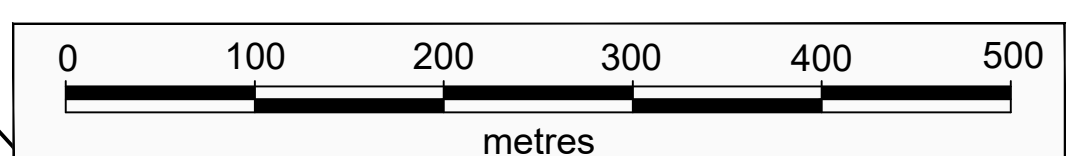
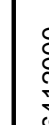
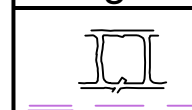


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First Workings Height = 2.8m to 3.2m
Longwall Extraction Height = 2.7m to 3.3m



Existing Mine Workings - 06/2020
Proposed Mine Workings

	Extents of Proposed Secondary Extraction
	Mining Lease Boundary
	Consolidated Project Approved Boundary
	Open Cut Void Extents (March 2020)
	Open Cut Rehabilitation Extents (March 2020)
	Tailing Emplacement Areas (March 2020)

— — — Underground Workings lie partly within Patrick Plains Mine Subsidence District

No known areas of Spontaneous Combustion or Gas Outburst has occurred within the Middle Liddell Seam, Integra Underground

All underground workings, current or proposed are within CL382, ML1740, ML1742 & ML1786, dated 06/2020

I, Peter Ostermann, certify that the information on this plan is a true indication of the proposed development.

.....

Manager	Date
(Cert. of Comp. No. 2967)	

I, Richard Vetter, certify that to the best of my knowledge and belief that the Mine Workings information shown on this plan is spatially correct.

Registered Mining Surveyor
(BOSSI Id No: 8571)

GLENCORE

Integra Underground

640 Middle Falbrook Rd, Singleton NSW 2330
P.O. Box 3060 Singleton, NSW 2330
ABN: 45 605 492 804

SCALE:

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T.C.D.S.

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C.P.

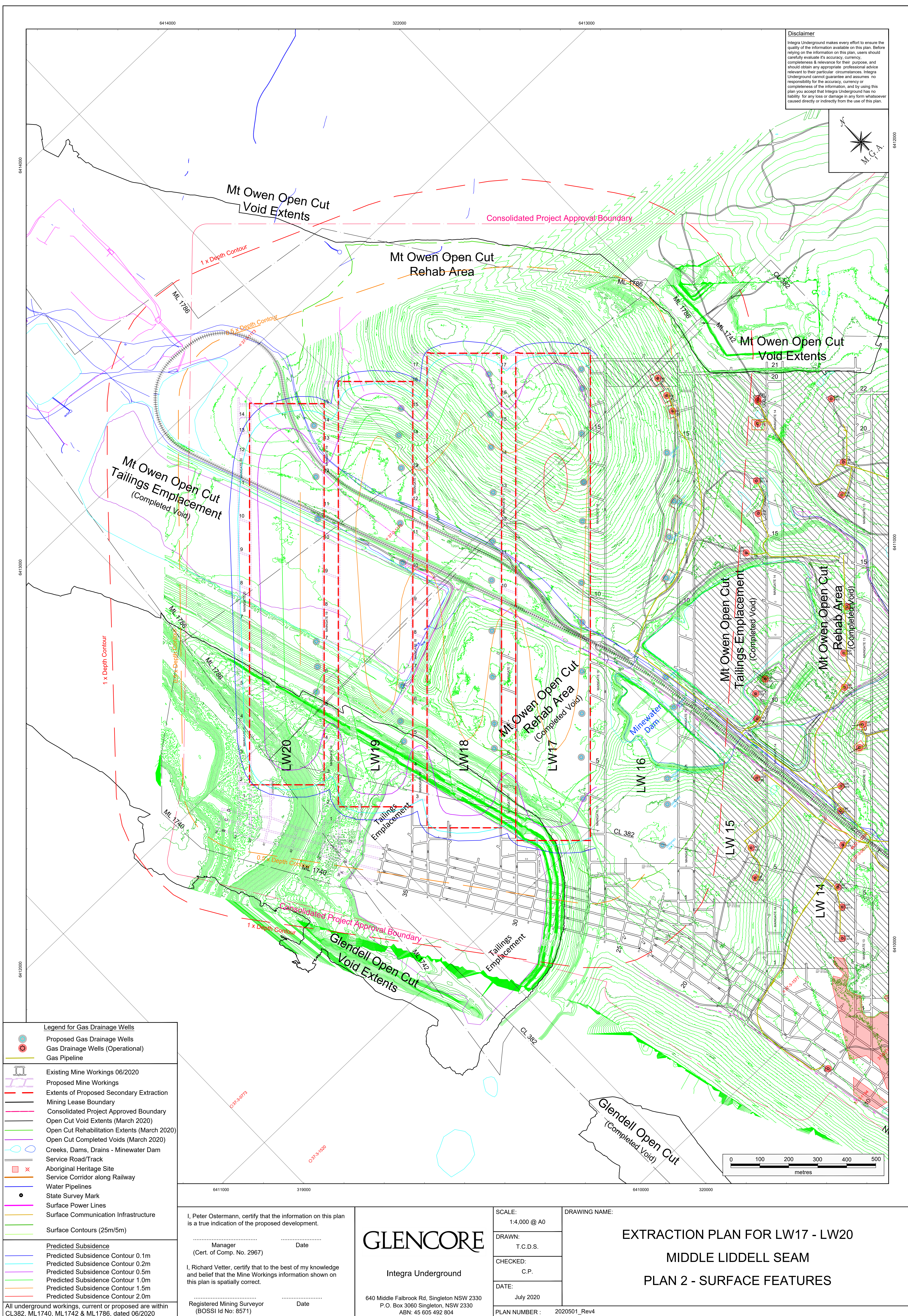
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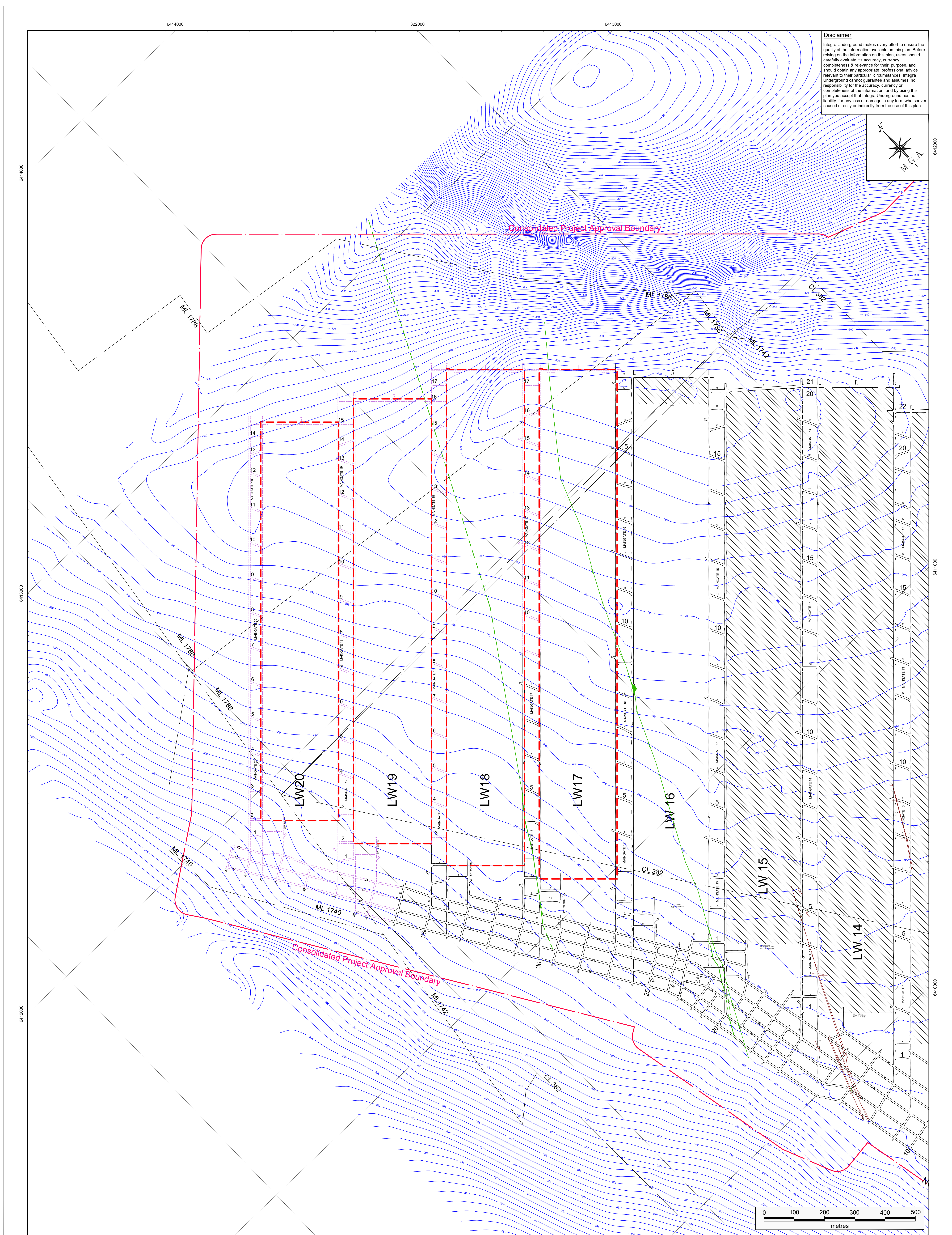
PLAN NUMBER :	2020500_Rev3
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DRAWING NAME:

EXTRACTION PLAN FOR LW17 - LW20
MIDDLE LIDDELL SEAM
PLAN 1 - WORKINGS & DIMENSIONS

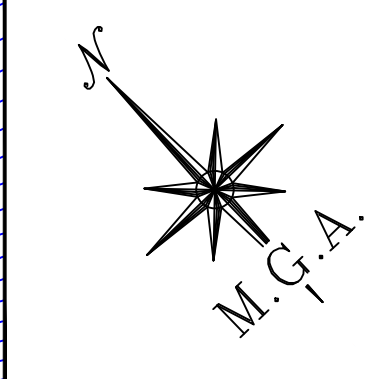
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3412000

64111000

6410000

Existing Mine Workings - 06/2020

Proposed Mine Workings

Extents of Proposed Extraction Areas

Mining Lease Boundary

Fault - Known

Fault - Inferred

Dyke- Inferred

6411000

319000

I, Peter Ostermann, certify that the information on this plan is a true indication of the proposed development.

Manager
(Cert. of Comp. No. 2967)

I, Richard Vetter, certify that to the best of my knowledge and belief that the Mine Workings information shown on this plan is spatially correct.

Registered Mining Surveyor
(BOSSI Id No: 8571)

Date

GLENCORE

Integra Underground

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ABN: 45 605 492 804

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DATE:

July 2020

PLAN NUMBER

DRAWING NAME:

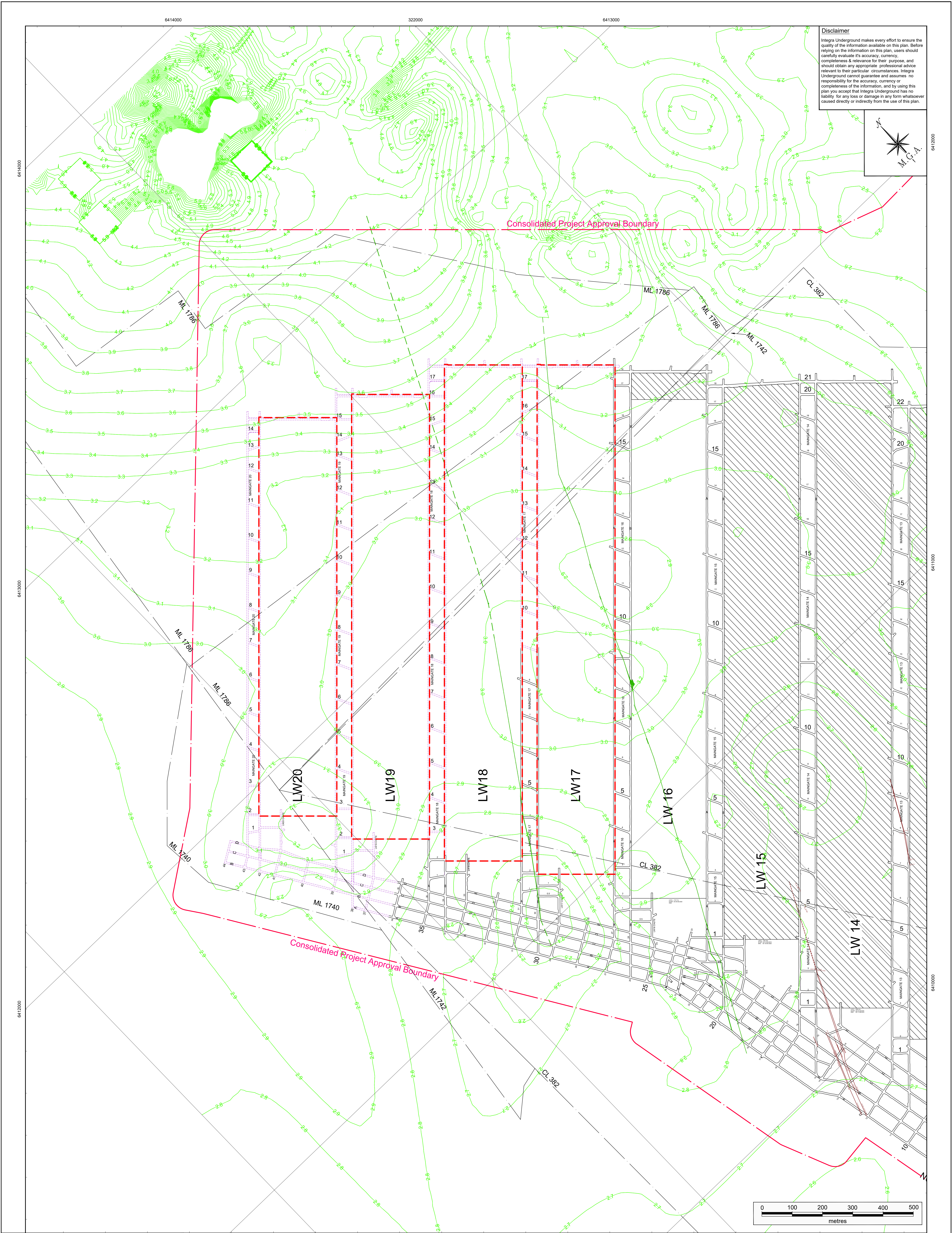
EXTRACTION PLAN FOR IW17 - IW20

MIDDLE LIDDELL SEAM

PLAN 3A

GEOLOGICAL DATA, SEAM FLOOR CONTOURS

PLAN NUMBER ·	2020502 Rev2
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	Existing Mine Workings - 06/2020
	Proposed Mine Workings
	Extents of Proposed Extraction Areas
	Mining Lease Boundary
	Consolidated Project Approved Boundary
	Fault - Known
	Fault - Inferred
	Dyke - Known
	Dyke - Inferred
	Seam Thickness Contours (0.1m)

I, Peter Ostermann, certify that the information on this plan is a true indication of the proposed development.

..... Manager
(Cert. of Comp. No. 2967)

I, Richard Vetter, certify that to the best of my knowledge and belief that the Mine Workings information shown on this plan is spatially correct.

..... Registered Mining Surveyor
(BOSSI Id No: 8571)

GLENCORE

Integra Underground

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ABN: 45 605 492 804

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DATE:
July 2020

PLAN NUMBER :
2020503_Rev2

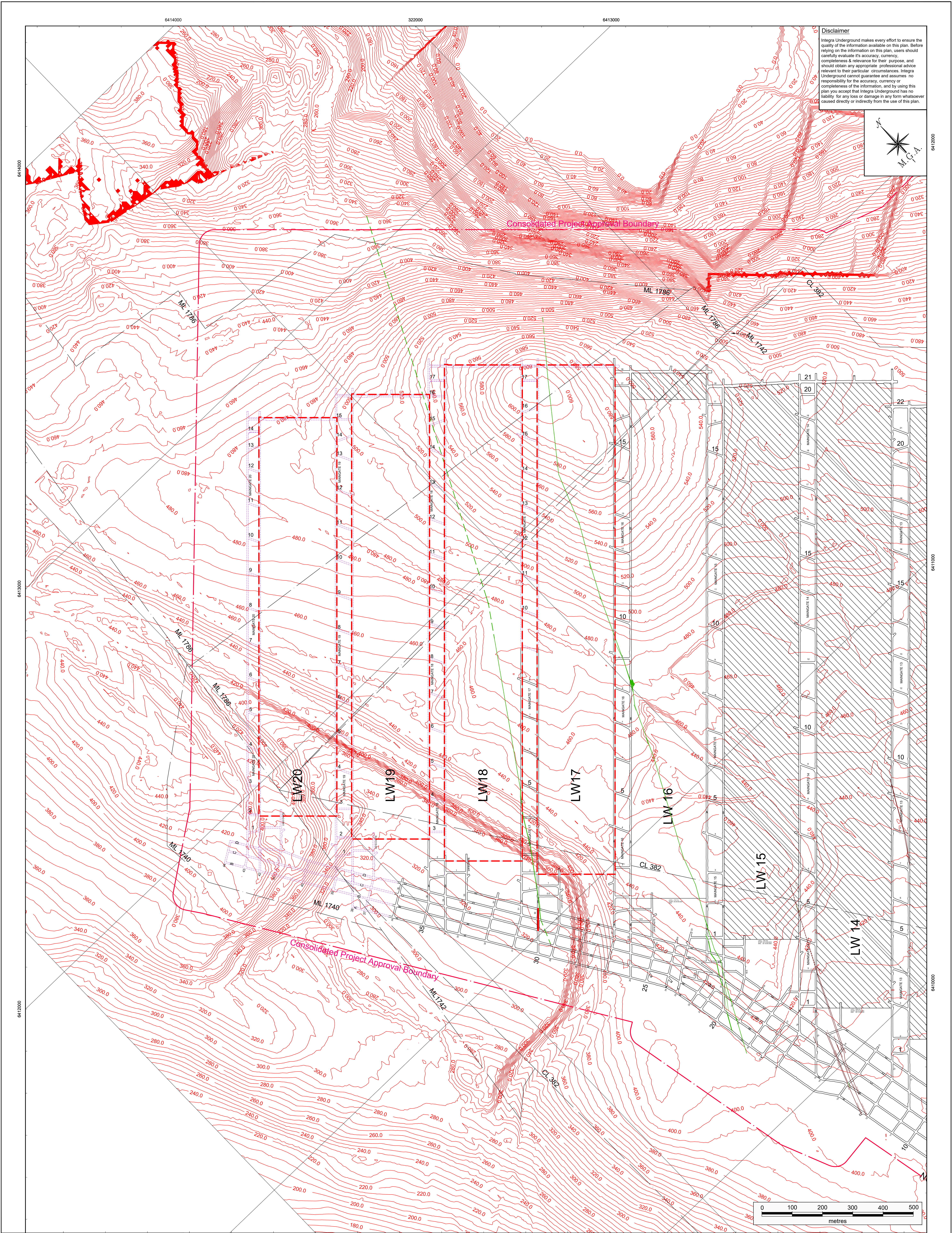
DRAWING NAME:

EXTRACTION PLAN FOR LW17 - LW20

MIDDLE LIDDELL SEAM

PLAN 3B

GEOLOGICAL DATA, SEAM THICKNESS CONTOURS



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	Existing Mine Workings - 06/2020
	Proposed Mine Workings
	Extents of Proposed Extraction Areas
	Mining Lease Boundary
	Consolidated Project Approved Boundary
	Fault - Known
	Fault - Inferred
	Dyke - Known
	Dyke - Inferred
	Depth of Cover Contours (10m)

I, Peter Ostermann, certify that the information on this plan is a true indication of the proposed development.

..... Manager
(Cert. of Comp. No. 2967) Date

I, Richard Vetter, certify that to the best of my knowledge and belief that the Mine Workings information shown on this plan is spatially correct.

..... Registered Mining Surveyor
(BOSSI Id No: 8571) Date

Integra Underground

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ABN: 45 605 492 804

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DATE:
July 2020

PLAN NUMBER :
2020504_Rev2

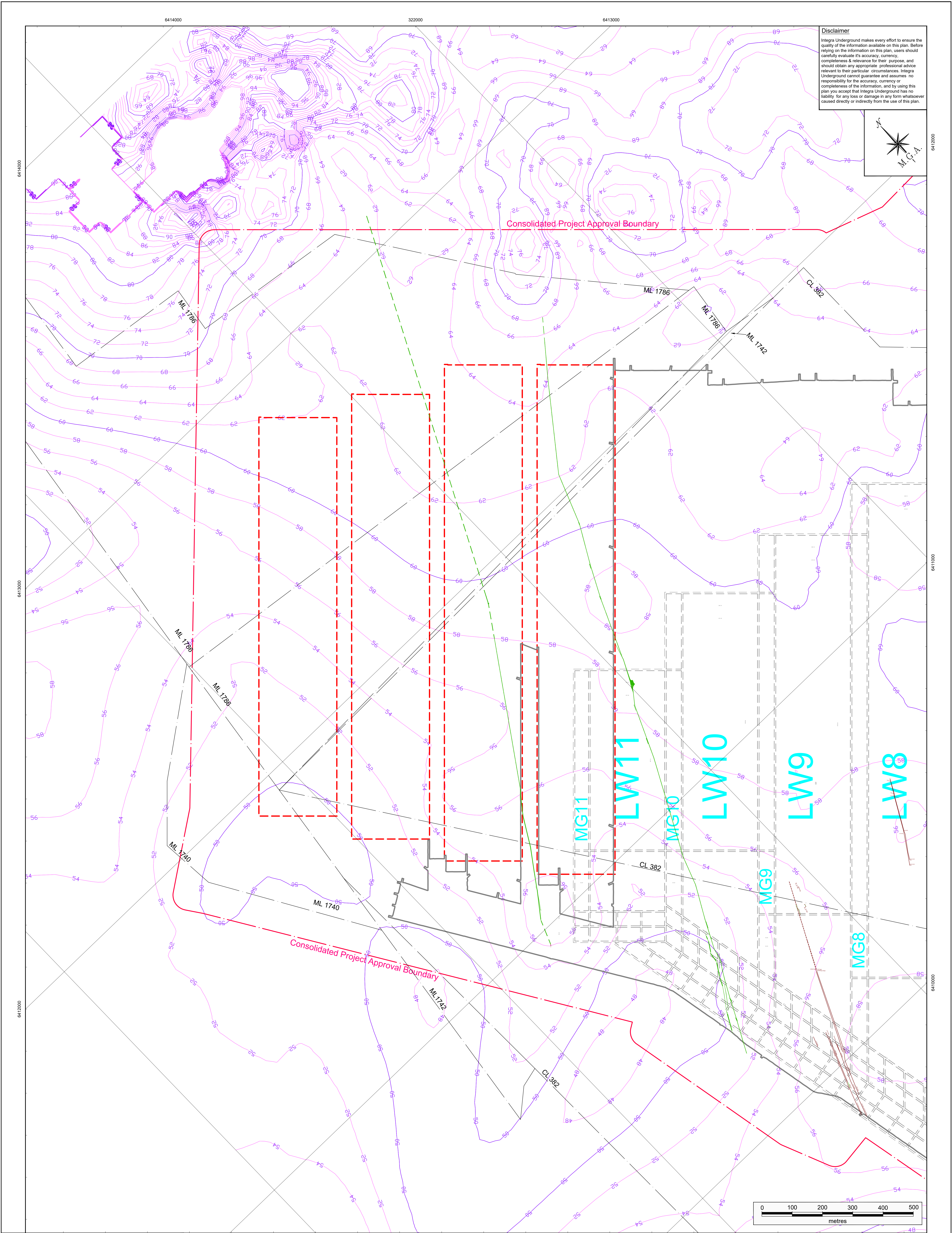
DRAWING NAME:

EXTRACTION PLAN FOR LW17 - LW20

MIDDLE LIDDELL SEAM

PLAN 3C

GEOLOGICAL DATA, DEPTH OF COVER CONTOURS



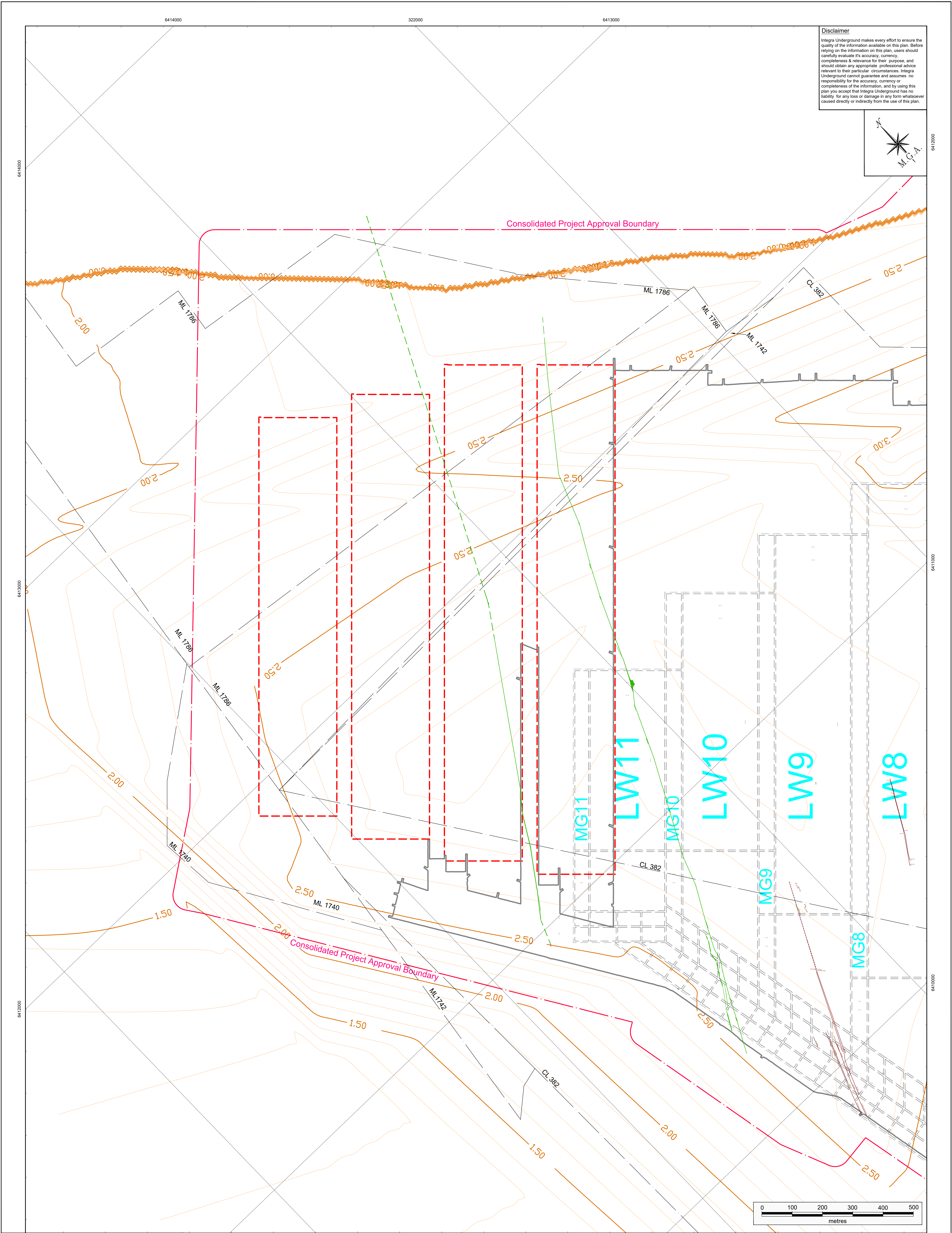
	Mine Workings Extent - Middle Liddell Seam Updated 06/2020
	Extents of Proposed Extraction Areas
	Mining Lease Boundary
	Consolidated Project Approved Boundary
	Fault - Known
	Fault - Inferred
	Dyke - Known
	Dyke - Inferred
	Interburden Contours (2m/10m)
	Middle Liddell Seam to Hebdon Seam

Geological Structures shown relate to Middle Liddell Seam

I, Peter Ostermann, certify that the information on this plan is a true indication of the proposed development.	
..... Manager (Cert. of Comp. No. 2967)	 Date
I, Richard Vetter, certify that to the best of my knowledge and belief that the Mine Workings information shown on this plan is spatially correct.	
..... Registered Mining Surveyor (BOSSI Id No: 8571)	 Date

 GLENCORE Integra Underground 640 Middle Falbrook Rd, Singleton NSW 2330 P.O. Box 3060 Singleton, NSW 2330 ABN: 45 605 492 804	SCALE: 1:4,000 @ A0
	DRAWN: T.C.D.S.
	CHECKED: C.P.
	DATE: July 2020
	PLAN NUMBER : 2020505_Rev3

DRAWING NAME: EXTRACTION PLAN FOR LW17 - LW20 MIDDLE LIDDELL SEAM PLAN 4A - HEBDEN SEAM GEOLOGICAL DATA - INTERBURDEN CONTOURS
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	Mine Workings Extent - Middle Liddell Seam Updated 06/2020
	Extents of Proposed Extraction Areas
	Mining Lease Boundary
	Consolidated Project Approved Boundary
	Fault - Known
	Fault - Inferred
	Dyke - Known
	Dyke - Inferred
	Seam Thickness Contours (0.1m/0.5m)

Geological Structures shown relate to Middle Liddell Seam

I, Peter Ostermann, certify that the information on this plan is a true indication of the proposed development.

..... Manager Date
(Cert. of Comp. No. 2967)

I, Richard Vetter, certify that to the best of my knowledge and belief that the Mine Workings information shown on this plan is spatially correct.

..... Registered Mining Surveyor Date
(BOSSI Id No: 8571)

Integra Underground

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P.O. Box 3060 Singleton, NSW 2330
ABN: 45 605 492 804

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C.P.

DATE:
July 2020

PLAN NUMBER : 2020506_Rev3

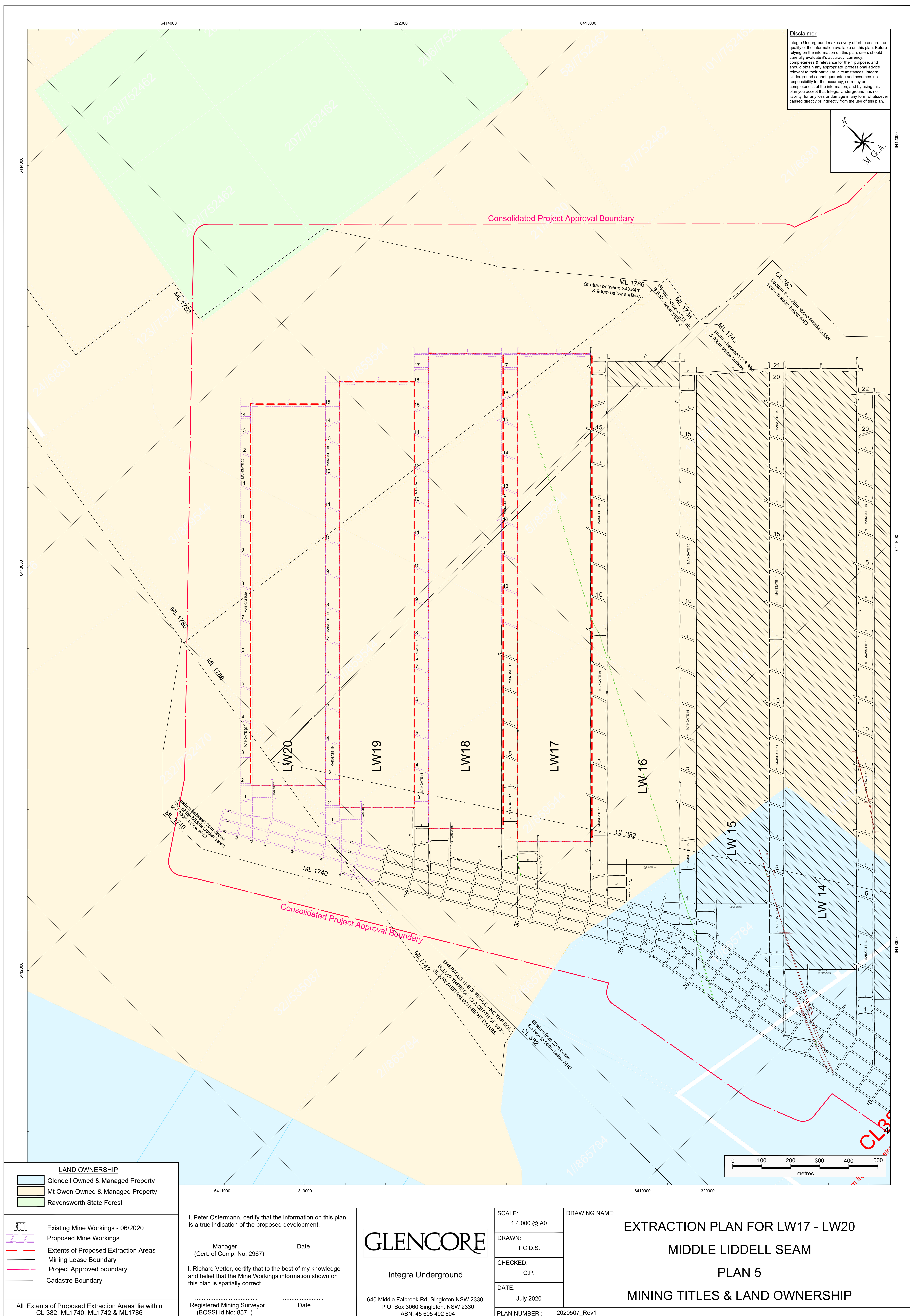
DRAWING NAME:

EXTRACTION PLAN FOR LW17 - LW20

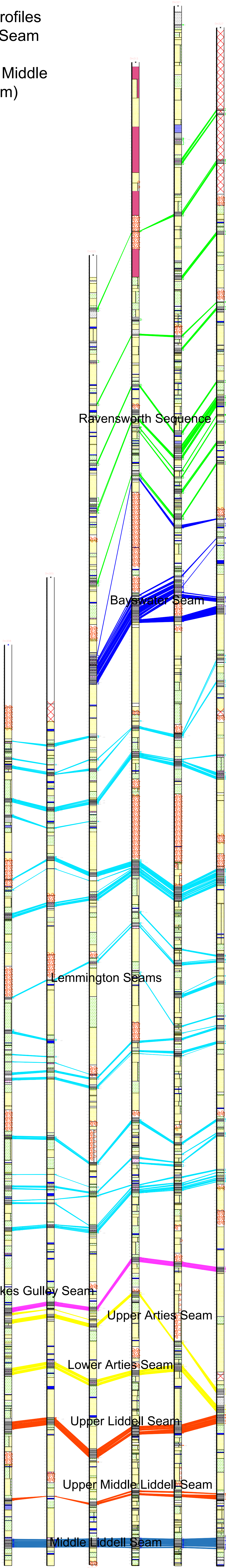
MIDDLE LIDDELL SEAM

PLAN 4B - HEBDEN SEAM

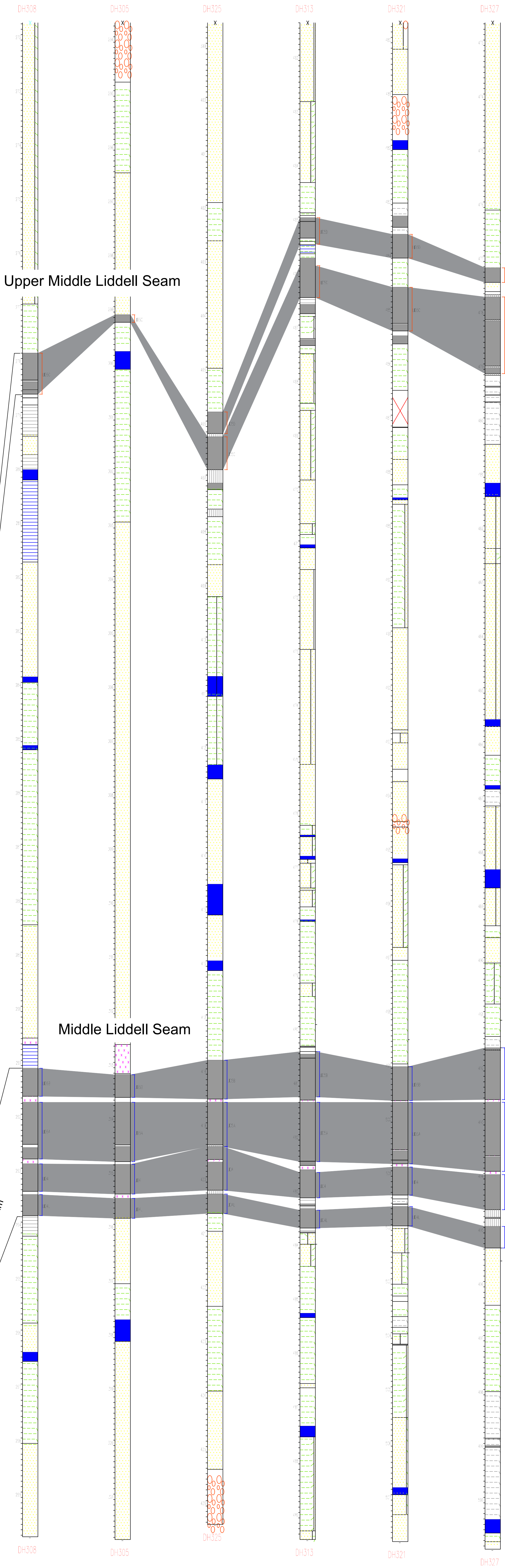
GEOLOGICAL DATA - SEAM THICKNESS CONTOURS



INTEGRA
Borehole Profiles
Surface to Seam
Lithology
(Aligned to Middle
Liddell Seam)

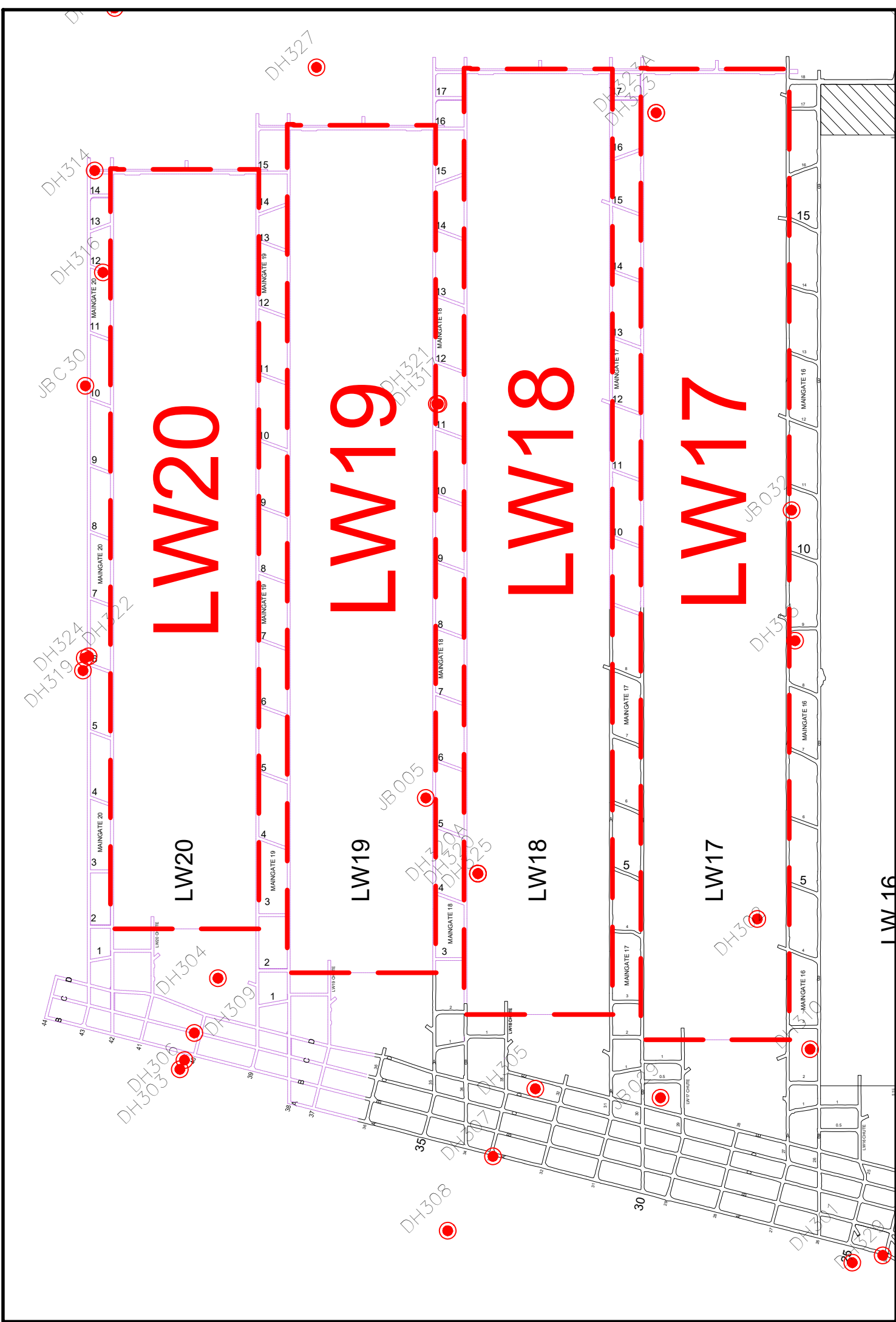


INTEGRA
Borehole Profiles
20m of roof
Lithology
(Aligned to Middle
Liddell Seam)



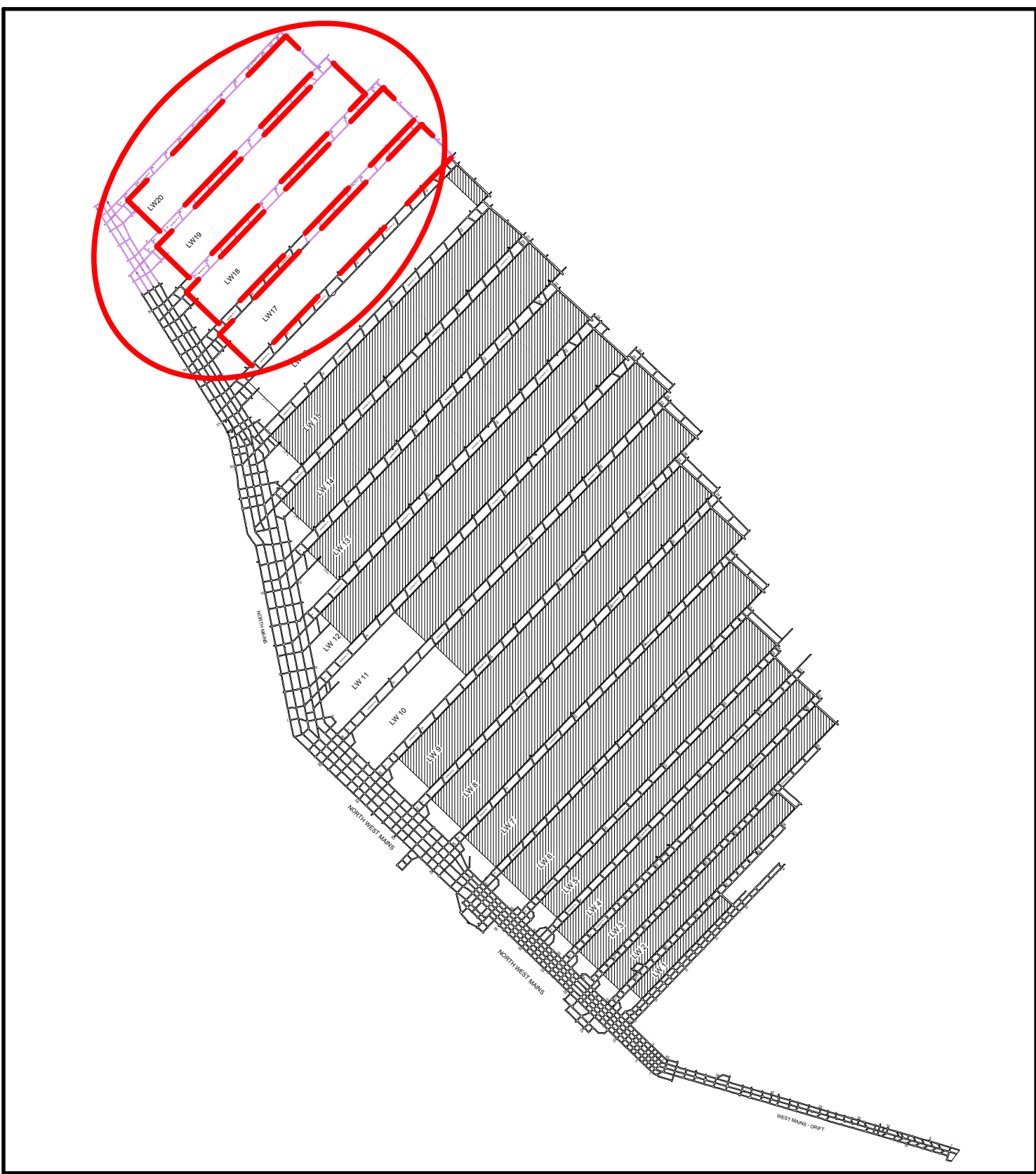
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Location Detail



Surface Boreholes
Middle Liddell Seam
Extraction Area - LW17 - LW20

Location Plan



Legend
Lithology Reference

	CONGLOMERATE		CARBONACEOUS SHALE
	SANDSTONE		CARBONACEOUS MUDSTONE
	SILTSTONE		CARBONACEOUS CLAYSTONE
	COAL		SIDERITE
	TUFF		IGNEOUS
	MUDSTONE		NO RECORD

Existing Mine Workings
Secondary Mine Workings
Proposed Mine Workings
Extents of Proposed Secondary Extraction

I, Peter Ostermann, certify that the information on this plan is a true indication of the proposed development.
Manager
(Cert. of Comp. No. 2967)
Date
I, Richard Vetter, certify that to the best of my knowledge and belief that the information shown on this plan is spatially correct.
Registered Mining Surveyor
(BOSSI Id No: 8289)
Date

GLENCORE
Integra Underground
640 Middle Falbrook Rd, Singleton NSW 2330
P.O. Box 3060 Singleton, NSW 2330
ABN: 45 605 492 804

SCALE: NTS
DRAWN: M.A.S
CHECKED: A.M
DATE: JULY 2020
PLAN NUMBER : 2020501_Rev1

DRAWING NAME:
EXTRACTION PLAN FOR LW17 - LW20
MIDDLE LIDDELL SEAM
PLAN 6 - Geological Logs

