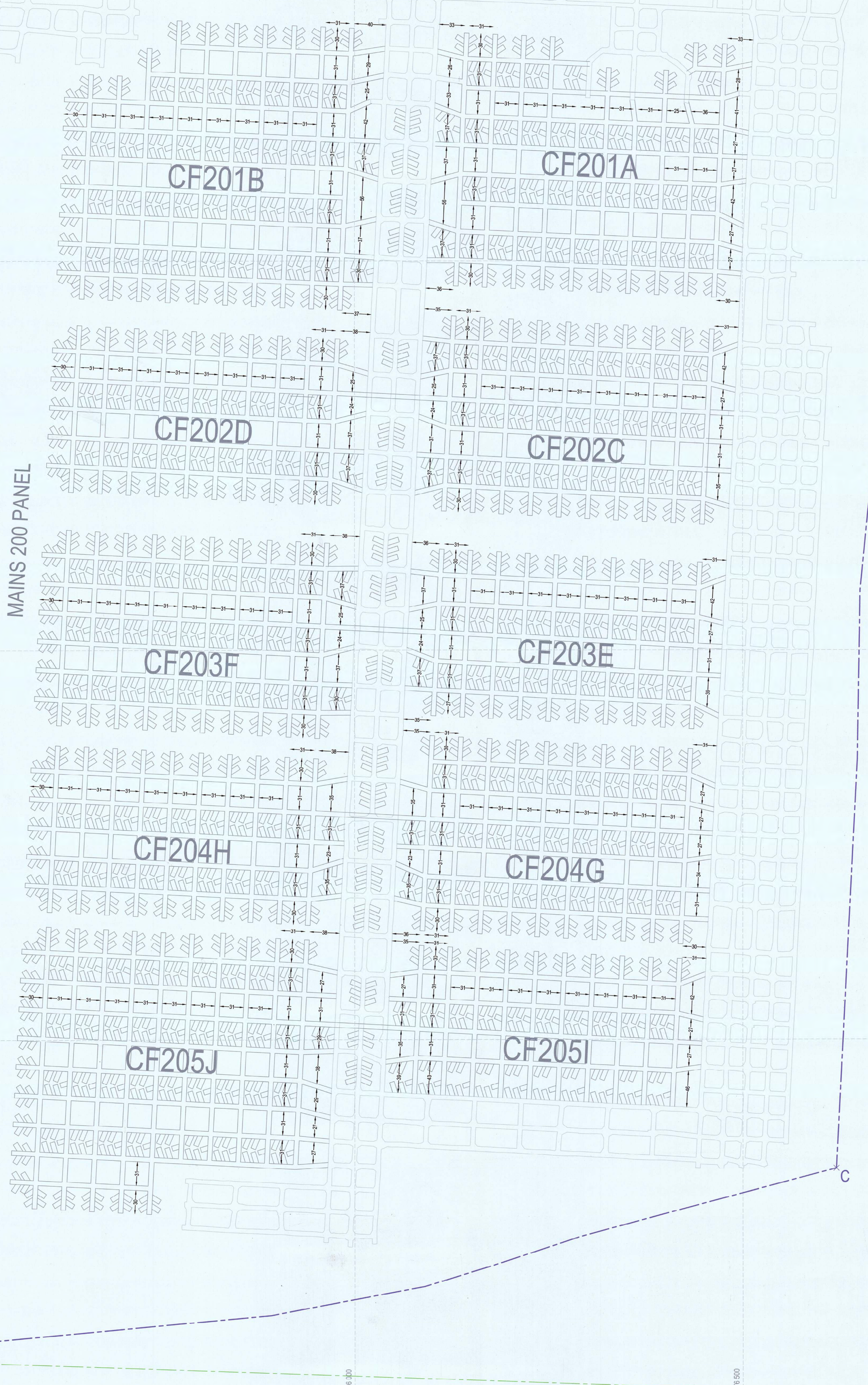




LONGWALL 203

MAINS 200 PANEL

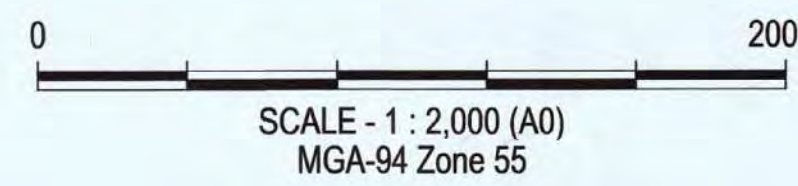


LEGEND:

- CURRENT FIRST WORKINGS
- PROPOSED FIRST WORKINGS (WITH LENGTHS)
- APPLICATION AREA (ANGLE OF DRAW)
- EXTRACTION PLAN BOUNDARY
- ABUTMENT PILLAR DIMENSION

APPLICATION AREA COORDINATES		
POINT	EASTING	NORTHING
A	775554.36	6620470.26
B	776668.37	6620397.34
C	776620.49	6618834.29
D	775443.30	6618604.88

- NOTES:
- ALL DIMENSIONS IN METRES.
 - COORDINATE DATA IN MAP GRID OF AUSTRALIA 1994 (MGA94).
 - HEIGHT DATA IN AUSTRALIAN HEIGHT DATUM (AHD).
 - WORKINGS AS AT 29 OCTOBER 2021.
 - APPLICATION AREA DETERMINED USING 26.5° ANGLE OF DRAW.
 - FIRST WORKINGS DIMENSIONS 6.2m x 3.2m - 3.5m.
 - FINAL EXTRACTION HEIGHT OF 4.3m (AFTER FLOOR BRUSHING).
 - LONGWALL VOID DIMENSIONS INCLUDE THE ADJACENT FIRST WORKINGS.
 - WORKINGS IN HOSKISSONS SEAM.
 - PROPOSED FIRST WORKINGS LENGTHS MEASURED CENTRE TO CENTRE.
 - ABUTMENT PILLAR DIMENSIONS MEASURED RIB TO RIB.



MANAGER CERTIFICATION	
NAME: <u>James Stewart</u>	
SIGNATURE: <u>[Signature]</u>	
MINING ENGINEERING MANAGER	DATE: <u>26.11.21</u>

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HORIZONTAL DATUM:

VERTICAL DATUM:

REFERENCE	DRG No.	TITLE

REV	DATE	DESCRIPTION
B	15.11.21	REVISED MINING PLAN
A	15.10.21	ISSUED FOR REVIEW

DRN	CHK	ENG	APP
OK			
OK			



CLIENT DRG No.

-



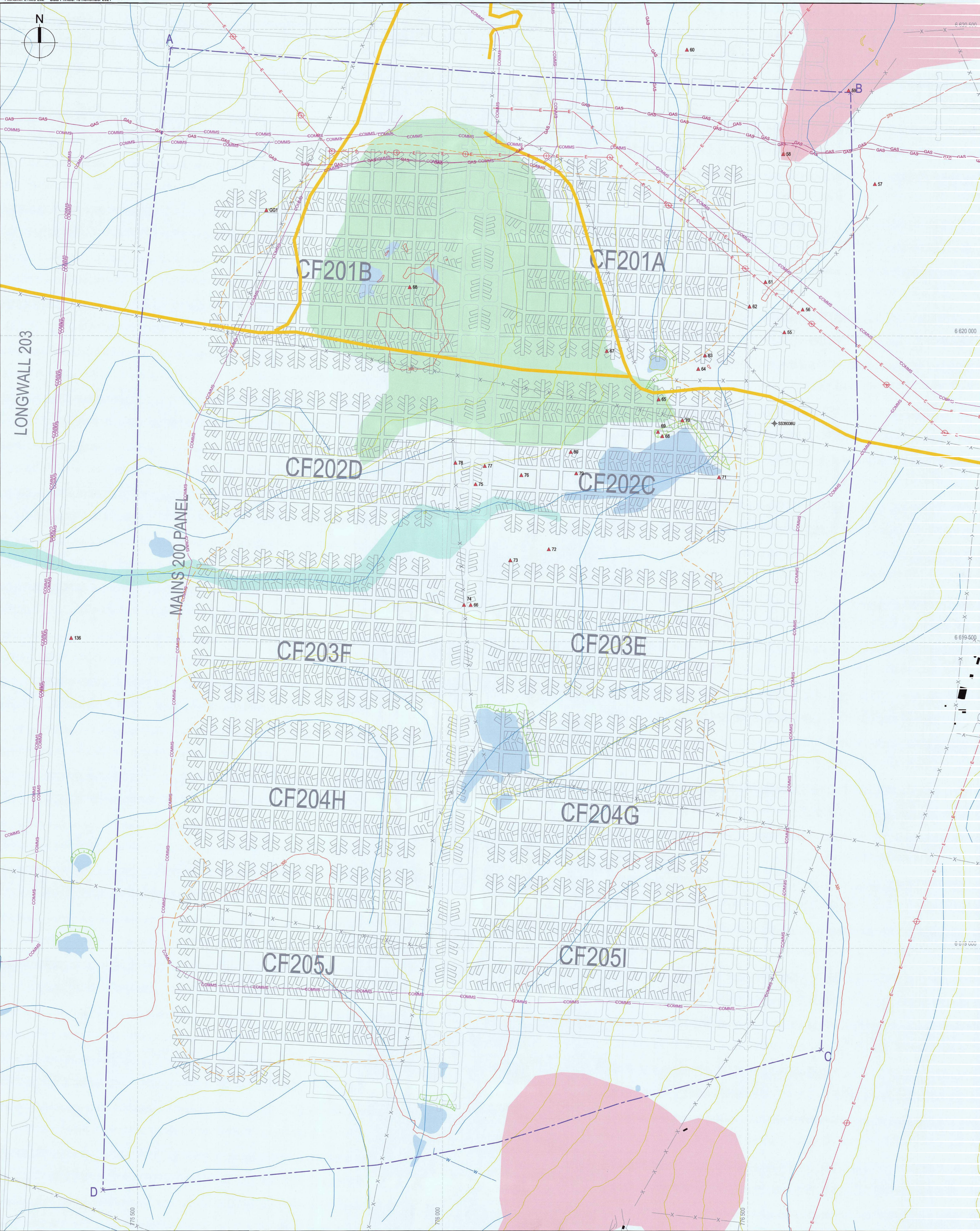
NARRABRI COAL MINE
EXTRACTION PLAN - PLAN 1
EXISTING AND PROPOSED WORKINGS
PANELS 201 & 202

A0
FULL SIZE

SCALE
1:2,000

ONWARD DRG No.
21025-201

REV
B



LEGEND:

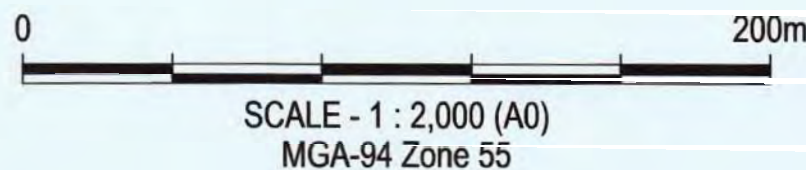
- CURRENT FIRST WORKINGS
- PROPOSED FIRST WORKINGS
- APPLICATION AREA (ANGLE OF DRAW)
- POWERLINE / POWER POLE
- WATER PIPELINE
- GAS PIPELINE
- FENCE
- MINE COMMUNICATIONS LINE
- PREDICTED -0.020m SUBSIDENCE CONTOUR
- UNSEALED ROAD / TRACK
- SURFACE CONTOURS - MAJOR / MINOR
- CONTOUR BANK AND DRAIN
- WATER COURSE - RURAL DAM
- BUILDING
- SURVEY CONTROL MARK
- CULTURAL HERITAGE SITE
- VEGETATION CALLITRIS FOREST
- INLAND GREY BOX WOODLAND
- RIPARIAN FOREST

APPLICATION AREA COORDINATES

POINT	EASTING	NORTHING
A	775554.36	6620470.26
B	776668.37	6620397.34
C	776620.49	6618834.29
D	775443.30	6618604.88

NOTES:

- ALL DIMENSIONS IN METRES.
- COORDINATE DATA IN MAP GRID OF AUSTRALIA 1994 (MGA94).
- HEIGHT DATA IN AUSTRALIAN HEIGHT DATUM (AHD).
- WORKINGS AS AT 26 OCTOBER 2021.
- APPLICATION AREA DETERMINED USING 26.5° ANGLE OF DRAW.
- FIRST WORKINGS DIMENSIONS 6.2m x 3.2m - 3.5m.
- FINAL EXTRACTION HEIGHT OF 4.3m (AFTER FLOOR BRUSHING).
- LONGWALL VOID DIMENSIONS INCLUDE THE ADJACENT FIRST WORKINGS.
- WORKINGS IN HOSKISSONS SEAM.
- SURFACE CONTOURS GENERATED FROM LIDAR DATA AND ARE POST SUBSIDENCE IN AREAS EXTRACTED AT TIME OF FLIGHT.
- PREDICTED SUBSIDENCE CONTOURS SUPPLIED BY EXTERNAL CONSULTANTS.
- SURFACE DETAILS DERIVED FROM AERIAL AND TERRESTRIAL SURVEYS.



MANAGER CERTIFICATION

NAME: James Stewart

SIGNATURE: [Signature]

MINING ENGINEERING MANAGER DATE: 26.11.21

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HORIZONTAL DATUM:

REV	DATE	DESCRIPTION
B	15.11.21	REVISED MINING PLAN
A	21.10.21	ISSUED FOR REVIEW

VERTICAL DATUM:

DRN	CHK	ENG	APP
OK			
OK			



CLIENT DRG No.

-

NARRABRI COAL MINE
EXTRACTION PLAN - PLAN 2
NATURAL AND MAN MADE FEATURES
PANELS 201 & 202

A0
FULL SIZE

SCALE
1:2,000

ONWARD DRG No.
21025-202

REV
R



LEGEND:

- | | | | |
|--|----------------------------------|--|-------------------|
| | CURRENT FIRST WORKINGS | | PROJECTED WASHOUT |
| | PROPOSED FIRST WORKINGS | | WASHOUT MAPPED |
| | APPLICATION AREA (ANGLE OF DRAW) | | PROJECTED FAULT |
| | DEPTH OF COVER ISOPACHS | | FAULT MAPPED |
| | SEAM THICKNESS ISOPACHS | | JOINT |
| | POSSIBLE FAULT / STRUCTURE ZONE | | STRESS DIRECTION |
| | PYRITE ZONE | | BOREHOLE |

APPLICATION AREA COORDINATES		
POINT	EASTING	NORTHING
A	775554.36	6620470.26
B	776668.37	6620397.34
C	776620.49	6618834.29
D	775443.30	6618604.88

- NOTES:
- ALL DIMENSIONS IN METRES.
 - COORDINATE DATA IN MAP GRID OF AUSTRALIA 1994 (MGA94).
 - HEIGHT DATA IN AUSTRALIAN HEIGHT DATUM (AHD).
 - WORKINGS AS AT 29 OCTOBER 2021.
 - APPLICATION AREA DETERMINED USING 26.5° ANGLE OF DRAW.
 - FIRST WORKINGS DIMENSIONS 6.0m x 3.2m x 3.5m.
 - FINAL EXTRACTION HEIGHT OF 4.3m (AFTER FLOOR BRUSHING).
 - LONGWALL VOID DIMENSIONS INCLUDE THE ADJACENT FIRST WORKINGS.
 - WORKINGS IN HOSKISSONS SEAM.
 - GEOLOGICAL DATA SUPPLIED BY GEOLOGY DEPARTMENT, GENERATED FROM EXPLORATION AND INSEAM GAS DRAINAGE DRILLING, TOGETHER WITH DRIVEN ROADWAY MAPPING.

0 200m

SCALE - 1 : 2,000 (A0)
MGA-94 Zone 55

NAME: JAMES STEWART

SIGNATURE: [Signature]

MINING ENGINEERING MANAGER

DATE: 26.11.21

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HORIZONTAL DATUM:

VERTICAL DATUM:

REVISIONS

REV	DATE	DESCRIPTION
B	15.11.21	REVISED MINING PLAN
A	21.10.21	ISSUED FOR REVIEW

DRN

CHK

ENG

APP

CLIENT DRG No.

-

ONWARD
CONSULTING

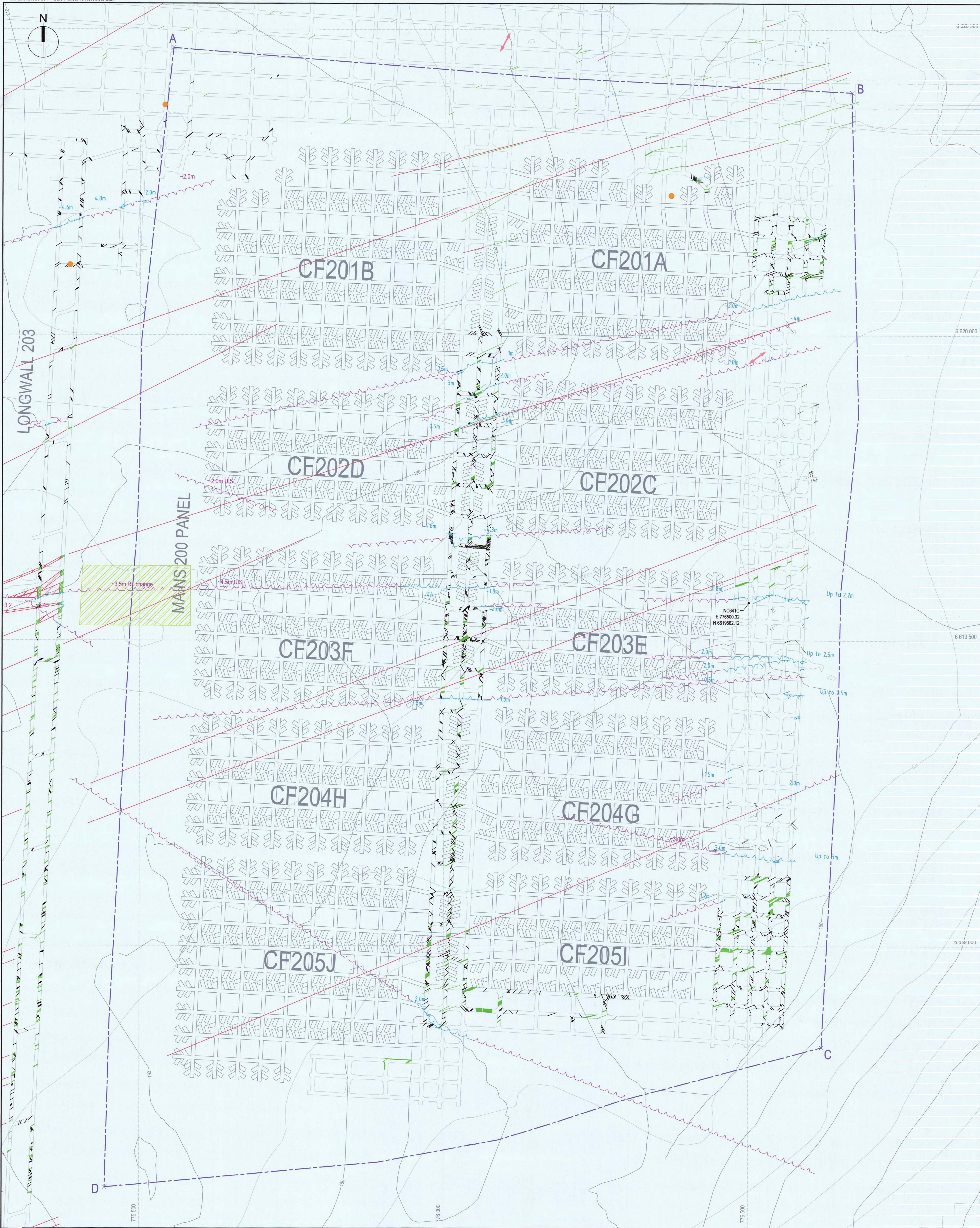
NARRABRI COAL MINE
EXTRACTION PLAN - PLAN 3
HOSKISSONS SEAM GEOLOGICAL DATA
PANELS 201 & 202

A0
FULL SIZE

SCALE
1:2,000

ONWARD DRG No.
21025-203

REV
B



LEGEND:

	CURRENT FIRST WORKINGS		PROJECTED WASHOUT
	PROPOSED FIRST WORKINGS		WASHOUT MAPPED
	APPLICATION AREA (ANGLE OF DRAW)		PROJECTED FAULT
	DEPTH OF COVER ISOPACHS		FAULT MAPPED
	SEAM THICKNESS ISOPACHS		JOINT
	POSSIBLE FAULT / STRUCTURE ZONE		STRESS DIRECTION
	PYRITE ZONE		BOREHOLE

APPLICATION AREA COORDINATES

POINT	EASTING	NORTHING
A	775554.36	6620470.26
B	776668.37	6620397.34
C	776620.49	6618834.29
D	775443.30	6618604.88

NOTES:

- ALL DIMENSIONS IN METRES.
- COORDINATE DATA IN MAP GRID OF AUSTRALIA 1994 (MGA94).
- HEIGHT DATA IN AUSTRALIAN HEIGHT DATUM (AHD).
- WORKINGS AS AT 29 OCTOBER 2021.
- APPLICATION AREA DETERMINED USING 26.5° ANGLE OF DRAW.
- FIRST WORKINGS DIMENSIONS 6.2m x 3.2m ~ 3.5m.
- FINAL EXTRACTION HEIGHT OF 4.3m (AFTER FLOOR BRUSHING).
- LONGWALL VOID DIMENSIONS INCLUDE THE ADJACENT FIRST WORKINGS.
- WORKINGS IN HOSKISSONS SEAM.
- GEOLOGICAL DATA SUPPLIED BY GEOLOGY DEPARTMENT, GENERATED FROM EXPLORATION AND INSEAM GAS DRAINAGE DRILLING, TOGETHER WITH DRIVEN ROADWAY MAPPING.

0 200m

SCALE: 1 : 2,000 (A0)

MGA-94 Zone 55

MANAGER CERTIFICATION

NAME: James Stewart

SIGNATURE: [Signature]

MINING ENGINEERING MANAGER DATE: 26.11.21

MAINS 200 PANEL

CURRENT FIRST WORKINGS
 PROPOSED FIRST WORKINGS
 APPLICATION AREA (ANGLE OF DRAIN)
 MINING LEASE (ML 1609)
 COLLIERY HOLDING BOUNDARY
 CADASTRAL BOUNDARIES
 DP NUMBER / LOT NUMBER

APPLICATION AREA COORDINATES		
POINT	EASTING	NORTHING
A	775554.36	6620470.28
B	776668.37	6620387.34
C	776620.49	6618834.25
D	776443.30	6618664.40

NOTES:

1. ALL DIMENSIONS IN METRES.
2. COORDINATE DATA IN MAP GRID OF AUSTRALIA 1994 (MG494).
3. HEIGHT DATA IN AUSTRALIAN HEIGHT DATUM (AHD).
4. WORKINGS AS AT 29 OCTOBER 2021.
5. APPLICATION AREA DETERMINED USING 26.5° ANGLE OF DRAW.
6. FIRST WORKINGS DIMENSIONS 6.2m x 3.2m - 3.5m.
7. FINAL EXTRACTION HEIGHT OF 4.3m (AFTER FLOOR BRUSHING).
8. LONGWALL VOID DIMENSIONS INCLUDE THE ADJACENT FIRST WORKINGS.
9. WORKINGS IN HOSKINGS SEAM.
10. CADASTRAL DATA DERIVED FROM DCCB.

MANAGER CERTIFICATION
NAME: JAMES STEWART
SIGNATURE: [Signature]
MINING ENGINEERING MANAGER DATE: 20

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WHITEHAVEN COAL

CLIENT DRG No.



NARRABRI COAL MINE
EXTRACTION PLAN - PLAN 5
MINING TITLES AND LAND OWNERSHIP
PANELS 201 & 202

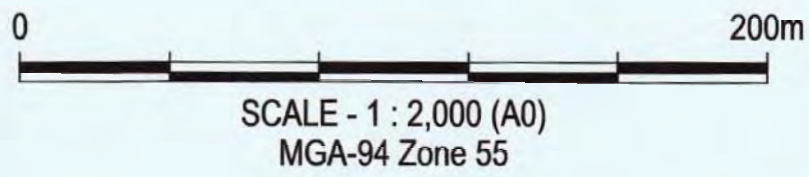
A0 Full Size	SCALE 1/2"=1'-0"	ONWARD DRG No. 21025-205	REV B
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- LEGEND:
- CURRENT FIRST WORKINGS
 - PROPOSED FIRST WORKINGS
 - APPLICATION AREA (ANGLE OF DRAW)

APPLICATION AREA COORDINATES		
POINT	EASTING	NORTHING
A	775554.36	6620470.26
B	776668.37	6620397.34
C	776620.49	6618834.29
D	775443.30	6618604.88

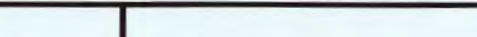
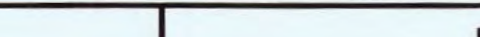
- NOTES:
- ALL DIMENSIONS IN METRES.
 - COORDINATE DATA IN MAP GRID OF AUSTRALIA 1994 (MGA94).
 - HEIGHT DATA IN AUSTRALIAN HEIGHT DATUM (AHD).
 - WORKINGS AS AT 29 OCTOBER 2021.
 - APPLICATION AREA DETERMINED USING 26.5° ANGLE OF DRAW.
 - FIRST WORKINGS DIMENSIONS 6.2m x 3.2m - 3.5m.
 - FIRST EXTRACTION HEIGHT OF 4.3m (AFTER FLOOR BRUSHING).
 - LONGWALL VOID DIMENSIONS INCLUDE THE ADJACENT FIRST WORKINGS.
 - WORKINGS IN HOSKISSONS SEAM.



MANAGER CERTIFICATION

SIGNATURE:

MINING ENGINEERING MANAGER DATE: 26.11.21

REFERENCE	© THIS DRAWING REMAINS THE PROPERTY OF ONWARD CONSULTING PTY LTD AND SHALL NOT BE DUPLICATED WITHOUT THE WRITTEN CONSENT OF ONWARD CONSULTING PTY LTD				HORIZONTAL DATUM:				VERTICAL DATUM:						NARRABRI COAL MINE EXTRACTION PLAN - PLAN 8 AERIAL PHOTO W/ EXIST. & PROP. WORKINGS PANELS 201 & 202																				
															CLIENT DRG No. -																				
DRG No.				TITLE				REV				DATE				DESCRIPTION				DRN				CHK				ENG				APP			
								B				15.11.21				REVISED MINING PLAN				DK															
								A				21.10.21				ISSUED FOR REVIEW				DK															