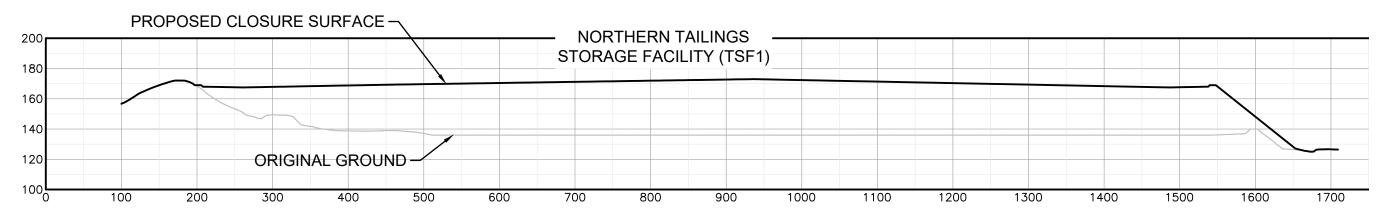


PRELIMINARY DESIGN Description

REVISIONS

CONSTRUCTION

REFERENCE



PROPOSED CLOSURE

TAILINGS STORAGE FACILITY 1 SECTION

TSF1 Runoff Volume by Bench

Bench | Footprint Area (ha) | Exposed Finished Area (ha) | Runoff Coeffiecent | 100 YR-Rainfall intesity (mm/hr) | Runoff by Bench (m³/s) | Total Runoff (m³/s)

0.33

41.06

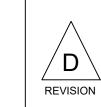
105C | SCALE: H:1:5000 V:1:2500

TSF1 Draindown Channel HEC-RAS Model Output									
Location	Flow Regime	Min. Channel El. (m)	W.S.E (m)	Channel Depth (m)	Freeboard (m)	Channel Velocity (m/s)			
Top of TSF1	100-Year Flow	167.75	168.41	0.66	0.59	1.63			
Beginning of Draindown Channel	100-Year Flow	167.63	168.19	0.56	0.69	2.03			
Entering Stilling Basin	100-Year Flow	123.07	123.84	0.77	0.48	1.32			
Stilling basin	100-Year Flow	122.32	123.89	1.57	-0.32	0.46			
Stilling basin	100-Year Flow	122.32	123.89	1.57	-0.32	0.46			
Exiting to Envoironment	100-Year Flow	123.07	123.77	0.7	0.55	1.5			

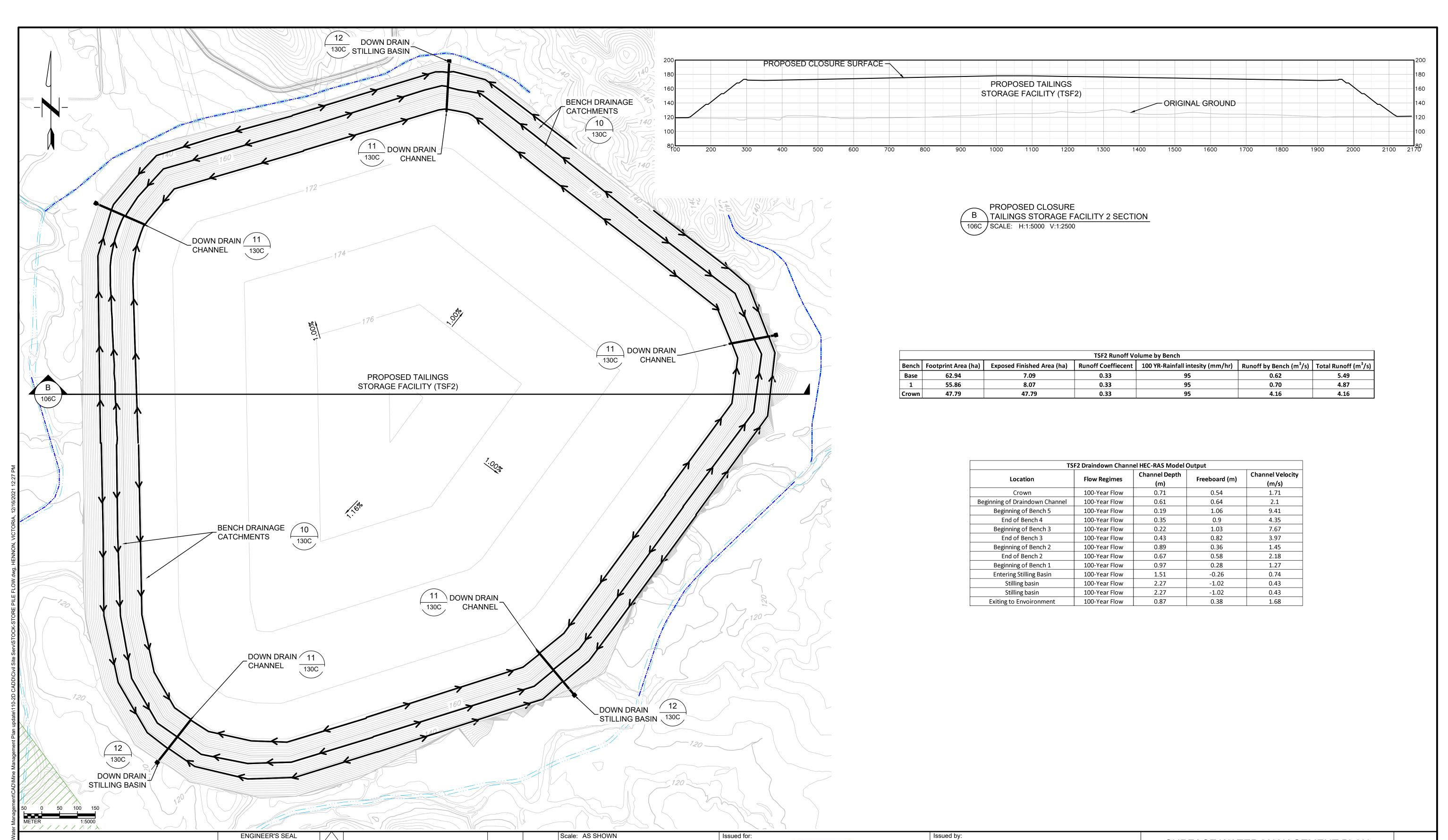




SURFACE WATER MANAGEMENT PLAN PROPOSED TAILINGS STORAGE FACILITY 1 DRAINAGE PLAN



Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN	,	ect no.: -01299-21007	4520-DC-105C
Location: NORTHERN TERRITORY, AUSTRALIA		Date: 12/16/2021	SHEET 6 OF 34



Designed by: CC

Checked by: VS

Approved by: VS

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11/03/2017

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Drawn by:

12/16/2021

PRELIMINARY

DRAWING

NOT ISSUED FOR

CONSTRUCTION

REFERENCE

Rev

2021 FEASIBILITY STUDY

ADDRESSED 08/2017 CLIENT COMMENTS

PRELIMINARY DESIGN ISSUED FOR REVIEW

PRELIMINARY DESIGN

Description

REVISIONS

TETRA TECH 350 Indiana Street, Suite 500 Golden, Colorado 80401 VISTA GOLD (303) 217-5700 (303) 217-5705 fax

SURFACE WATER MANAGEMENT PLAN PROPOSED TAILINGS STORAGE FACILITY 2 DRAINAGE PLAN



Project: 2021 MT TODD FEASIBILITY STUDY 200-01299-21007 DRAINAGE DESIGN Location:
NORTHERN TERRITORY, AUSTRALIA

4520-DC-106C SHEET 7 OF 34

