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September 24, 1979

Mr. Wendell Owen  
Co-op Mining Company  
P.O. Box 300  
Huntington, Utah 84528

RE: Bear Creek Canyon Mine  
ACT/015/025

Dear Mr. Owen:

As per your telephone request the Division staff has made a determination of minimum culvert sizes for the proposed crossing of Bear Creek and for the wash adjacent to the sediment pond. Using a computer program that utilizes Soil Conservation Service derived curve number technology for hydrograph synthesis it was determined that the stream crossing requires a culvert of a diameter of at least 60 inches, and the culvert for the wash requires a culvert of a diameter of at least 18 inches.

Inlets and outlets of these structures must be rip rapped and trash racks must be installed upstream of the inlets.

Enclosed is a summary of the work performed. If you have any questions, please feel free to call.

Sincerely,

K. MICHAEL THOMPSON  
ENGINEERING GEOLOGIST

KMT/te

Enclosure

7100

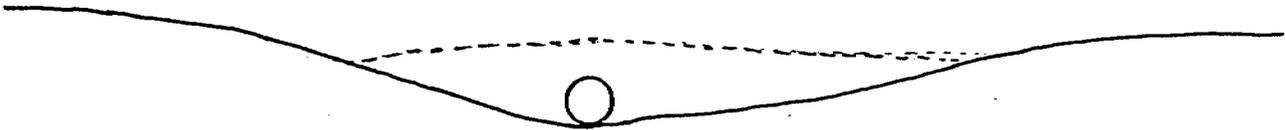
A-A'

92

84

7080

SCALE: 1" = 20'



0 20 40 60 80 100 120

7092

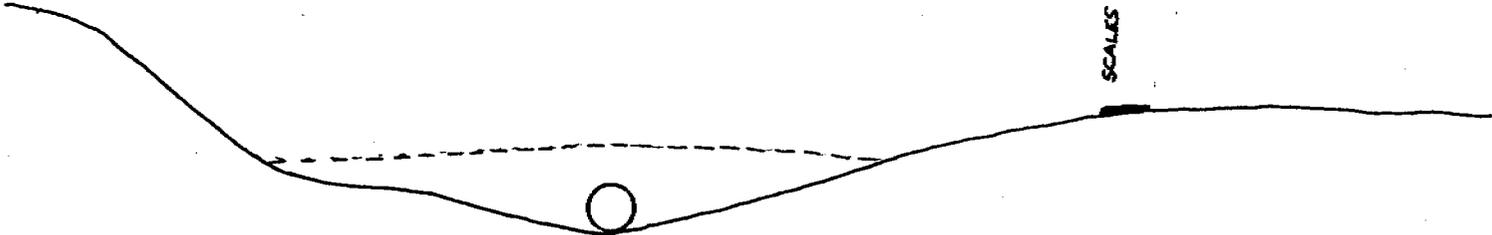
SCALES

84

76

7068

B-B'



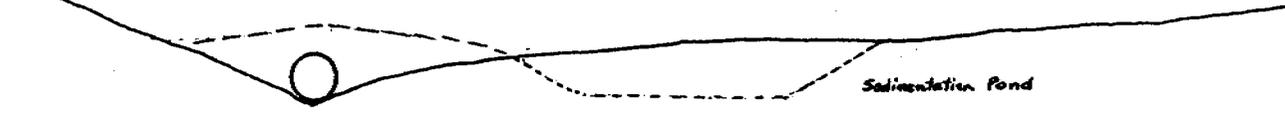
0 20 60 100 140

C-C'

1072

64

1060



0 20 60 100 120

STREAM

Sedimentation Pond



Disturbed Area - 2.88 ac

