

ORIENT: TRUE NORTH
MCA NORTH

BLASTING PLAN

Coral Park Road Wollumbi NSW SCALE 1:1500



LEGENDS:



BOUNDARY OF PRINCES
HIGHWAY ROAD CORRIDOR



100-METER OFFSET FROM
HIGHWAY CORRIDOR



EXTRACTION AREA



LOCATION OF BOX
CULVERTS NOS. 612242
AND 612243

STAGES IN YEARS

STAGE 1: 1ST TO 14TH YEAR
STAGE 2: 15TH TO 22ND YEAR
STAGE 3: 23RD TO 30TH YEAR

NOTES:

- The Blasting Impact Assessment Report adopts a 100m buffer distance from blasting in the quarry to the Princes Highway Reserve, recommending appropriate blasting charge masses and flyrock mitigation measures. Outside of the 100m buffer zone blasting charge mass should be 7.5kg/m. Within the 100m buffer zone blasting charge mass should be reduced to 5kg/m and further flyrock mitigation measures to be implemented.
- AS2187.2 provides flyrock management measures, which if followed should in most cases confine any disturbances to the local blast area. Other controls, besides reducing charge mass, include the use of blast mats as per AS2187.2 or traffic controls on Princes Highway.
- Vibration monitoring devices are required to be installed at the location of concrete box culverts 612242 and 612243 to ensure vibration from blasting does not reach a maximum particle velocity of 80mm/s at these locations.

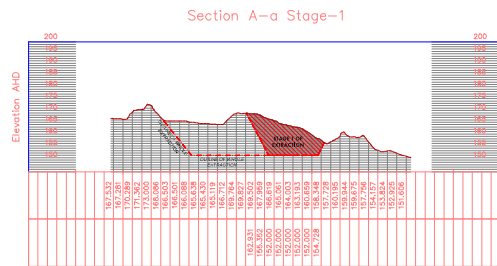
C	BLASTING AREA AND STAGES (IN YEARS) AMENDMENTS	JJ	08 Mar 25
B	CADASTRAL BOUNDARY REMOVAL	JJ	04 Dec 24
A	BLASTING PLAN	JJ	16 Aug 24
REV	DESCRIPTION	BY	DATE
STATUS: ISSUE 01			
BSE BSE Consulting STRUCTURAL CIVIL ENVIRONMENTAL ENGINEERS CONSULTING www.bseconsulting.com.au			
CLIENT: Murray Walsh			
PROJECT: Proposed Quarry Expansion			
SITE: 28 Coral Park Road Wollumbi NSW 2550			
TITLE: Blasting Plan			
SCALE AT A1: 1:1500	DATE: 08 Mar 25	DRAWN: JJ	CHECKED: MV
PROJECT NO: KEE01-05	DRAWING NO: C04	REVISION: 03	

APPROX. TRUE NORTH
MCA NORTH

BLASTING PLAN: STAGE 1

Corral Park Road Wollumbi NSW

SCALE: 1:1500



STAGE 1: 1st to 14th YEAR

New face of quarry, area within hatched area blasted and extracted down to 152m AHD, Roughly 1/3 of the total extraction.

LEGENDS:

- BOUNDARY OF PRINCES HIGHWAY ROAD CORRIDOR
- 100-METER OFFSET FROM HIGHWAY CORRIDOR
- EXTRACTION AREA
- STAGE 1 OF EXTRACTION WITHIN 14 YEARS
- AREA WITHIN 152m AHD
- LOCATION OF BOX CULVERTS NOS. 612242 AND 612243

NOTES:

- The Blasting Impact Assessment Report adopts a 100m buffer distance from blasting in the quarry to the Princes Highway Reserve, recommending appropriate blasting charge masses and flyrock mitigation measures. Outside of the 100m buffer zone blasting charge mass should be 7.5kg/m. Within the 100m buffer zone blasting charge mass should be reduced to 5kg/m and further flyrock mitigation measures to be implemented.
- AS2187.2 provides flyrock management measures, which if followed should in most cases confine any disturbances to the local blast area. Other controls, besides reducing charge mass, include the use of blast mats as per AS2187.2 or traffic controls on Princes Highway.
- Vibration monitoring devices are required to be installed at the location of concrete box culverts 612242 and 612243 to ensure vibration from blasting does not reach a maximum particle velocity of 80mm/s at these locations.

REV	DESCRIPTION	BY	DATE
D	BLASTING AREA AND STAGES IN YEARS AMENDMENTS	JG	08 Mar 25
C	CADASTRAL BOUNDARY REMOVAL	JJ	04 Dec 24
B	AMENDMENT TO 152m AHD	JJ	14 Nov 24
A	BLASTING PLAN	JJ	15 Aug 24

STATUS:	ISSUE 01
BSE Consulting	STRUCTURAL CIVIL ENVIRONMENTAL ENGINEERS
www.bseconsulting.com.au	

CLIENT: Murray Walsh

PROJECT: Proposed Quarry Expansion

SITE: 28 Corral Park Road Wollumbi NSW 2550

TITLE: Blasting Plan

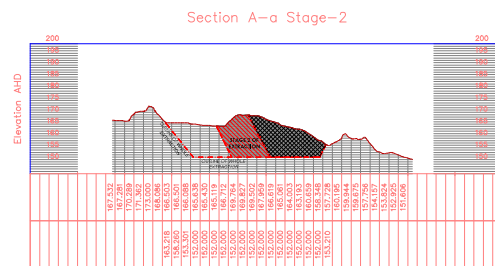
SCALE AT	DATE	DRAWN	CHECKED
1:1500	08 Mar 25	JJ	WV
PROJECT NO:	DRAWING NO:	REVISION:	
KEE01-05	C05	04	

APPROX. TRUE NORTH
MCA NORTH

BLASTING PLAN: STAGE 2

Coral Park Road Wollumbia NSW

SCALE 1:1500



STAGE 2: 15th to 22nd YEAR

New face of quarry, area within hatched area blasted and extracted down to 152m AHD, Roughly 2/3 of the total extraction.

LEGENDS:

- BOUNDARY OF PRINCES HIGHWAY ROAD CORRIDOR
- 100-METER OFFSET FROM HIGHWAY CORRIDOR
- EXTRACTION AREA
- STAGE 2 OF EXTRACTION WITHIN 8 YEARS
- AREA WITHIN 152m AHD
- LOCATION OF BOX CULVERTS NOS. 612242 AND 612243

NOTES:

- The Blasting Impact Assessment Report adopts a 100m buffer distance from blasting in the quarry to the Princes Highway Reserve, recommending appropriate blasting charge masses and flyrock mitigation measures. Outside of the 100m buffer zone blasting charge mass should be 7.5kg/m. Within the 100m buffer zone blasting charge mass should be reduced to 5kg/m and further flyrock mitigation measures to be implemented.
- AS2187.2 provides flyrock management measures, which if followed should in most cases confine any disturbances to the local blast area. Other controls, besides reducing charge mass, include the use of blast mats as per AS2187.2 or traffic controls on Princes Highway.
- Vibration monitoring devices are required to be installed at the location of concrete box culverts 612242 and 612243 to ensure vibration from blasting does not reach a maximum particle velocity of 80mm/s at these locations.

REV	DESCRIPTION	BY	DATE
D	BLASTING AREA AND STAGES IN YEARS AMENDMENTS	JG	08 Mar 25
C	CADASTRAL BOUNDARY REMOVAL	JJ	04 Dec 24
B	AMENDMENT TO 152M AHD	JJ	11 Nov 24
A	BLASTING PLAN	JJ	16 Aug 24

STATUS: ISSUE 01

BSE Consulting
STRUCTURAL
CIVIL
ENVIRONMENTAL
ENGINEERS
www.bseconsulting.com.au

CLIENT:
Murray Walsh

PROJECT:
Proposed Quarry Expansion

SITE:
28 Coral Park Road Wollumbia NSW 2550

TITLE:
Blasting Plan

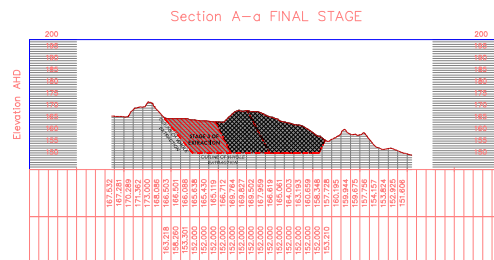
SCALE AT	DATE	DRAWN	CHECKED
1:1500	08 Mar 25	JJ	MV
PROJECT NO:	DRAWING NO:	REVISION:	
KEE01-05	C06	04	

APPROX. TRUE NORTH
MCA NORTH

BLASTING PLAN: STAGE 3

Corral Park Road Wollumbi NSW

SCALE 1:1500



STAGE 3: 23rd to 30th YEAR

Final topograph, entire extraction area down to 152m AHD.

LEGENDS:

- BOUNDARY OF PRINCES HIGHWAY ROAD CORRIDOR
- 100-METER OFFSET FROM HIGHWAY CORRIDOR
- EXTRACTION AREA
- STAGE 3 OF EXTRACTION WITHIN 8 YEARS
- AREA WITHIN 152m AHD
- LOCATION OF BOX CULVERTS NOS. 612242 AND 612243

NOTES:

- The Blasting Impact Assessment Report adopts a 100m buffer distance from blasting in the quarry to the Princes Highway Reserve, recommending appropriate blasting charge masses and flyrock mitigation measures. Outside of the 100m buffer zone blasting charge mass should be 7.5kg/m. Within the 100m buffer zone blasting charge mass should be reduced to 5kg/m and further flyrock mitigation measures to be implemented.
- AS2187.2 provides flyrock management measures, which if followed should in most cases confine any disturbances to the local blast area. Other controls, besides reducing charge mass, include the use of blast mats as per AS2187.2 or traffic controls on Princes Highway.
- Vibration monitoring devices are required to be installed at the location of concrete box culverts 612242 and 612243 to ensure vibration from blasting does not reach a maximum particle velocity of 80mm/s at these locations.

D	BLASTING AREA AND STAGES IN YEARS/AMENDMENTS	JJ	08 Mar 24
---	--	----	-----------

C	CADASTRAL BOUNDARY REMOVAL	JJ	04 Dec 24
---	----------------------------	----	-----------

B	AMENDMENT TO 152M AHD	JJ	11 Nov 24
---	-----------------------	----	-----------

A	BLASTING PLAN	JJ	18 Aug 24
---	---------------	----	-----------

REV	DESCRIPTION	BY	DATE
-----	-------------	----	------

STATUS: ISSUE 01

BSE Consulting
STRUCTURAL
CIVIL
ENVIRONMENTAL
ENGINEERS
www.bseconsulting.com.au

CLIENT:
Murray Walsh

PROJECT:
Proposed Quarry Expansion

SITE:
28 Corral Park Road Wollumbi NSW 2550

TITLE:
Blasting Plan

SCALE AT
A1: 1:1500

DATE:
08 Mar 25

DRAWN:
JJ

CHECKED:
MV

PROJECT NO:
KEE01-05

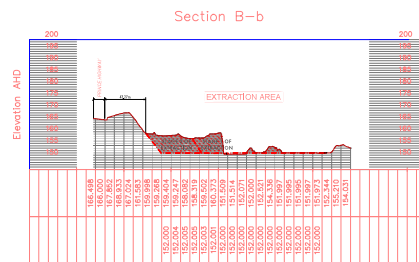
DRAWING NO:
C07

REVISION:
04

APPROX. TRUE NORTH
MCA NORTH

EXTRACTION AREA OVERVIEW

Coral Park Road Wolumba NSW
SCALE 1:1500



STAGE 3: 23rd to 30th YEAR

Final topograph, entire extraction area down to 152m AHD.

LEGENDS:

- BOUNDARY OF PRINCES HIGHWAY ROAD CORRIDOR
- 100-METER OFFSET FROM HIGHWAY CORRIDOR
- EXTRACTION AREA
- STAGE 1 OF EXTRACTION WITHIN 8 YEARS
- AREA WITHIN 152m AHD
- LOCATION OF BOX CULVERTS NOS. 612242 AND 612243

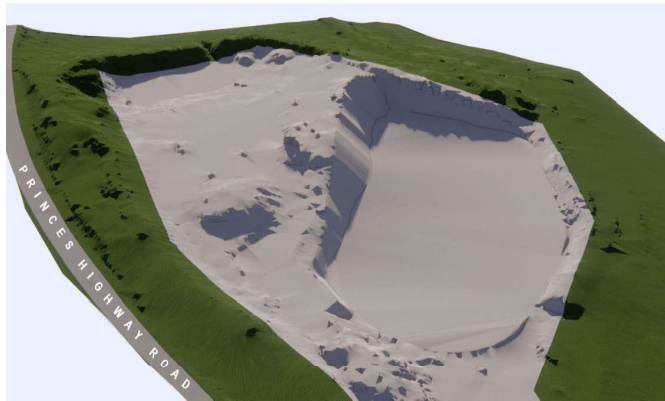
NOTES:

- The Blasting Impact Assessment Report adopts a 100m buffer distance from blasting in the quarry to the Princes Highway Reserve, recommending appropriate blasting charge masses and flyrock mitigation measures. Outside of the 100m buffer zone blasting charge mass should be 7.5kg/m. Within the 100m buffer zone blasting charge mass should be reduced to 5kg/m and further flyrock mitigation measures to be implemented.
- AS2187.2 provides flyrock management measures, which if followed should in most cases confine any disturbances to the local blast area. Other controls, besides reducing charge mass, include the use of blast mats as per AS2187.2 or traffic controls on Princes Highway.
- Vibration monitoring devices are required to be installed at the location of concrete box culverts 612242 and 612243 to ensure vibration from blasting does not reach a maximum particle velocity of 80mm/s at these locations.

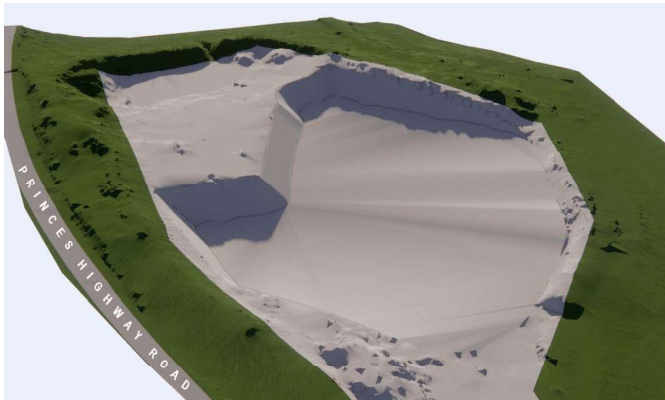
C	BLASTING AREA AND STAGES (IN YEARS) AMENDMENTS	JG	08 Mar 24
B	CADASTRAL BOUNDARY REMOVAL	JJ	04 Dec 24
A	BLASTING PLAN	JJ	18 Aug 24
REV	DESCRIPTION	BY	DATE
STATUS:			
ISSUE 01			
BSE Consulting STRUCTURAL CIVIL ENVIRONMENTAL CONSULTING ENGINEERS www.bseconsulting.com.au			
CLIENT:			
Murray Walsh			
PROJECT:			
Proposed Quarry Expansion			
SITE:			
28 Coral Park Road Wolumba NSW 2550			
TITLE:			
Extraction Area Overview			
SCALE AT A1: 1:1500	DATE: 08 Mar 25	DRAWN: JJ	CHECKED: MV
PROJECT NO: KEE01-05	DRAWING NO: C07-A	REVISION: 03	



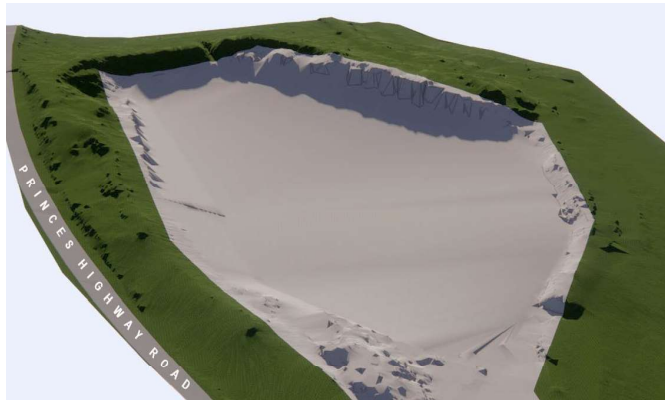
① Quarry Site - Existing



② Quarry Site - Proposed Stage 1



③ Quarry Site - Proposed Stage 2



④ Quarry Site - Proposed Stage 3

NOTES:

A	BLASTING STAGES AMENDMENTS	JG	16 Mar 25
REV	DESCRIPTION	BY	DATE
STATUS: ISSUE 01			
BSE Consulting STRUCTURAL CIVIL ENVIRONMENTAL ENGINEERS www.bseconsulting.com.au			
CLIENT: Murray Walsh			
PROJECT: Proposed Quarry Expansion			
SITE: 28 Coral Park Road Wolumila NSW 2550			
TITLE: Quarry Site Digital Terrain Model			
SCALE AT A1	DATE: 16 Mar 25	DRAWN: AJ	CHECKED: MV
PROJECT NO: WEE01-02	DRAWING NO: CD7-B	REVISION: 01	