



**U. S. Steel  
Mining Co., Inc.**

A Subsidiary of United States Steel Corporation

Coal Cleaning Plant  
P.O. Box 437  
Wellington, Utah 84542  
801-637-0120

WESTERN DISTRICT

ACT/007/012 FILE # 3 + 7  
C.G. S. PRUITT  
J. SMITH

RECEIVED

AUG 6 1984

DIVISION OF OIL  
GAS & MINING

August 3, 1984

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

RE: Catch Basin Below Slurry Pipeline for Abatement of NOV #N84-2-13-1

Dear Tom:

Per your request in our telephone conversation of July 30, 1984, please find attached the following items regarding the subject basin:

EXHIBIT A: This exhibit has been revised to locate the cross sections referenced on Exhibit B. Also, note the scale change on the gabion detail. The 1" = 5' scale shown on the June 28, 1984 submittal was in error.

EXHIBIT B: This is a new exhibit showing basin cross sections which were surveyed on August 1, 1984. The capacity based on these sections is 0.57 AF (25,000 cu. ft.)

The steeper channels where the tires have been placed will be further stabilized by the addition of -8" +2" clean riprap. Some remedial work will be necessary in isolated locations as we discussed prior to placement of riprap. This will be done with a bulldozer as described in the March 14, 1984 submittal.

I will await your approval prior to any field modifications in the area.

Sincerely,

Barbara A. Filas  
Plant Engineer

cc: B. L. Kirkwood (USSMC)  
V. R. Watts (USSMC)  
L. King (USSMC)  
E. C. File  
S. Pruitt (DOGM)

1.1" RUN  
 7" RISE  $\frac{14"}{22"} = \frac{7}{11}$

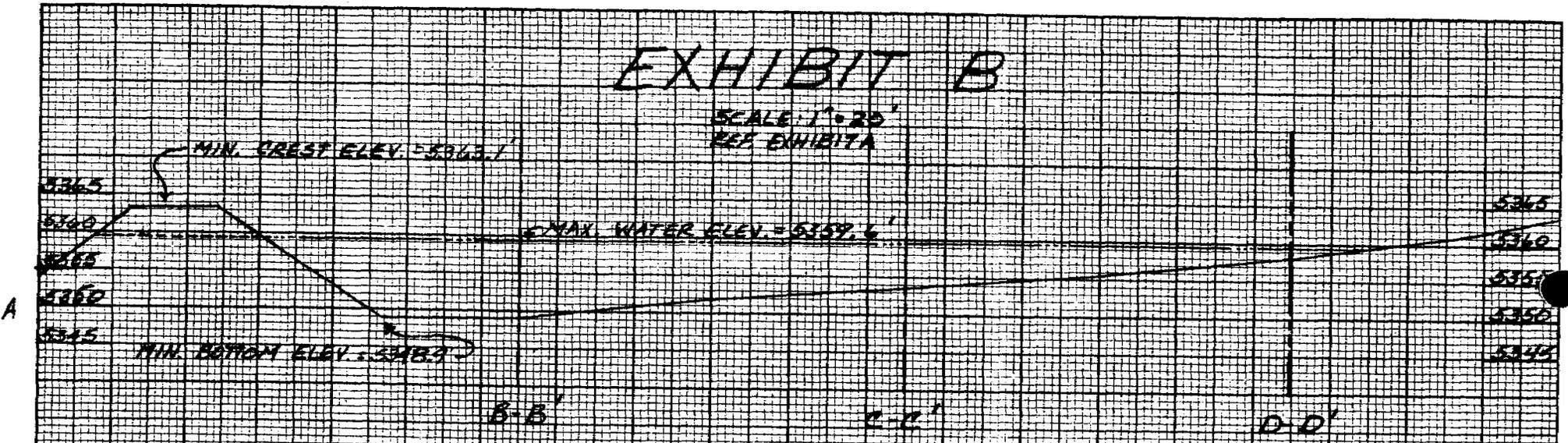
KEUFFEL & ESSER CO., N. Y. NO. 289-110  
 18 X 18 to the 1/2 inch. 5th lines accented.  
 EDGEVINE 7 X 10 in.  
 MADE IN U. S. A.

.55" = 11'  
 .75" = 15'

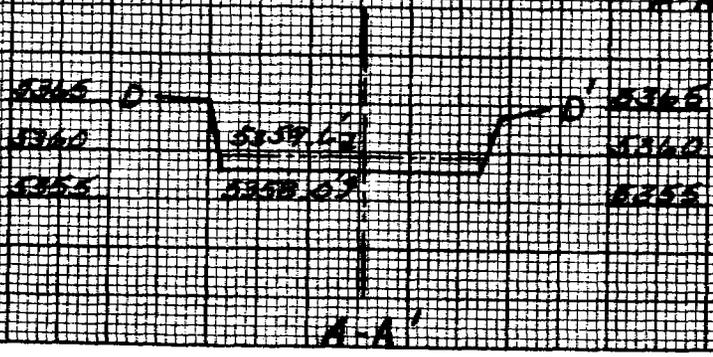
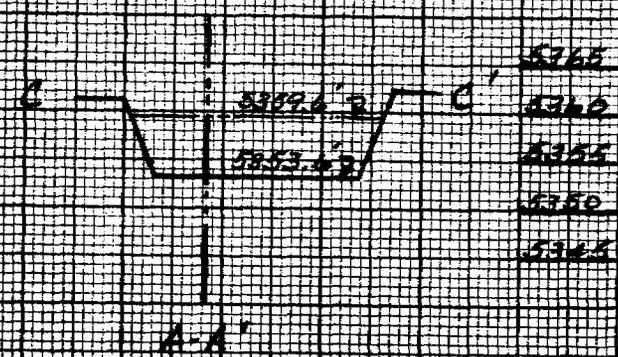
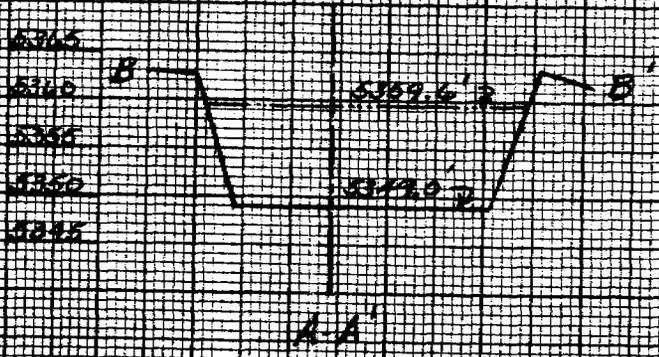
1/1.57

# EXHIBIT B

SCALE: 1" = 20'  
 SEE EXHIBIT A

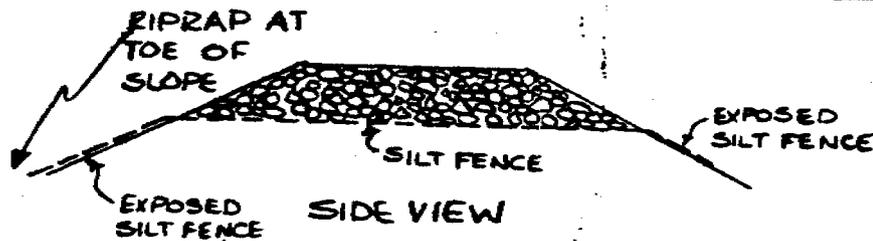


NOTE: MAX. WATER ELEV. 5359.6' IS AT ELEV. OF SILT FENCE UNDERLINER OF GABION



ONE 1/2/20

# EXHIBIT A



GABION OVERFLOW  
SCALE: 1" = 10'

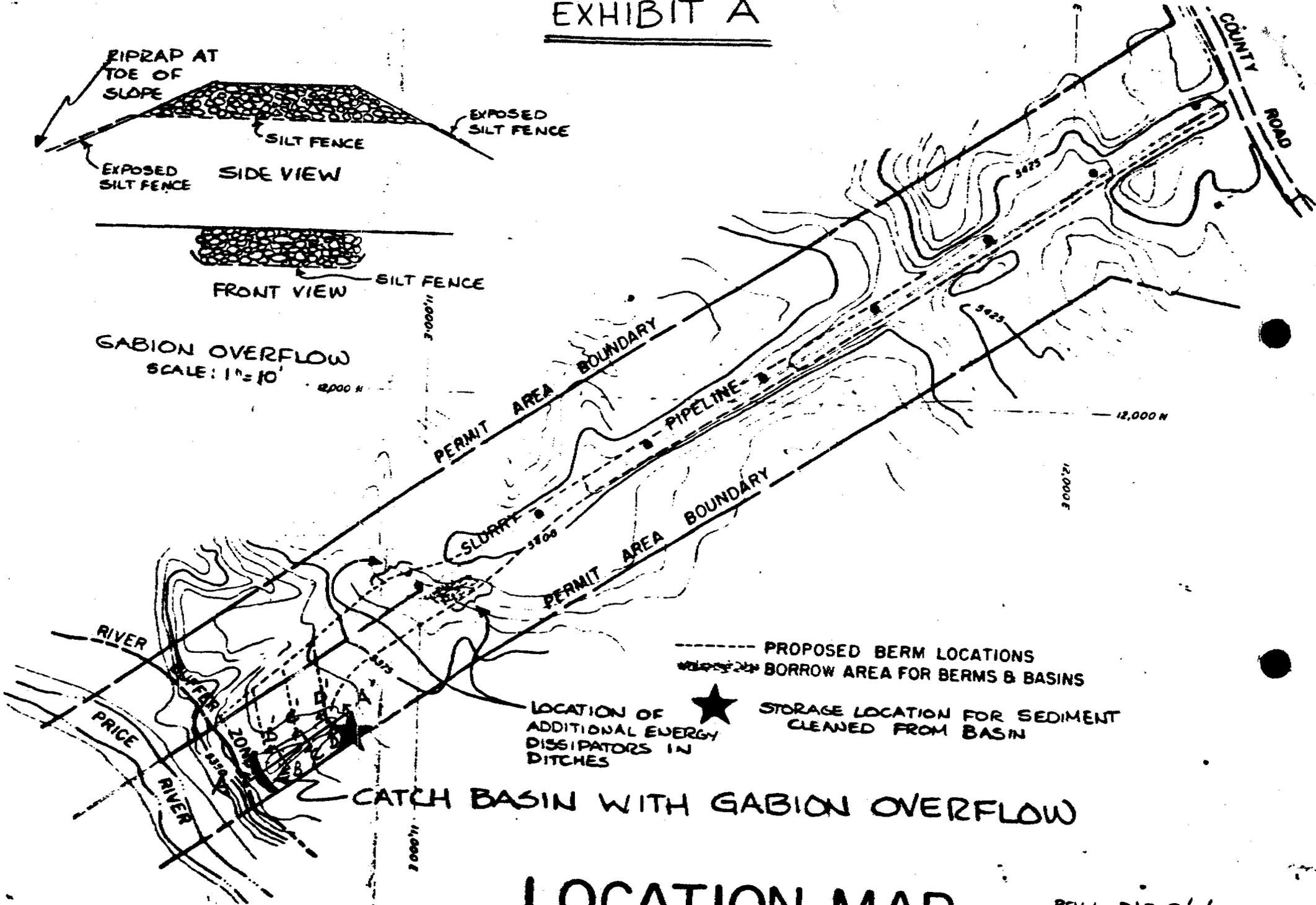
12,000 N

3,000' N

3,000' N

12,000 N

3,000' N



----- PROPOSED BERM LOCATIONS  
[Symbol] BORROW AREA FOR BERMS & BASINS

★ LOCATION OF  
ADDITIONAL ENERGY  
DISSIPATORS IN  
DITCHES

★ STORAGE LOCATION FOR SEDIMENT  
CLEANED FROM BASIN

CATCH BASIN WITH GABION OVERFLOW

## LOCATION MAP

SCALE: 1" = 200'

REF. DWG. F9-177, E9-3445, EXHIBIT B

REV. 1 - BAF. 8/2/84  
X-SECS; SCALE

August 2, 1984

TO: Coal File

FROM: Thomas Munson, Reclamation Hydrologist *TM*

RE: Review Based on Plans Submitted July 21, 1984 and a Site Visit July 18, 1984 Regarding NOV N84-2-13-1, Wellington Preparation Plant, ACT/007/012, #3 and #7, Carbon County, Utah

On July 18, 1984, Barbara Filas, representing U. S. Steel, Sandy Pruitt and Tom Munson, representing the Division of Oil, Gas and Mining (DOGM), visited the modified slurry line catch basin pertaining to violation NOV N84-2-13-1. The structure was built after the original approved plans for three gabion structures failed and a new plan was necessitated.

The operator implemented an alternate design to replace the three gabion structures and then submitted as-built plans regarding this new structure to the Division on July 2, 1984. On July 18, 1984, an on-site inspection of this structure pointed out some inconsistencies between the plans submitted and the actual on-site construction.

Extensive ditch work is associated with the routing of water into this structure and these ditches were also examined to ascertain their stability and function. Due to the erosive nature of the soil, the operator was asked to implement energy dissipation at critical portions of the ditches. The company was also directed to install riprap to prevent massive erosion from occurring.

After observing the as-built structures, it is the Division's opinion that the plans submitted (July 2, 1984) do not accurately depict what has been constructed on-site. The operator must submit an accurate figure showing the dimensions of the earthen catch basin and its associated dam with gabion spillway. This figure must also depict the inslope and outslope angles of this structure. In addition, the operator must address how they will stabilize the ditches in the area preferably by methods other than the use of loose tires. It is the Division's opinion that this method may not prove adequate based on the means by which the tires were placed in the ditch. The operator must attempt to stabilize the ditches in a fashion which will prevent excessive erosion. Using riprap to anchor the loose tires has been suggested by the operator. The Division will base its acceptance of this method upon an on-site inspection to be conducted within 15 days of installation. Please notify the Division when the stabilization work is complete.

Page Two  
Memorandum - Coal File - ACT/007/012  
August 2, 1984

The Division requires the submission of more accurate drawings of the catch basin and dam, as well as a written commitment (and plan) to improve the stability of the ditches based on ideas similar to those brought forth in this letter. The operator has seven days to provide an adequate response to this letter based upon the date of receipt.

btb  
cc: Joe Helfrich  
Sandy Pruitt  
94860-8 & 9