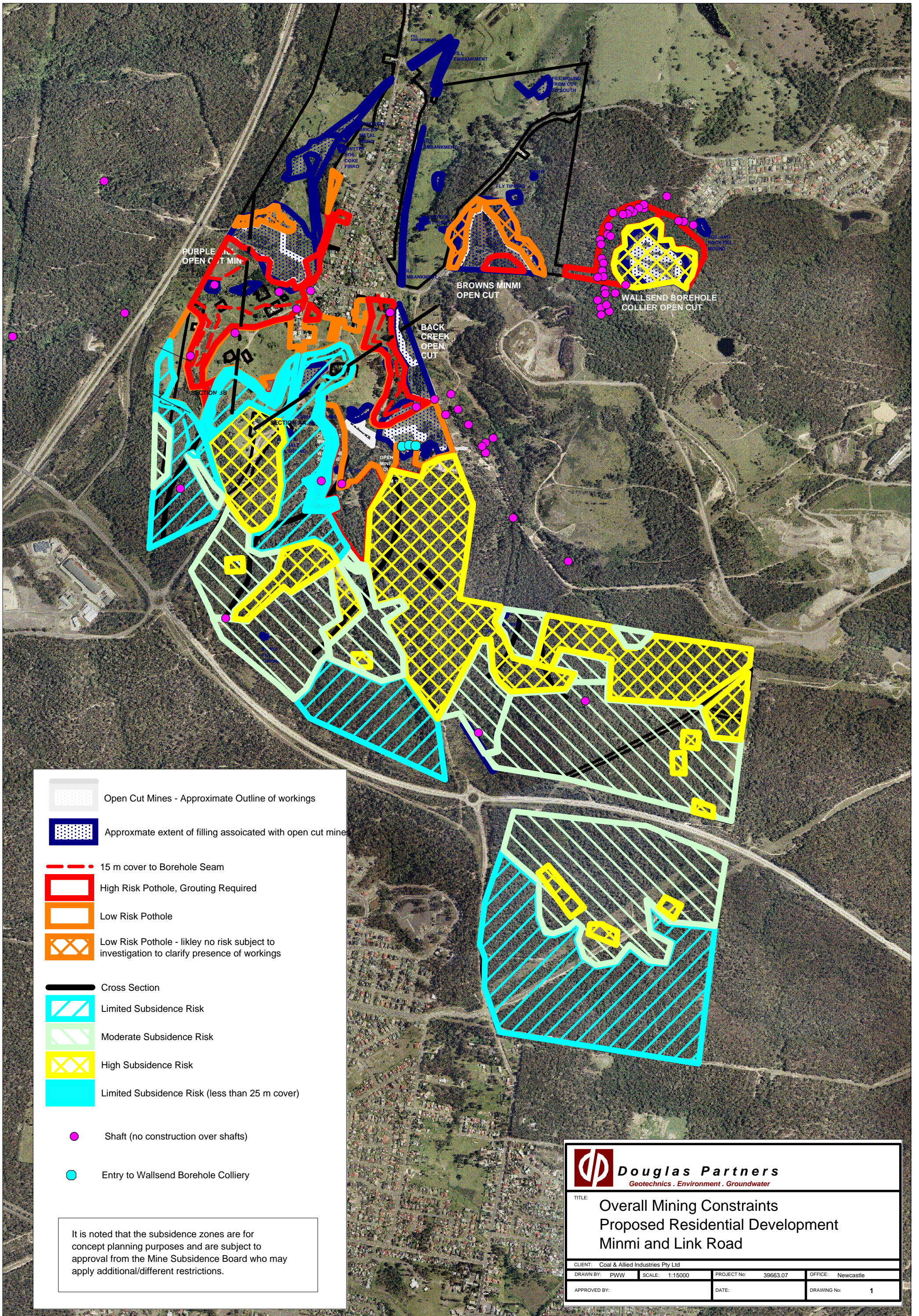
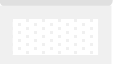








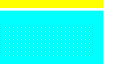
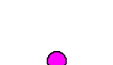




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## **APPENDIX D**


- DRAWING 1 – OVERALL MINING CONSTRAINTS**
  - DRAWING 2 – IDENTIFIED POTHoles 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**
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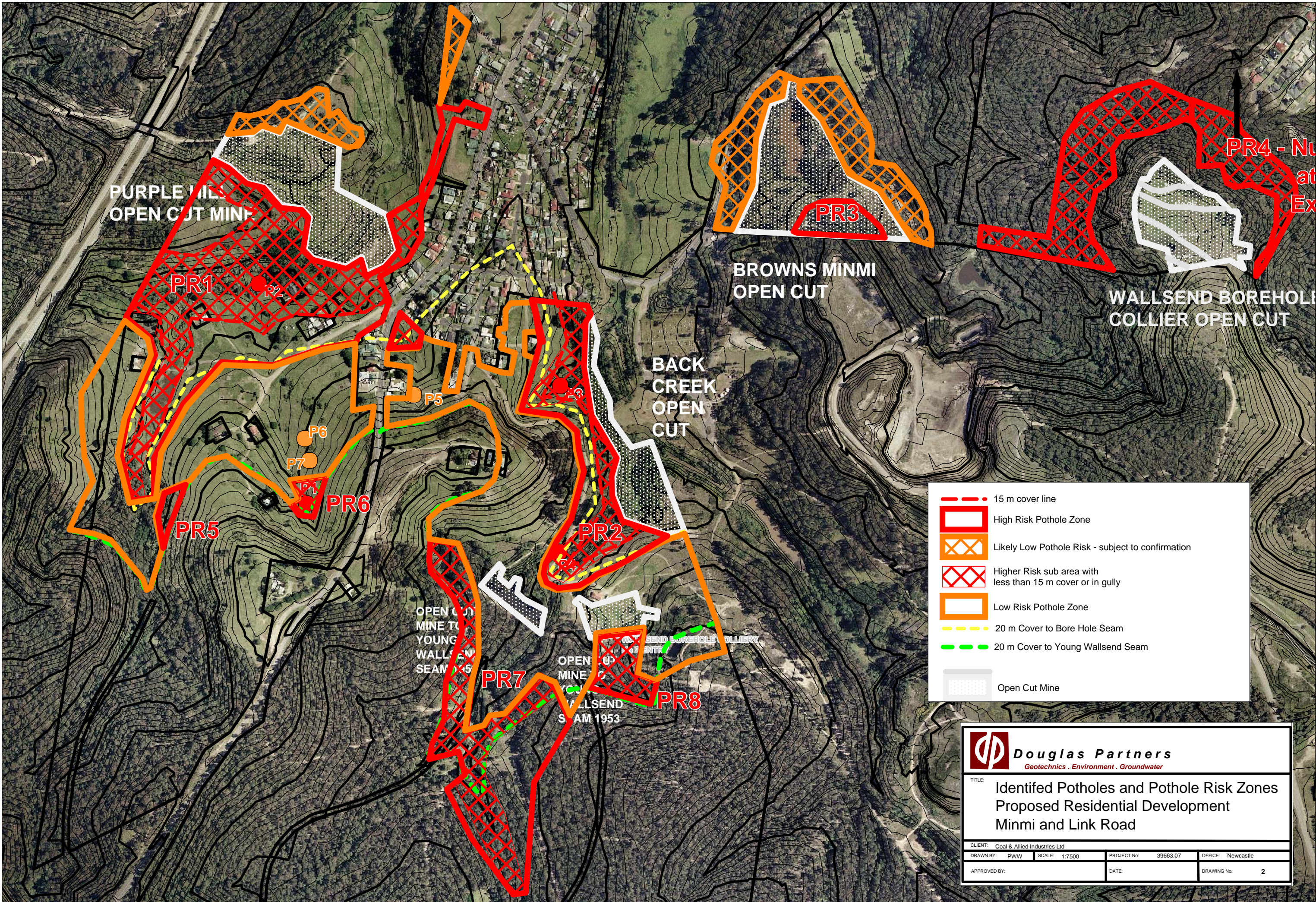


-  Open Cut Mines - Approximate Outline of workings
-  Approximate extent of filling associated with open cut mines
-  15 m cover to Borehole Seam
-  High Risk Pothole, Grouting Required
-  Low Risk Pothole
-  Low Risk Pothole - likely no risk subject to investigation to clarify presence of workings
-  Cross Section
-  Limited Subsidence Risk
-  Moderate Subsidence Risk
-  High Subsidence Risk
-  Limited Subsidence Risk (less than 25 m cover)

-  Shaft (no construction over shafts)
-  Entry to Wallsend Borehole Colliery

It is noted that the subsidence zones are for concept planning purposes and are subject to approval from the Mine Subsidence Board who may apply additional/different restrictions.

 <b>Douglas Partners</b> <i>Geotechnics . Environment . Groundwater</i>			
TITLE: <b>Overall Mining Constraints Proposed Residential Development Minmi and Link Road</b>			
CLIENT: Coal & Allied Industries Pty Ltd			
DRAWN BY: PWV	SCALE: 1:15000	PROJECT No: 39663.07	OFFICE: Newcastle
APPROVED BY:		DATE:	DRAWING No: 1



PURPLE HILLS  
OPEN CUT MINE

BROWNS MINMI  
OPEN CUT

WALLSEND BOREHOLE  
COLLIER OPEN CUT

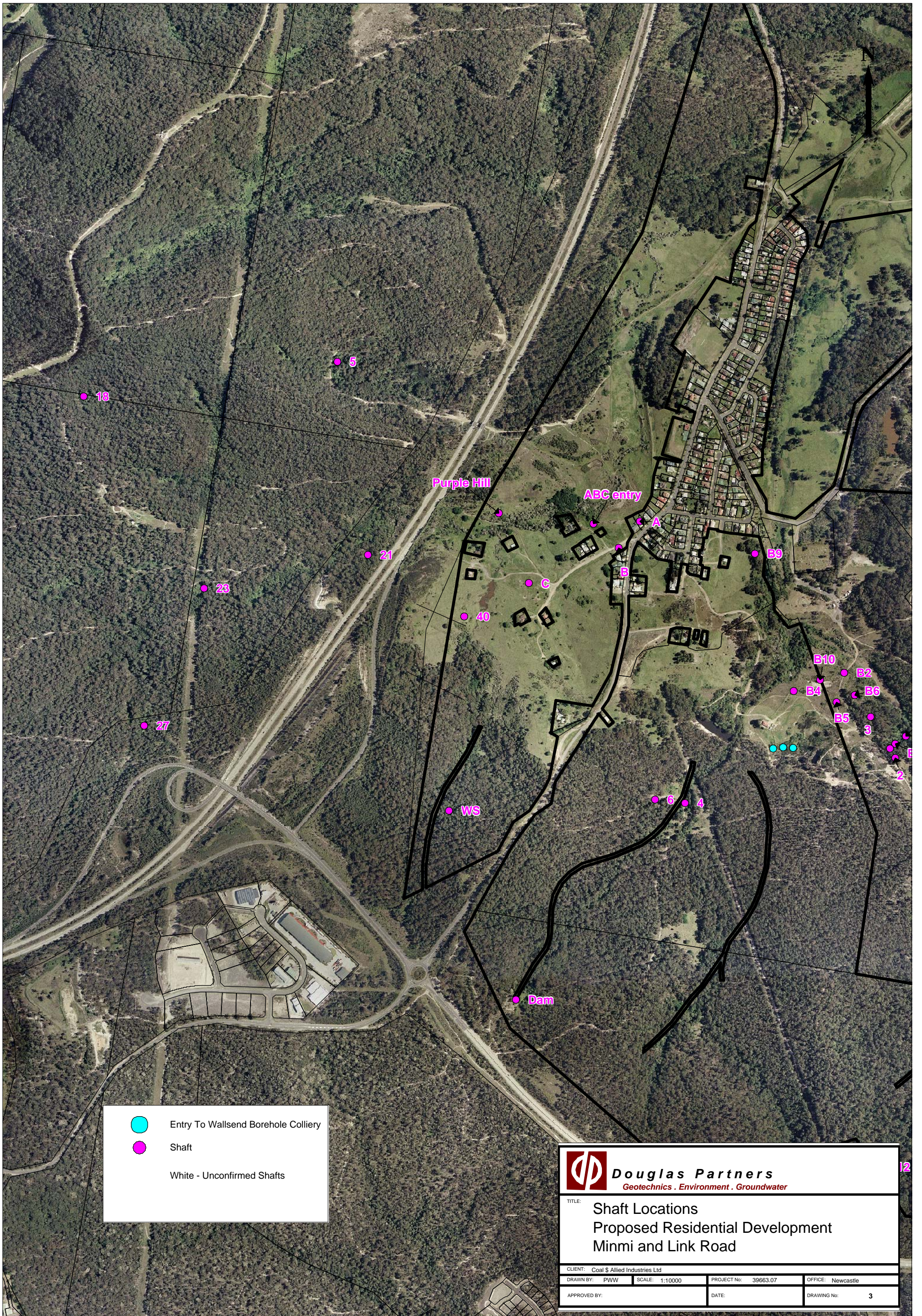
BACK  
CREEK  
OPEN  
CUT




OPEN CUT  
MINE TO  
YOUNG  
WALLSEND  
SEAM 1953

OPEN CUT  
MINE TO  
YOUNG  
WALLSEND  
SEAM 1953

	15 m cover line
	High Risk Pothole Zone
	Likely Low Pothole Risk - subject to confirmation
	Higher Risk sub area with less than 15 m cover or in gully
	Low Risk Pothole Zone
	20 m Cover to Bore Hole Seam
	20 m Cover to Young Wallsend Seam
	Open Cut Mine

<b>Douglas Partners</b> Geotechnics . Environment . Groundwater			
TITLE: Identified Potholes and Pothole Risk Zones Proposed Residential Development Minimi and Link Road			
CLIENT: Coal & Allied Industries Ltd	SCALE: 1:7500	PROJECT No: 39663.07	OFFICE: Newcastle
DRAWN BY: PWV	APPROVED BY:	DATE:	DRAWING No: 2



	Entry To Wallsend Borehole Colliery
	Shaft
	White - Unconfirmed Shafts

 <b>Douglas Partners</b> Geotechnics . Environment . Groundwater			
TITLE: Shaft Locations Proposed Residential Development Minmi and Link Road			
CLIENT: Coal \$ Allied Industries Ltd	SCALE: 1:10000	PROJECT No: 39663.07	OFFICE: Newcastle
DRAWN BY: PWW	APPROVED BY:	DATE:	DRAWING No: 3