

0013

Beaver Creek Coal Company  
P.O. Box AU  
Price, Utah 84501  
Telephone 801 637-5050



November 8, 1983

Mr. Tom Munson  
Utah Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Dear Mr. Munson:

Regarding Beaver Creek Coal Company's Gordon Creek No. 2 Mine Southwest Lease Exploration Project, the company is proposing to substitute a 36" culvert for the chute drop structure that was presented in the exploration plan (p. 3-48). The culvert will require less maintenance and will be easier to install while serving the same purpose as the drop chute.

The culvert was sized to accomodate the 25 year, 24 hour peak discharge calculated for the Left Fork of Bryner Canyon (p. 3-47). The enclosed nomograph was used in the sizing procedure.

Because the runoff velocity at the base of the slope will be greater with the CMP culvert than with the grouted rip-rap drop chute, Beaver Creek plans to install 50 feet of horizontal culvert prior to discharge into the Bryner Canyon channel. Rip-rap with a median diameter of six (6) inches will be used as final outlet protection. Details of the culvert and it's outlet control are provided in the enclosed drawing.

If you have any questions or problems concerning this submittal, please contact me immediately.

Sincerely,

*Scott M. Raymond*

Scott M. Raymond  
Environmental Coordinator

SR/cn

cc: Jim Travis

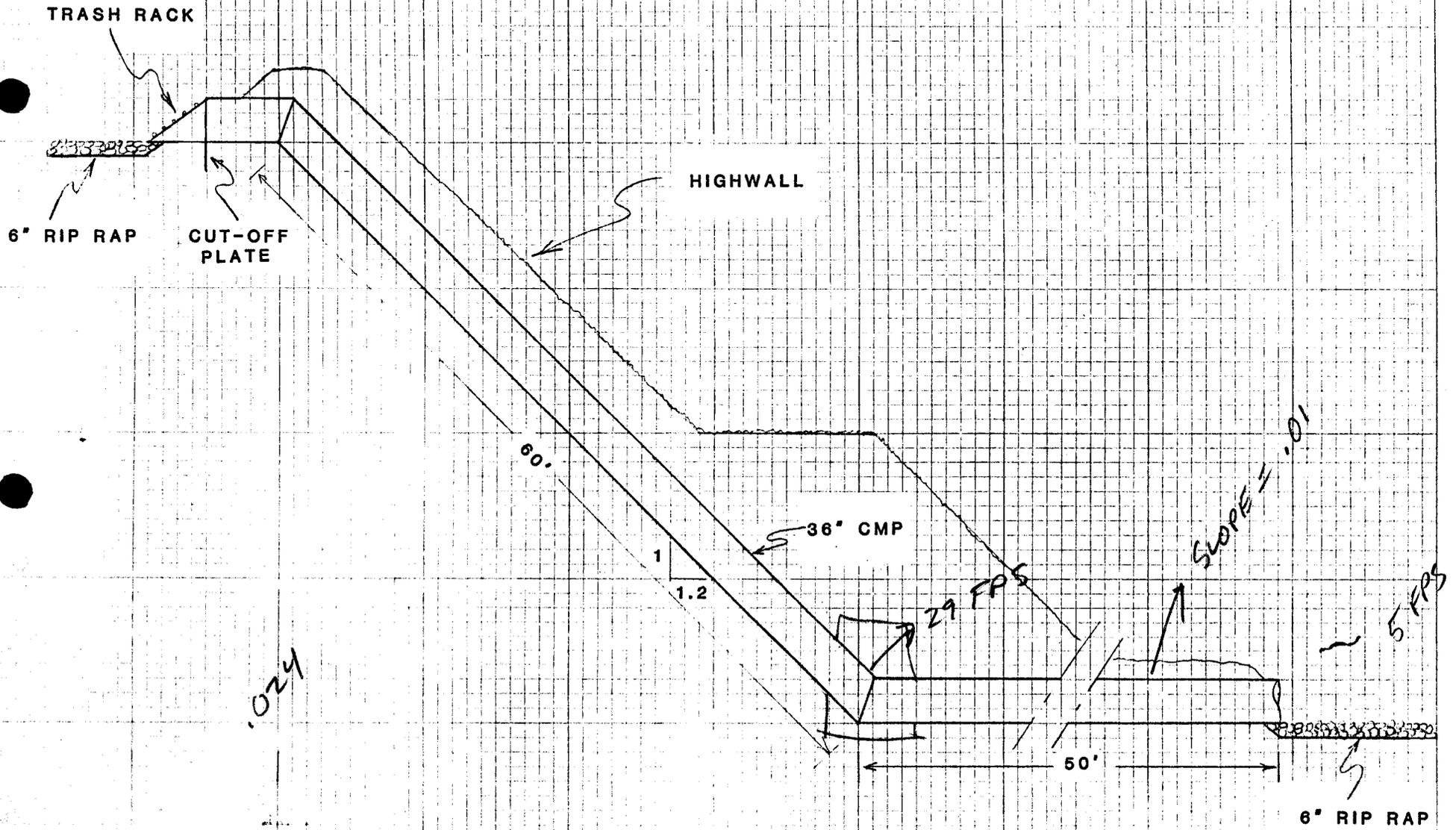
bcc: D. Guy  
A. O'Hayre DAT 2150  
D. Robison  
J. Voorhees  
File 4-P-5-6-2

**RECEIVED**  
NOV 10 1983

**DIVISION OF  
OIL, GAS & MINING**

# HIGHWALL CULVERT

DESIGN DISCHARGE OF 7.74 CFS REQUIRES 24" CMP  
36" CMP WILL HANDLE 30 CFS



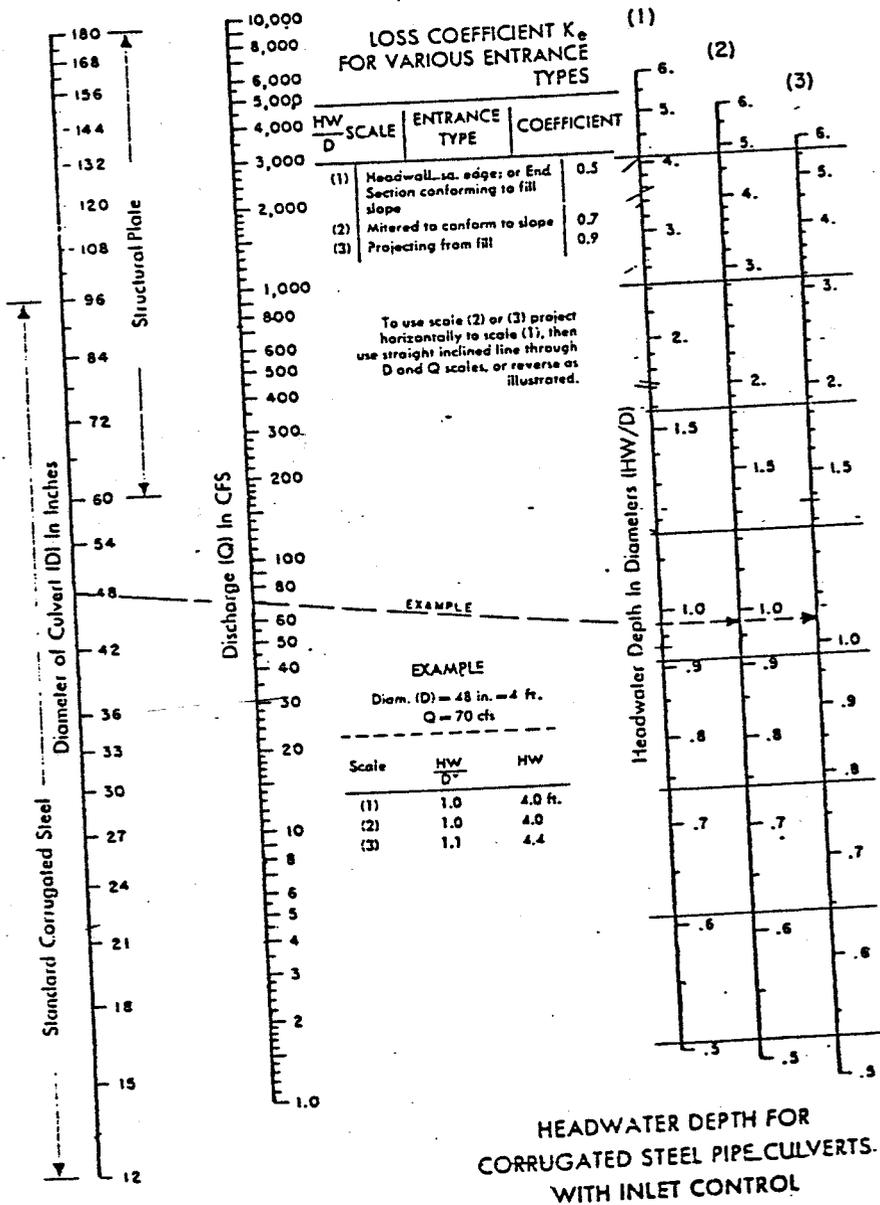


Fig. 4-18. Inlet control nomograph for corrugated steel pipe culverts. The manufacturers recommend keeping  $HW/D$  to a maximum of 1.5 and preferably to no more than 1.0.