November 2, 1988

TO: File

FROM: Wayne Hedberg, Reclamation Hydrologist DWH

RE: Site Inspection, Kennecott, Utah Copper Division, Pine Canyon Reclamation Project, M/045/004, Tooele County, Utah

On November 1, 1988, Division staff members Holland Shepherd and Wayne Hedberg met with Mr. Brian Buck of JBR, Mr. Ted Heimbaugh, Fred Synder and Clint Ensley of Kennecott, Utah Copper (Kennecott) at the Pine Canyon Reclamation Project. The purpose of the visit was to conduct an inspection of the ongoing reclamation work which had commenced approximately two weeks ago. Mr. Ensley, project engineer for Kennecott, gave the technical staff a complete tour and evaluation of the reclamation project site.

Significant progress has been made, particularly in the upper reaches of the canyon and on the upper pad where the main office, shop and warehouse buildings were located. All these structures have been removed and regrading work was being conducted at the time of our field visit.

Most of the structures and concrete foundations, which remained from Anaconda Minerals Company's previous mining operation, have now been knocked down and buried as part of the reclamation process. Several pictures were taken of the reclamation efforts completed thus far.

Some stream channel realignment modification may be required in the area where old stockpiled ore reserves have been removed. Currently, there is a large depression which is well below the proposed grade for the realigned stream channel. A series of drop structures were discussed as a possible solution to lowering the stream channel down to this grade. This would be a change in the previous design approval for this section of the channel. Another option would be to haul in a substantial amount of fill material to bring the depression area back up to grade.

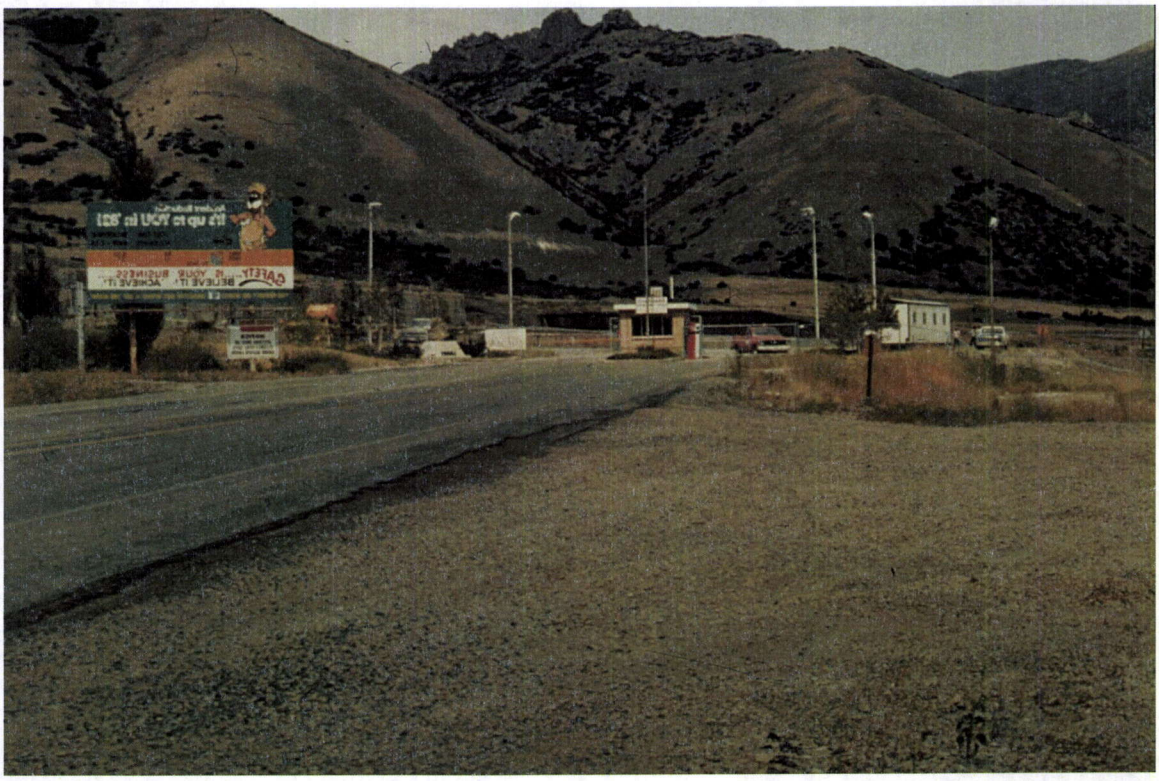
The Division technical staff was very impressed with the quality of the reclamation work which has taken place to date. The operator and consultant should be complimented on the extent of work that has been performed and the competence of the project engineer supervising the field construction.

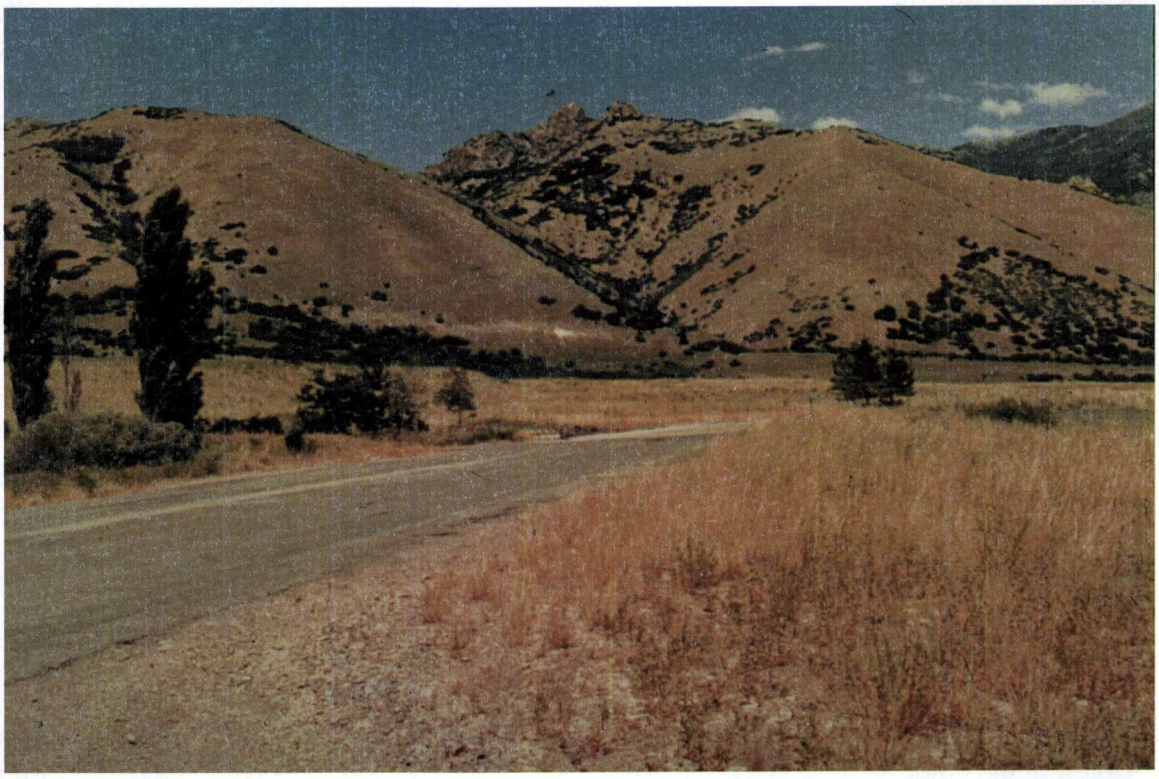
Mr. Ensley indicated that he anticipated that some of the reseeding work would commence within a week to ten days. We asked that Kennecott notify our office when the revegetation work did begin. We would like to schedule another field visit with other members of the Division staff in order to oversee this part of the reclamation program. Mr. Heimbaugh indicated that he would contact our office when the revegetation work begins. He also indicated that Kennecott would be mailing out their final response package to our office in response to our September 26th conditional approval letter today. He indicated that it was Kennecott's intention to have a final reclamation plan for the structures which will temporarily remain onsite into our offices by the required deadline of April 1, 1989.

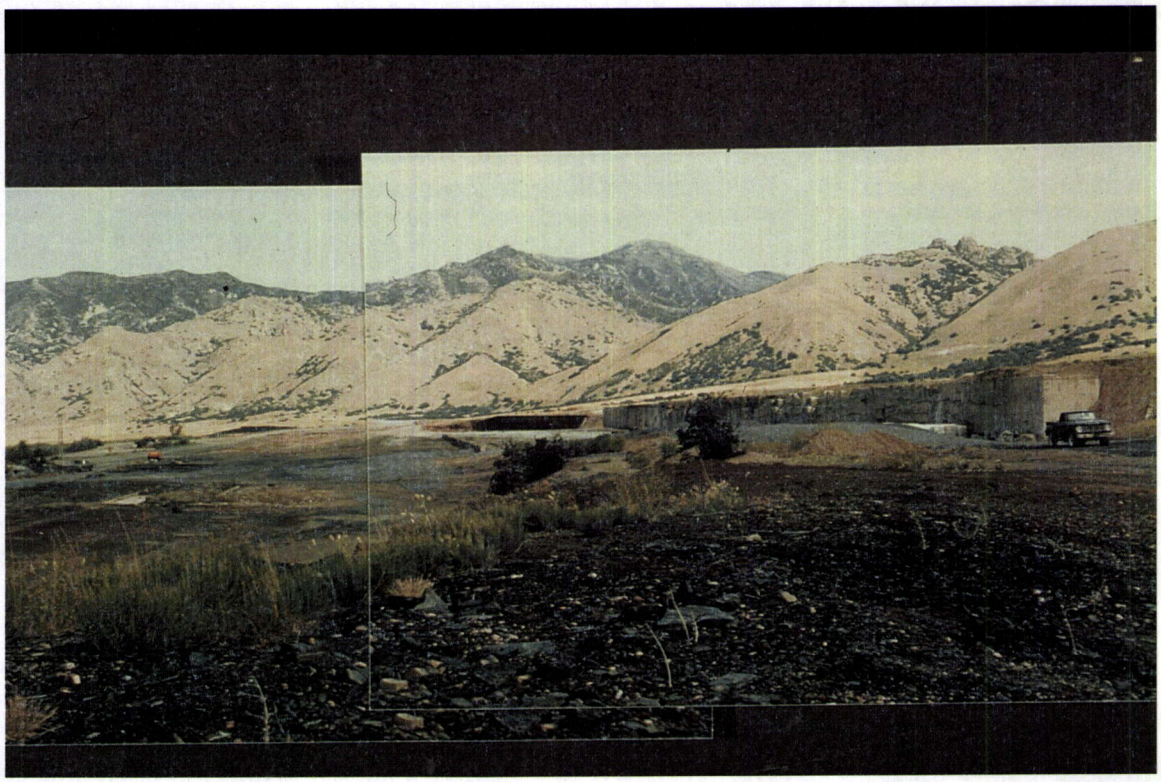
jb
cc: Ted Heimbaugh, Kennecott
Brian Buck, JBR
Lowell Braxton
Minerals Team
Field File
MN2/33-34

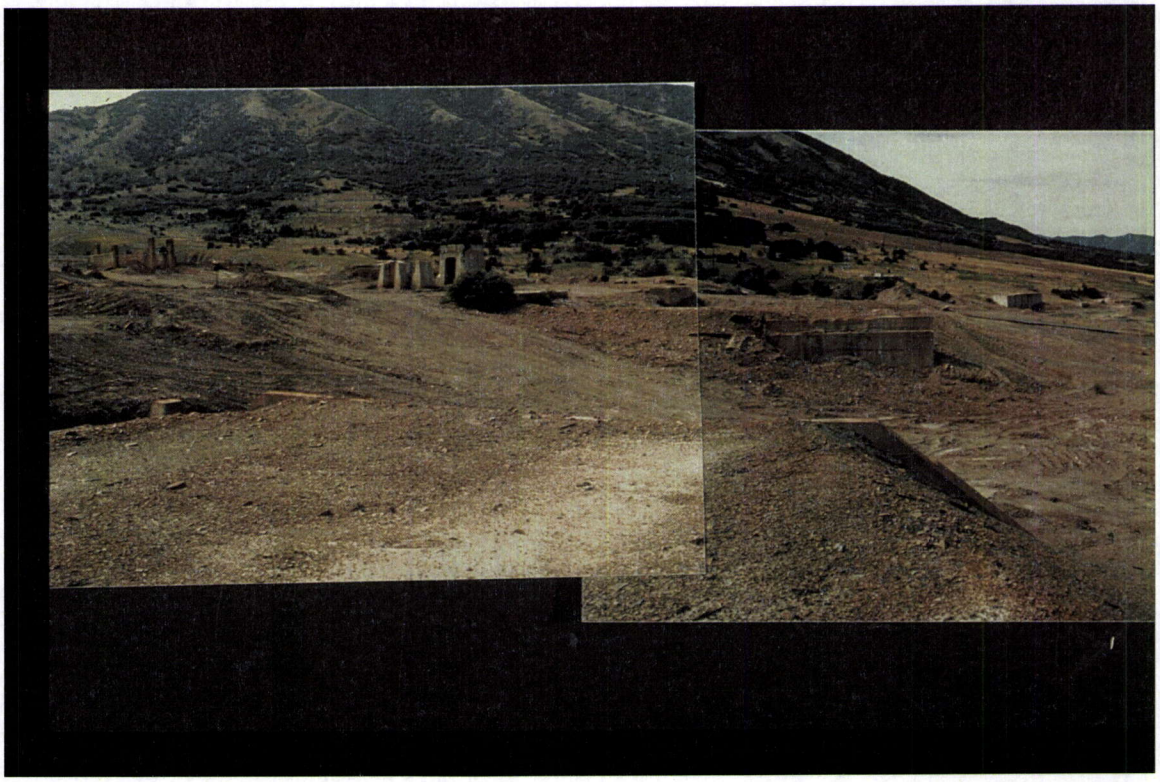
M/045/004 Kennecott - Pine Cyn. Reclam. Project
(11/1/88)
Upper Canyon regrading work
+ Channel reconstruction (above upper-most pad.)
* View to the west side of canyon

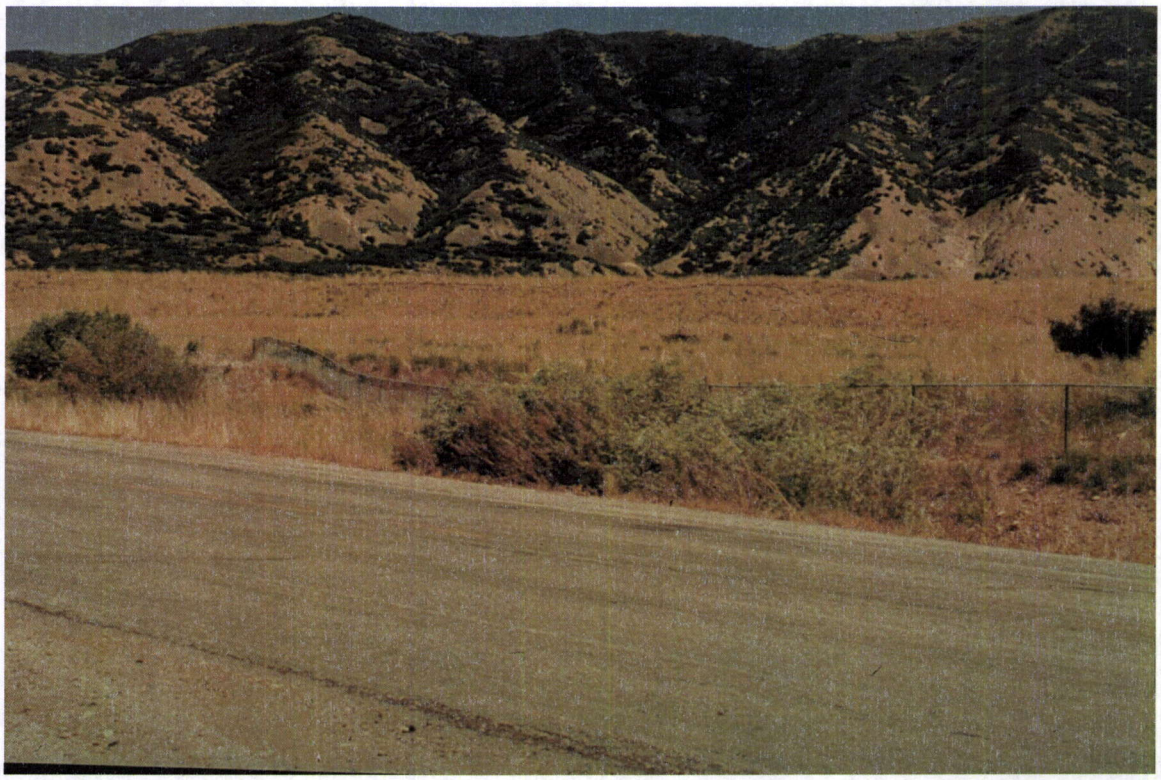
11-02-1988

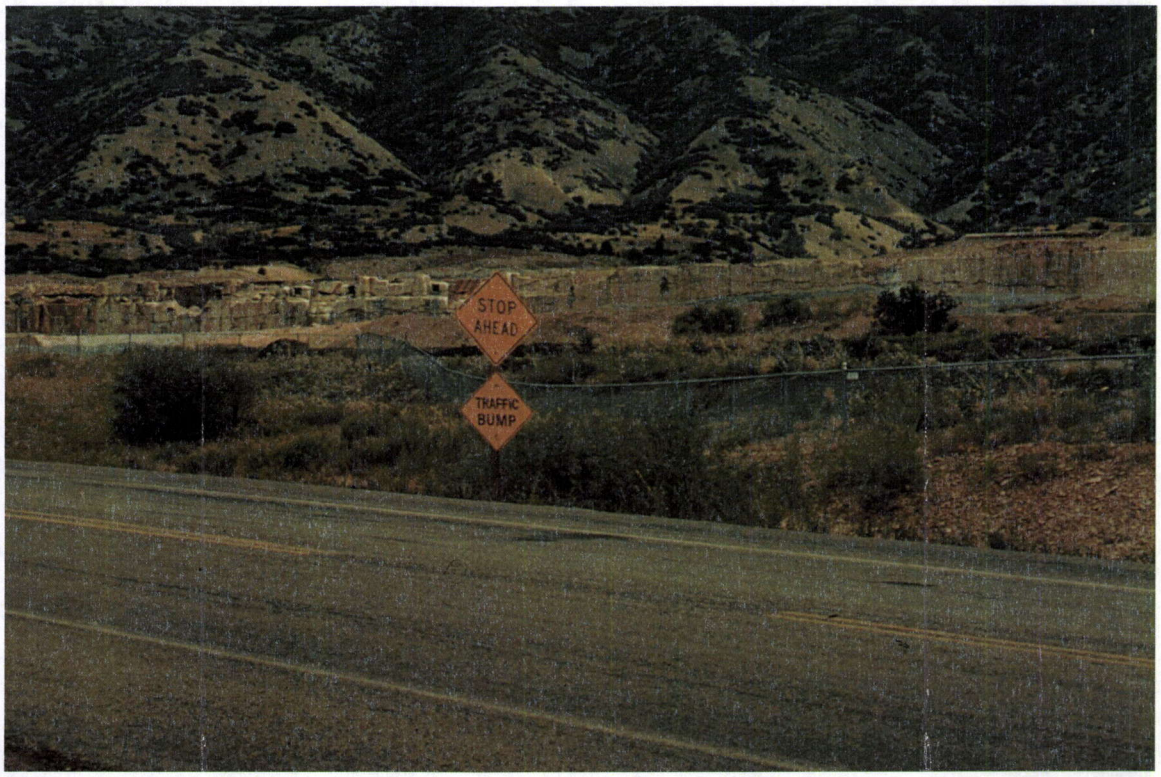








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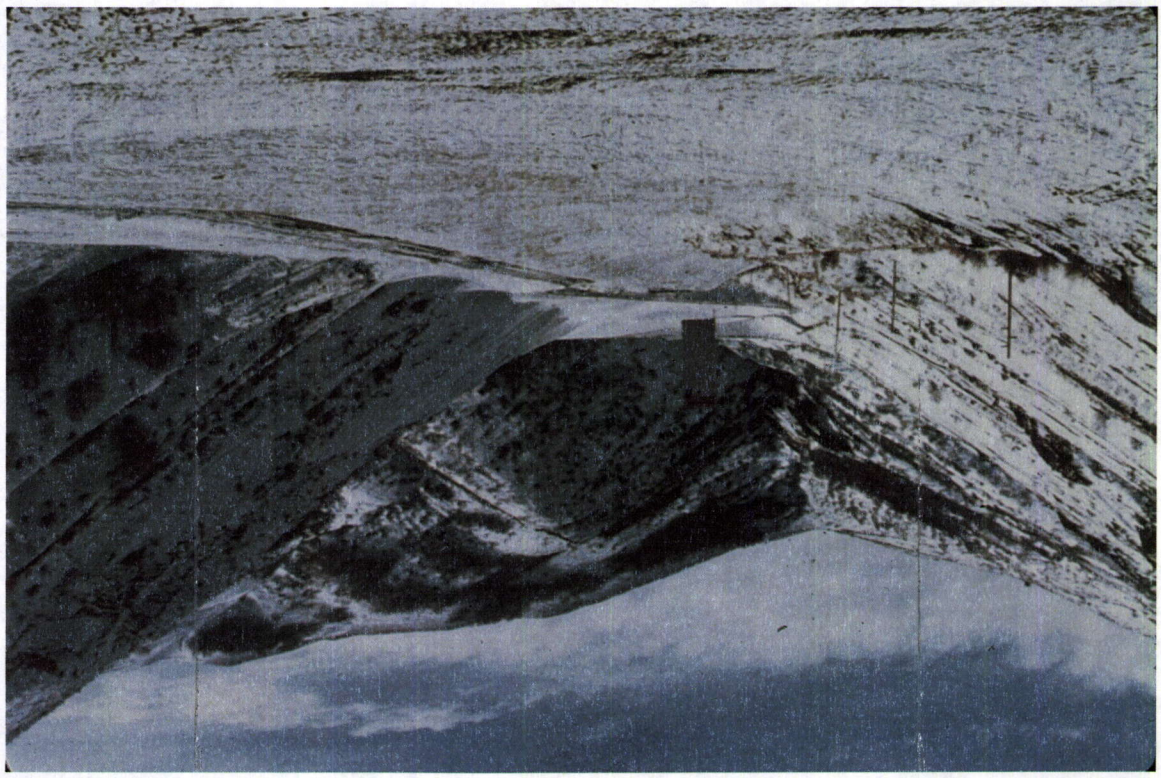
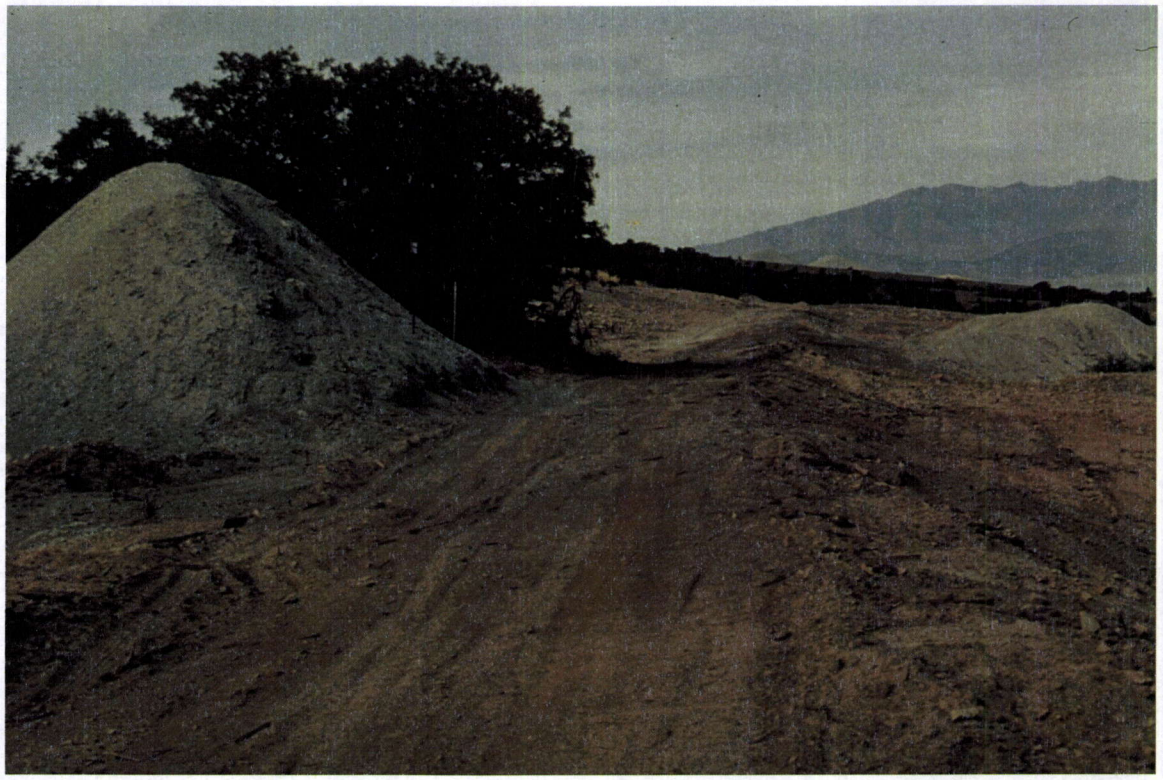
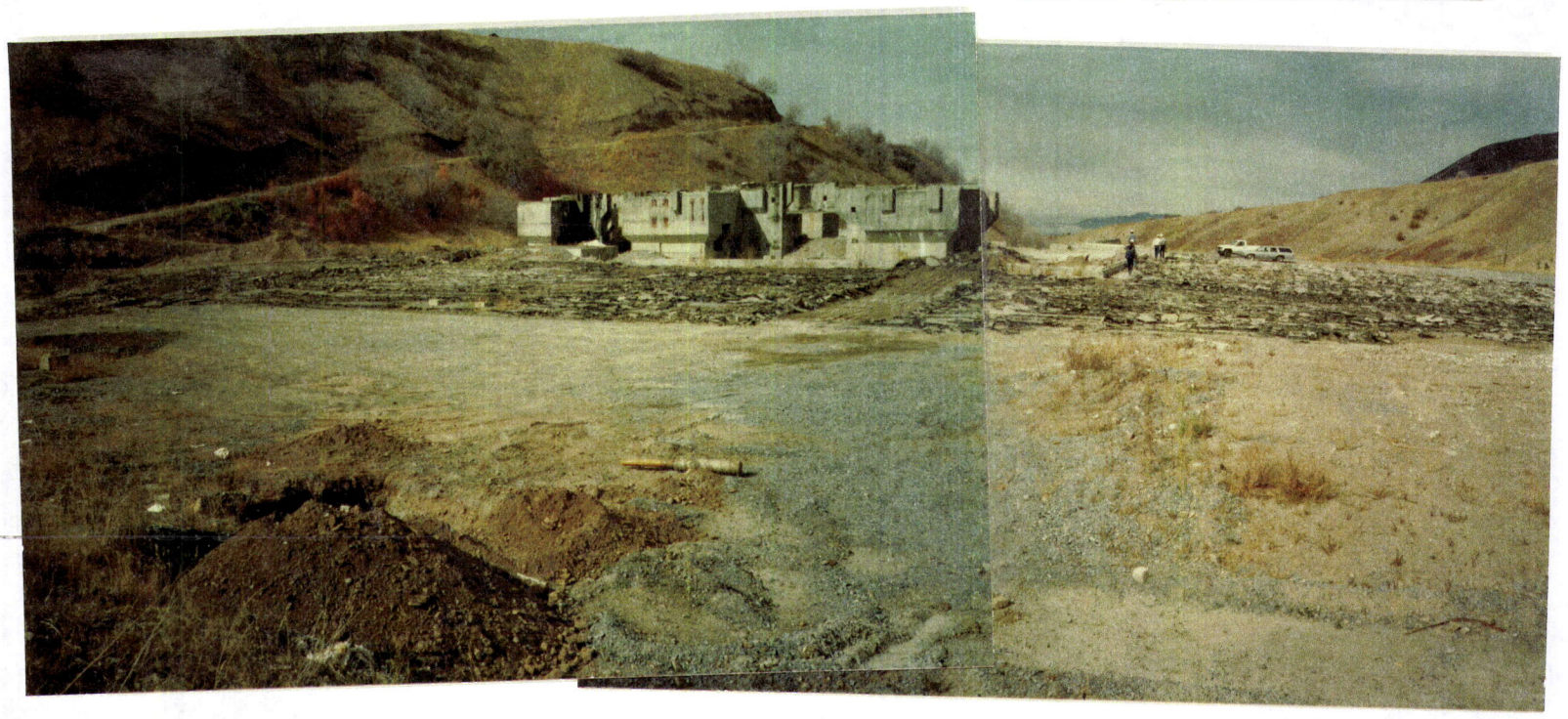




11/1/1988

M/045/004



M/045/004 Kennecott – Pine Cyn. Reclam.
(11-1-88)

Channel reconstruction above upper most pad.

M/045/004 Kennecott – Pine Cyn. Reclam.
Regrading & foundation burial work.
(11-1-88)

M/045/004 Kennecott – Pine Cyn. Reclam.
(11/1/88)
Upper Pad regrading + North Fork Channel reconstruction
* Note Pine Canyon Tunnel Closure lower left corner of picture.

D
M/045/004
11/1/88
Salvaged stockpiled ore area. Area is now below grade of proposed stream channel. Will require minor changes to engineering designs for channel section due to lack of fill.

M/045/004 Kennecott – Pine Canyon Reclam.
(11-1-88)
Channel realignment construction.
* Area is adjacent (just west) of upper most pad.

M/045/004 Pine Cyn. Reclamation
Area of old thickners, steel has been salvaged, hole to be plugged + then area regraded & revegetated
11/1/88

M/045/004 Pine Cyn. Reclamation
Concrete forms used to pour a plug for reclaim line tunnel.
11/1/88