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Orig Mine file
cc P. Daniels
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J. Helfrich

CO-OP MINING COMPANY

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February 8, 1985

RECEIVED

FEB 13 1985

DIVISION OF OIL
GAS & MINING

Utah Division of Oil, Gas & Mining
355 West North Temple
#3 Triad Center Suite 350
Salt Lake City, Utah 84180-1203

Attention: Dr. Dianne R. Nielson, Dir.

RE: 788.12,2,(d) Incedental
Boundary Revisions

Dear Dr. Nielson:

Co-Op Mining Company, Bear Canyon Mine ACT/015/025,#2, Emery County Utah, formally requests under UCA-40-10-1 et seq. UMC regulation 788.12,1,(d) an incidental boundary change Bear Canyon Mine permit area. The change is noted and delineated on attachment Figure 3-4A(1) and on Plate 3-4A. The incidental boundary change encompasses an area of 1.5 acres which is less than 1% of the existing permit area.

This area is necessary to stockpile topsoil and will preclude the unnecessary disturbance of additional land in Bear Canyon considering this area is presently disturbed.

Co-Op feels that the existing surity agreement is adequate to address this additional area. This assumption is based on the fact that there are no new structures, road, and/or facilities within the 1.5 acre area. Co-Op anticipates reclamation of the area, Fall of 1985. The

area was covered by the existing subsidence inventory and lies within the existing permit area of potential subsidence influence zone.

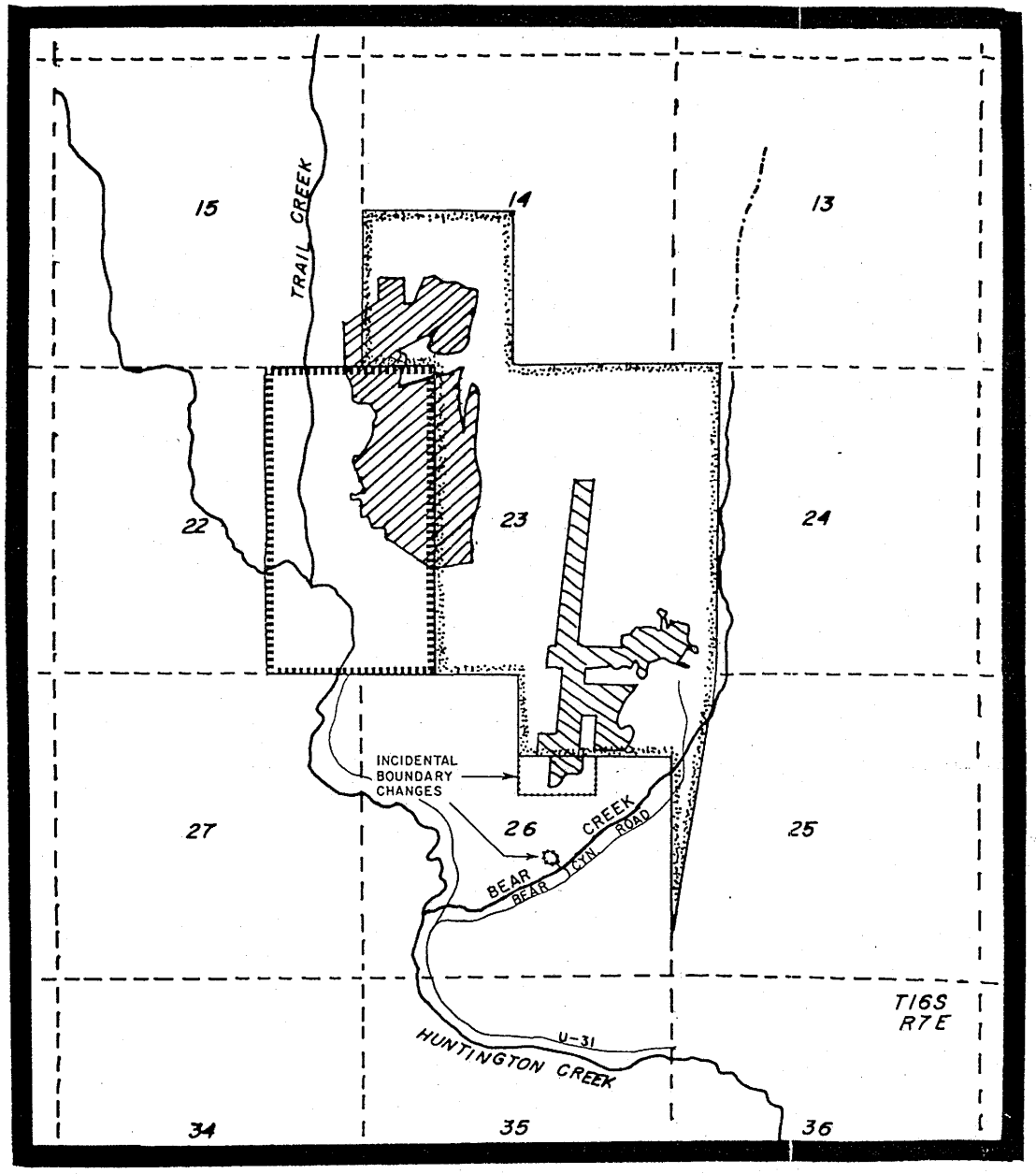
I have included a copy of the plan for your personal review.

I appreciate your consideration of this matter.

Sincerely,

Melvin A. Coonrod
Permitting and Compliance

njc/mc



KEY

BEAR CANYON MINE PERMIT AREA

TRAIL CANYON MINE PERMIT AREA

BEAR CANYON MINE WORKINGS

TRAIL CANYON MINE WORKINGS

SECTION BOUNDARIES

STREAMS

N

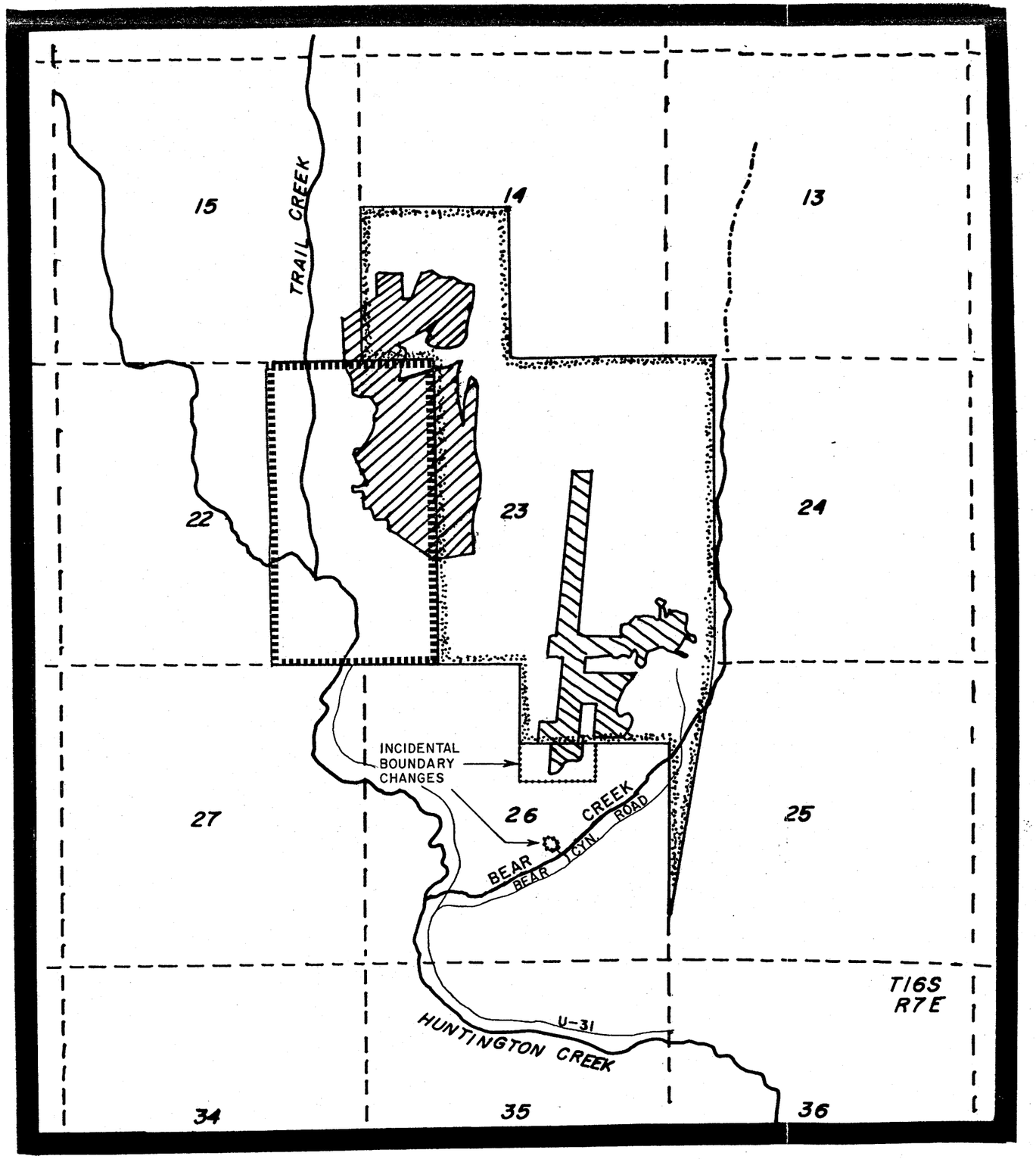
0 0.5 1.0 MI.

SCALE 1:24,000

TRAIL CANYON AND BEAR CANYON MINES:
PERMIT AREAS / MINE WORKINGS

INCIDENTAL BOUNDARY CHANGES

FIGURE 3-4a



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INCIDENTAL BOUNDARY CHANGES

FIGURE 3-4a

8.6 USE OF SELECTED OVERBURDEN MATERIALS OR SUBSTITUTES

Total estimate of topsoil stockpile in place as of 08/31/83, Co-Op Mine, Bear Canyon.

Tentative estimate of soil on hand is 2600 cubic yards. (See Plate 8-2). Additional material is not anticipated with the completion of the bathhouse and shop grading. Total estimate of material necessary to cover those areas with 6" of soil where there is no available growth media on site is 6.2 acres. The balance of the 10 acres [3.8] has the native material available and redistributed on interim reclaimed areas or it is available as down east material along the pre-law existing road.

At present the mine is deficient approximately 5,500 cubic yards. However, this material is available off-site. Co-Op has purchased in excess of 6,000 cubic yards from R.D. Campbell property in Carbon County, Utah. The preliminary tests indicate the soil is comparable or better than what was present prior to disturbance. Co-Op has a "Life of mine, paid in full" lease on approximately 2 acres of fee property within .5 miles of the mine along the Bear Canyon County road (See Plate 8-3). Historically, the area has been utilized for recreation. At present, there is a baseball field, picnic area, and concrete dance pavillion (See photo, Figure 8.6-1). The existing soils on this site are marginal and despite several attempts at revegetation, are virtually bare. Co-Op is committed to relocating 6,324 yds. of soil. The intent is to distribute this material at a uniform depth of 4" over

an area of 75,600 sq. ft. (app. 924 cu. yds.). This material will be of a permanant nature and will be left in place at the conclusion of mining. An additional5,500 cubic yards will be distributed at a uniform depth on the ball field (See Fig. 8.6-2, cross section of substitute topsoil pile). This area will serve as a topsoil pile during the life of the mine, the field will have a clear water diversion ditch to prevent potential erosion and will be bermed until revegetation efforts preclude the potential of surface erosion.

A seed mix is designed for a rapid establishment of a turf suitable for recreational use as well as rapid establishment of a dense sod covering (See Table 8.6-1). A sprinkling system will be installed to insure both establishment and permanance. At the conclusion of the mining the surplus topsoil will be removed and redistributed on the mine property disturbance. The remaining 4" of soil will be revegetated utilizing the same methodology that the mine has committed to on the balance of their property to enhance both domestic and wildlife use.

The necessity for an alternative site off permit is justified by the following on-site conditions:

1. The Bear Canyon mine site is fully occupied with the existing structures.

2. There is no site within the permit boundary which could be utilized without massive additional disturbance.

3. Due to the critical winter range statute of the canyon bottom for Mule deer winter feed, any additional disturbance would be unwarranted.

4. The vegetation established at the alternative site would enhance wildlife feed.

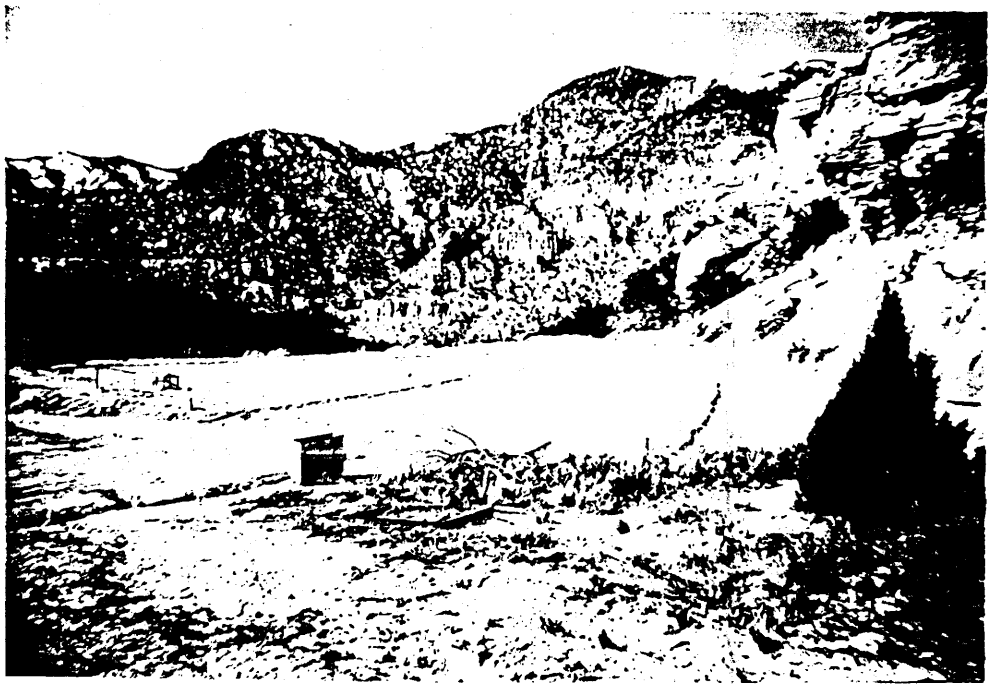
Table 8.6.-1

SEED LIST BALL PARK

Poa pratensis	50#/acre
Festuca dasycloda	50#/acre

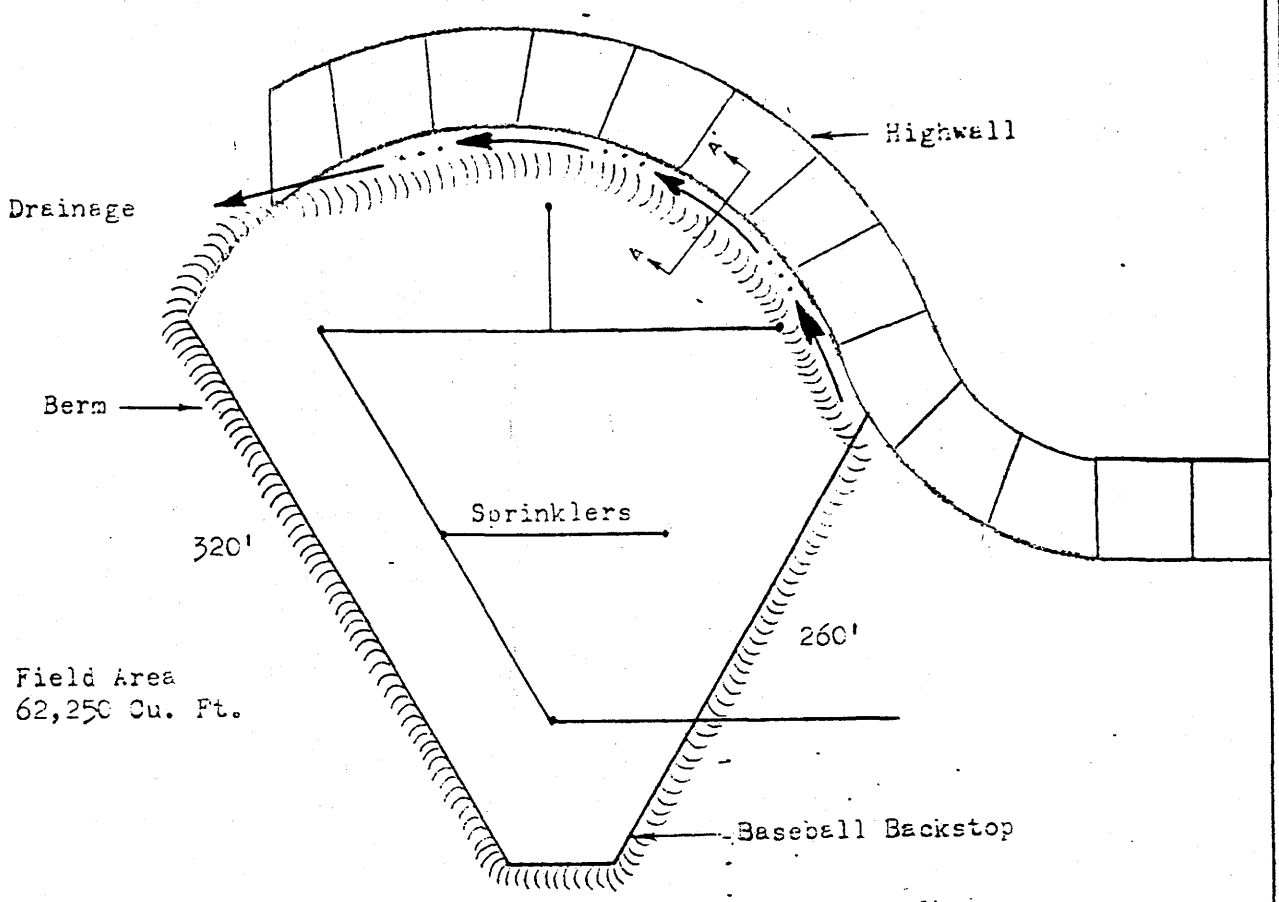
An incidental boundary change was submitted 2/8/85 in order to incorporate this area into the permit area. See attachment 8.6-1.

Figure 8.6.-1



PLAN VIEW

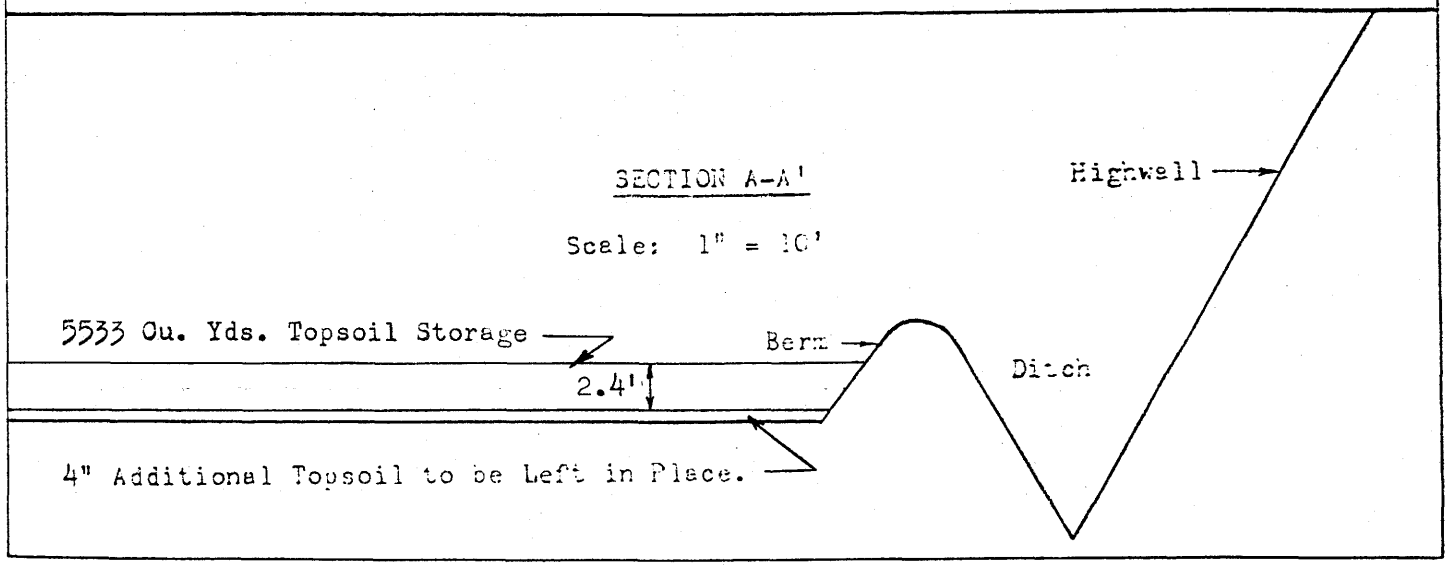
Scale: 1"=100'



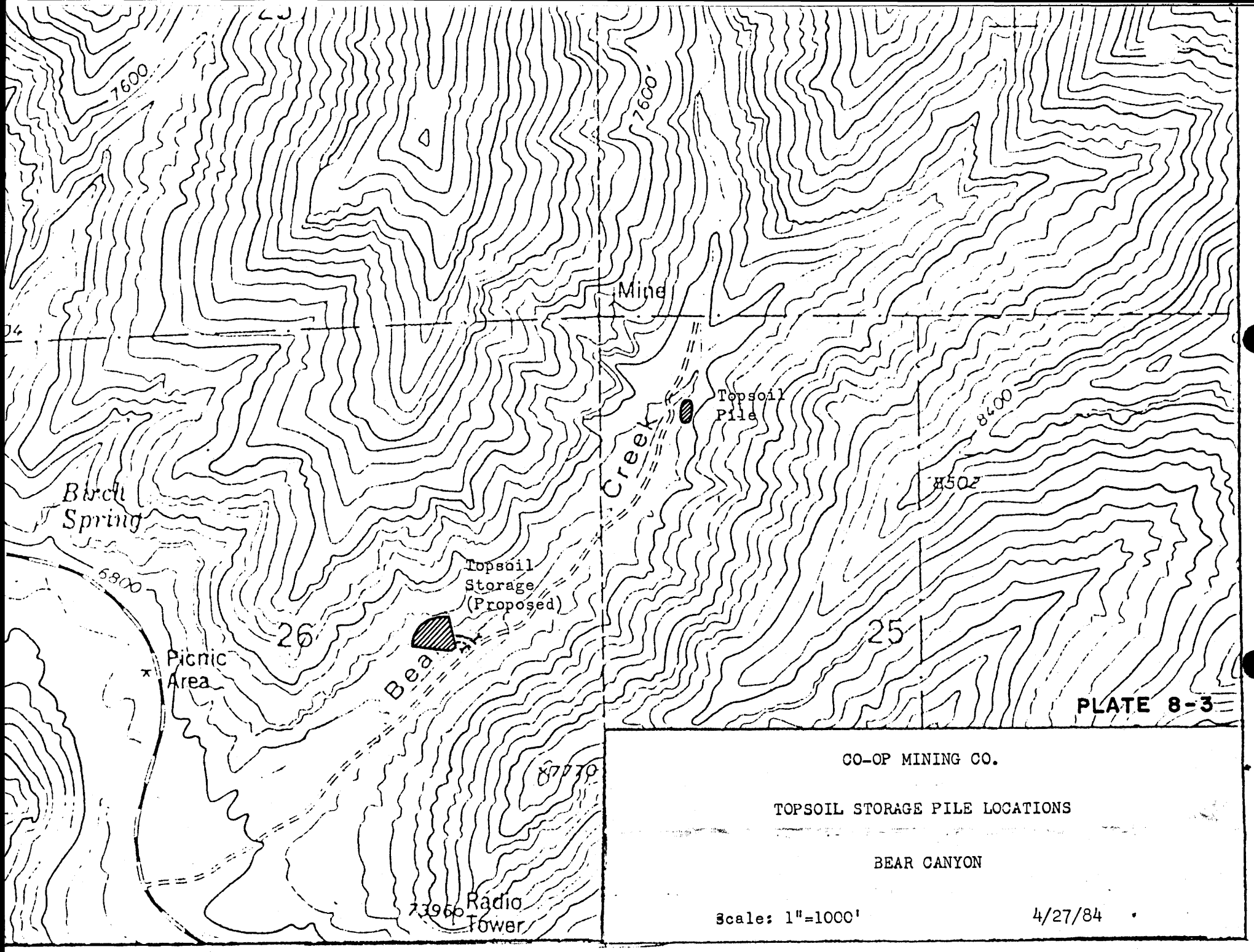
PROPOSED TOPSOIL STORAGE AREA

SECTION A-A'

Scale: 1" = 10'



PROPOSED TOPSOIL STORAGE	BEAR CANYON	FIGURE NO. 8.6-2



CO-OP MINING CO.

TOPSOIL STORAGE PILE LOCATIONS

BEAR CANYON

Scale: 1"=1000' 4/27/84