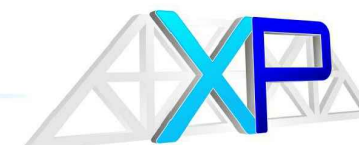


***BALD HILL QUARRY EXPANSION
MURRAYS CROSSING ROAD
TUMBARUMBA, NSW 2653
REF: 210864
FOR: BALD HILL QUARRY PTY LTD***

GENERAL REVISION

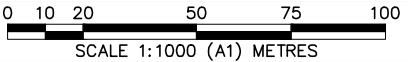
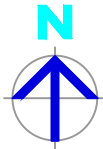
CIVIL DRAWINGS

DRAWING INDEX	
PROJECT No.: 210864	REVISION No.: C
SHEET C1	DISTURBED AREA PLAN
SHEET C2	STAGE-1 PLAN: 3-5 YEARS
SHEET C3	STAGE-1 SECTION: 3-5 YEARS
SHEET C4	STAGE-2 PLAN: 7-12 YEARS
SHEET C5	STAGE-2 SECTION: 7-12 YEARS
SHEET C6	STAGE-3 PLAN: 15-20 YEARS
SHEET C7	STAGE-3 SECTION: 15-20 YEARS
SHEET C8	SIMPLIFIED STAGE SECTIONS 1/2
SHEET C9	SIMPLIFIED STAGE SECTIONS 2/2
SHEET C10	CONCEPT REHABILITATION PLAN
SHEET C11	TYPICAL SECTIONS





LEGEND	
MARK	ITEM
	PROPOSED DISTURBED AREA
	EXISTING DISTURBED AREA
	AREA OF AUXILLIARY ACTIVITY
	BOREHOLES
	EXISTING CREEK BED
	SITE ACCESS TRACK
	EXISTING FENCE LINE
	EXISTING MAJOR CONTOURS AT 5.0m INCREMENTS
	EXISTING MINOR CONTOURS AT 1.0m INCREMENTS
	EXISTING BOUNDARY LINE



C	15.07.2022	GENERAL REVISION	A.X
B	14.07.2022	GENERAL REVISION	A.X
A	8.07.2022	ISSUED FOR COUNCIL APPROVAL	A.X
P5	30.06.2022	ISSUED FOR PRELIMINARY REVIEW	A.X
No.	DATE	DETAILS	BY

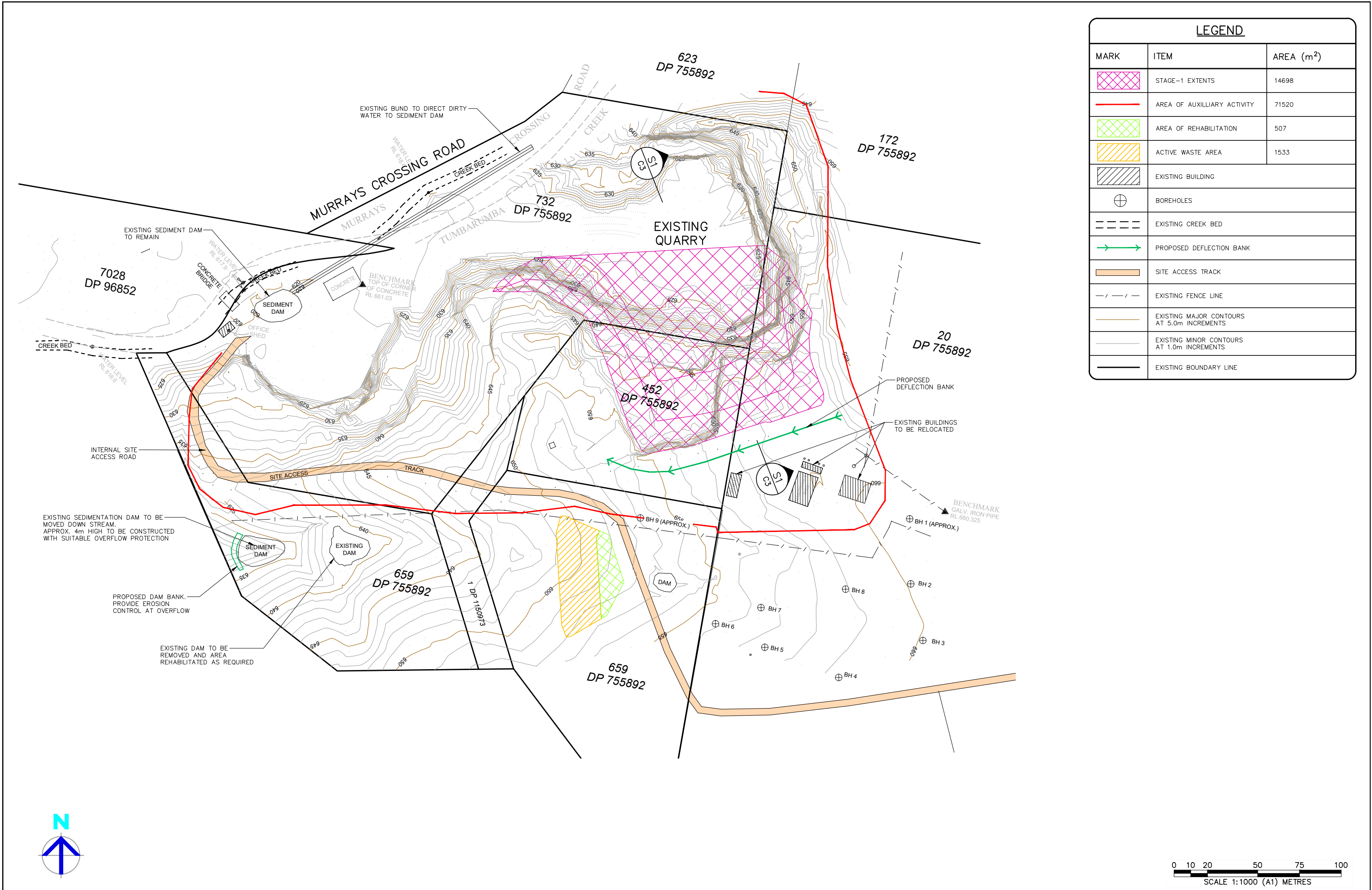


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Project:
BALD HILL QUARRY EXPANSION
LOT 20,172,452 & 732, DP755892
MURRAYS CROSSING RD
TUMBARUMBA NSW 2653

Sheet Title: DISTURBED AREA PLAN		
Client: BALD HILL QUARRY PTY LTD	Checked: A.X	
Scale: 1:1000 (A1) 1:2000 (A3)	Approved:	
Design: A.X	Drawn: N.T	Date: MAR 2021

Project Number: 210864		
Sheet Number: C1	Revision Number: C	Sheets in Set: 11



LEGEND		
MARK	ITEM	AREA (m ²)
	STAGE-1 EXTENTS	14698
	AREA OF AUXILIARY ACTIVITY	71520
	AREA OF REHABILITATION	507
	ACTIVE WASTE AREA	1533
	EXISTING BUILDING	
	BOREHOLES	
	EXISTING CREEK BED	
	PROPOSED DEFLECTION BANK	
	SITE ACCESS TRACK	
	EXISTING FENCE LINE	
	EXISTING MAJOR CONTOURS AT 5.0m INCREMENTS	
	EXISTING MINOR CONTOURS AT 1.0m INCREMENTS	
	EXISTING BOUNDARY LINE	

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No.	DATE	DETAILS	BY

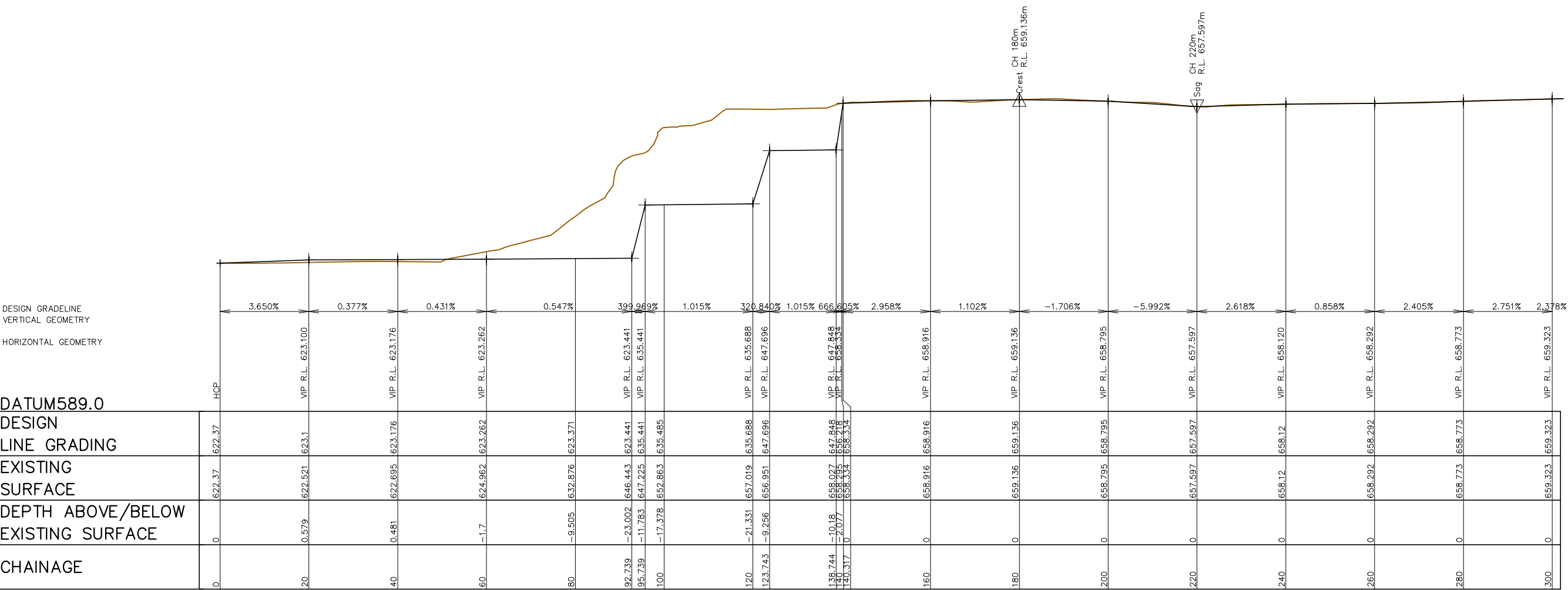
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Project: **BALD HILL QUARRY EXPANSION**
LOT 20,172,452 & 732, DP755892
MURRAYS CROSSING RD
TUMBARUMBA NSW 2653

Sheet Title: STAGE-1 PLAN: 3-5 YEARS		Project Number: 210864	
Client: BALD HILL QUARRY PTY LTD		Checked: A.X	
Scale: 1:1000 (A1) 1:2000 (A3)		Approved:	
Design: A.X	Drawn: N.T	Date: MAR 2021	

Sheet Number: C2	Revision Number: C	Sheets in Set: 11
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LONGITUDINAL SECTION – Stage 1 Profile

HORIZONTAL SCALE 1:500 (A1)
VERTICAL SCALE 1:500 (A1)

SECTION

S1

C2



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P5	30.06.2022	ISSUED FOR PRELIMINARY REVIEW	A.X
No.	DATE	DETAILS	BY



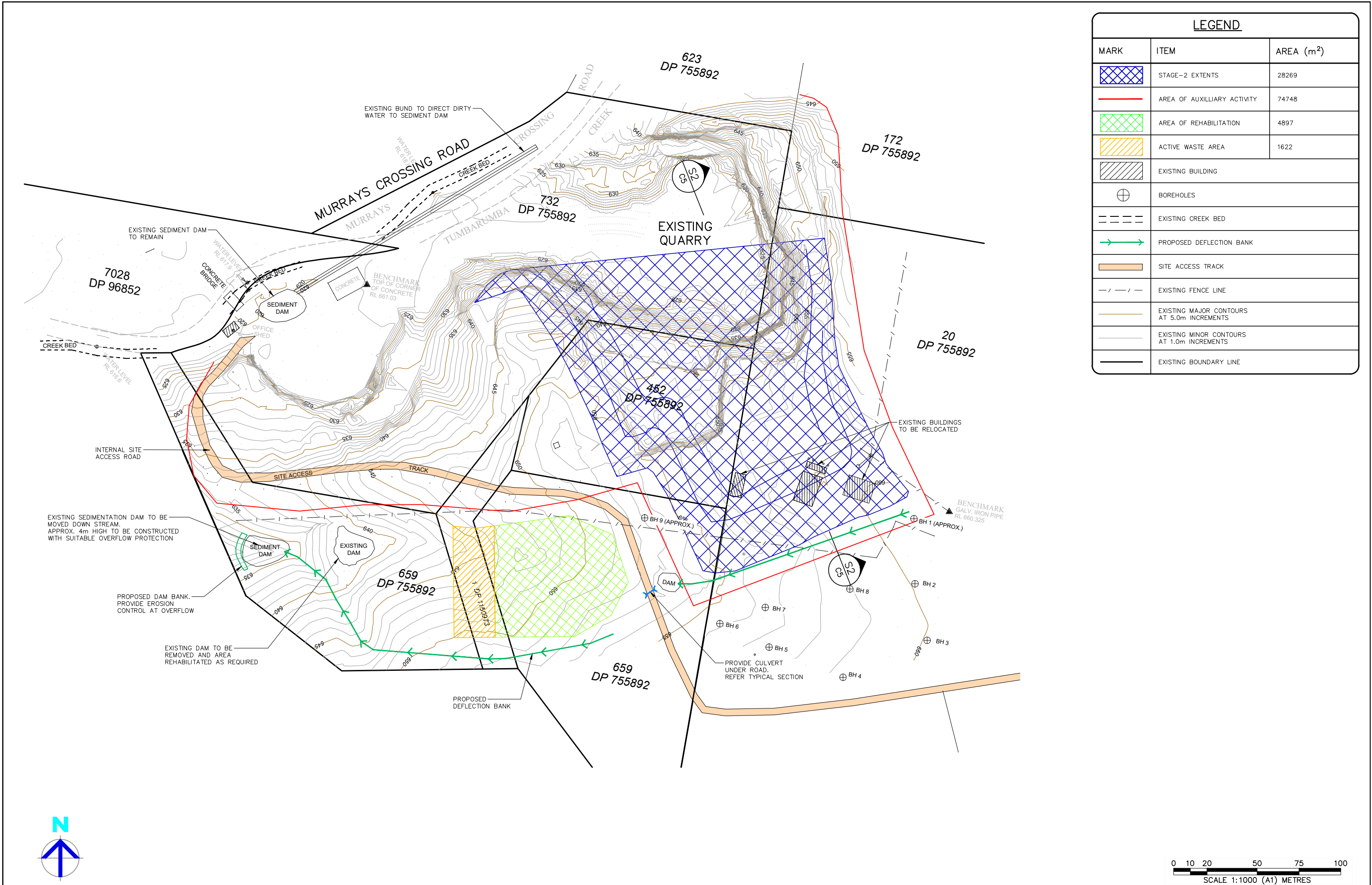
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Project:
BALD HILL QUARRY EXPANSION
LOT 20,172,452 & 732, DP755892
MURRAY'S CROSSING RD
TUMBARUMBA NSW 2653

Sheet Title: STAGE-1 SECTION: 3-5 YEARS		
Client: BALD HILL QUARRY PTY LTD	Checked: A.X	
Scale: AS SHOWN	Approved:	
Design: A.X	Drawn: N.T	Date: MAR 2021

Project Number: 210864		
Sheet Number: C3	Revision Number: C	Sheets in Set: 11



LEGEND		
MARK	ITEM	AREA (m ²)
	STAGE-2 EXTENTS	28269
	AREA OF AUXILLIARY ACTIVITY	74748
	AREA OF REHABILITATION	4897
	ACTIVE WASTE AREA	1622
	EXISTING BUILDING	
	BOREHOLES	
	EXISTING CREEK BED	
	PROPOSED DEFLECTION BANK	
	SITE ACCESS TRACK	
	EXISTING FENCE LINE	
	EXISTING MAJOR CONTOURS AT 5.0m INCREMENTS	
	EXISTING MINOR CONTOURS AT 1.0m INCREMENTS	
	EXISTING BOUNDARY LINE	



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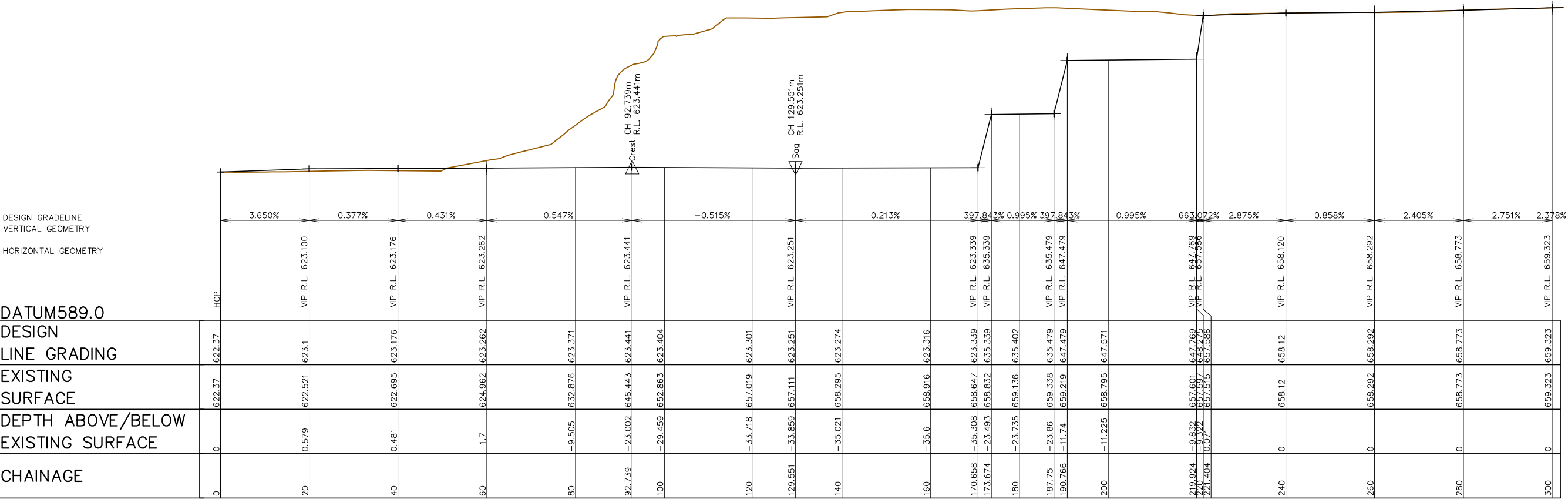
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Project: **BALD HILL QUARRY EXPANSION**
LOT 20,172,452 & 732, DP755892
MURRAYS CROSSING RD
TUMBARUMBA NSW 2653

Sheet Title: STAGE-2 PLAN: 7-12 YEARS		Project Number: 210864	
Client: BALD HILL QUARRY PTY LTD		Checked: A.X	
Scale: 1:1000 (A1) 1:2000 (A3)		Approved:	
Design: A.X	Drawn: N.T	Date: MAR 2021	

Sheet Number: C4	Revision Number: C	Sheets in Set: 11
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LONGITUDINAL SECTION – Stage 2 Profile

HORIZONTAL SCALE 1:500 (A1)
VERTICAL SCALE 1:500 (A1)

SECTION S2
C4



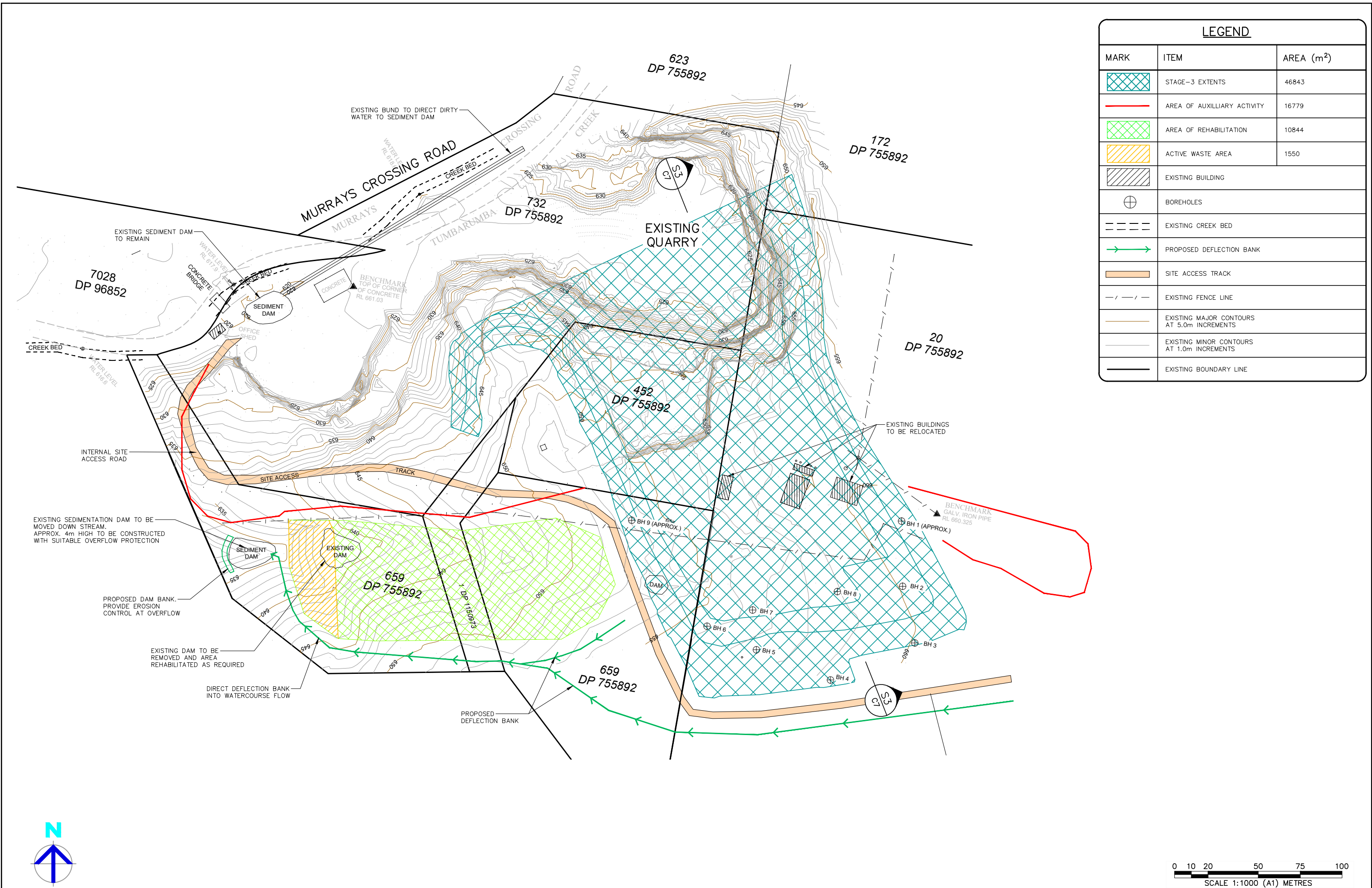
C	15.07.2022	GENERAL REVISION	A.X
B	14.07.2022	GENERAL REVISION	A.X
A	8.07.2022	ISSUED FOR COUNCIL APPROVAL	A.X
P5	30.06.2022	ISSUED FOR PRELIMINARY REVIEW	A.X
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Project:
BALD HILL QUARRY EXPANSION
LOT 20,172,452 & 732, DP755892
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TUMBARUMBA NSW 2653

Sheet Title: STAGE-2 SECTION: 7-12 YEARS			Project Number: 210864		
Client: BALD HILL QUARRY PTY LTD			Checked: A.X		
Scale: AS SHOWN			Approved:		
Design: A.X	Drawn: N.T	Date: MAR 2021	Sheet Number: C5	Revision Number: C	Sheets in Set: 11



LEGEND		
MARK	ITEM	AREA (m ²)
	STAGE-3 EXTENTS	46843
	AREA OF AUXILLIARY ACTIVITY	16779
	AREA OF REHABILITATION	10844
	ACTIVE WASTE AREA	1550
	EXISTING BUILDING	
	BOREHOLES	
	EXISTING CREEK BED	
	PROPOSED DEFLECTION BANK	
	SITE ACCESS TRACK	
	EXISTING FENCE LINE	
	EXISTING MAJOR CONTOURS AT 5.0m INCREMENTS	
	EXISTING MINOR CONTOURS AT 1.0m INCREMENTS	
	EXISTING BOUNDARY LINE	

DESIGN GRADELINE
VERTICAL GEOMETRY

HORIZONTAL GEOMETRY

DATUM589.0

DESIGN LINE GRADING		622.37																						
EXISTING SURFACE		622.37																						
DEPTH ABOVE/BELOW EXISTING SURFACE		0																						
CHAINAGE		0																						
		20	0.579																					
		40	0.481																					
		60	-1.7																					
		80	-9.505																					
		92.739	-23.002																					
		100	-29.459																					
		120	-33.718																					
		129.551	-33.859																					
		140	-35.021																					
		160	-35.6																					
		170.658	-35.308																					
		180	-35.731																					
		200	-35.247																					
		200.647	-35.214																					
		220	-33.994																					
		230.084	-34.372																					
		233.162	-22.409																					
		240	-22.423																					
		245.296	-22.467																					
		248.33	-10.521																					
		260	-10.427																					
		280	-10.71																					
		282.712	-10.787																					
		284.113	0																					
		300	0																					

LONGITUDINAL SECTION – Stage 3 Profile

HORIZONTAL SCALE 1:500 (A1)
VERTICAL SCALE 1:500 (A1)

SECTION

S3

C6



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No.	DATE	DETAILS	BY

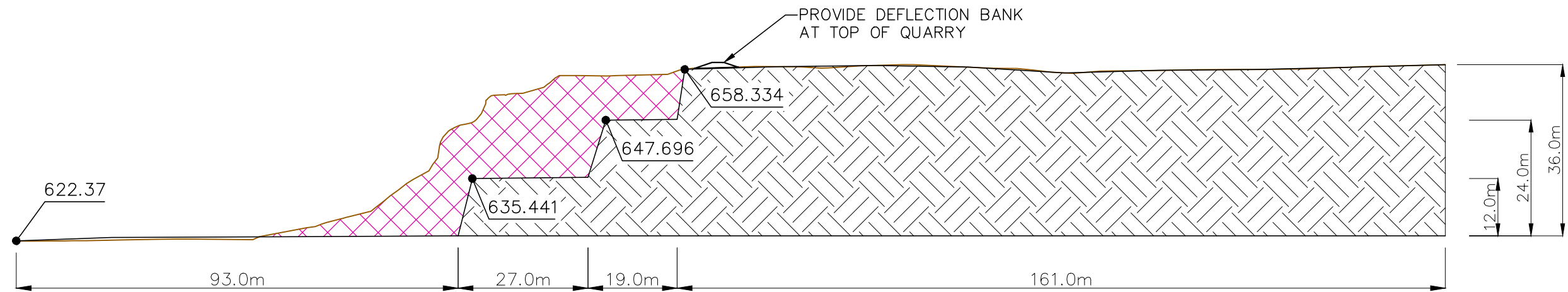


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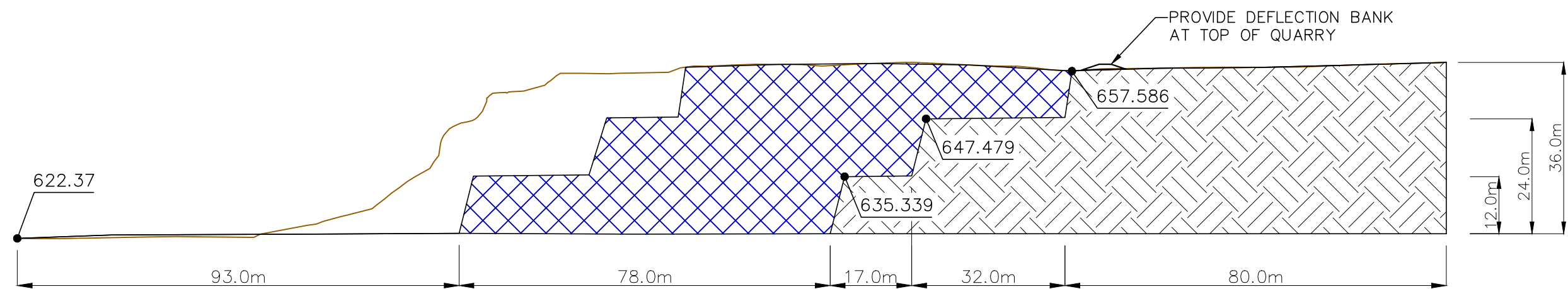
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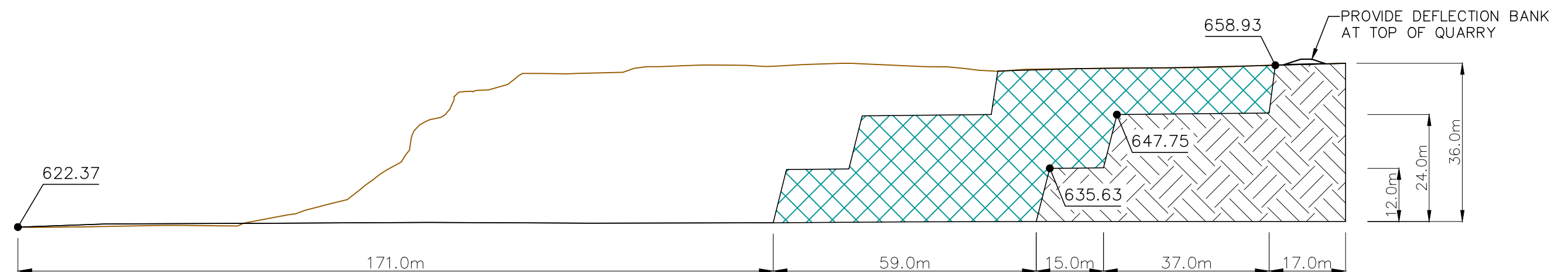
Sheet Title: STAGE-3 SECTION: 15-20 YEARS		Project Number:	
Client: BALD HILL QUARRY PTY LTD		Checked: A.X	
Scale: AS SHOWN		Approved:	
Design: A.X	Drawn: N.T	Date: MAR 2021	
Sheet Number: C7	Revision Number: C	Sheets in Set: 11	



STAGE-1
CROSS SECTION: 3-5 YEARS
SCALE: 1:500 (A1) 1:1000 (A3)



STAGE-2
CROSS SECTION: 7-12 YEARS
SCALE: 1:500 (A1) 1:1000 (A3)



STAGE-3
CROSS SECTION: 15-20 YEARS
SCALE: 1:500 (A1) 1:1000 (A3)



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P5	30.06.2022	ISSUED FOR PRELIMINARY REVIEW	A.X
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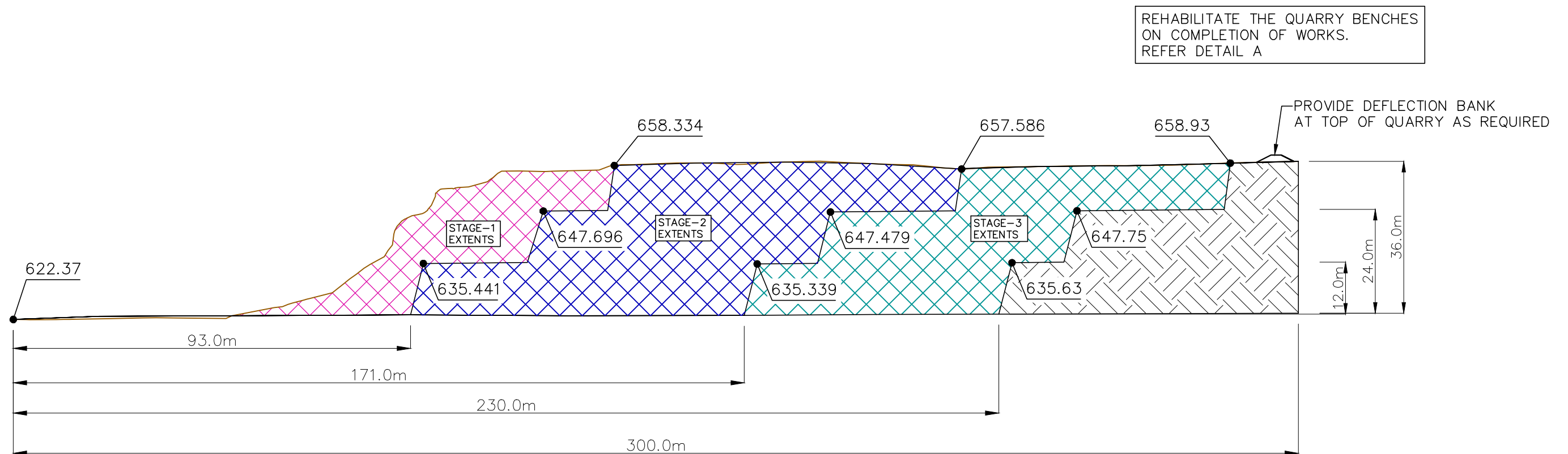


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Sheet Title: SIMPLIFIED STAGE SECTIONS 1/2				Project Number:		
Client: BALD HILL QUARRY PTY LTD			Checked: A.X		210864	
Scale: AS SHOWN			Approved:			
Design: A.X	Drawn: N.T	Date: MAR 2021		Sheet Number: C8	Revision Number: C	Sheets in Set: 11



SECTION A-A
PROPOSED QUARRY 3 STAGE
LAYOUT CROSS SECTION
SCALE: 1:200 (A1) 1:400 (A3)



C	15.07.2022	GENERAL REVISION	A.X
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P5	30.06.2022	ISSUED FOR PRELIMINARY REVIEW	A.X
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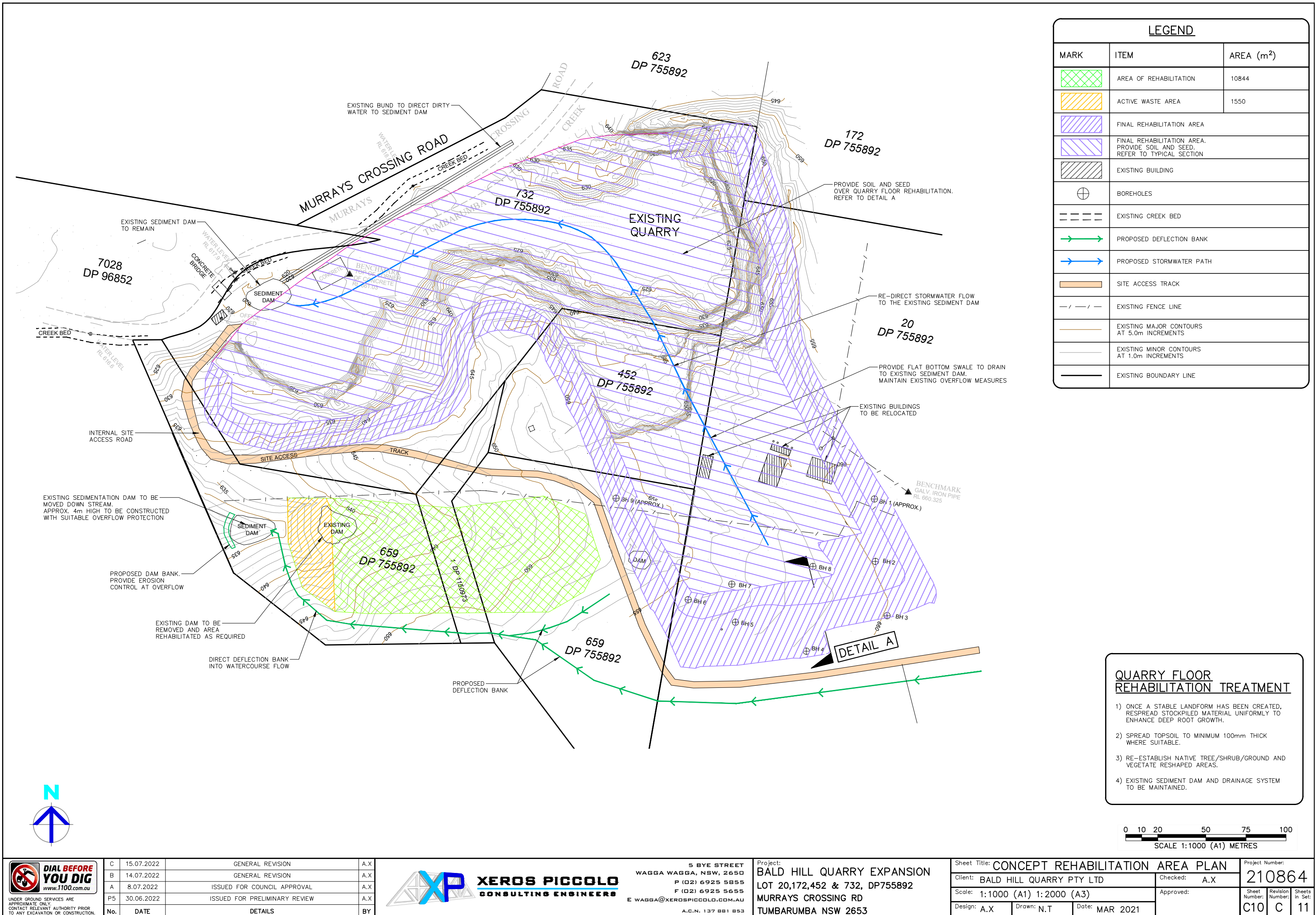


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Sheet Title: SIMPLIFIED STAGE SECTIONS 2/2			Project Number:		
Client: BALD HILL QUARRY PTY LTD			Checked: A.X		
Scale: AS SHOWN			Approved:		
Design: A.X	Drawn: N.T	Date: MAR 2021	Sheet Number: C9	Revision Number: C	Sheets in Set: 11



LEGEND		
MARK	ITEM	AREA (m ²)
	AREA OF REHABILITATION	10844
	ACTIVE WASTE AREA	1550
	FINAL REHABILITATION AREA	
	FINAL REHABILITATION AREA. PROVIDE SOIL AND SEED. REFER TO TYPICAL SECTION	
	EXISTING BUILDING	
	BOREHOLES	
	EXISTING CREEK BED	
	PROPOSED DEFLECTION BANK	
	PROPOSED STORMWATER PATH	
	SITE ACCESS TRACK	
	EXISTING FENCE LINE	
	EXISTING MAJOR CONTOURS AT 5.0m INCREMENTS	
	EXISTING MINOR CONTOURS AT 1.0m INCREMENTS	
	EXISTING BOUNDARY LINE	

QUARRY FLOOR REHABILITATION TREATMENT

- 1) ONCE A STABLE LANDFORM HAS BEEN CREATED, RESPREAD STOCKPILED MATERIAL UNIFORMLY TO ENHANCE DEEP ROOT GROWTH.
- 2) SPREAD TOPSOIL TO MINIMUM 100mm THICK WHERE SUITABLE.
- 3) RE-ESTABLISH NATIVE TREE/SHRUB/GROUND AND VEGETATE RESHAPED AREAS.
- 4) EXISTING SEDIMENT DAM AND DRAINAGE SYSTEM TO BE MAINTAINED.

0 10 20 50 75 100
SCALE 1:1000 (A1) METRES



DIAL BEFORE

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Project:

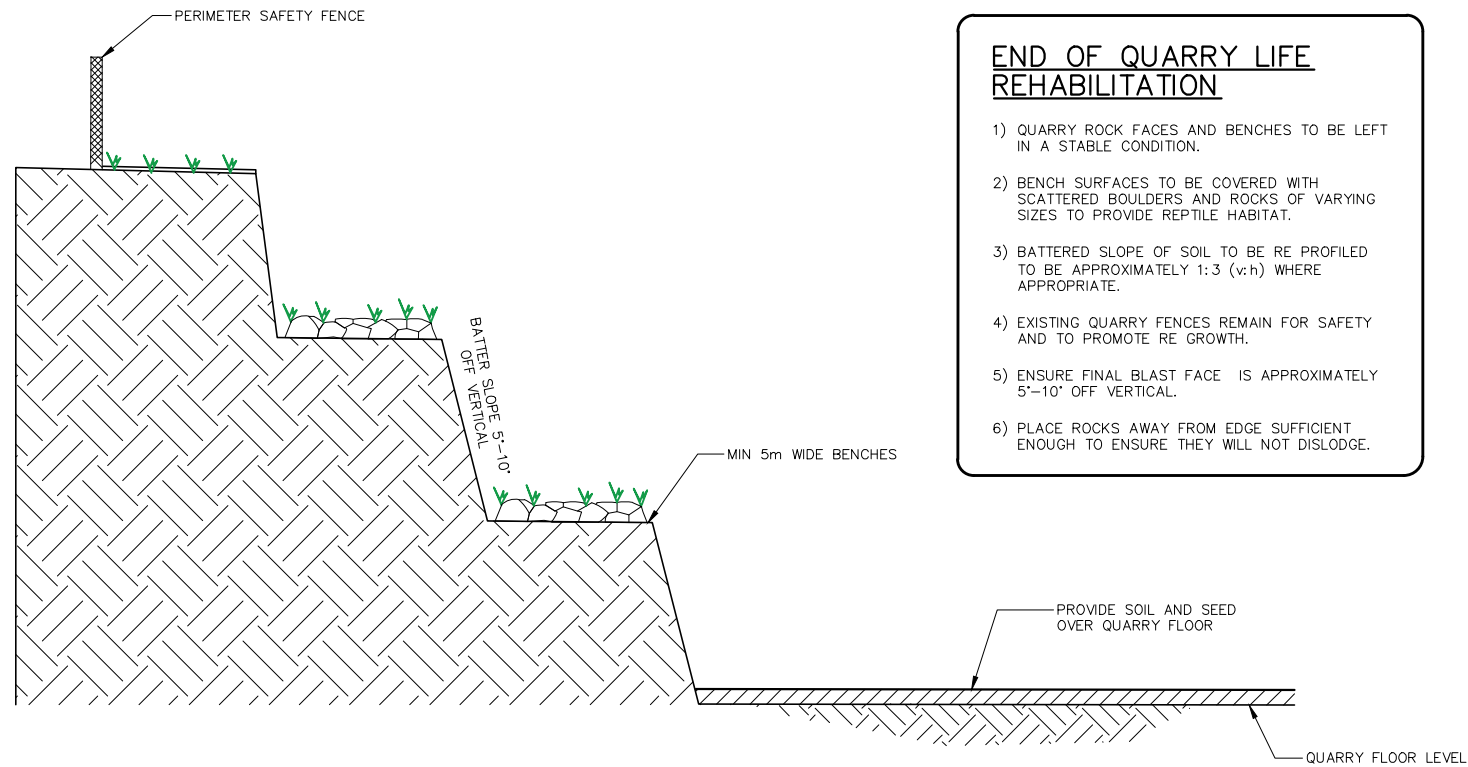
BALD HILL QUARRY EXPANSION

LOT 20,172,452 & 732, DP755892

MURRAYS CROSSING RD

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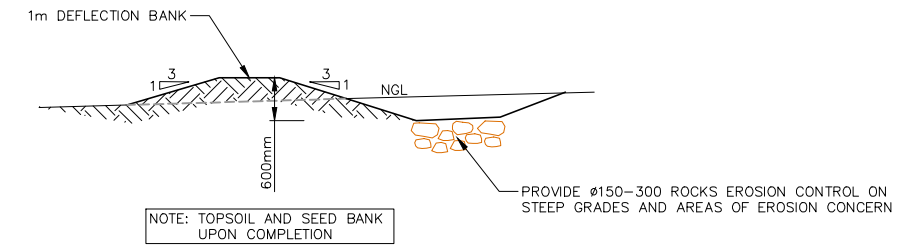
Sheet Title: CONCEPT REHABILITATION AREA PLAN			Project Number:		
Client: BALD HILL QUARRY PTY LTD		Checked: A.X		210864	
Scale: 1:1000 (A1) 1:2000 (A3)			Approved:		
Design: A.X	Drawn: N.T	Date: MAR 2021			
Sheet Number: C10	Revision Number: C	Sheets in Set: 11			



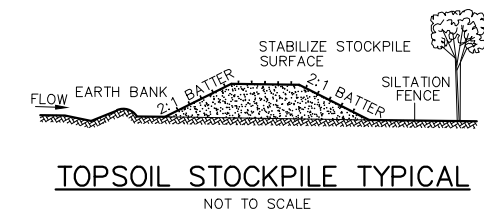
DETAIL A
TYPICAL SECTION
QUARRY REHABILITATION TREATMENT
NOT TO SCALE

END OF QUARRY LIFE REHABILITATION

- 1) QUARRY ROCK FACES AND BENCHES TO BE LEFT IN A STABLE CONDITION.
- 2) BENCH SURFACES TO BE COVERED WITH SCATTERED BOULDERS AND ROCKS OF VARYING SIZES TO PROVIDE REPTILE HABITAT.
- 3) BATTERED SLOPE OF SOIL TO BE RE PROFILED TO BE APPROXIMATELY 1:3 (v:h) WHERE APPROPRIATE.
- 4) EXISTING QUARRY FENCES REMAIN FOR SAFETY AND TO PROMOTE RE GROWTH.
- 5) ENSURE FINAL BLAST FACE IS APPROXIMATELY 5'-10' OFF VERTICAL.
- 6) PLACE ROCKS AWAY FROM EDGE SUFFICIENT ENOUGH TO ENSURE THEY WILL NOT DISLODGE.

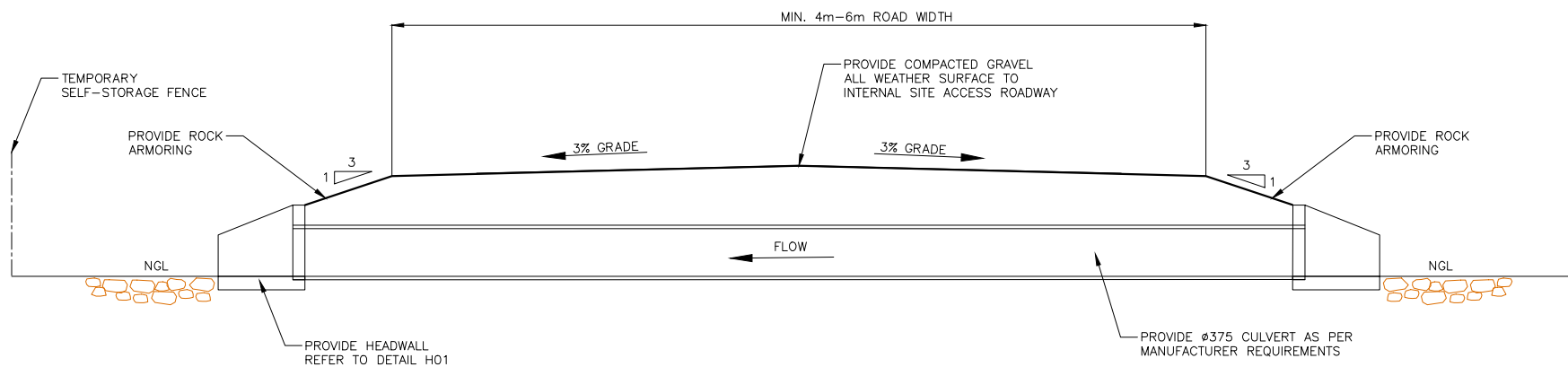


DETAIL B
TYPICAL SECTION DEFLECTION/CONTOUR BANK
NOT TO SCALE

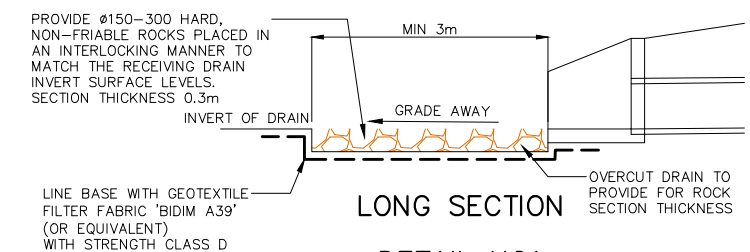
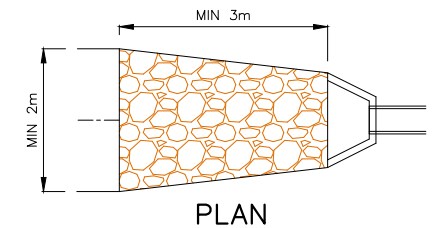


CONSTRUCTION NOTES

1. LOCATE STOCKPILE AT LEAST 5 METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS & HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS A LOW, FLAT, ELONGATED MOUND.
3. WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
4. REHABILITATE IN ACCORDANCE WITH THE SWMP/ESCP.
5. CONSTRUCT EARTH BANK (STANDARD DRAWING 5-2) ON THE UPSLOPE SIDE TO DIVERT RUN OFF AROUND THE STOCKPILE & A SEDIMENT FENCE (STANDARD DRAWING 6-8) 1 TO 2 METRES DOWNSLOPE OF STOCKPILE.



**TYPICAL SECTION
THROUGH ROAD GENERAL**
SCALE 1:25 (A1) 1:50 (A3)



DETAIL H01
TYPICAL CULVERT HEADWALL OUTLET
ROCK RIP RAP DETAIL
NOT TO SCALE



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Project:
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LOT 20,172,452 & 732, DP755892
MURRAY'S CROSSING RD
TUMBARUMBA NSW 2653

Sheet Title: **TYPICAL SECTIONS**

Client: **BALD HILL QUARRY PTY LTD**

Scale: **AS SHOWN**

Design: **A.X**

Drawn: **N.T**

Date: **MAR 2021**

Checked: **A.X**

Approved:

Project Number:

210864

Sheet Number:	Revision Number:	Sheets in Set:
C11	C	11