

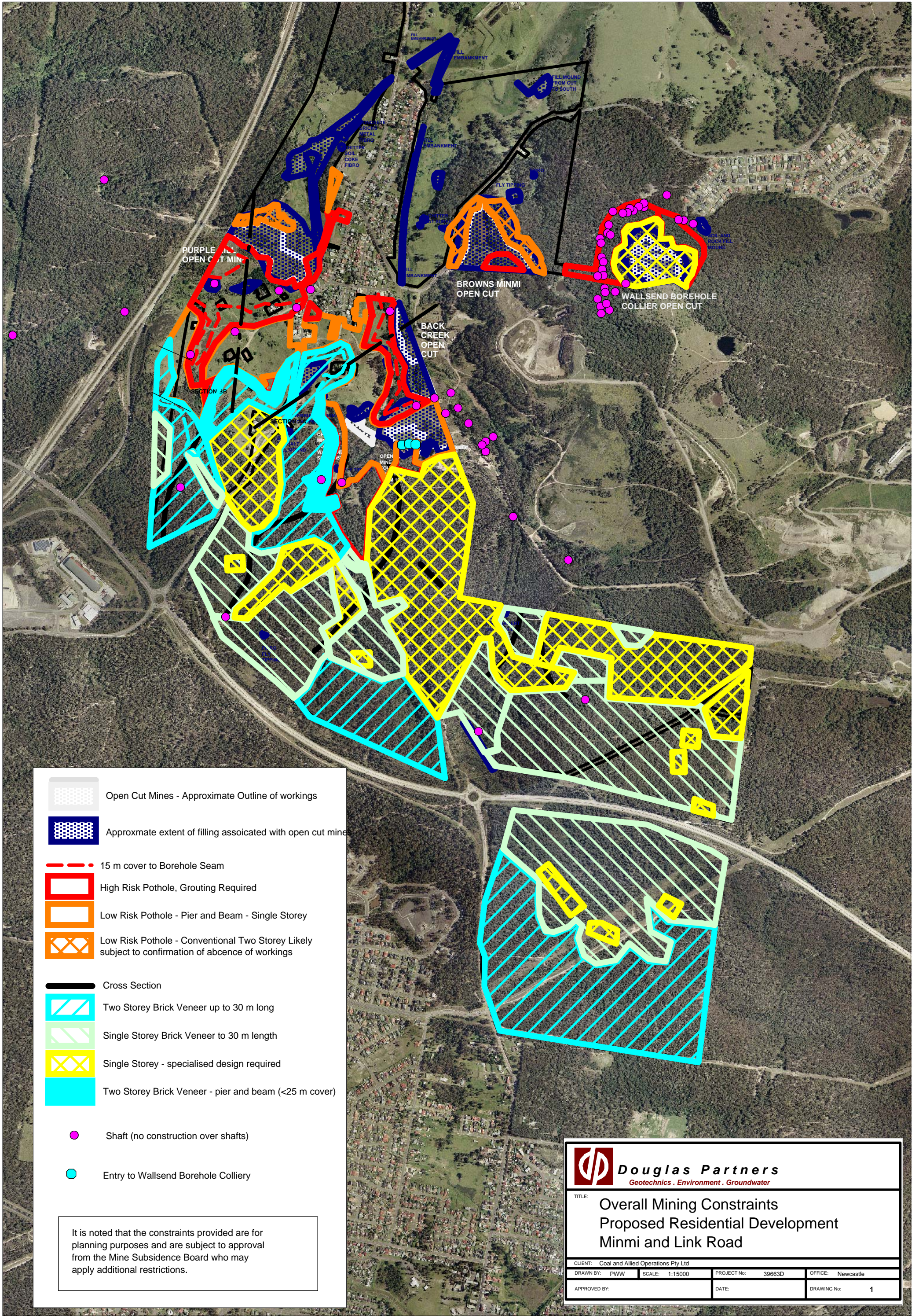
---

## **APPENDIX D**

**DRAWING 1 – OVERALL MINING CONSTRAINTS**  
**DRAWING 2 – IDENTIFIED POTHOLE AND POTHOLE RISK ZONES**  
**DRAWING 3 – IDENTIFIED SHAFT LOCATIONS**  
**DRAWING 4 – BOREHOLE LOCATION PLAN**  
**DRAWING 5 – RECORD TRACE FOR PITS, A, B AND C**  
**DRAWING 6 – RECORD TRACE FOR BROWNS COLLIERY**  
**DRAWING 7 – RECORD TRACE FOR COOPERATIVE COLLIERY**  
**DRAWING 8 – RECORD TRACE FOR WALLSEND BOREHOLE SEAM**  
**DRAWING 9 – RECORD TRACE FOR GRETLEY COLLIERY**  
**DRAWING 10 – INTERPRETED MINE WORKINGS AT BORE 7**  
**DRAWING 11 – INTERPRETED MINE WORKINGS AT BORE 8**  
**DRAWING 12- INTERPRETED MINE WORKINGS AT BORE 10**  
**DRAWING 13 – INTERPRETED MINE WORKINGS AT BORE 11**  
**DRAWING 14 – INTERPRETED MINE WORKINGS AT BORE 290G**  
**DRAWING 15 – BORE LOCATIONS AT REPORTED POTHOLE P4**  
**DRAWING 16 – TEST LOCATION PLAN – BORES 201, 202, 301, 303 AND**  
**305 ON BOREHOLE SEAM WORKINGS**  
**DRAWING 17 – TEST LOCATION PLAN – BORES 201, 202, 301, 303 AND**  
**305 ON YOUNG WALLSEND SEAM WORKINGS**

---





- Open Cut Mines - Approximate Outline of workings
- Approximate extent of filling associated with open cut mines
- 15 m cover to Borehole Seam
- High Risk Pothole, Grouting Required
- Low Risk Pothole - Pier and Beam - Single Storey
- Low Risk Pothole - Conventional Two Storey Likely subject to confirmation of absence of workings
- Cross Section
- Two Storey Brick Veneer up to 30 m long
- Single Storey Brick Veneer to 30 m length
- Single Storey - specialised design required
- Two Storey Brick Veneer - pier and beam (<25 m cover)
- Shaft (no construction over shafts)
- Entry to Wallsend Borehole Colliery

It is noted that the constraints provided are for planning purposes and are subject to approval from the Mine Subsidence Board who may apply additional restrictions.



**Douglas Partners**  
Geotechnics . Environment . Groundwater

TITLE:

Overall Mining Constraints  
Proposed Residential Development  
Minmi and Link Road

CLIENT: Coal and Allied Operations Pty Ltd

DRAWN BY: PWW

SCALE: 1:15000

PROJECT No: 39663D

OFFICE: Newcastle

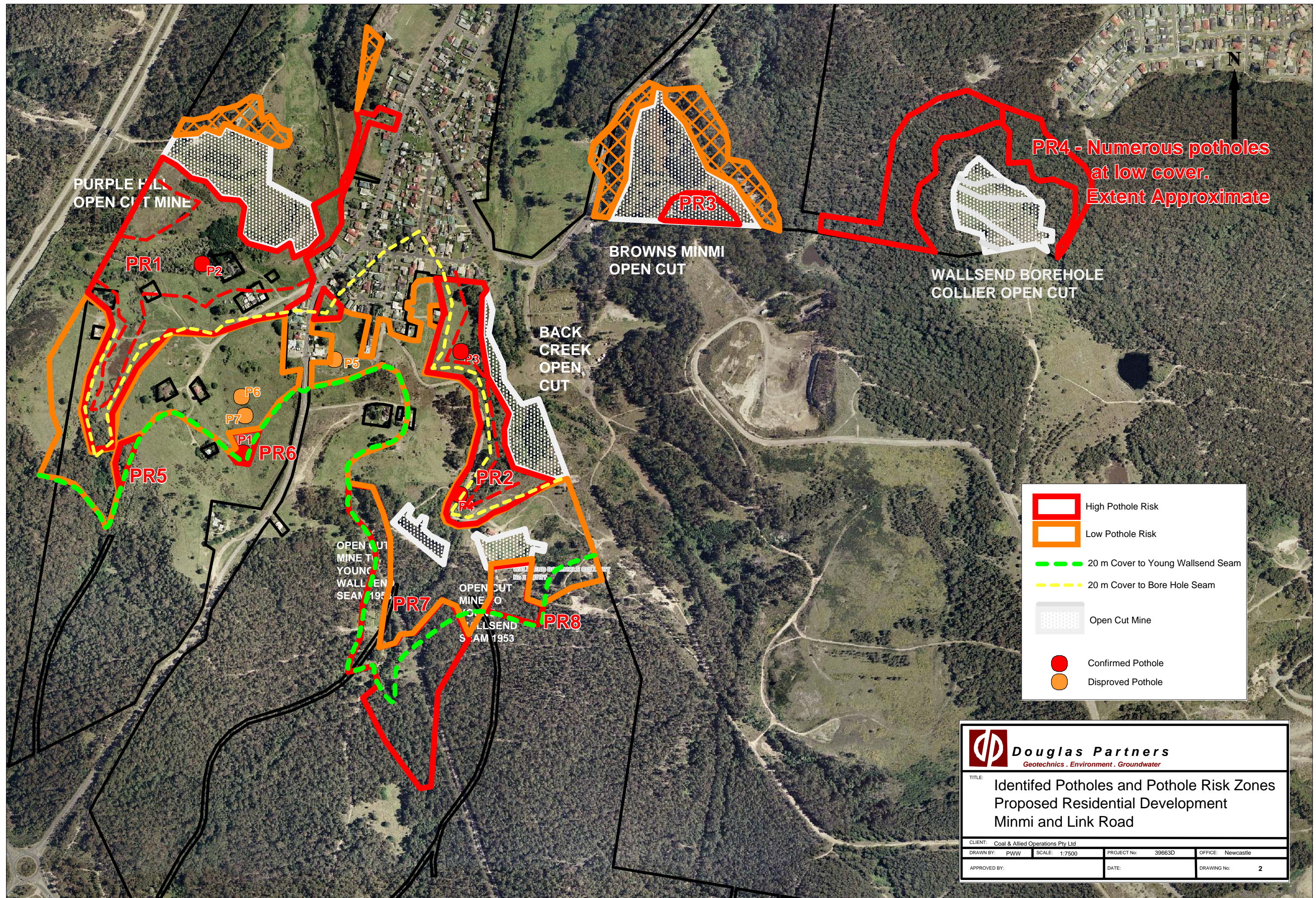
APPROVED BY:

DATE:

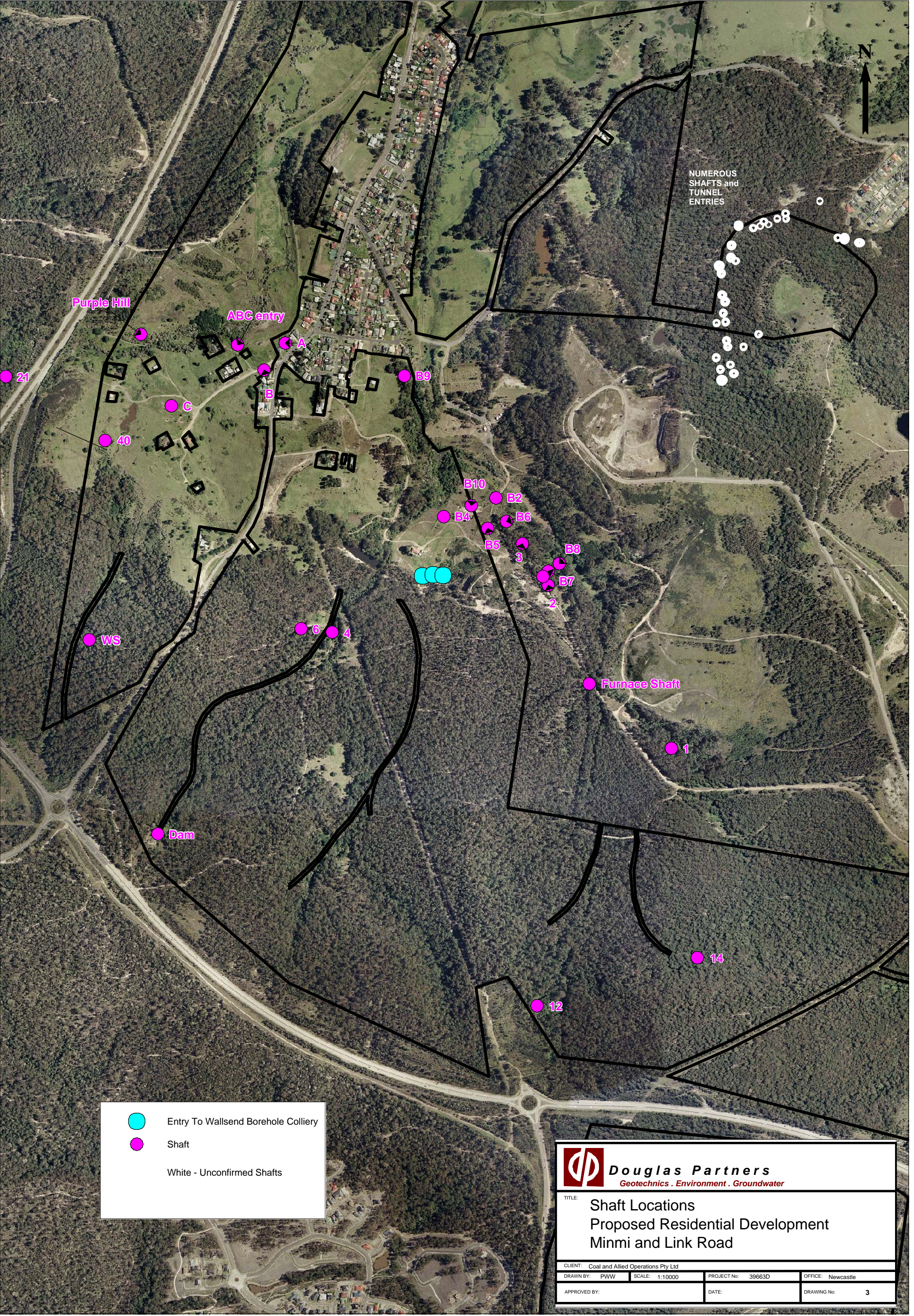
DRAWING No:

1









Entry To Wallsend Borehole Colliery

Shaft

White - Unconfirmed Shafts



**Douglas Partners**

Geotechnics . Environment . Groundwater

TITLE:

Shaft Locations  
Proposed Residential Development  
Minmi and Link Road

CLIENT: Coal and Allied Operations Pty Ltd

DRAWN BY: PWW

SCALE: 1:10000

PROJECT No: 39663D

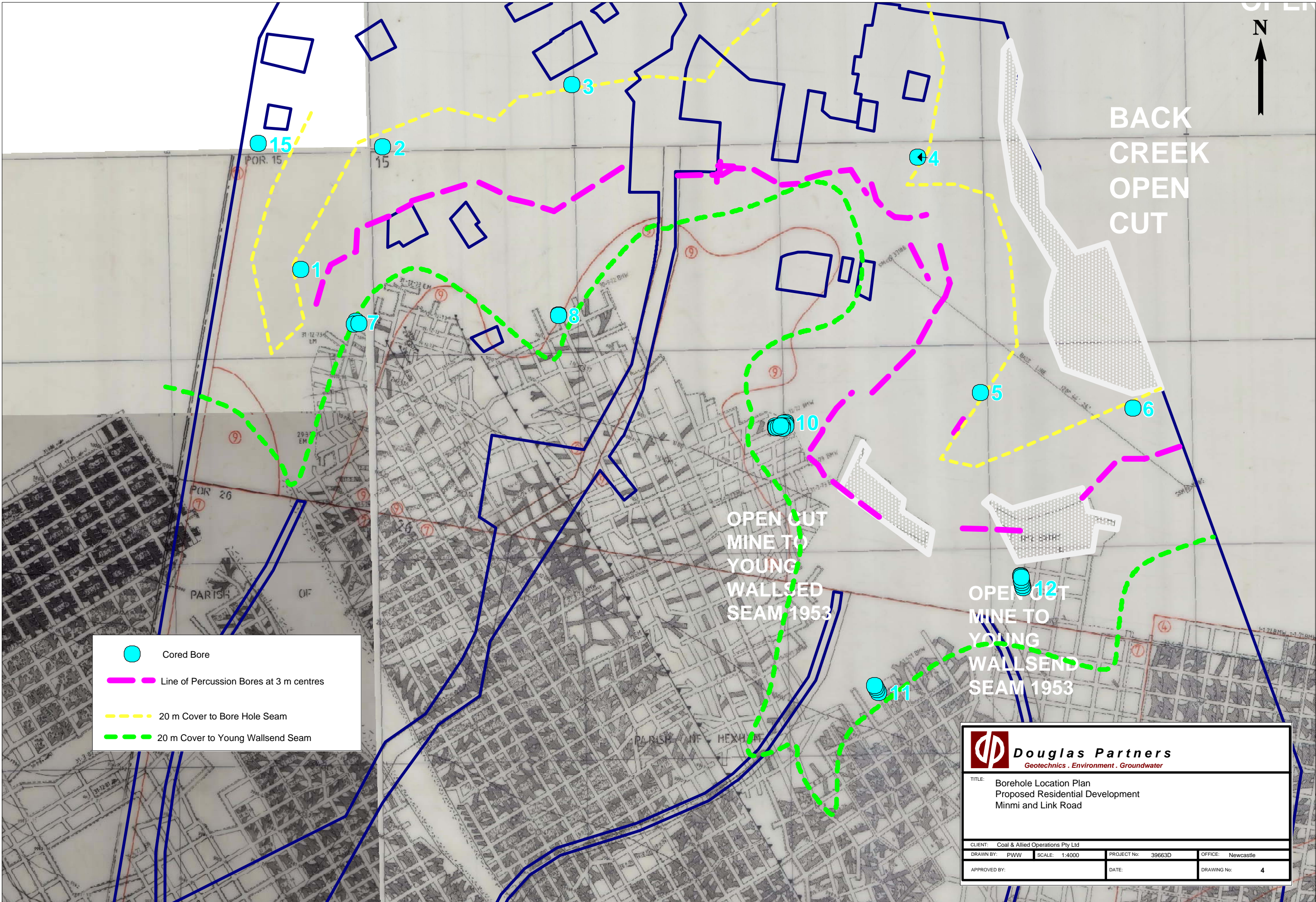
OFFICE: Newcastle


APPROVED BY:


DATE:


DRAWING No: 3






 Cored Bore

 Line of Percussion Bores at 3 m centres

 20 m Cover to Bore Hole Seam

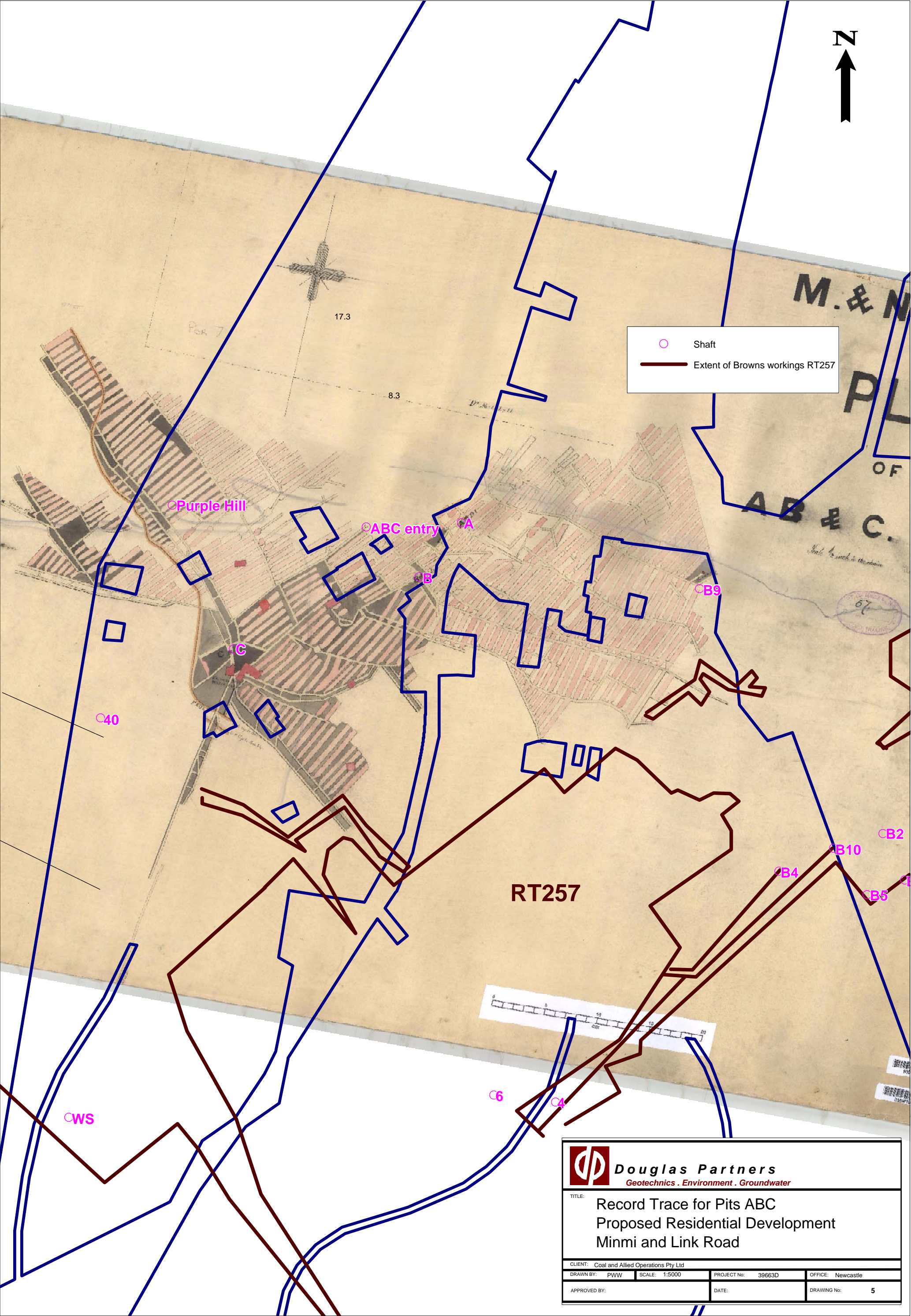
 20 m Cover to Young Wallsend Seam

 **Douglas Partners**  
*Geotechnics . Environment . Groundwater*

TITLE: Borehole Location Plan  
Proposed Residential Development  
Minmi and Link Road

|  |                    |                   |
|--|--------------------|-------------------|
| CLIENT: Coal & Allied Operations Pty Ltd | PROJECT No: 39663D | OFFICE: Newcastle |
| DRAWN BY: PWV                            | SCALE: 1:4000      | DATE:             |
| APPROVED BY:                             | DATE:              | DRAWING No: 4     |






○

Shaft

—

Extent of Browns workings RT257



Douglas Partners

Geotechnics . Environment . Groundwater

TITLE:

Record Trace for Pits ABC  
Proposed Residential Development  
Minmi and Link Road

CLIENT: Coal and Allied Operations Pty Ltd

DRAWN BY: PWV

SCALE: 1:5000

PROJECT No: 39663D

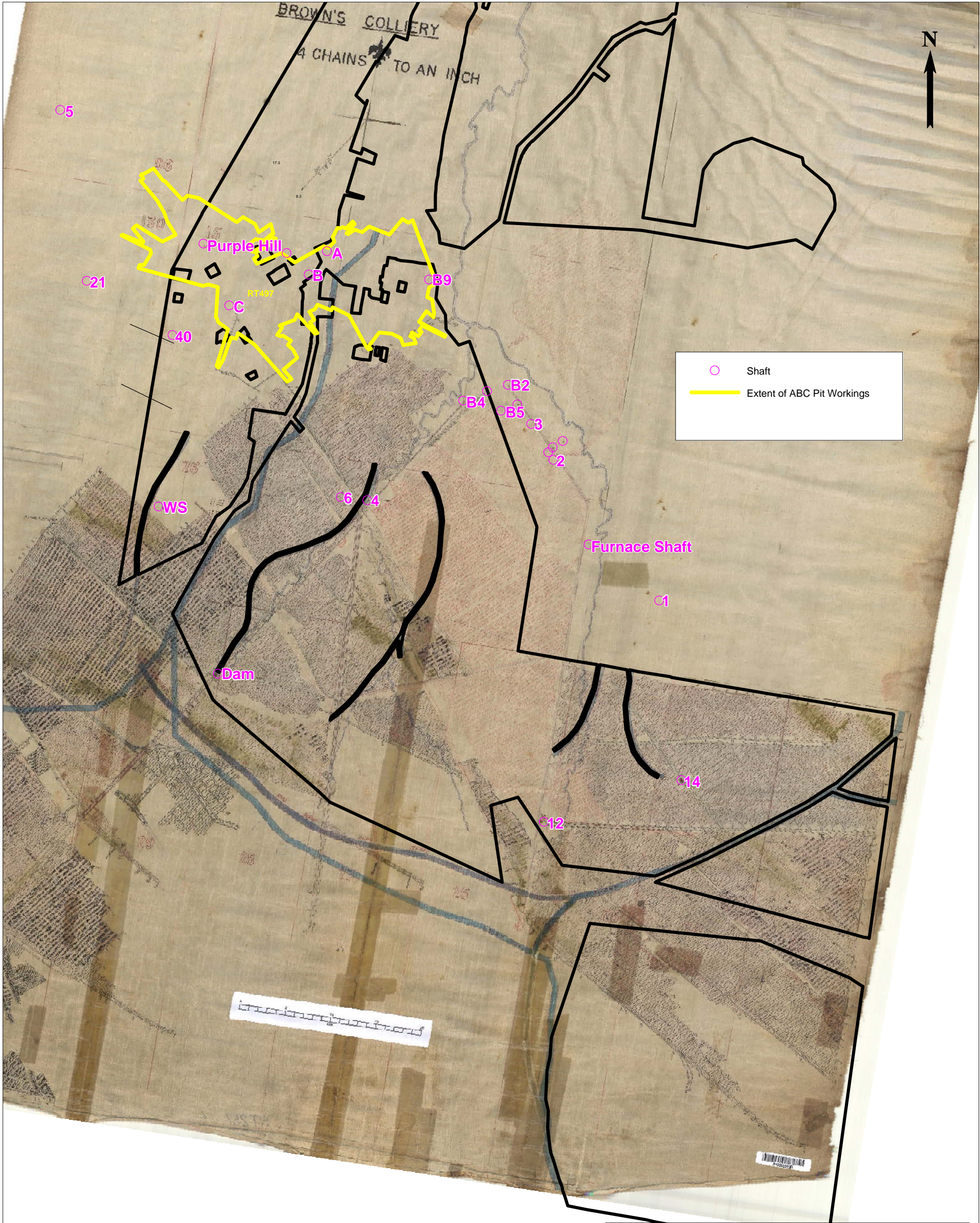
OFFICE: Newcastle

APPROVED BY:

DATE:

DRAWING No: 5







**Douglas Partners**  
Geotechnics . Environment . Groundwater

TITLE:

Browns Colliery RT257  
Proposed Residential Development  
Minmi and Link Road

|  |                |                    |                   |
|--|----------------|--------------------|-------------------|
| CLIENT: Coal and Allied Operations Pty Ltd |                |                    |                   |
| DRAWN BY: PWV                              | SCALE: 1:12500 | PROJECT No: 39663D | OFFICE: Newcastle |
| APPROVED BY:                               | DATE:          | DRAWING No: 6      |                   |