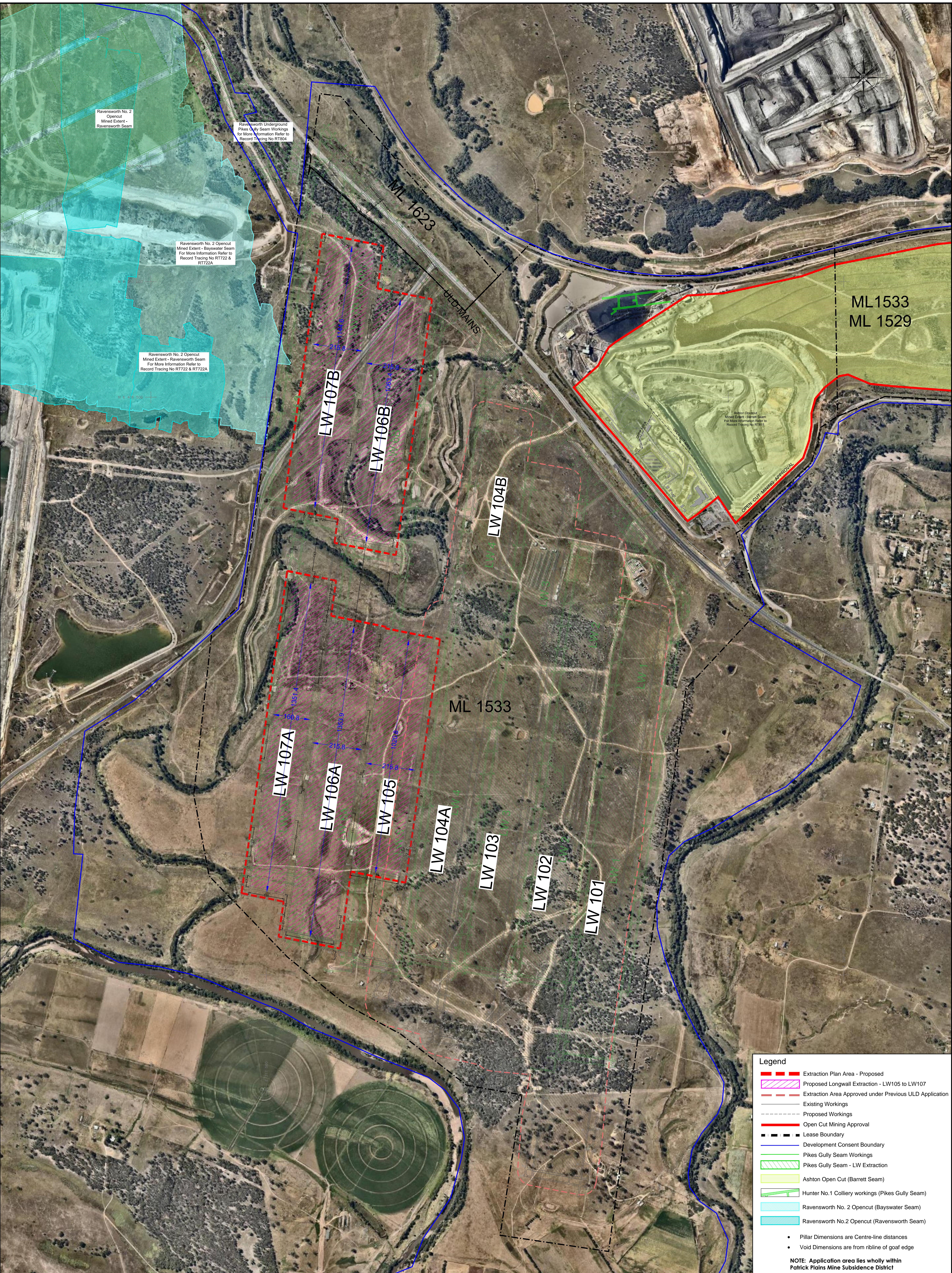




VOLUME 3

GRAPHICAL PLANS



Ravensworth No. 2 Opencut - Mined Extent - Ravensworth Seam

Ravensworth Underground Pikes Gully Seam Workings For More Information Refer to Record Tracing No RT804

Ravensworth No. 2 Opencut Mined Extent - Bayswater Seam For More Information Refer to Record Tracing No RT722 & RT722A

Ravensworth No. 2 Opencut Mined Extent - Ravensworth Seam For More Information Refer to Record Tracing No RT722 & RT722A

Ashton Opencut Mined Extent - Bayswater Seam For More Information Refer to Record Tracing No RT814

OPEN CUT MINING APPROVAL

- Legend**
- Extraction Plan Area - Proposed
 - Proposed Longwall Extraction - LW105 to LW107
 - Extraction Area Approved under Previous ULD Application
 - Existing Workings
 - Proposed Workings
 - Open Cut Mining Approval
 - Lease Boundary
 - Development Consent Boundary
 - Pikes Gully Seam Workings
 - Pikes Gully Seam - LW Extraction
 - Ashton Open Cut (Barrett Seam)
 - Hunter No.1 Colliery workings (Pikes Gully Seam)
 - Ravensworth No. 2 Opencut (Bayswater Seam)
 - Ravensworth No.2 Opencut (Ravensworth Seam)

• Pillar Dimensions are Centre-line distances
• Void Dimensions are from ribline of goaf edge

NOTE: Application area lies wholly within Patrick Plains Mine Subsidence District



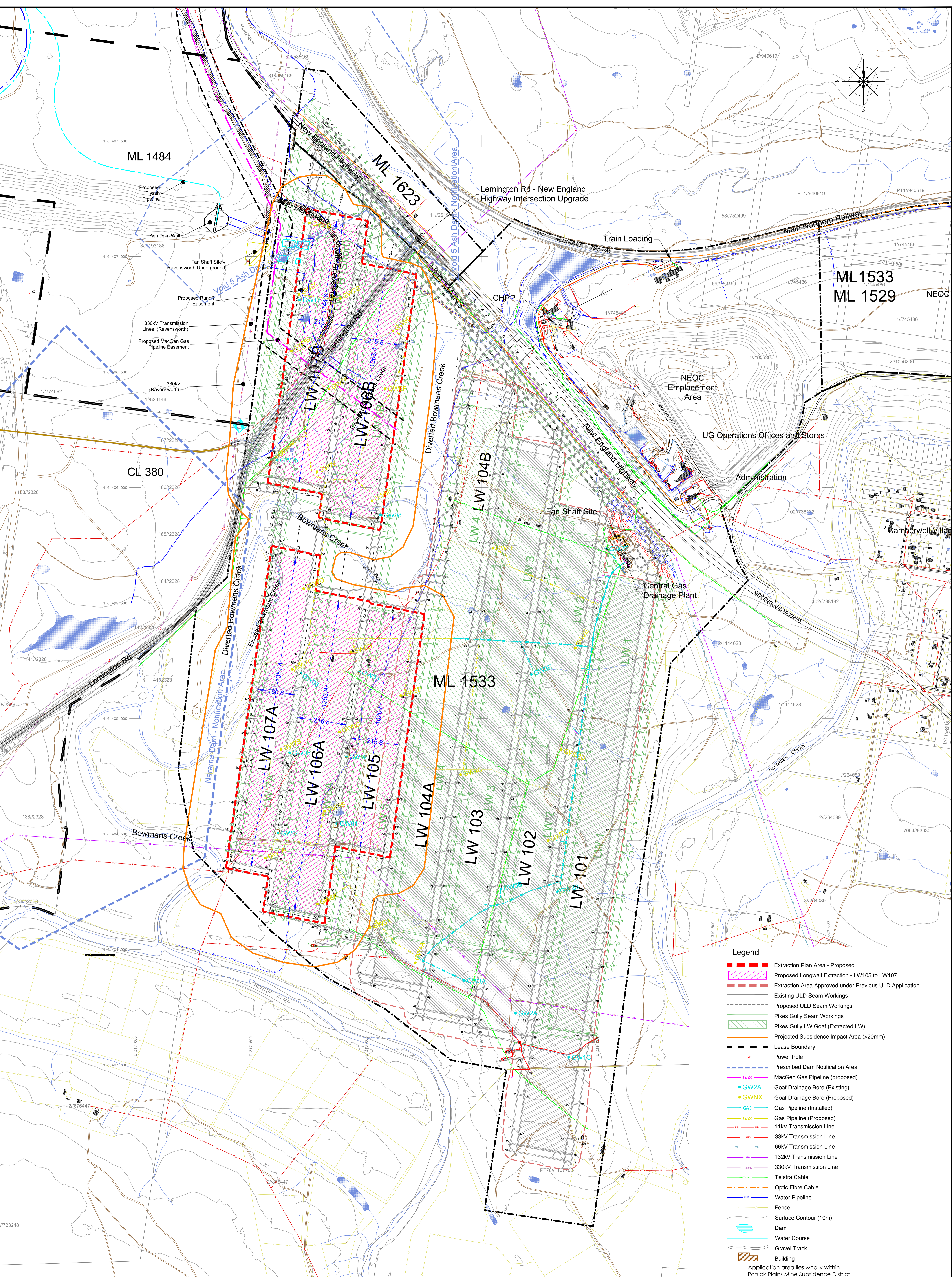
All measurements are in metres

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ASHTON UNDERGROUND MINE
LW105 to LW107 - UPPER LIDDELL SEAM
PLAN No.1B - Extraction Area Boundary - Aerial

Date 19/11/2015	Scale 1:5000	Drawn JJP	Checked JB	Approved WF	Drawing No. B-4041-1B
					Revision No. 3
					Sheet Size A0

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ML 1484

ML 1623

ML 1533
ML 1529

CL 380

ML 1533

LW 107A

LW 106A

LW 105

LW 104A

LW 103

LW 102

LW 101

- Legend**
- Extraction Plan Area - Proposed
 - Proposed Longwall Extraction - LW105 to LW107
 - Extraction Area Approved under Previous ULD Application
 - Existing ULD Seam Workings
 - Proposed ULD Seam Workings
 - Pikes Gully Seam Workings
 - Pikes Gully LW Goaf (Extracted LW)
 - Projected Subsidence Impact Area (>20mm)
 - Lease Boundary
 - Power Pole
 - Prescribed Dam Notification Area
 - MacGen Gas Pipeline (proposed)
 - Goaf Drainage Bore (Existing)
 - Goaf Drainage Bore (Proposed)
 - Gas Pipeline (Installed)
 - Gas Pipeline (Proposed)
 - 11kV Transmission Line
 - 33kV Transmission Line
 - 66kV Transmission Line
 - 132kV Transmission Line
 - 330kV Transmission Line
 - Telstra Cable
 - Optic Fibre Cable
 - Water Pipeline
 - Fence
 - Surface Contour (10m)
 - Dam
 - Water Course
 - Gravel Track
 - Building
- Application area lies wholly within Patrick Plains Mine Subsidence District

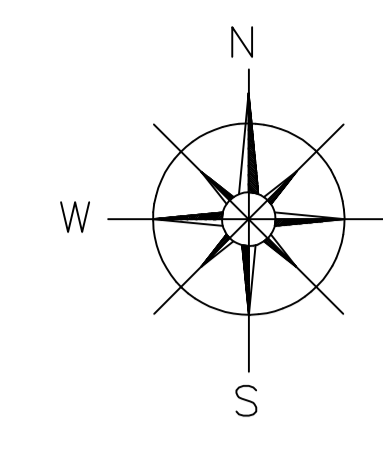
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All measurements are in metres

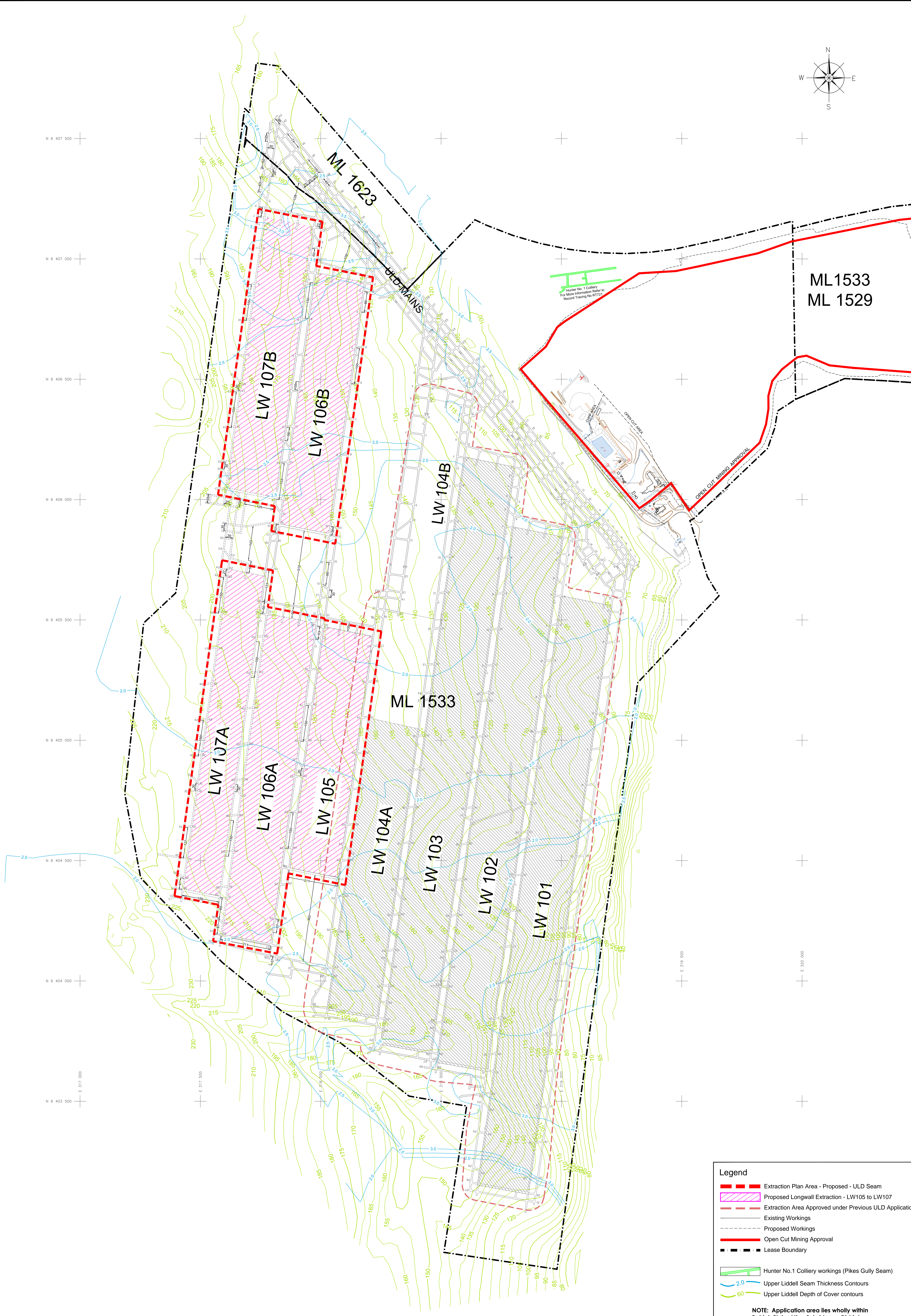
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ASHTON UNDERGROUND MINE
PROPOSED LW105 to LW107 - UPPER LIDDELL SEAM
PLAN No.2 - Surface Features

Date	Scale	Drawn	Checked	Approved	Drawing No.
23/11/2015	1:5000	JIP	JB	WF	B-4042
					Revision No.
					4
					Sheet Size
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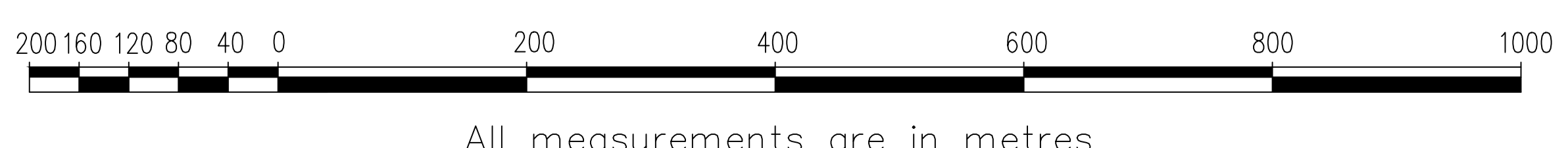
Hunter No. 1 Colliery
For More Information Refer to
Records Tracing No RT171

OPEN CUT MINING APPROVAL

Legend

- Extraction Plan Area - Proposed - ULD Seam
- Proposed Longwall Extraction - LW105 to LW107
- Extraction Area Approved under Previous ULD Application
- Existing Workings
- Proposed Workings
- Open Cut Mining Approval
- Lease Boundary
- Hunter No.1 Colliery workings (Pikes Gully Seam)
- Upper Liddell Seam Thickness Contours
- Upper Liddell Depth of Cover contours

NOTE: Application area lies wholly within Patrick Plains Mine Subsidence District



All measurements are in metres

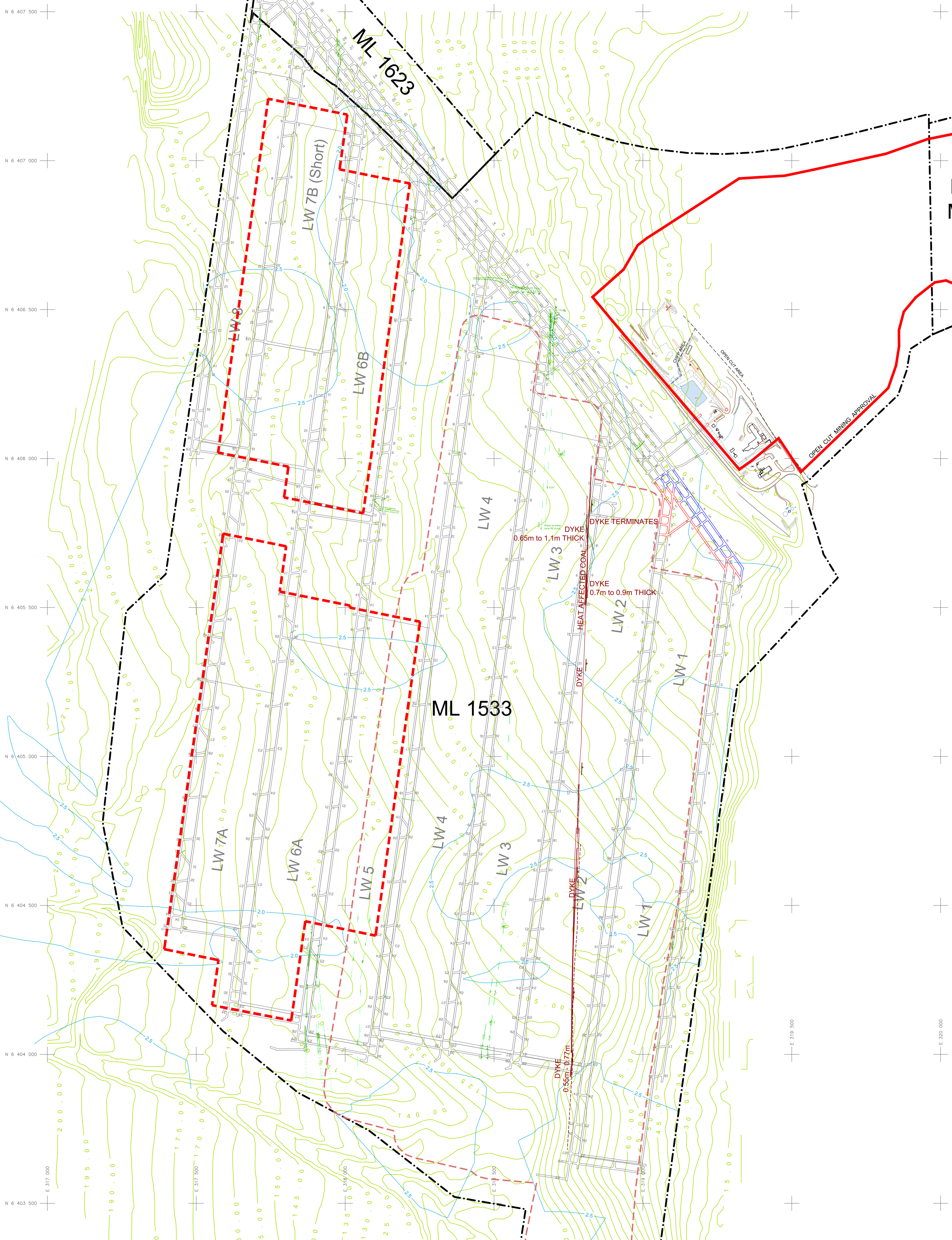
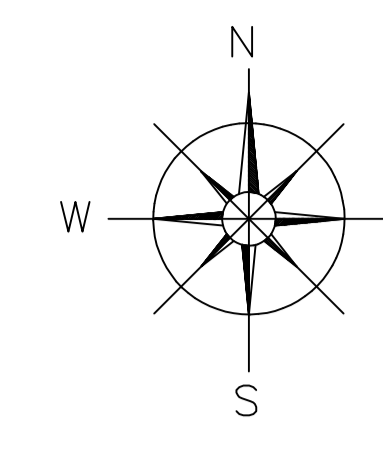
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ASHTON UNDERGROUND MINE
PROPOSED LW105 to LW107 - UPPER LIDDELL SEAM
Plan No.3 - Upper Liddell - Seam Thickness & Depth of Cover Contours

Date 19/11/2015	Scale: 1:5000	Drawn JJP	Checked JB	Approved WF
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Drawing No. B-4043
Revision No. 3
Sheet Size A0

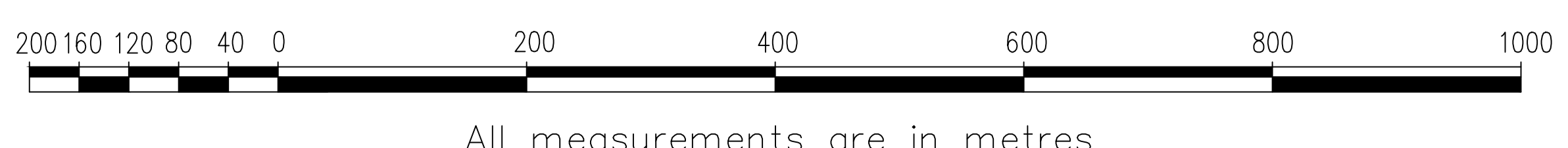
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Legend

- Extraction Plan Area - Proposed - ULD Seam
- Extraction Area Approved under Previous ULD Application
- Existing Workings - Pikes Gully Seam
- Open Cut Mining Approval
- Lease Boundary
- Pikes Gully Seam Thickness Contours
- Pikes Gully Seam Depth of Cover Contours
- Dyke - Pikes Gully Seam
- Fault - Pikes Gully Seam

Application area lies wholly within Patrick Plains Mine Subsidence District



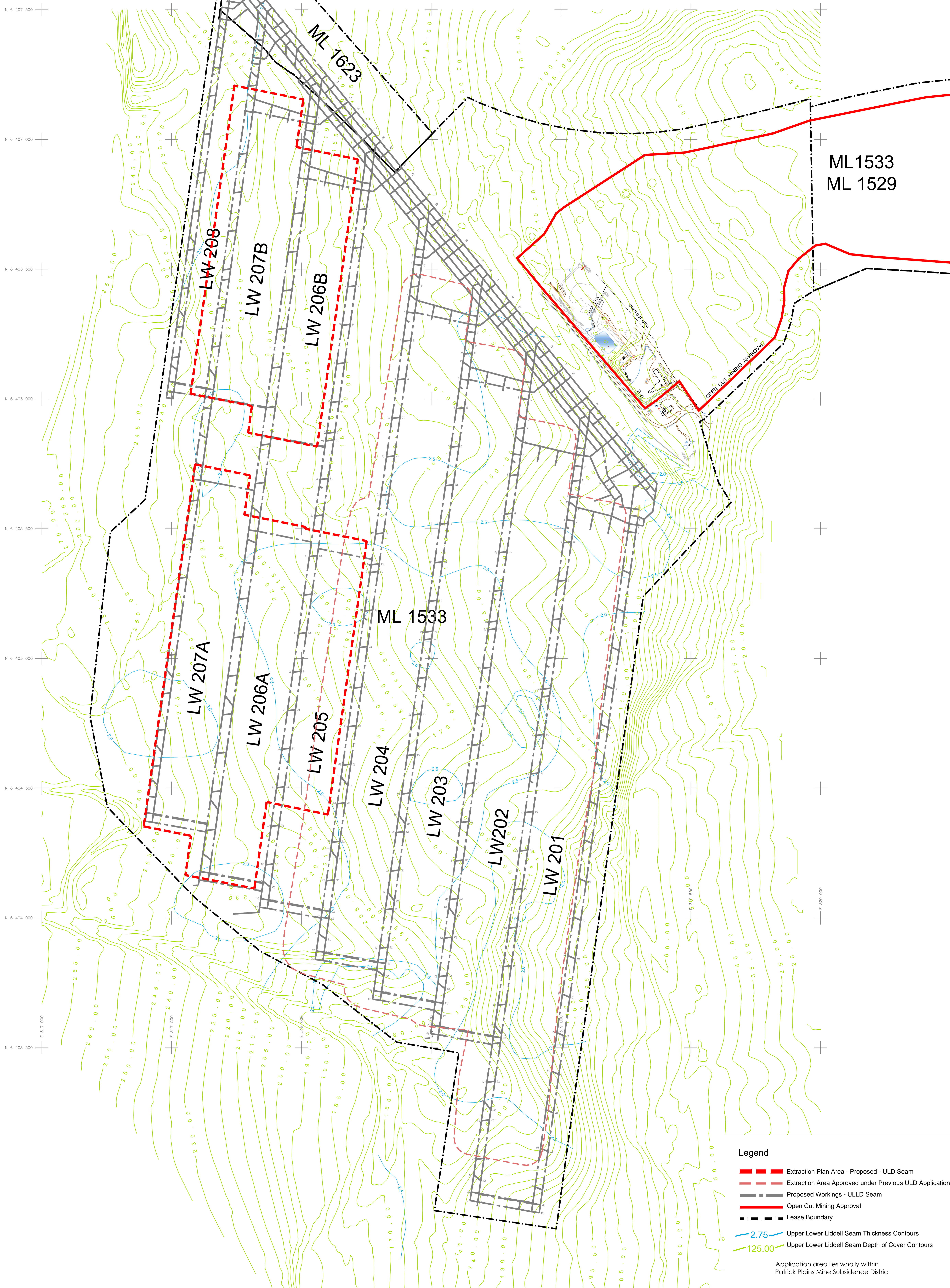
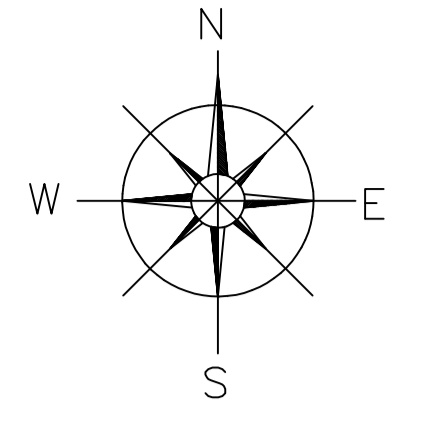
All measurements are in metres

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ASHTON UNDERGROUND MINE				
PROPOSED LW105 to LW107 - UPPER LIDDELL SEAM				
PLAN No.4a - Pikes Gully Seam Thickness & Depth of Cover Contours				
Date	Scale:	Drawn	Checked	Approved
19/11/2015	1:5000	JJP	JB	WF

Drawing No.	B-4044
Revision No.	3
Sheet Size	A0

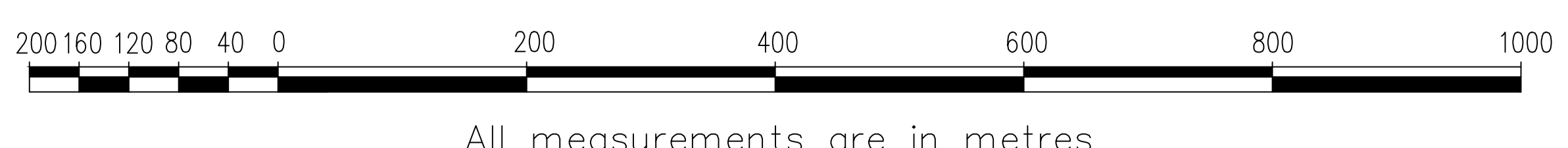
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N 6 403 500

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E 317 500
E 318 000
E 318 500
E 320 000

- Legend**
- — — Extraction Plan Area - Proposed - ULD Seam
 - - - Extraction Area Approved under Previous ULD Application
 - — — Proposed Workings - ULLD Seam
 - Open Cut Mining Approval
 - - - - - Lease Boundary
 - 2.75 Upper Lower Liddell Seam Thickness Contours
 - 125.00 Upper Lower Liddell Seam Depth of Cover Contours
- Application area lies wholly within Patrick Plains Mine Subsidence District



All measurements are in metres

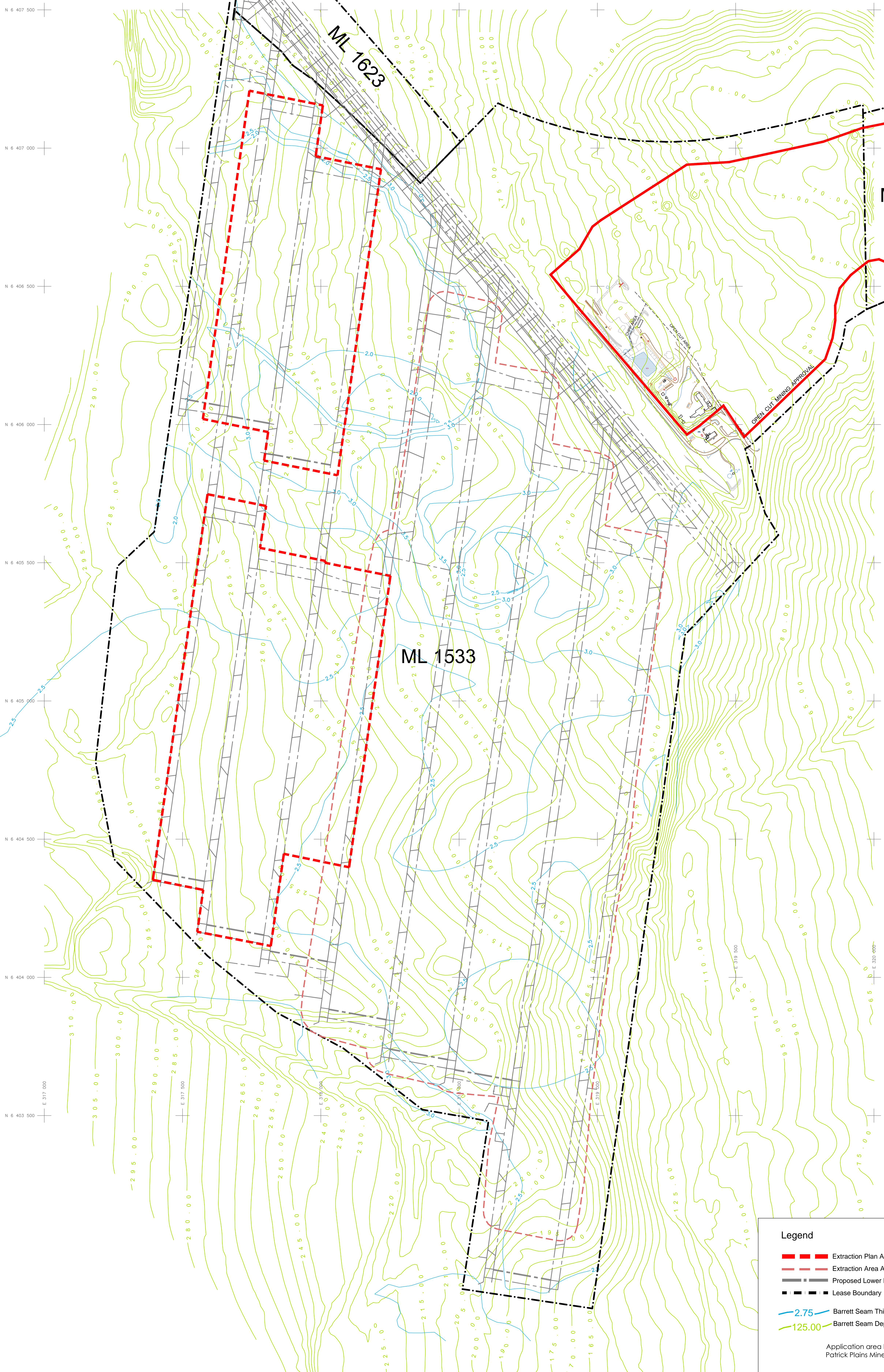
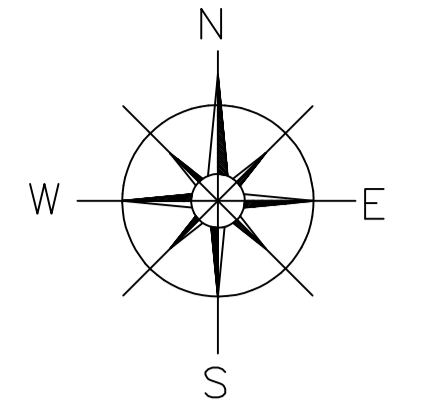
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ASHTON UNDERGROUND MINE
PROPOSED LW105 to LW107 - UPPER LIDDELL SEAM
PLAN No.4b - Upper Lower Liddell Seam Thickness & Depth of Cover Contours

Date	Scale:	Drawn	Checked	Approved
19/11/2015	1:5000	JJP	JB	WF

Drawing No.	B-4045
Revision No.	3
Sheet Size	A0

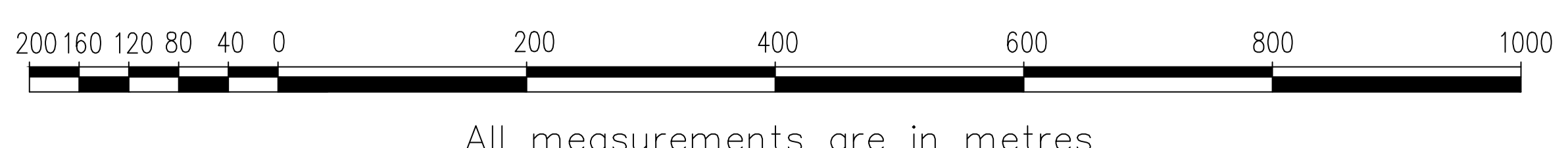
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Legend

- Extraction Plan Area - Proposed - ULD Seam
- - - Extraction Area Approved under ULD Previous Application
- - - Proposed Lower Barrett Seam Workings
- - - Lease Boundary
- 2.75 Barrett Seam Thickness Contours
- 125.00 Barrett Seam Depth of Cover Contours

Application area lies wholly within Patrick Plains Mine Subsidence District



All measurements are in metres

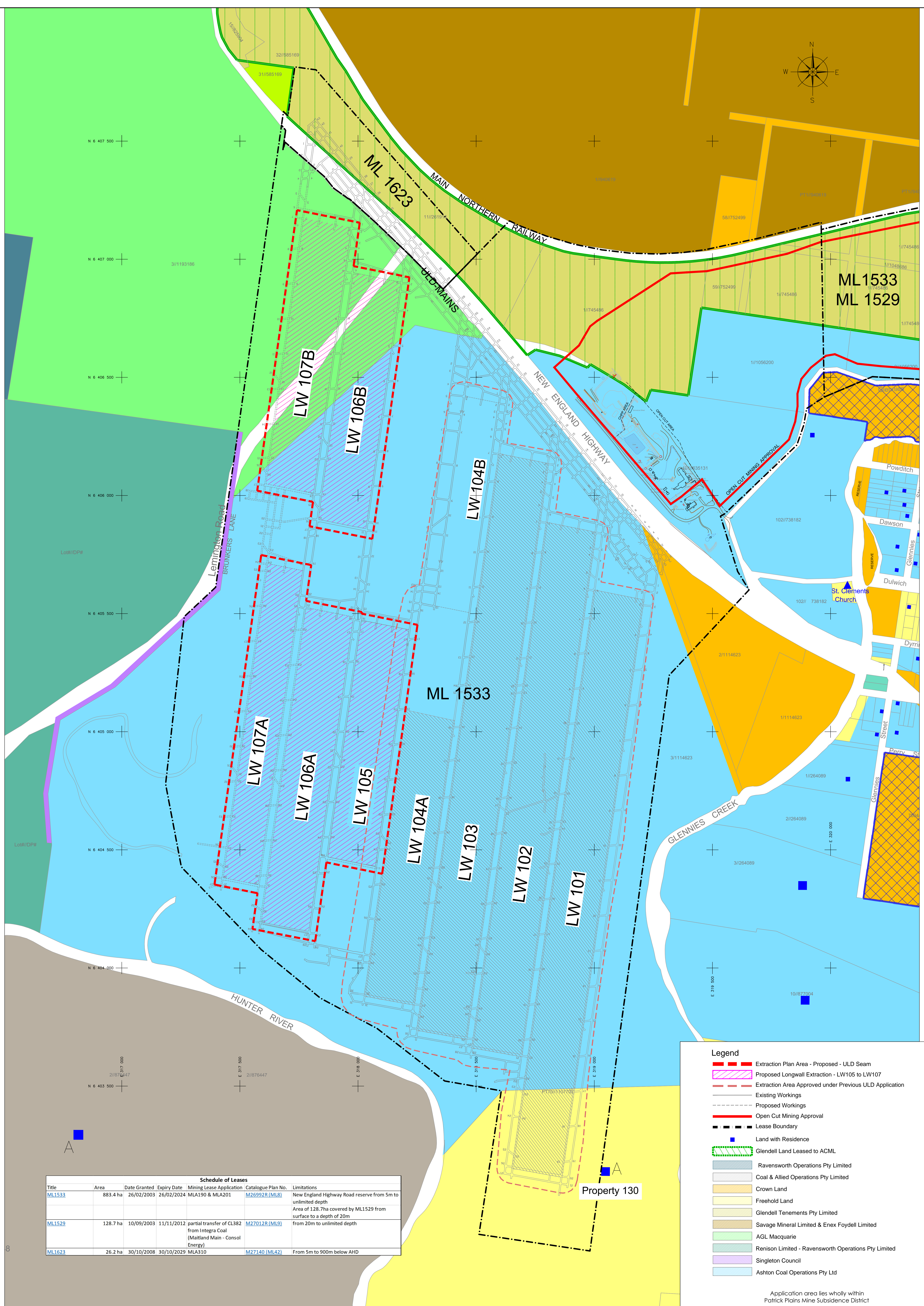
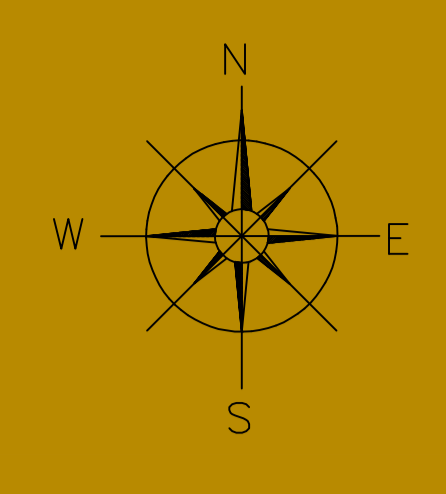
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ASHTON UNDERGROUND MINE
PROPOSED LW105 to LW107 - UPPER LIDDELL SEAM
PLAN No.4c - Lower Barrett Seam Thickness & Depth of Cover Contours

Date	Scale:	Drawn	Checked	Approved
19/11/2015	1:5000	JJP	JB	WF

Drawing No.	B-4046
Revision No.	3
Sheet Size	A0

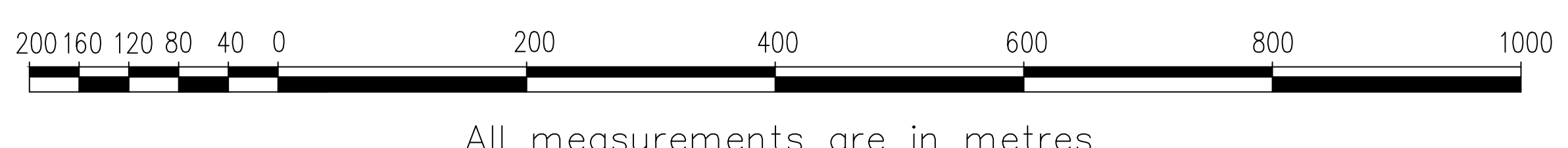
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Legend

- ▬ Extraction Plan Area - Proposed - ULD Seam
- ▬ Proposed Longwall Extraction - LW105 to LW107
- ▬ Extraction Area Approved under Previous ULD Application
- ▬ Existing Workings
- ▬ Proposed Workings
- ▬ Open Cut Mining Approval
- ▬ Lease Boundary
- Land with Residence
- ▬ Glendell Land Leased to ACML
- Ravensworth Operations Pty Limited
- Coal & Allied Operations Pty Limited
- Crown Land
- Freehold Land
- Glendell Tenements Pty Limited
- Savage Mineral Limited & Enex Foydell Limited
- AGL Macquarie
- Renison Limited - Ravensworth Operations Pty Limited
- Singleton Council
- Ashton Coal Operations Pty Ltd

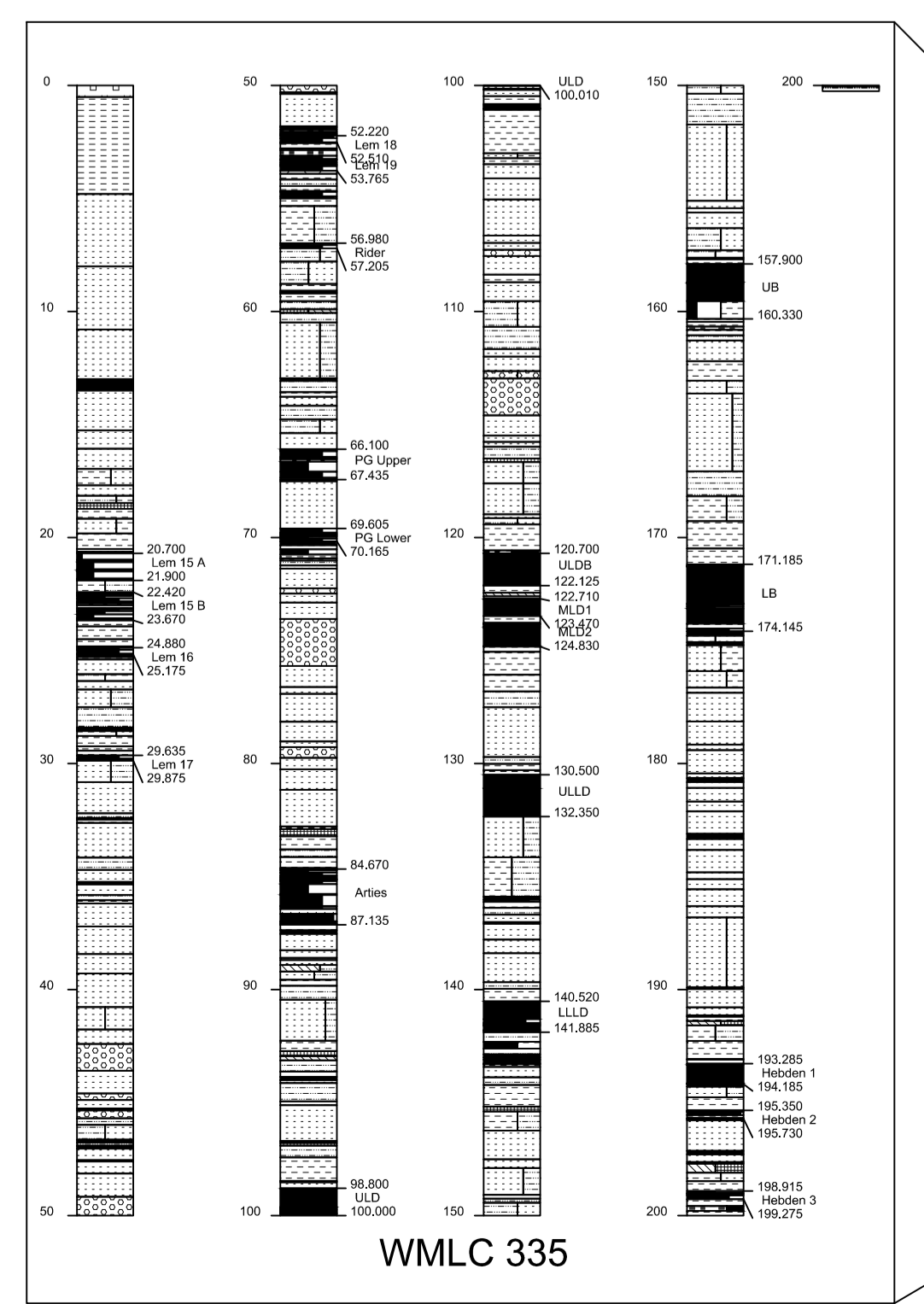
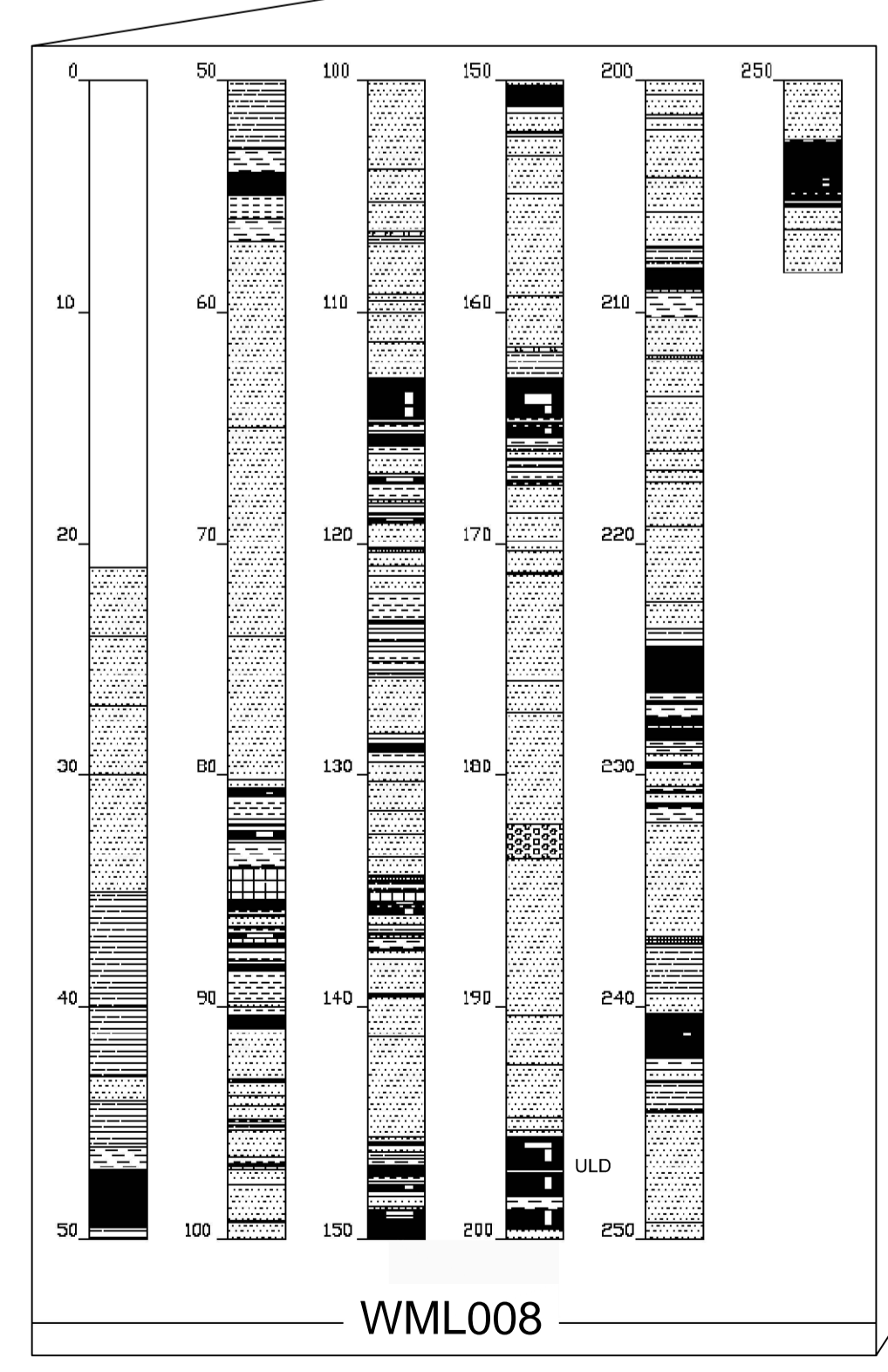
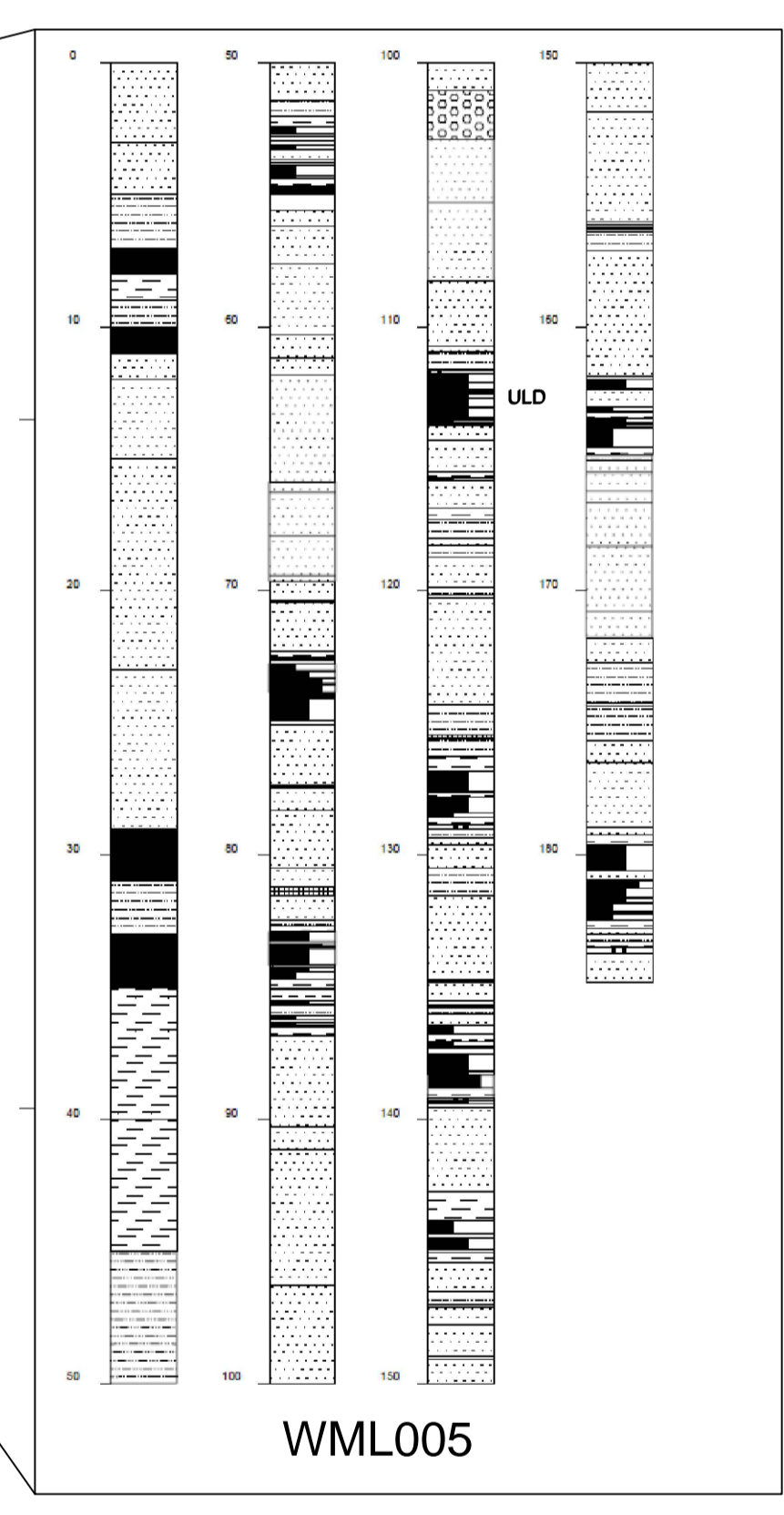
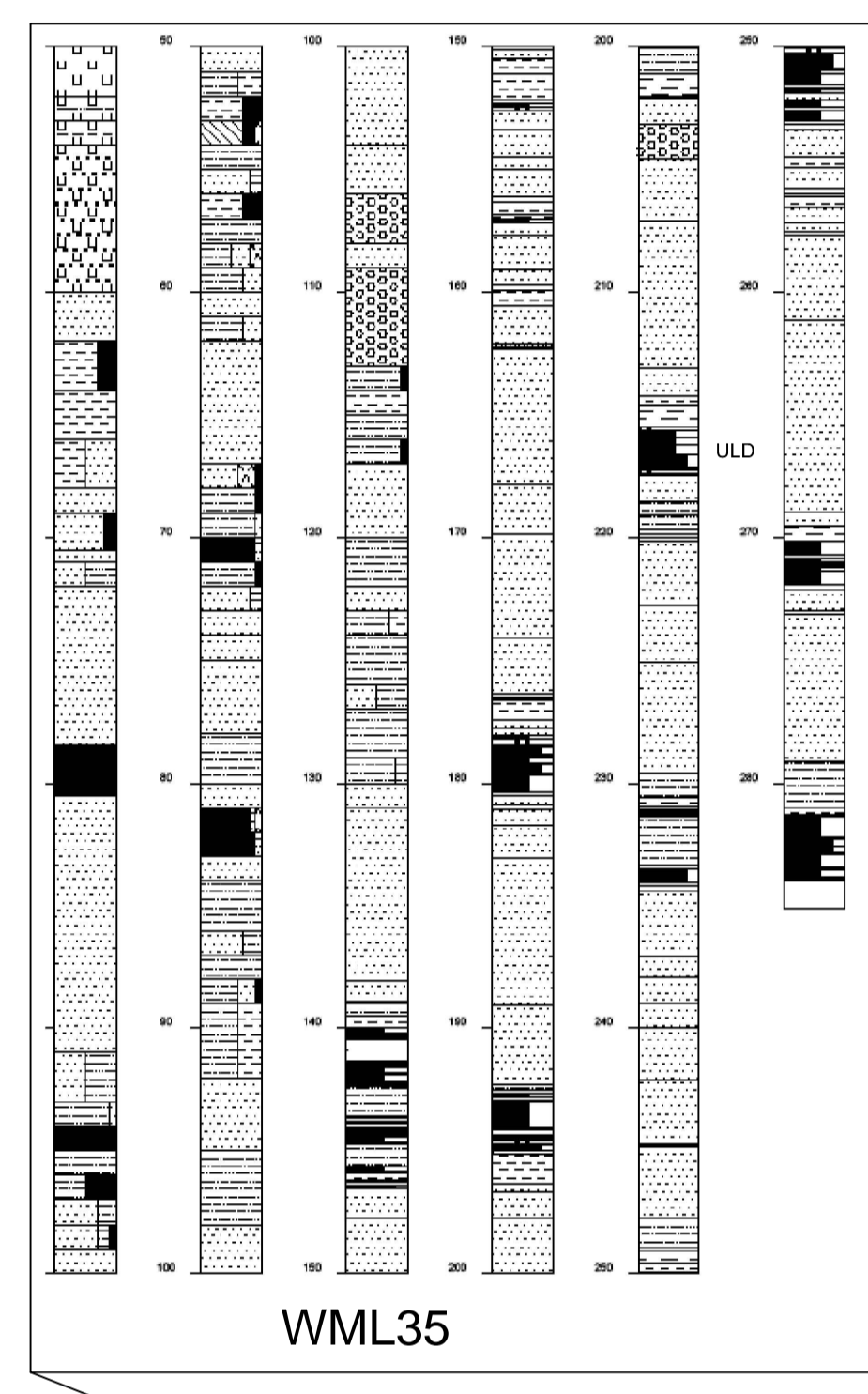
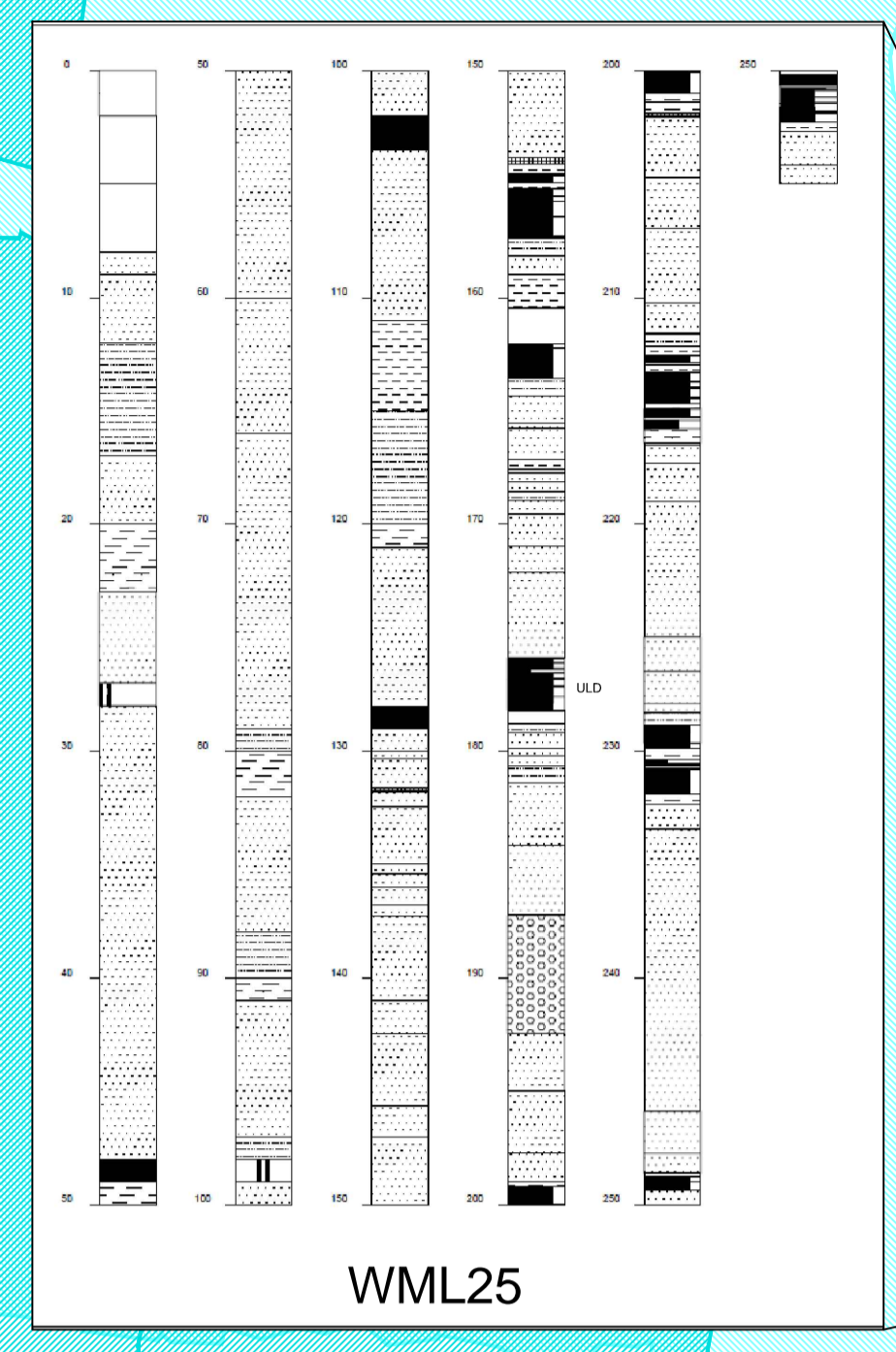
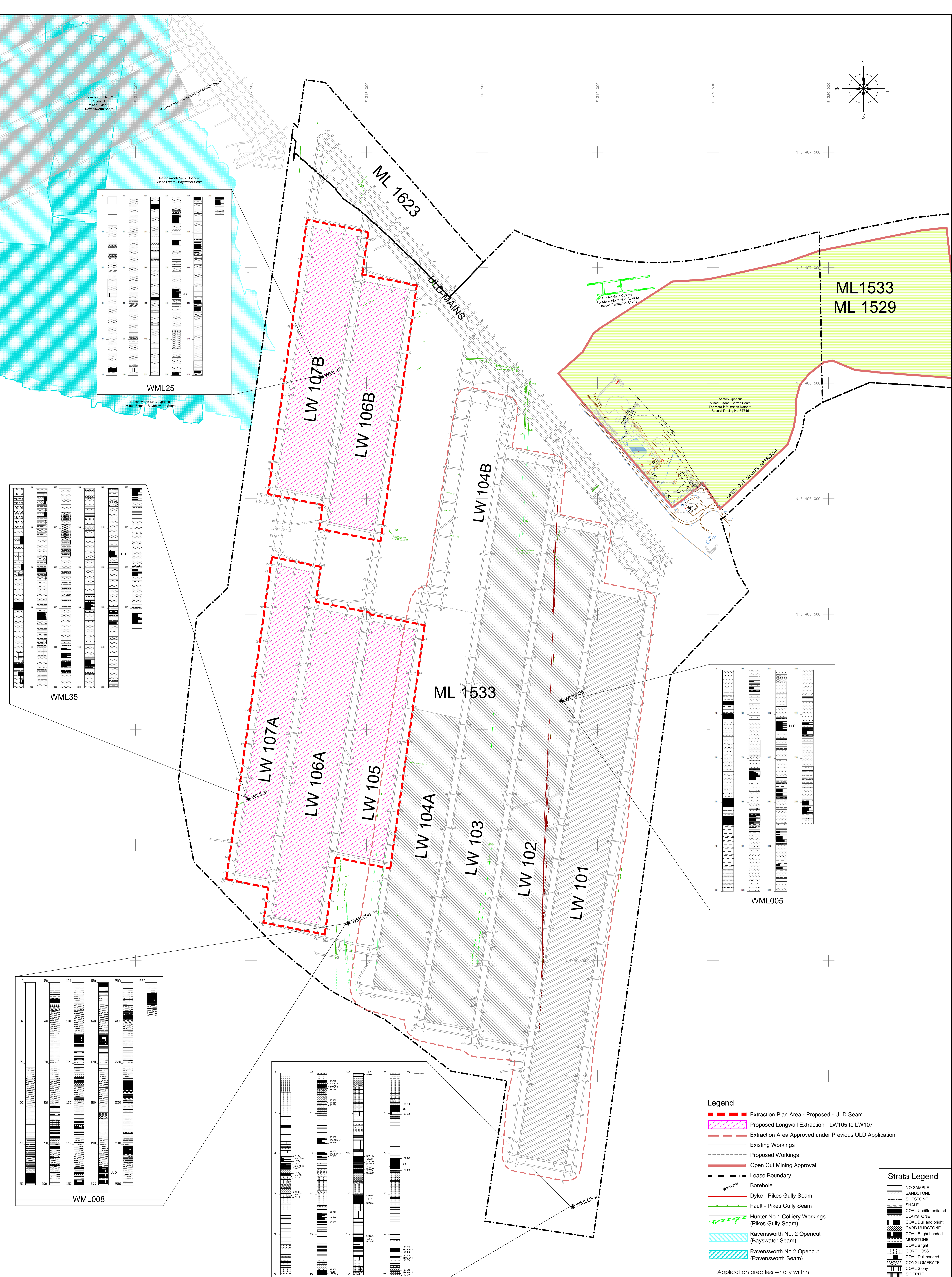
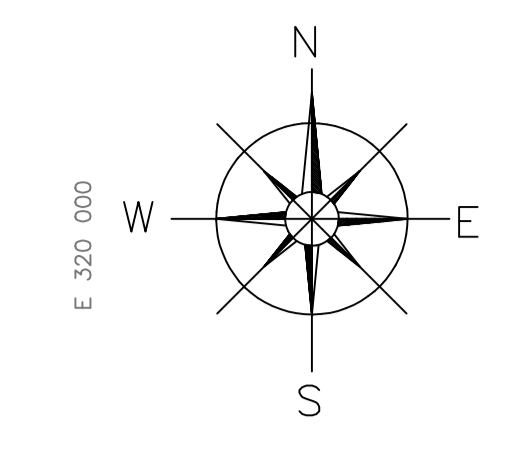
Schedule of Leases						
Title	Area	Date Granted	Expiry Date	Mining Lease Application	Catalogue Plan No.	Limitations
ML1533	883.4 ha	26/02/2003	26/02/2024	MLA190 & MLA201	M26992R (ML8)	New England Highway Road reserve from 5m to unlimited depth
ML1529	128.7 ha	10/09/2003	11/11/2012	partial transfer of CL382 from Integra Coal (Maitland Main - Consol Energy)	M27012R (ML9)	Area of 128.7ha covered by ML1529 from surface to a depth of 20m from 20m to unlimited depth
ML1623	26.2 ha	30/10/2008	30/10/2029	MLA310	M27140 (ML42)	From 5m to 900m below AHD



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ASHTON UNDERGROUND MINE PROPOSED LW105 to LW107 - UPPER LIDDELL SEAM PLAN No.5 - Mining Titles and Land Ownership					
Date	Scale:	Drawn	Checked	Approved	Drawing No.
19/11/2015	1:5000	JJP	JB	WF	B-4047
					Revision No.
					3
					Sheet Size
					AO

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Legend

- Extraction Plan Area - Proposed - ULD Seam
- Proposed Longwall Extraction - LW105 to LW107
- Extraction Area Approved under Previous ULD Application
- Existing Workings
- Proposed Workings
- Open Cut Mining Approval
- Lease Boundary
- Borehole
- Dyke - Pikes Gully Seam
- Fault - Pikes Gully Seam
- Hunter No.1 Colliery Workings (Pikes Gully Seam)
- Ravensworth No. 2 Opencut (Bayswater Seam)
- Ravensworth No.2 Opencut (Ravensworth Seam)

Application area lies wholly within Patrick Plains Mine Subsidence District

Strata Legend

- NO SAMPLE
- SANDSTONE
- SILTSTONE
- SHALE
- COAL Undifferentiated
- CLAYSTONE
- COAL Dull and bright
- CARB MUDSTONE
- COAL Bright banded
- MUDSTONE
- COAL Bright
- CORE LOSS
- COAL Dull banded
- CONGLOMERATE
- COAL Story
- SIDERITE
- COAL Dull



All measurements are in metres

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ASHTON UNDERGROUND MINE PROPOSED LW105 to LW107 - UPPER LIDDELL SEAM PLAN No.6 - Geological Strata Sections		Drawing No. B-4048
Date 19/11/2015	Scale: 1:5000	Revision No. 3
Drawn JJP	Checked JB	Sheet Size A0
Approved WF		

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