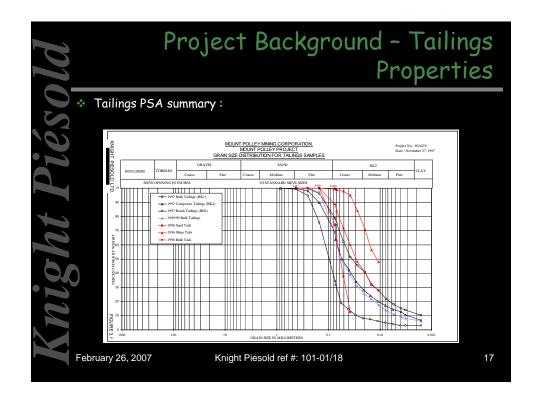
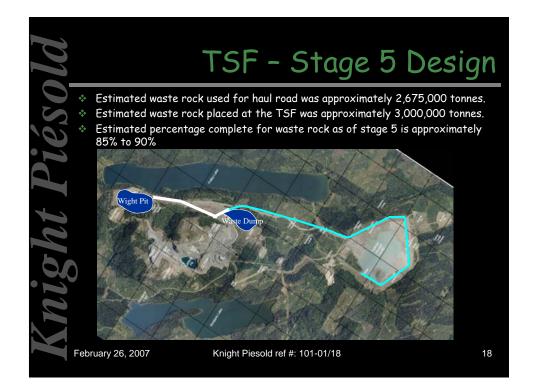
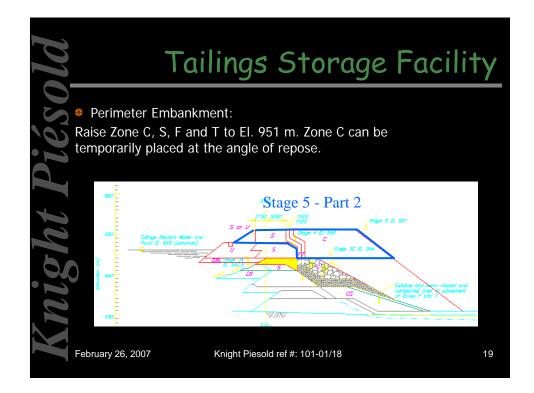
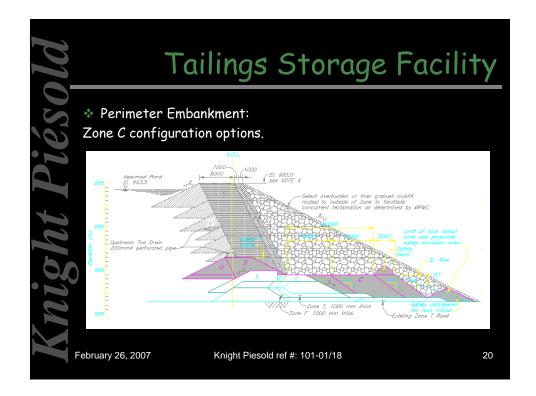


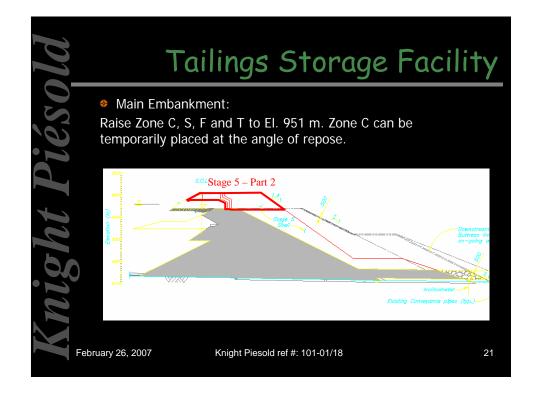
<i>ld</i>			Pro	ject l	Backg		- Tailing ropertie	
Piéso	• : • F • :	^p ercent Solid Sp In situ d	roughput solids: 2 ecific G ensity: 2	r: 20,000 25 - 30% ravity: 2.7 1.4 tonne, racteristic	/ m ³	· day		
ght		Sulphur (percent) 0.02	Paste pH 8.22	Acid Potential (kg CaCO ₃ /t) 0.6	Neutralization Potential (kg CaCO ₃ /t) 24.6	Net Neutralization Potential (kg CaCO ₃ /t) 24.0		
IUN					n Martel now occurri old ref #: 101-0			16

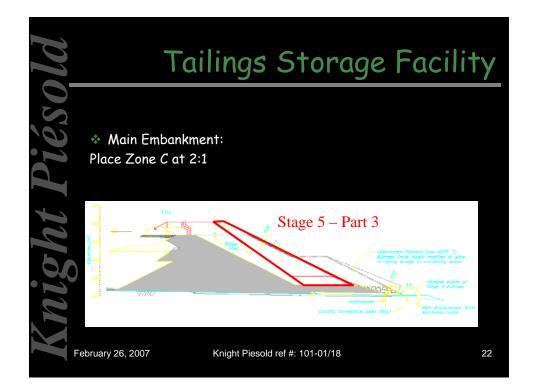


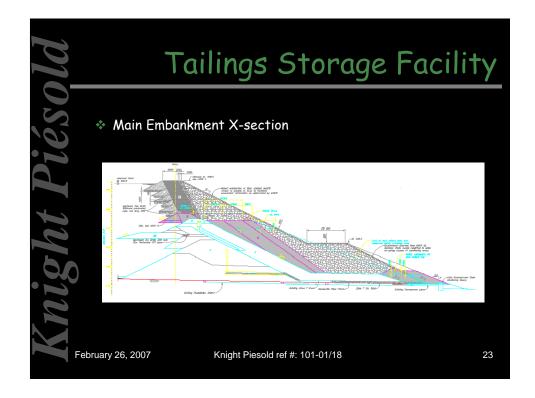


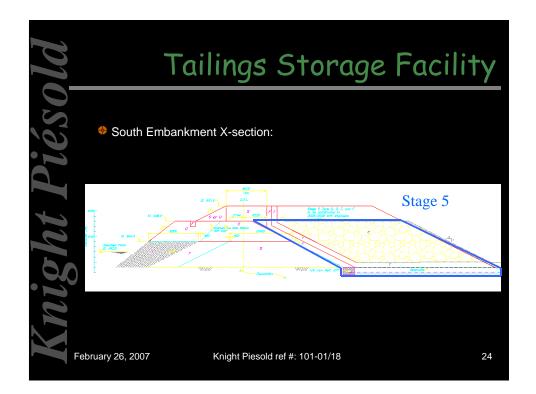


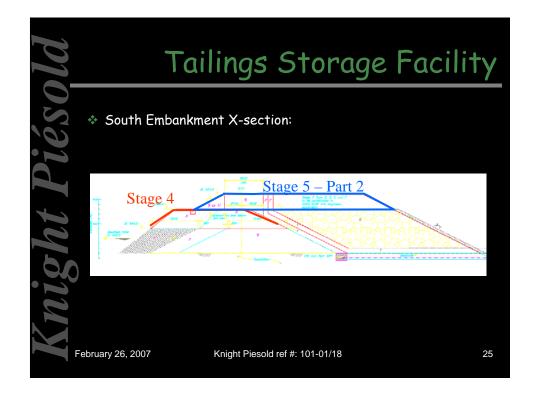


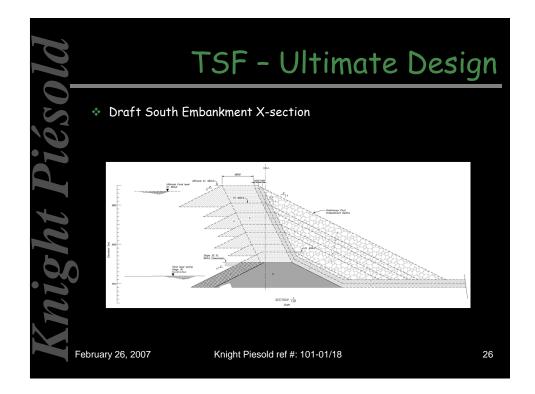












TSF - Surface Runoff Ditch

The existing runoff ditch is located on the upstream side of the access road. The lowest elevations are between 949 m and 950 m near the SE.

The proposed ditch will run along the new access road at an approximate elevation of 965 m. •





Knight Piesold ref #: 101-01/18

\mathbf{n}	TSF – Ultimate Desigr							
	Design Criteria							
	Design Operation Life	7 years						
ran 1	Hazard rating: During Operations After Closure	HIGH by CDA Consequence Classification HIGH by CDA Consequence Classification						
	Design Earthquakes: Operations DBE MDE After Closure MCE	1 in 475 year event (M = 6.5, A _{max} = 0.037 g) 50% of the 1 in 2000 year event or MCE (M = 6.5, A _{max} = 0.065 g 1 in 2000 year event 8 m						
71	Embankment Crest Width : (Final Width)							
	Design Tonnage	7,300,000 tpy (20,000 tpd)						
111S1	Freeboard: Operations/Closure	24 Hr; PMP event (679,000 m ³) + wave height → 0.40 m + 0.60 m = 1.00 m 72 Hr; PMP event (1,070,000 m ³) + wave height→ 0.63 m + 0.60 m = 1.23 m 24 Hr; PMF 1:10 yr; event (2,783,000 m ³) + wave height→ 1.63 m + 0.60 m = 2.43 m 72 Hr; PMF 1:10 yr; event (3,174,000 m ³) + wave height→ 1.87 m + 0.60 m = 2.47 m						
	Storage Capacity:	76,000,000 tonnes						

