which occurs during November and December.
3. W. D. Robinson of State Agriculture indicated that provided the sediment control and revegetation methods proposed in the application are complied with, there should be negligible non-point source pollution impact. He also requested that dormant willow planting be utilized along streamside areas.
4. The project must comply with all specifications and plans submitted as part of the application.
5. Impacts to the stream channel and surrounding environment must be minimized. Vegetation should not be destroyed, but if some disturbance is necessary, then revegetating with native species will be required, especially replacement of woody shrubs. The channel contours and configuration must not be changed.



Page 2  
93-35-26SA  
October 6, 1993

6. Sediment introduced into stream flows during construction must be controlled to prevent increases in turbidity downstream. This can be accomplished either by diverting flows away from the construction area or by constructing sediment control structures.
7. Excavated material and construction debris may not be wasted in any stream channel or placed in flowing waters, this will include material such as grease, oil, joint coating, or any other possible pollutant. Excess materials must be wasted at an upland site well away from any channel. Construction materials, bedding material, excavated material, etc. may not be stockpiled in riparian or channel areas.

The State Engineer hereby approves the application contingent on compliance with the conditions of the Corps' Nationwide Permit and the specifications of your application.

Sincerely,



Robert L. Morgan, P.E.  
State Engineer

RLM/crg/sh

pc: John Mann - Regional Engineer  
Brooks Carter - Corps of Engineers  
Maureen Wilson - Aquatic Habitat Coordinator  
Bob Mairley - EPA  
Bob Freeman - U.S. Fish & Wildlife  
Jim Dykman - State History  
Rory Reynolds - Regional Wildlife Habitat Manager  
W. D. Robinson - Department of Agriculture



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER RIGHTS

Michael O. Leavitt  
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Executive Director  
Robert L. Morgan  
Division Director

1636 West North Temple, Suite 220  
Salt Lake City, UT 84116-3156  
801-538-7240  
801-538-7467 (Fax)

October 29, 1993

Jim Carter  
Division of Oil, Gas, and Mining  
3 Triad Center Suite 350  
Salt Lake City UT 84180-1203

RE: Stream Channel Alteration Application 93-35-26SA to remove a hazardous bridge crossing of Chalk Creek. Amended October 29, 1993.  
Expiration Date: October 29, 1994

Gentlemen:

Pursuant to Section 73-3-29 of Utah Code Annotated, 1953, the State Engineer's office has reviewed your Stream Channel Alteration Application No. 93-35-26SA and has approved your permit with the following conditions:

1. The expiration date of this approved application is October 29, 1994. The expiration date may be extended, at the State Engineer's discretion, by submitting a written request outlining the need for the extension and the reasons for the delay in completing the proposed stream alteration.
2. As discussed with Rory Reynolds of Wildlife Resources, so long as bridge removal can be accomplished from the banks, impacts on the brown trout spawning migration will be minimized.
3. W. D. Robinson of State Agriculture indicated that provided the sediment control and revegetation methods proposed in the application are complied with, there should be negligible non-point source pollution impact. He also requested that dormant willow planting be utilized along streamside areas.
4. The project must comply with all specifications and plans submitted as part of the application.
5. Impacts to the stream channel and surrounding environment must be minimized. Vegetation should not be destroyed, but if some disturbance is necessary, then revegetating with native species will be required, especially replacement of woody shrubs. The channel contours and configuration must not be changed.



Page 2  
93-35-26SA  
October 29, 1993

6. Sediment introduced into stream flows during construction must be controlled to prevent increases in turbidity downstream. This can be accomplished either by diverting flows away from the construction area or by constructing sediment control structures.
7. Excavated material and construction debris may not be wasted in any stream channel or placed in flowing waters, this will include material such as grease, oil, joint coating, or any other possible pollutant. Excess materials must be wasted at an upland site well away from any channel. Construction materials, bedding material, excavated material, etc. may not be stockpiled in riparian or channel areas.

The State Engineer hereby approves the application contingent on compliance with the conditions of the Corps' Nationwide Permit and the specifications of your application.

Sincerely,



Robert L. Morgan, P.E.  
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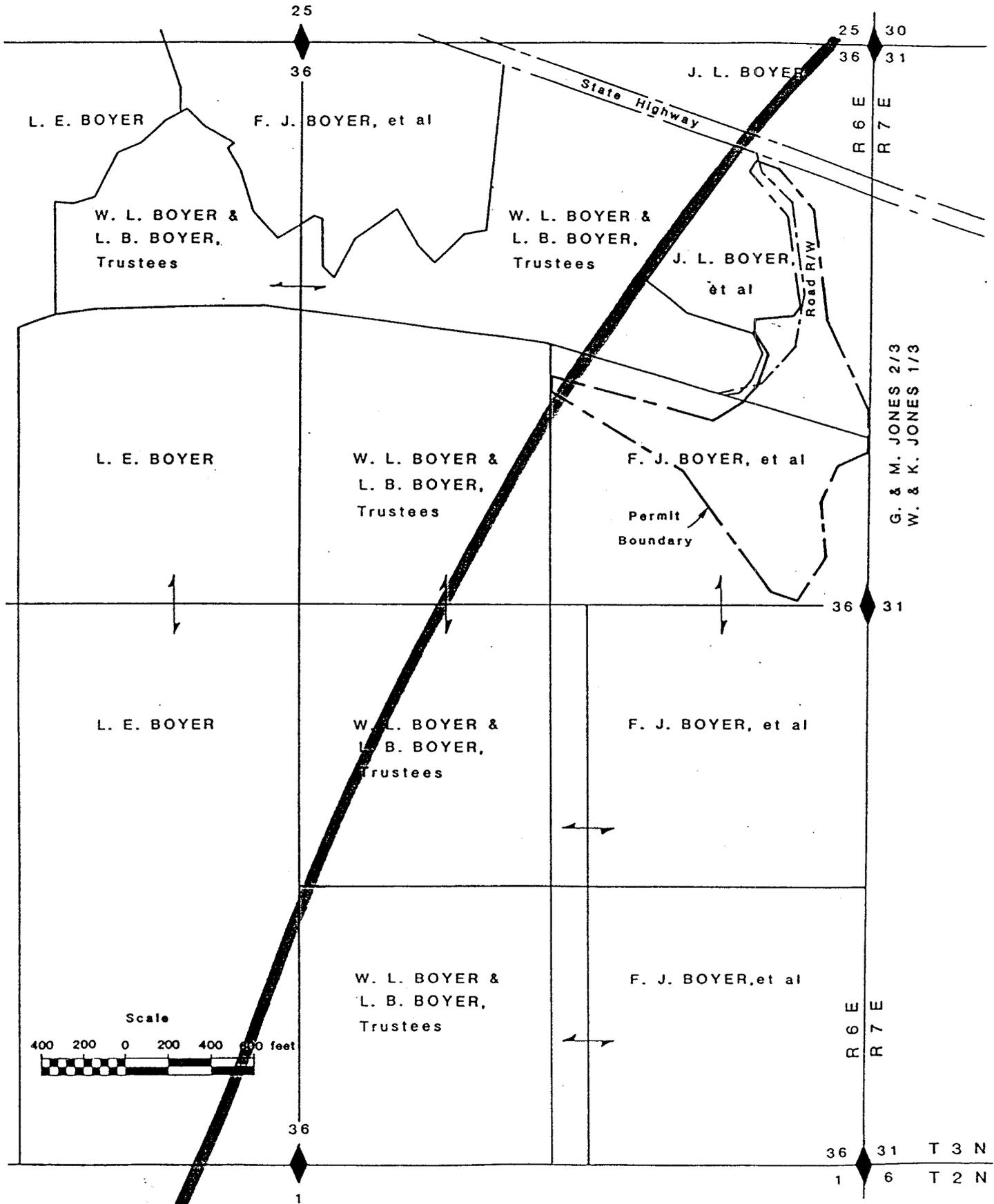


Figure 782.13-1.--Surface ownership of lands in and adjacent to Summit Minerals reclamation area.

NA 043001

UMC 782.13 IDENTIFICATION OF INTERESTS

UMC 782.13(a)(1) - Permit Applicant

The permit Applicant for the Summit No. 1 Mine Mining and Reclamation Plan is:

Summit Minerals, Inc.  
221 West 2100 South  
Salt Lake City, Utah 84115  
(801) 486-1861

UMC 782.13(a)(2) - Owners of Record

The legal or equitable owners of record of the of all areas to be affected by surface operations or facilities are:

Fern J. Boyer, et. al.  
5050 Ben Lomond Ave.  
Ogden, Utah 84404

the estate of Joseph L. Boyer, et. al.  
Upton, Utah 84017

The legal or equitable owners of record of all the areas to be mined are:

David S. Ferry, et. al.  
1915 West 300 South  
Provo, Utah 84601

State of Utah  
State Coal Lease Number 27512

Drawing number S1-1003 shows the legal or equitable owners of record of the surface and coal to be mined relative to the permit area boundary and disturbed area boundary.

UMC 782.13(a)(3) - Lease Holders of Record

There are no known lease holders of record in the areas to be affected by surface operations or facilities. The lease holder of record for the coal to be mined is Utah Coal and Energy, Inc. which is controlled by Summit Minerals, Inc.

## INSPECTION REPORT

(Continuation sheet)

Page 2 of 3

PERMIT NUMBER: INA/043/001

DATE OF INSPECTION: September 15, 1993

(Comments are Numbered to Correspond with Topics Listed Above)

### GENERAL COMMENTS

There are two on-site hazards that need to be addressed. The bridge that crosses Chalk Creek is no longer open to vehicle traffic. The embankment on both sides of the bridge have been eroded to the extent that vehicles can no longer drive onto the structure. Erosion has expose some of the brigde's footings. If erosion continues around the footings the bridge could topple or rotate into the creek, which could create a log jam and flood the surrounding area.

A sinkhole has opened up above the portals. The sinkhole was most likely caused by groundwater transporting soil into the portal and creating a void in the overlying soil. The void continued to increase in size until it became unstable and the overlying soil collapsed into the sinkhole. The sinkhole is located in a remote area and activities in the area appear to be light.

The sinkhole must be sealed. The surface water that flows over the portals must be diverted to prevent sinkhole formations.

### 5. EXPLOSIVES

There is an explosive magazine located in a hillside. The magazines footing, near the door, have been undercut by erosion. At this time the structure is not a hazard to the public or the environment.

### 9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES

The embankments on the Chalk Creek bridge have eroded to the extent that vehicles can no longer have access to the structure. Some of the material around the bridges footings has eroded. If no action is taken the footings will be undercut and the bridge will topple or rotate into the stream. The bridge could then create a logjam and the surrounding property would be flooded.

The current reclamation plan is to remove the bridge this fall. Photographs and measurements of the bridge were taken and will be used to develop a bid package for the structures removal.

### 14. SUBSIDENCE CONTROL

A sinkhole has opened up above one of the portals. It appears that groundwater has transported soil above the portal. As the soil was eroded a void was created. Eventually the void grew to the point that the overlying soil became unstable and collapsed, creating the sinkhole. The sinkhole is over 20 feet, deep 10 feet in diameter at the top and 2 to 3 feet in diameter at the bottom.

## INSPECTION REPORT

(Continuation sheet)

Page 3 of 3

PERMIT NUMBER: INA/043/001

DATE OF INSPECTION: September 15, 1993

(Comments are Numbered to Correspond with Topics Listed Above)

### 14. SUBSIDENCE CONTROL (cont'd)

The sides of the sinkhole are nearly verticle. If someone were to fall into the sinkhole they would have a difficult time climbing out.

Some rocks were dropped into the sinkhole. The rock continued to roll past the line-of-sight. I estimate the rocks continued to roll 10 feet once they were out of sight. A splash was heard indicating that there is standing water in the portal.

There is no indication that the area receives a lot of visitors. The sinkhole is a hazard and should be sealed off as soon as practical.

### 16. ROADS:

#### a. CONSTRUCTION/MAINTENANCE/SURFACING

The portions of the roads that are adjacent to the bridge have been eroded away. The bridge is now closed to all vehicle traffic. See section 9.

### 17 OTHER TRANSPORTATION FACILITIES

The bridges foundations are being undercut by erosion. While the bridge appears to be stable at this time future erosion could undercut the foundations to the point that the bridge would eventually topple or rotate into the river. See section 9.

Copy of this Report:

Mailed to: Bernie Freeman (OSM)

Given to: Joe Helfrich (DOGM)

Inspector's Signature: *Wayne White*

#

Date: *Sept-20/1993*

## INSPECTION REPORT

(Continuation sheet)

Page 2 of 3

PERMIT NUMBER: INA/043/001

DATE OF INSPECTION: October 28, 1993

(Comments are Numbered to Correspond with Topics Listed Above)

### GENERAL COMMENTS

The Division has awarded the hazardous mitigation contract to VCM Construction. The contract calls for removal of the bridge that spans Chalk Creek and filling of a sinkhole near sealed portals.

The contractor began removing the planking on bridge on October 26, 1993. At the end of the day Bill Boyer, a neighboring landowner who has a right-of-way that included the area where the bridge is located, visited the site. Mr. Boyer informed the contractor of the right-of-way agreement and requested that bridge demolition cease.

At 10:00 a.m. on October 27, 1993 I visited the site to see how the work was progressing. Mr. Boyer arrived approximately 15 minutes later and informed me that Lowell Braxton had suspended further demolition work until Mr. Boyer and others who used the bridge had an opportunity to present their case. Mr. Boyer contends that he and other neighboring landowners need the bridge for access to their property on the south side of Chalk Creek.

Mr. Boyer met with Jim Carter, Lowell Braxton, Daron Haddock and Wayne Western on October 27, 1993 in the early afternoon at Division headquarters. Mr. Boyer restated his position that his right-of-way included the area where the bridge is located and that removal of the bridge would deny him access to his property. Mr. Boyer acknowledged that the bridge was in disrepair. Mr. Carter agreed to suspend further demolition work until he could meet with the Director of Natural Resources and all interested landowners. The decision of whether or not to proceed with the demolition should be made by the first week of November.

The stream alteration permit originally stated that no work could be done in the stream from November 1, 1993 to February 1994 because of the spawning migration of the German brown trout. I contacted Jim Wells, who originally granted the permit, and he agreed to extend the time that work could be conducted in the stream until November 12, 1993.

During my inspection on October 28, 1993 I inspected the sinkhole behind the portals. The contractor had partially filled the sinkhole by hand and then quit for lunch. During the inspection the contractor returned and stated that rest of the sinkhole would be filled in by the end of the day.

### 9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES

The Division of Wildlife Resources has been contacted about the bridge removal delays. DWR is concerned that stream disturbances will interfere with the German brown trout spawning migration. They originally requested that all work in the stream be completed by November 1. When I explained the delays they agreed to extend the work period for a few days.

## INSPECTION REPORT

(Continuation sheet)

Page 3 of 3

PERMIT NUMBER: INA/043/001

DATE OF INSPECTION: October 28, 1993

(Comments are Numbered to Correspond with Topics Listed Above)

### 14. SUBSIDENCE CONTROL

The sinkhole behind the portals is in the process of being fill by the contractor. The sinkhole was a danger because it provided access to the mine workings in addition to the hole itself.

Copy of this Report:

Mailed to: Bernie Freeman (OSM)

Given to: Joe Helfrich (DOGM)

Inspector's Signature: *Walter A. Walters* # \_\_\_\_\_ Date: Nov 3, 1993

