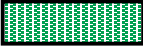





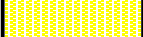




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- | | | | | | |
|---|----------------------------|---|----------------------|---|-----------------------------------|
|  | Mine Lease Exclusion Areas |  | Key Features |  | ROM Pad and Proposed Process Area |
|  | CML 7 - Mine Lease Area |  | Horwood Dam |  | Line of Lode Associations |
|  | Rehabilitated Areas |  | Communications Tower |  | Browns Shaft and Block 10 Lookout |



CLIENT		Broken Hill Operations Pty Ltd		PROJECT		Surface Water Management Plan	
DRAWN	MK	DATE	12-01-10	TITLE		MINE SITE AREA	
CHECKED	HR	DATE	12-01-10				
SCALE		1:15,000		PROJECT No	097626108	FIGURE No	1
				REV No	0	A3	

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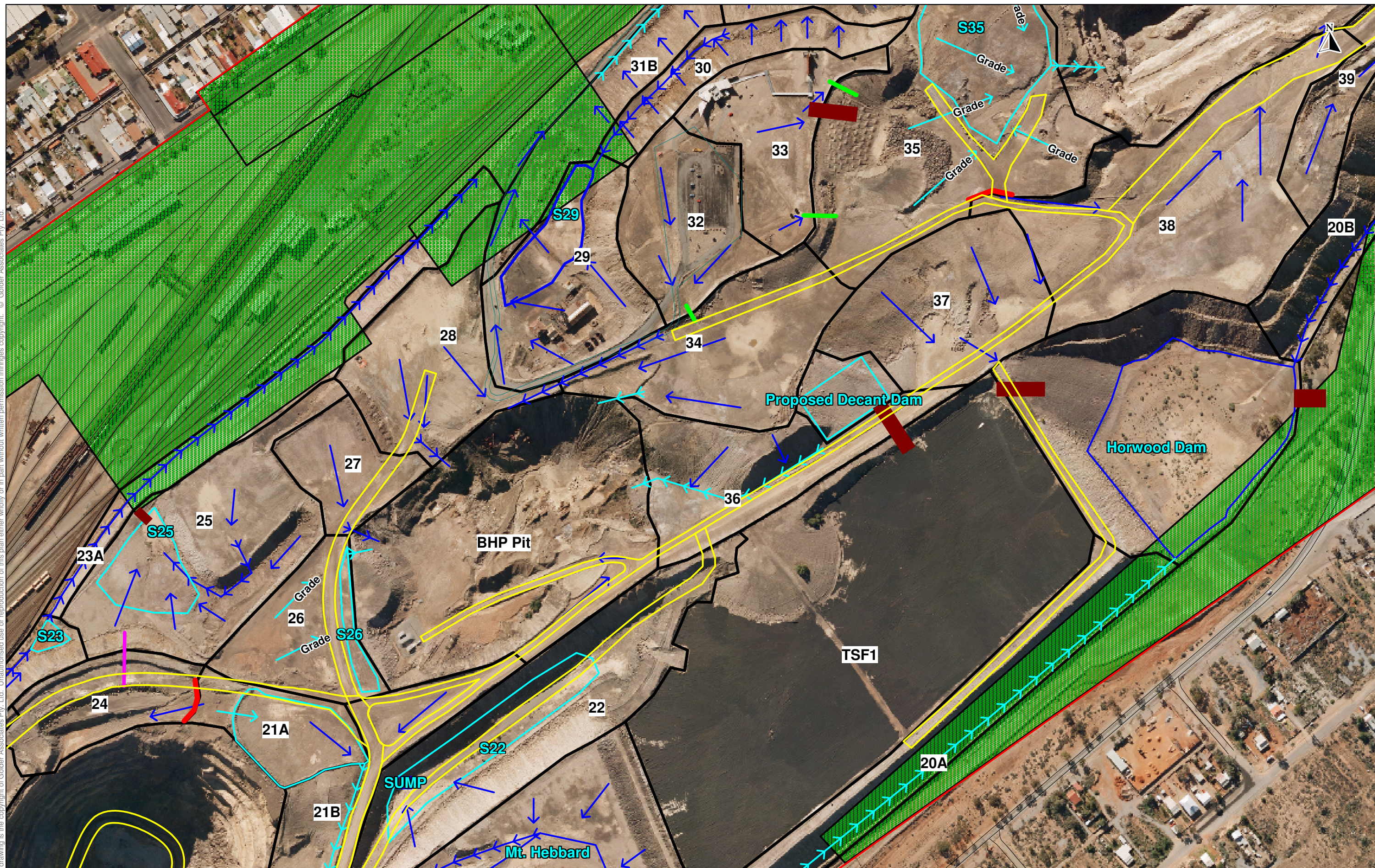


- | | | | |
|-------------------|-------------------|--------------------|----------------|
| Proposed Spillway | Existing Drainage | Catchment Boundary | Proposed Pond |
| Road | Proposed Drainage | Existing Pipe | Existing Pond |
| Flow Direction | Grading Direction | Proposed Pipe | Exclusion Area |
| Proposed Bund | | CML 7 Boundary | |



CLIENT Broken Hill Operations Pty Ltd		PROJECT Surface Water Management Plan	
DRAWN MK	DATE 12-01-10	TITLE PROPOSED WEST CENTRAL CATCHMENT AREAS	
CHECKED HR	DATE 12-01-10		
SCALE 1:4,000		PROJECT No 097626108	FIGURE No 3
		REV No 0	A3

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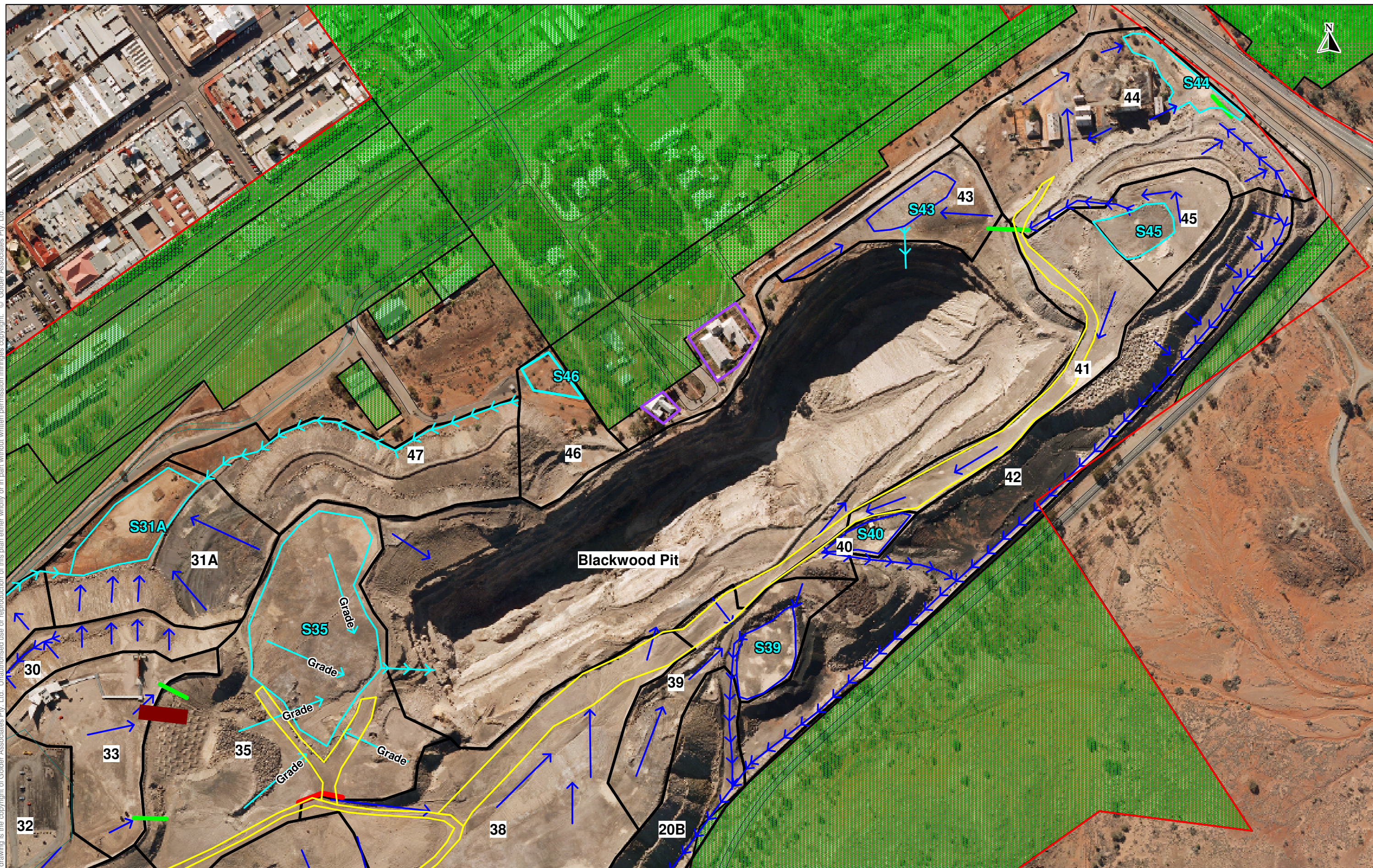


	Proposed Spillway		Existing Drainage		Catchment Boundary		Proposed Pond
	Road		Proposed Drainage		Existing Pipe		Existing Pond
	Flow Direction		Grading Direction		Proposed Pipe		Exclusion Area
	Proposed Bund				CML 7 Boundary		



CLIENT Broken Hill Operations Pty Ltd		PROJECT Surface Water Management Plan	
DRAWN MK	DATE 17-12-09	TITLE PROPOSED EAST CENTRAL CATCHMENT AREAS	
CHECKED HR	DATE 18-12-09		
SCALE 1:4,000		PROJECT No 097626108	FIGURE No 4
		REV No 0	A3

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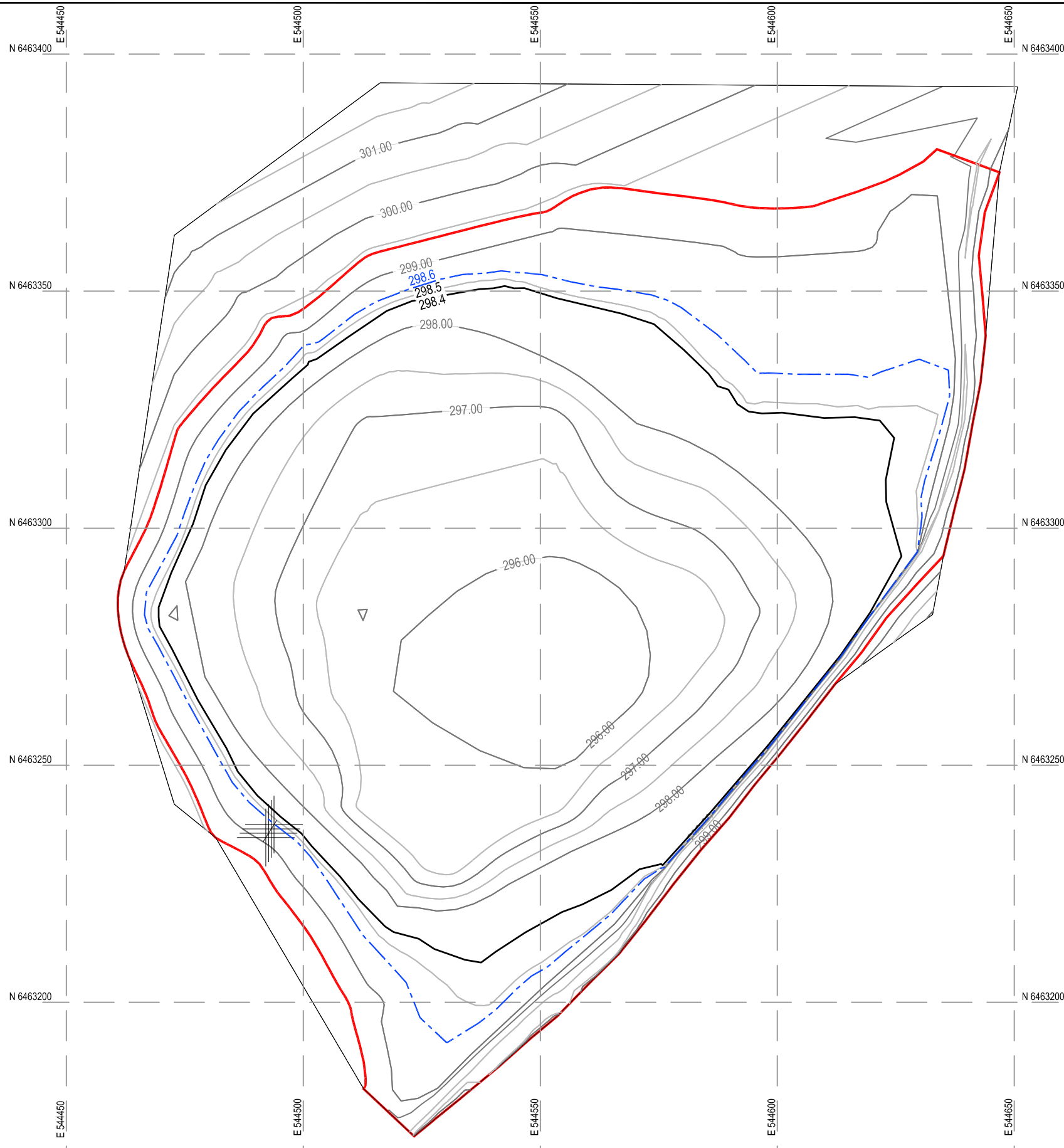


- | | | | |
|-------------------|--------------------------|--------------------|----------------|
| Proposed Spillway | Existing Drainage | Catchment Boundary | Proposed Pond |
| Road | Proposed Drainage | Existing Pipe | Existing Pond |
| Flow Direction | Grading Direction | Proposed Pipe | Exclusion Area |
| Proposed Bund | Line of Lode Association | CML 7 Boundary | |



CLIENT Broken Hill Operations Pty Ltd			PROJECT Surface Water Management Plan			
DRAWN MK	DATE 17-12-09	TITLE PROPOSED EAST CATCHMENT AREAS				
CHECKED HR	DATE 18-12-09					
SCALE 1:4,000		PROJECT No 097626108		FIGURE No 5	REV No 0	A3

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CALCULATED VOLUMES:

ALL SURFACE AND VOLUME CALCULATIONS ARE CREATED USING
AUTOCAD LAND DEVELOPMENT DESKTOP 2008

BASE SURFACE:
NS091125_Pond 1


COMPARISON SURFACE:
DS091125_RL 299-40

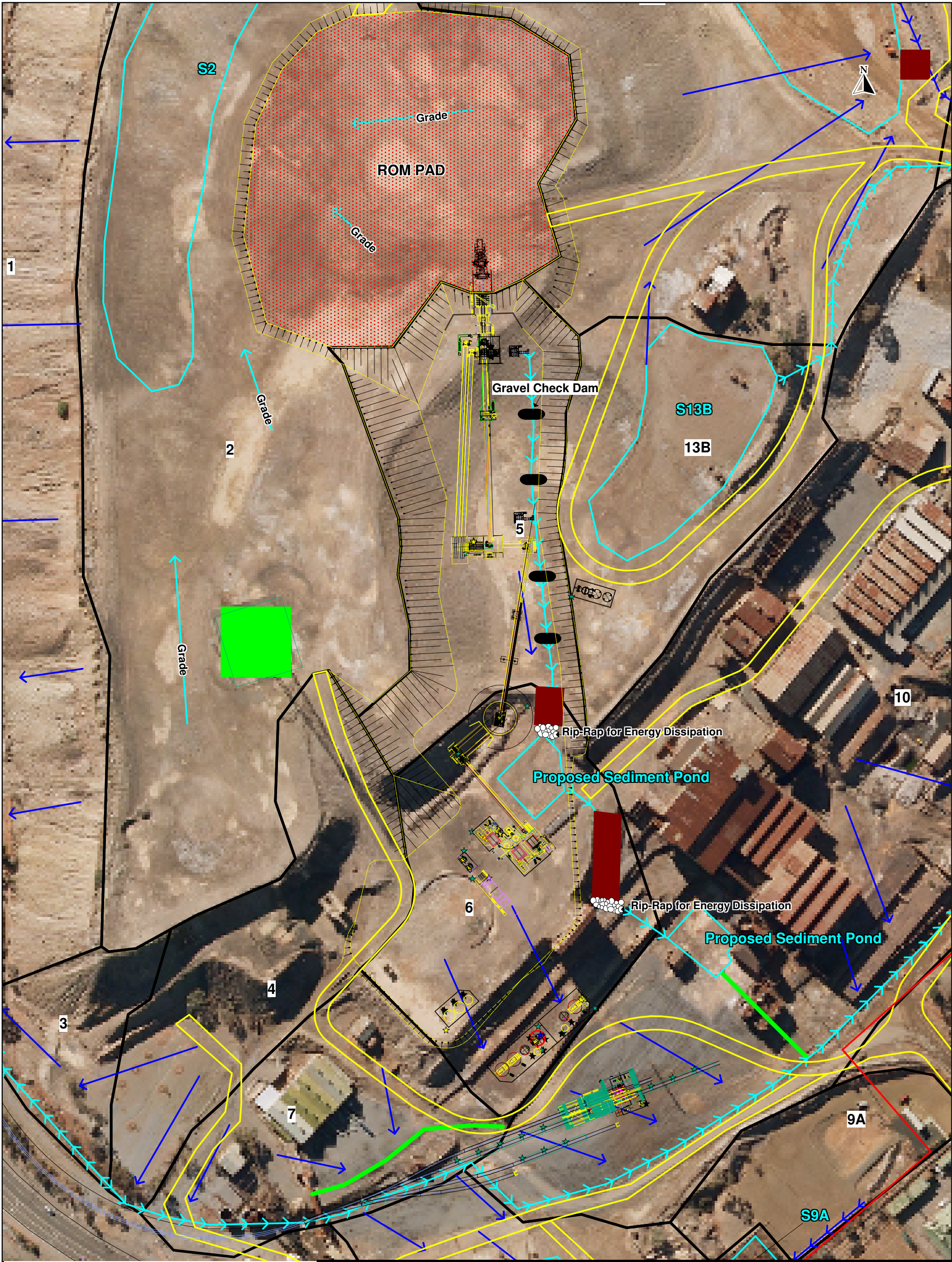
LEGEND:

- BUNDED AREA AT ELEVATION 299.4m (AHD)
- - - 100 YEAR RUNOFF EVENT CONTAINMENT ELEVATION

1:1,000



 www.golder.com GOLDER ASSOCIATES PTY LTD	CLIENT BROKEN HILL OPERATIONS PTY LTD	PROJECT SURFACE WATER MANAGEMENT PLAN							
	DRAWN BY HC	DATE 27.11.2009	DRAWING TITLE EXISTING VOLUME OF HORWOOD DAM						
	CHECKED BY MK	DATE 21.01.2010							
SCALE 1:1000		SHEET SIZE A3	PROJECT No 097626108	DOC No 003	DOC TYPE R	FIGURE No F0001	REVISION 0	FIGURE 6	



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	Proposed Spillway		Proposed Pond
	Existing Pipe		Catchment Boundary
	Road		Proposed Drainage
	CML 7 Boundary		Existing Drainage

CLIENT	Broken Hill Operations Pty Ltd
DRAWN	MK
DATE	12-01-10
CHECKED	HR
DATE	12-01-10
SCALE	1:1,250

PROJECT	Stormwater Management Plan			
TITLE	PROPOSED EROSION AND SEDIMENT CONTROL			
PROJECT No	097626108	FIGURE No	7	REV No
			0	A3