



TAILING STORAGE FACILITY CHARACTERISTICS	
FC-1 COMBINED FACILITY	
STORAGE CAPACITY	5,500,000 tons
DENSITY	75pcf
CREST ELEVATION	9170 ft.
MINIMUM BASIN ELEVATION	9050 ft.
CREST WIDTH	30 ft.
MAXIMUM EMBANKMENT HEIGHT	140 ft.
EMBANKMENT FILL VOLUME	1,100,000 cubic yards
BASIN CUT VOLUME	587,400 cubic yards
LENGTH OF DIVERSION CHANNELS	11,650 ft.
LENGTH OF MAIN ACCESS ROADS	17,4000 ft.
TOTAL DISTURBED WETLANDS AREA	34.5 ac.

NOTE: All characteristics reflect ultimate facility layout.

LEGEND:

- Avalanche chute limits
- Channel/road \mathcal{C}
- Daylight limit
- Drainage
- Existing ground
- Wetlands

NOTES:

- Topography, wetlands and avalanche chute limits provided by Crown Butte Mines, Inc.
- The proposed design lines as shown on the drawing are conceptual. Modification of these design lines would be required for final design.
- The combined facility is recommended to be constructed in one stage.
- The length of main access roads includes access to the facility from U.S. 212.

No rights are granted to or created in user with respect to the technical information and know-how by which Knight Piesold and Co. produced the data shown on the drawing files contained herein. Any adaptation or modification of the data shown on the drawing files shall be at user's sole risk and without liability or legal exposure to Knight Piesold and Co.

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			

Knight Piesold and Co. CONSULTING ENGINEERS AND ENVIRONMENTAL SCIENTISTS		CLIENT	CROWN BUTTE MINES, INC.	
	DESIGNED	MGS/KLL	PROJECT	NEW WORLD
	DRAWN	MLT	TITLE	EIS ALTERNATIVE SITING ANALYSIS ALTERNATIVE 3 (FC-1 COMBINED)
	CHECKED			
	APPROVED			
DATE	SCALE	AS SHOWN	DWG. NO. 1209A.240	REV. B