



PLAN
400 0 400 800 FEET
SCALE 1"=400'

TAILING STORAGE FACILITY CHARACTERISTICS	
SB-4 NON-PYRITIC FACILITY	
STORAGE CAPACITY	3,850,000 tons
DENSITY	70pcf
CREST ELEVATION	8380 ft.
MINIMUM BASIN ELEVATION	8270 ft.
CREST WIDTH	30 ft.
MAXIMUM EMBANKMENT HEIGHT	135 ft.
MAXIMUM BASIN CUT	75 ft.
EMBANKMENT FILL VOLUME	1,950,000 cubic yards
BASIN CUT VOLUME	1,801,000 cubic yards
LENGTH OF DIVERSION CHANNEL	2900 ft.
SB-4 PYRITIC FACILITY	
STORAGE CAPACITY	1,650,000 tons
DENSITY	85 pcf
CREST ELEVATION	8420 ft.
MINIMUM BASIN ELEVATION	8350 ft.
CREST WIDTH	30 ft.
MAXIMUM EMBANKMENT HEIGHT	80 ft.
MAXIMUM BASIN CUT	80 ft.
EMBANKMENT FILL VOLUME	799,000 cubic yards
BASIN CUT VOLUME	862,500 cubic yards
LENGTH OF DIVERSION CHANNEL	2400 ft.
LENGTH OF MAIN ACCESS ROADS	33,100 ft.
TOTAL DISTURBED WETLANDS AREA	31.91 ac.

NOTE: All characteristics reflect the ultimate facility layout

LEGEND:

- Channel/road centerline
- Daylight limit
- Drainage
- Existing ground
- Existing roads
- Watershed boundary
- Wetlands

NOTES:

- Topography and wetlands provided by Crown Butte Mines, Inc.
- The watershed boundary displays the divide between the Soda Butte and Fisher drainages.
- The proposed design lines as shown on the drawing are conceptual. Modification of these design lines would be required for final design.
- Both the pyritic and non-pyritic are recommended to be constructed in one stage.
- The length of main access roads includes access to the facility from U.S. 212.

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Knight Piesold and Co. CONSULTING ENGINEERS AND ENVIRONMENTAL SCIENTISTS			CLIENT
			CROWN BUTTE MINES, INC.
			PROJECT
			NEW WORLD
			TITLE
			EIS ALTERNATIVE SITING ANALYSIS ALTERNATIVE 4 (SB-4)
			DATE
			SCALE AS SHOWN
			DWG. NO. 1209A.260
			REV. B

B 3/6/95 CONCEPTUAL DESIGN				A 2/15/95 CONCEPTUAL DESIGN ISSUED FOR CLIENT REVIEW			
REV.	DATE	DESCRIPTION	APPROVED	REV.	DATE	DESCRIPTION	APPROVED
REVISIONS				REVISIONS			