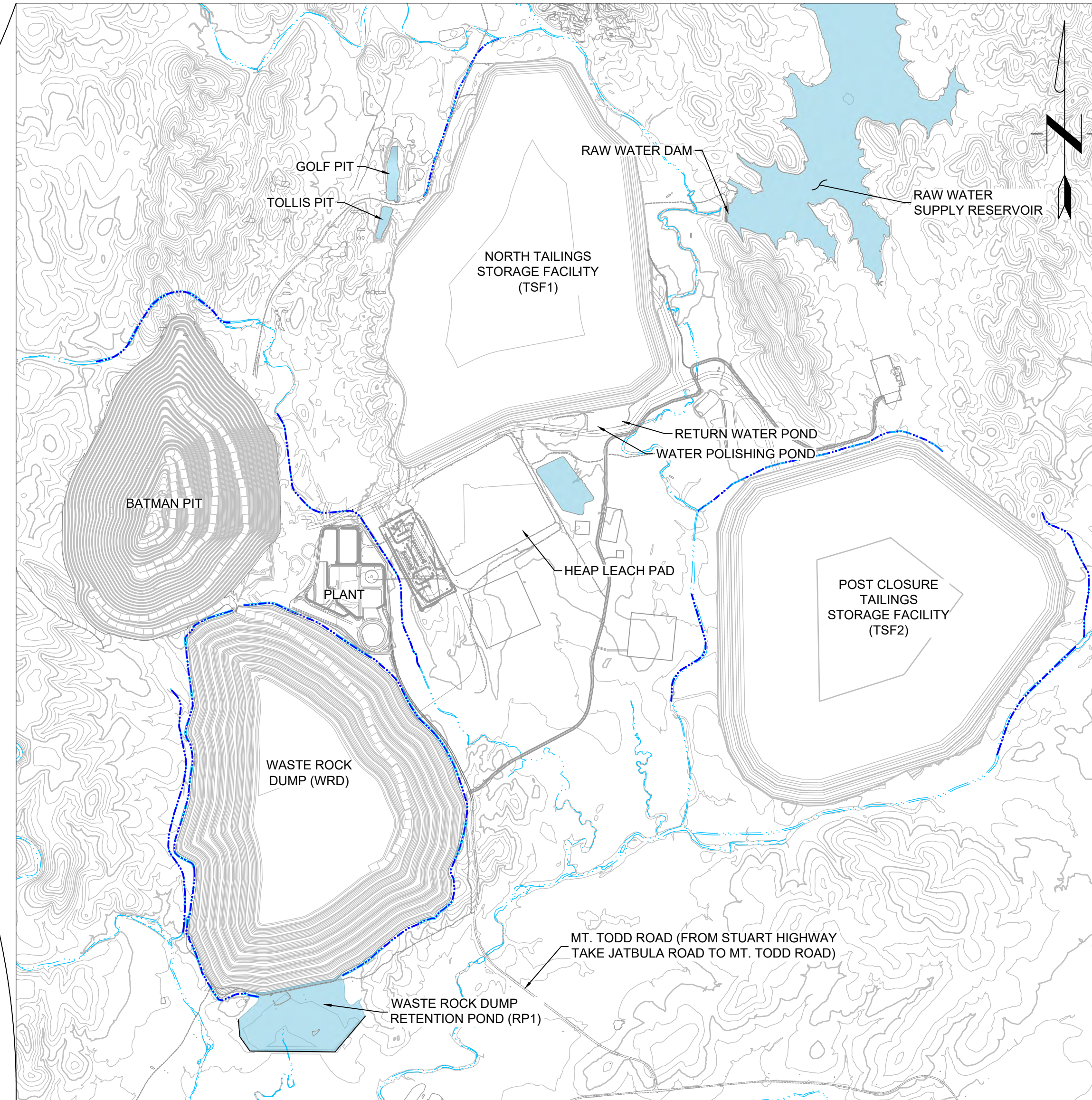


# MT TODD GOLD MINE SURFACE WATER MANAGEMENT PLAN NORTHERN TERRITORY, AUSTRALIA



**REGIONAL MAP**  
SCALE: NOT TO SCALE



**SITE LOCATION MAP & EXISTING MAJOR FACILITY ORIENTATION**  
SCALE: NOT TO SCALE

**GENERAL NOTES:**

UNLESS OTHERWISE INDICATED ON THE DRAWINGS, THE FOLLOWING GENERAL NOTES SHALL APPLY:

1. ALL DIMENSIONING, STATIONING AND SCALES ARE IN SI METRIC SYSTEM. STATIONING IS MEASURED HORIZONTALLY, NOT ALONG THE SLOPE.
2. EXISTING CONTOURS SHOWN ON THESE DRAWINGS REFLECT EXISTING (PRE-CONSTRUCTION) CONDITIONS UNLESS OTHERWISE NOTED.
3. DRAWINGS ARE PRELIMINARY ONLY AND ARE NOT TO BE USED FOR CONSTRUCTION.

DRAWING INDEX	
NUMBER	TITLE
4520-DC-100C	COVER SHEET
4520-DC-101C	PROPOSED GENERAL OPERATIONAL FACILITIES ARRANGEMENT
4520-DC-102C	PROPOSED CLOSURE FACILITIES ARRANGEMENT
4520-DC-103C	WASTE ROCK DUMP DRAINAGE PERIMETER CHANNELS PLAN
4520-DC-104C	PROPOSED SEDIMENT AND EROSION CONTROL PLAN
4520-DC-105C	PROPOSED TAILINGS STORAGE FACILITY 1 DRAINAGE PLAN
4520-DC-106C	PROPOSED TAILINGS STORAGE FACILITY 2 DRAINAGE PLAN
4520-DC-107C	PROPOSED WASTE ROCK DUMP DRAINAGE PLAN
4520-DC-108C	SURFACE WATER MANAGEMENT PLAN KEY MAP
4520-DC-109C	PROPOSED WESTERN WRD DIVERSION CHANNEL PLAN AND PROFILE STA 0+000 TO STA 0+600
4520-DC-110C	PROPOSED WESTERN WRD DIVERSION CHANNEL PLAN AND PROFILE STA 06+000 TO 1+200
4520-DC-111C	PROPOSED WESTERN WRD DIVERSION CHANNEL PLAN AND PROFILE STA 1+200 TO 1+550
4520-DC-112C	PROPOSED TSF1 DIVERSION CHANNEL PLAN AND PROFILE STA 1+950 TO 2+650
4520-DC-113C	PROPOSED TSF1 DIVERSION CHANNEL PLAN AND PROFILE STA 2+650 TO 2+947.51
4520-DC-114C	PROPOSED BATMAN CREEK RE-ALIGNMENT CHANNEL PLAN AND PROFILE STA 0+000 TO STA 0+650
4520-DC-115C	PROPOSED BATMANN CREEK RE-ALIGNMENT CHANNEL PLAN AND PROFILE STA 0+650 TO 1+300
4520-DC-116C	PROPOSED BATMAN CREEK RE-ALIGNMENT CHANNEL PLAN AND PROFILE STA 1+300 TO 2+050
4520-DC-117C	PROPOSED WESTERN TSF2 DIVERSION CHANNEL PLAN AND PROFILE STA 0+000 TO STA 0+600
4520-DC-118C	PROPOSED WESTERN TSF2 DIVERSION CHANNEL PLAN AND PROFILE STA 0+600 TO 1+200
4520-DC-119C	PROPOSED WESTERN TSF2 DIVERSION CHANNEL PLAN AND PROFILE STA 1+200 TO 1+520
4520-DC-120C	PROPOSED EASTERN TSF2 RE-ALIGNMENT CHANNEL PLAN AND PROFILE STA 0+000 TO 0+600
4520-DC-121C	PROPOSED EASTERN TSF2 RE-ALIGNMENT CHANNEL PLAN AND PROFILE STA 0+600 TO 0+900
4520-DC-122C	PROPOSED NORTH BATMAN CREEK CHANNEL PLAN AND PROFILE STA 0+00 TO 5+00
4520-DC-123C	PROPOSED NORTH BATMAN CREEK CHANNEL PLAN AND PROFILE STA 5+00 TO 10+64
4520-DC-124C	PROPOSED STOW CREEK CHANNEL PLAN AND PROFILE STA 0+00 TO 5+00
4520-DC-125C	PROPOSED STOW CREEK CHANNEL PLAN AND PROFILE STA 5+00 TO 7+56
4520-DC-126C	PROPOSED HORSESHOE CREEK CHANNEL PLAN AND PROFILE STA 0+00 TO 6+90
4520-DC-127C	PROPOSED PROCESS WATER POND PLAN AND PROFILE
4520-DC-128C	PROPOSED TYPICAL CHANNEL DETAILS
4520-DC-129C	PROPOSED TYPICAL LGOS DRAINAGE DETAILS
4520-DC-130C	PROPOSED DRAINAGE AND COFFER DAM DETAILS
4520-DC-131C	PROPOSED CHECK DAM DETAILS
4520-DC-132C	PROCESS PLANT AND OPERATIONS AREA ARRANGEMENT
4520-DC-133C	DRAINAGE PLAN
EXHIBIT 1	PROCESS FACILITIES FLOW DIAGRAMS

**GENERAL LEGEND:**

	EXISTING CONTOURS
	PROPOSED CONTOURS
	EXISTING ROADS
	EXISTING DRAINAGE
	EXISTING PIPE
	EXISTING PLANT FACILITIES
	GEOTEXTILE
	PROPOSED PIPE
	PROPOSED DRAIN PIPE
	PROPOSED CHECK DAM

# SECTION LETTER  
100C LOCATION OF SECTION

CROSS-SECTION CALL-OUT

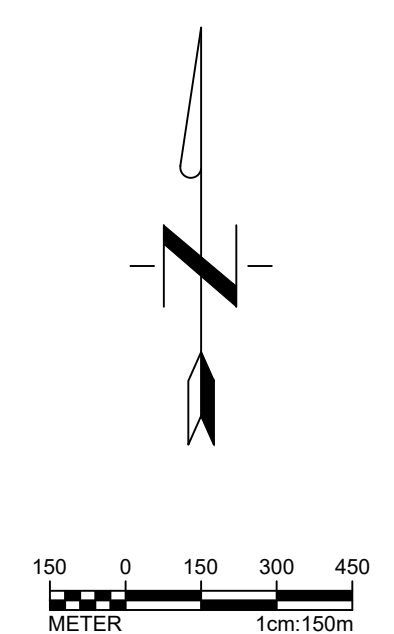
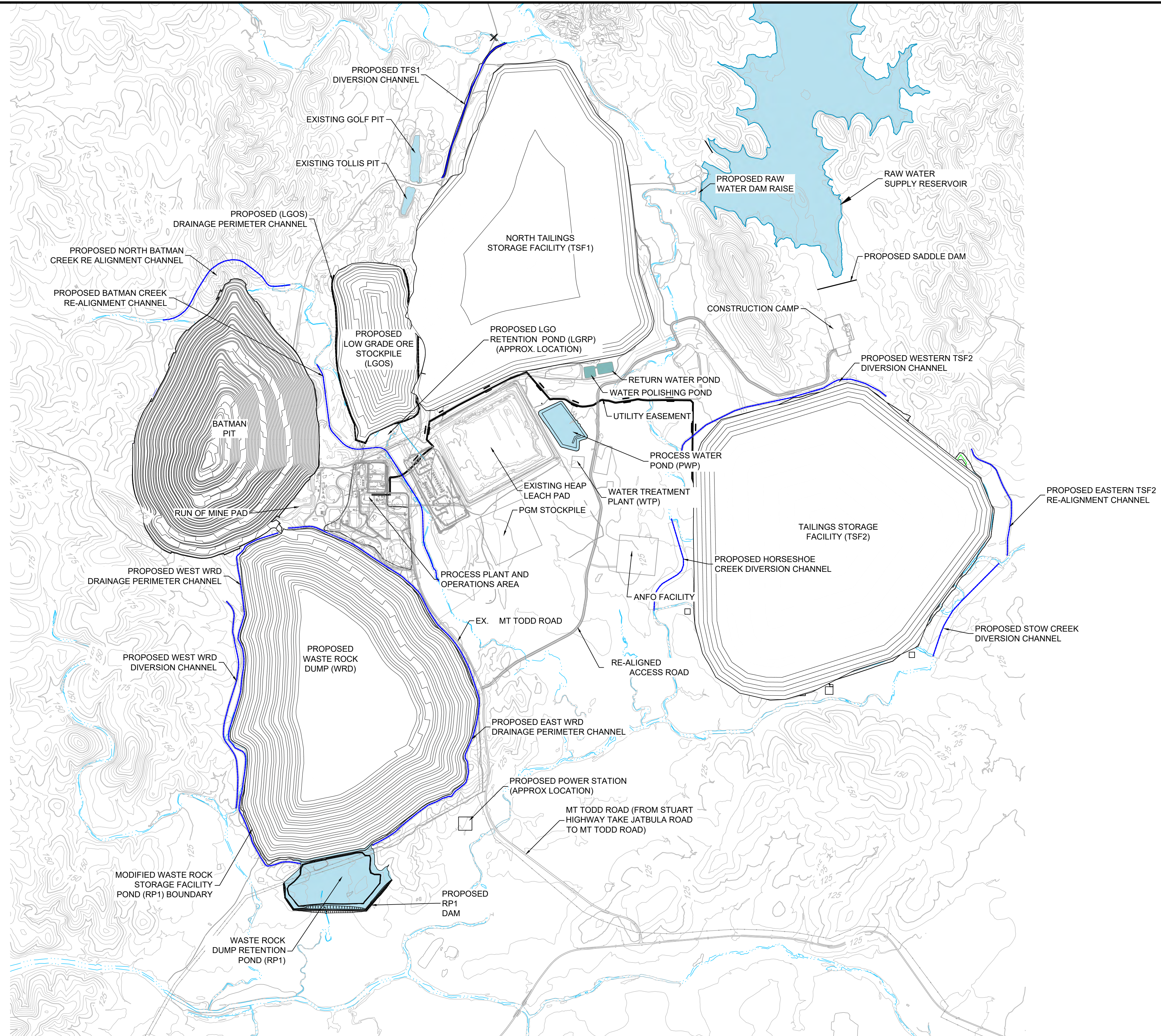
## DETAIL NUMBER  
100C LOCATION OF DETAIL

DETAIL CALL-OUT

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	<p>ENGINEER'S SEAL</p> <p style="text-align: center; border: 1px solid black; padding: 5px;"><b>PRELIMINARY DRAWING</b></p> <p style="text-align: center; border: 1px solid black; padding: 5px;">NOT ISSUED FOR CONSTRUCTION</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Rev</th> <th>Description</th> <th>BY</th> <th>Date</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	Rev	Description	BY	Date																					<p>Scale: AS SHOWN</p> <p>Designed by: CC                  Drawn by: VH                  Checked by: VS                  Approved by: VS</p> <p style="font-size: x-small;">THE CONTENT OF THIS DOCUMENT IS NOT INTENDED FOR THE USE OF, NOR IS IT INTENDED TO BE RELIED UPON BY ANY PERSON, FIRM OR CORPORATION OTHER THAN THE CLIENT AND TETRA TECH. TETRA TECH DENIES ANY LIABILITY WHATSOEVER TO OTHER PARTIES FOR DAMAGES OR INJURY SUFFERED BY SUCH THIRD PARTY ARISING FROM THE USE OF THIS DOCUMENT BY THEM, WITHOUT THE EXPRESSED WRITTEN AUTHORITY OF TETRA TECH AND OUR CLIENT. THIS DOCUMENT IS SUBJECT TO FURTHER RESTRICTIONS IMPOSED BY THE CONTRACT BETWEEN THE CLIENT AND TETRA TECH AND THESE PARTIES PERMISSION MUST BE SOUGHT REGARDING THIS DOCUMENT IN ALL OTHER CIRCUMSTANCES.</p>	<p>Issued for:</p> <div style="text-align: center;">   <b>VISTA GOLD</b> </div>	<p>Issued by:</p> <div style="text-align: center;">   <b>TETRA TECH</b> </div> <p style="font-size: x-small;">350 Indiana Street, Suite 500                  Golden, Colorado 80401                  (303) 217-5700 (303) 217-5705 fax</p>	<p><b>COVER SHEET</b></p>	<p><b>D</b> REVISION</p>
Rev	Description	BY	Date																												
REFERENCE		REVISIONS					Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN	Project no.: 200-01299-21007	<b>4520-DC-100C</b>  SHEET 1 OF 34																						

P:\02\2020\DC-101C\Site Water Management\CAD\Site Management Plan update\110-2D\CADD\Civil Site Serv\M2-02 GENERAL FACILITIES ARRANGEMENT.dwg - HENNON, VICTORIA - 12/16/2021 12:18 PM



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Rev	Description	BY	Date
△	2021 FEASIBILITY STUDY	VH	12/16/2021
△	ADDRESSED 08/2017 CLIENT COMMENTS	DF	11/03/2017
△	PRELIMINARY DESIGN ISSUED FOR REVIEW	JC	05/12/2017
△	PRELIMINARY DESIGN	CC	04/21/2017

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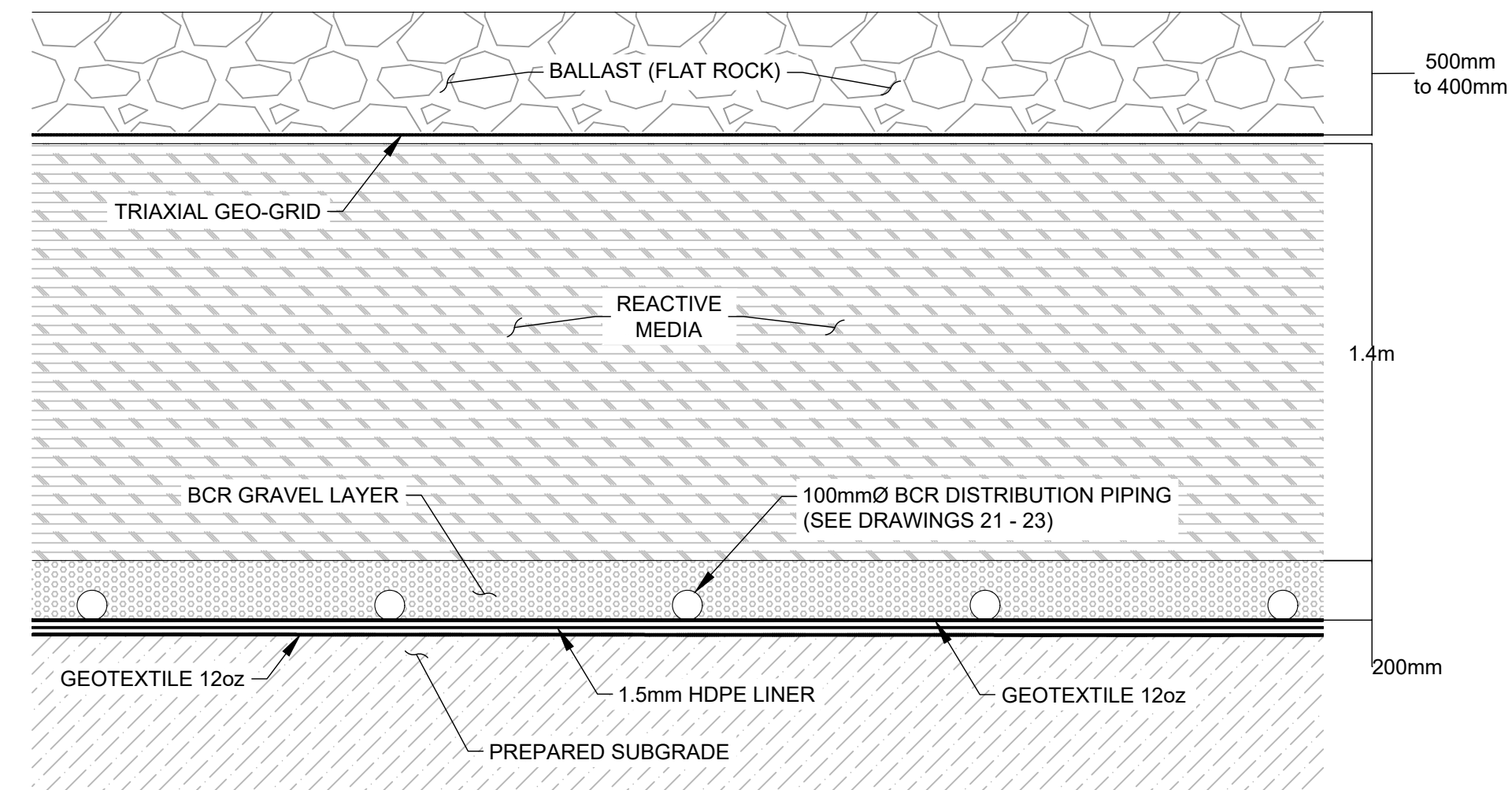
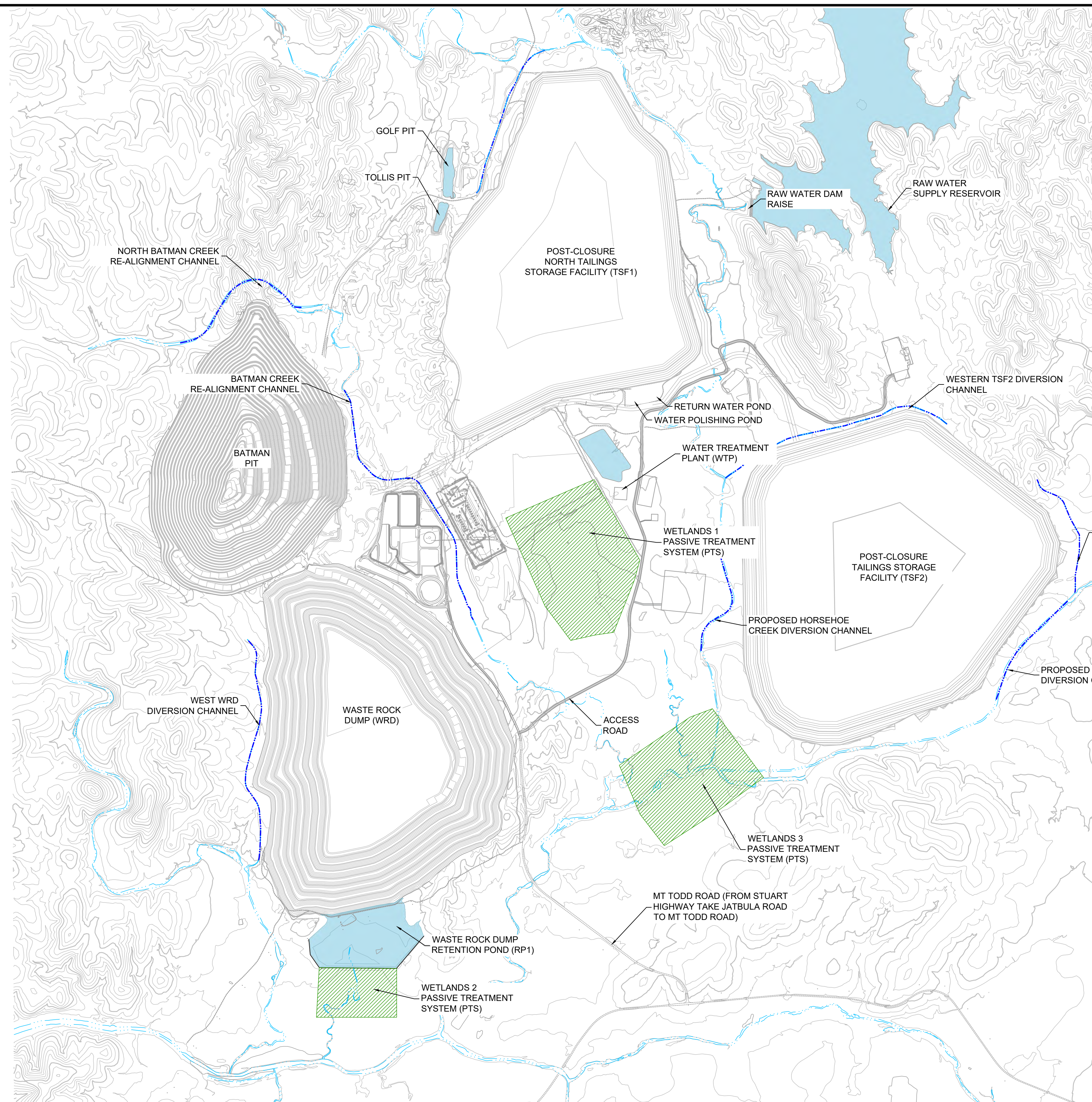
**SURFACE WATER MANAGEMENT PLAN  
 PROPOSED GENERAL  
 OPERATIONAL FACILITIES ARRANGEMENT**

Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN  
 Project no.: 200-01299-21007  
 Location: NORTHERN TERRITORY, AUSTRALIA  
 Date: 12/16/2021

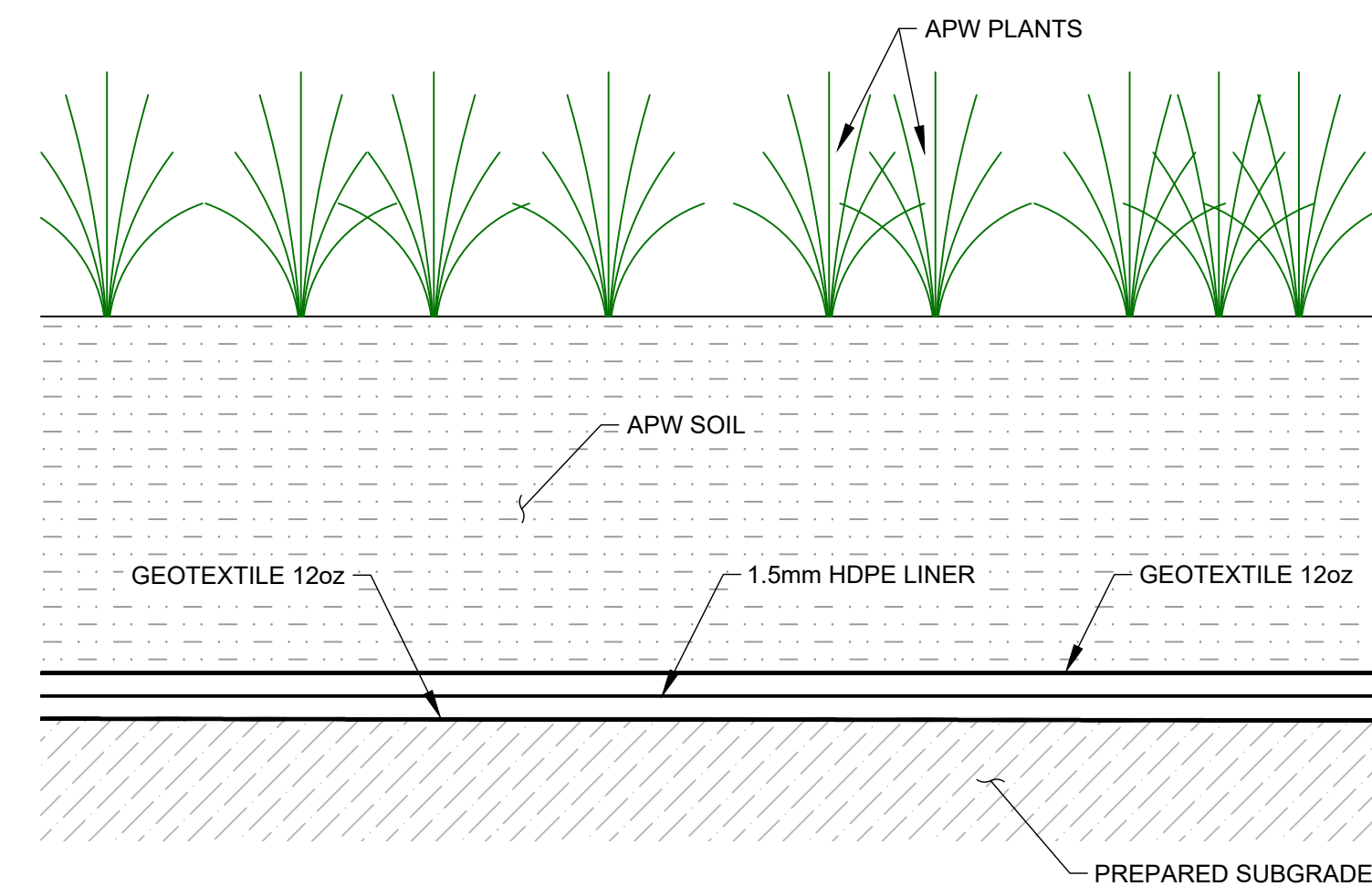
**4520-DC-101C**

SHEET 2 OF 34

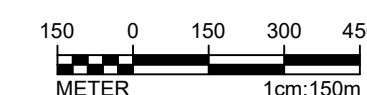
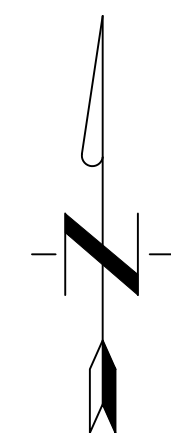
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1 TYPICAL BCR LINER DETAIL  
4520-DC-102C SCALE: N.T.S.



2 TYPICAL APW LINER DETAIL  
4520-DC-102C SCALE: N.T.S.



NOTE:  
WETLANDS ARE NOT TO SCALE AND MAY VARY SHAPE AND LOCATION.

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STORMWATER MANAGEMENT PLAN  
 PROPOSED CLOSURE  
 FACILITIES ARRANGEMENT

Project: 2021 MT TODD FEASIBILITY STUDY DRAINAGE DESIGN  
 Project no.: 200-01299-21007  
 Location: NORTHERN TERRITORY, AUSTRALIA  
 Date: 12/16/2021

4520-DC-102C  
 SHEET 3 OF 34