



**WHITE MINING LIMITED**  
A.C.N. 009 713 893

Ashton Coal Project  
P.O. Box 699  
SINGLETON NSW 2330  
PH: (02) 6576-1111  
FAX: (02) 6576-1122  
E-Mail: icallow@whitemining.com.au

# facsimile transmittal

*Matt,  
Does this restart  
the clock? Please  
advise  
Chris  
3/12*

**To:** Department of Urban Affairs & Planning      **Fax:** 9391 2151

---

**Att:** Chris Ritchie      **Phone:**

---

**From:** Ian Callow      **Date:** 10 Dec. 01

---

**Re:** Information for Singleton Shire Council      **Pages:** 9

---

**CC:** Alan Wells HLA-Envirosciences

---

Urgent       For Review       Please Comment       Please Reply       Please Recycle

---

Dear Chris

**Ashton Coal Project**  
**Information Supplied to Singleton Shire Council**

In his letter dated 29 November, Matthew Andrews requested that we provide Singleton Shire Council a concept plan and written description of all works proposed for public roads.

I advise that the requested information was conveyed to council in a meeting held in their offices on 5 December. The meeting was attended by the following:

Singleton Shire Council	Ken Horner	Senior Assessment Planner
	John Cullerton	Development Engineer
PPK Singleton	Paul Witherdin	Senior Civil Engineer
White Mining Limited	Peter Barton	Technical Manager



# ASHTON COAL PROJECT UPGRADE WORKS TO GLENNIES CREEK ROAD FOR WHITE MINING LIMITED

## DRAWING SCHEDULE

- 63P079A/00 COVER SHEET AND DRAWING SCHEDULE
- 63P079A/01 INTERSECTION OF MINE ACCESS ROAD WITH GLENNIES CREEK ROAD - PLAN LAYOUT
- 63P079A/02 DIVERSION OF GLENNIES CREEK ROAD - PLAN & LONGITUDINAL SECTION
- 63P079A/03 DIVERSION OF GLENNIES CK RD - TYPICAL SECTION & DETAILS

CONCEPT ONLY  
NOT FOR  
CONSTRUCTION

**PPK**  
 Environment & Infrastructure  
 Planning & Construction  
 A Parsons Brinckerhoff Partnership

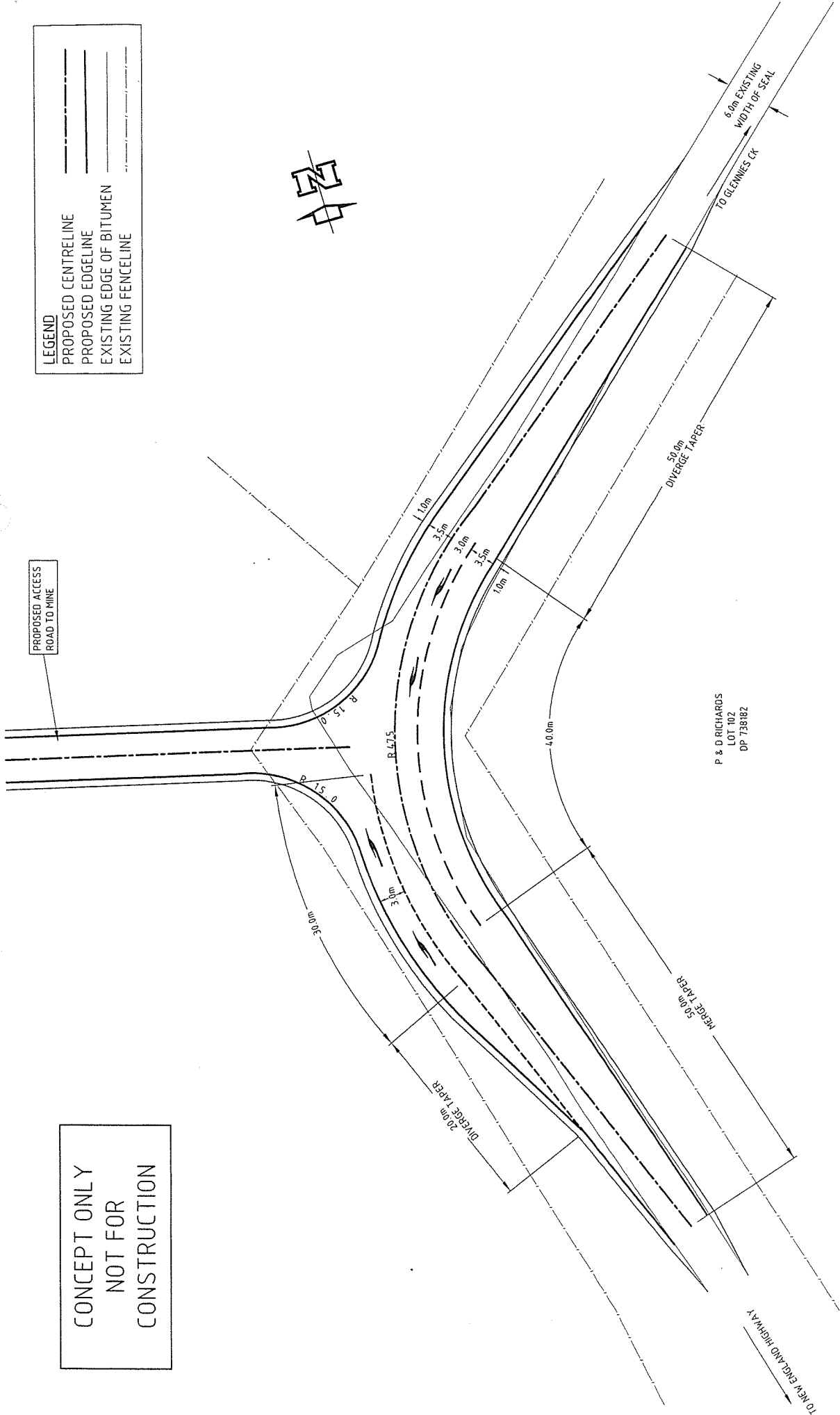
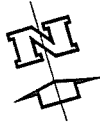
100 GEORGE STREET  
 SINGLETON NSW 2330  
 POST OFFICE BOX 115  
 SINGLETON NSW 2330  
 Phone: 02 6572 4000  
 Fax: 02 6572 4000  
 Email: hknright@ppk.com.au  
 AIN 80 073 004 798

Job No	118085A	Drawing No	00	Issue	1
				ORIGINAL ISSUE	+12.01

CONCEPT ONLY  
NOT FOR  
CONSTRUCTION

**LEGEND**  
 PROPOSED CENTRELINE  
 PROPOSED EDGELINE  
 EXISTING EDGE OF BITUMEN  
 EXISTING FENCELINE

PROPOSED ACCESS  
ROAD TO MINE



P & D RICHARDS  
LOT 102  
DP 738182

REV	DESCRIPTION	DATE	APPROVED
1	ORIGINAL ISSUE	1-12-2011	[Signature]

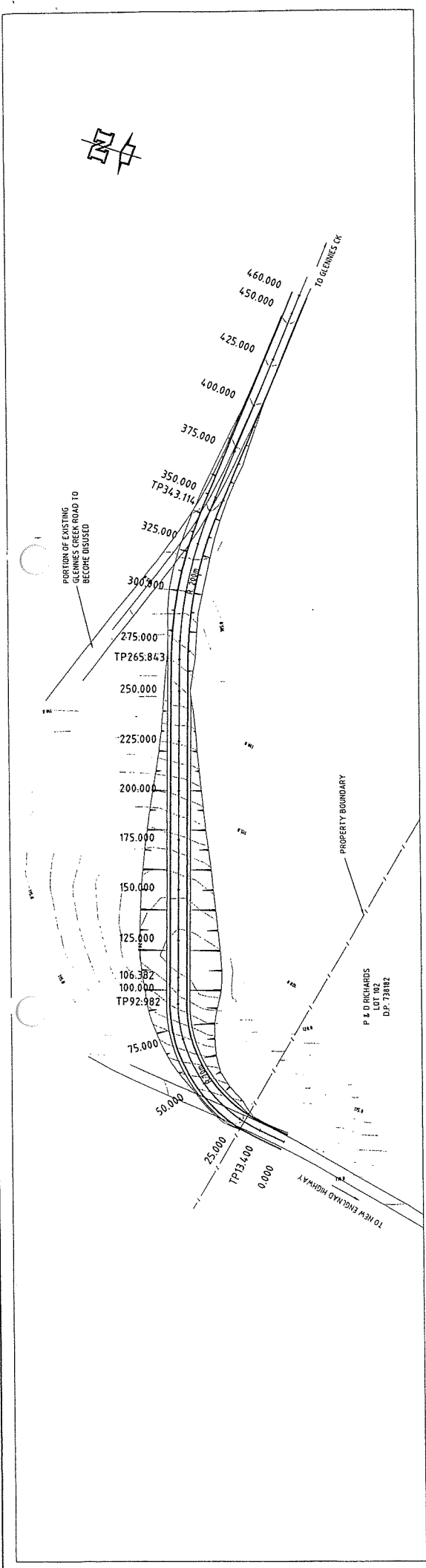
Copyright in the drawings, information and data recorded herein and their format and reproduction (in any form) is the property of PPK Environment & Infrastructure Pty Ltd (PPK) and shall be used only for the purposes for which it is supplied by PPK, without the prior consent of PPK. PPK is not liable for any loss or damage of any kind, including consequential loss or damage, arising out of the use of this document or the information contained therein, unless that document or the information contained therein is specifically identified as being provided for the purpose of the project mentioned herein. (The accompanying document).	The terms printed on this label are part of the data and the accompanying documents and shall be construed or relied on in reproduction of the data of the accompanying documents.
NCS1 Certified Quality System to ISO 9001	

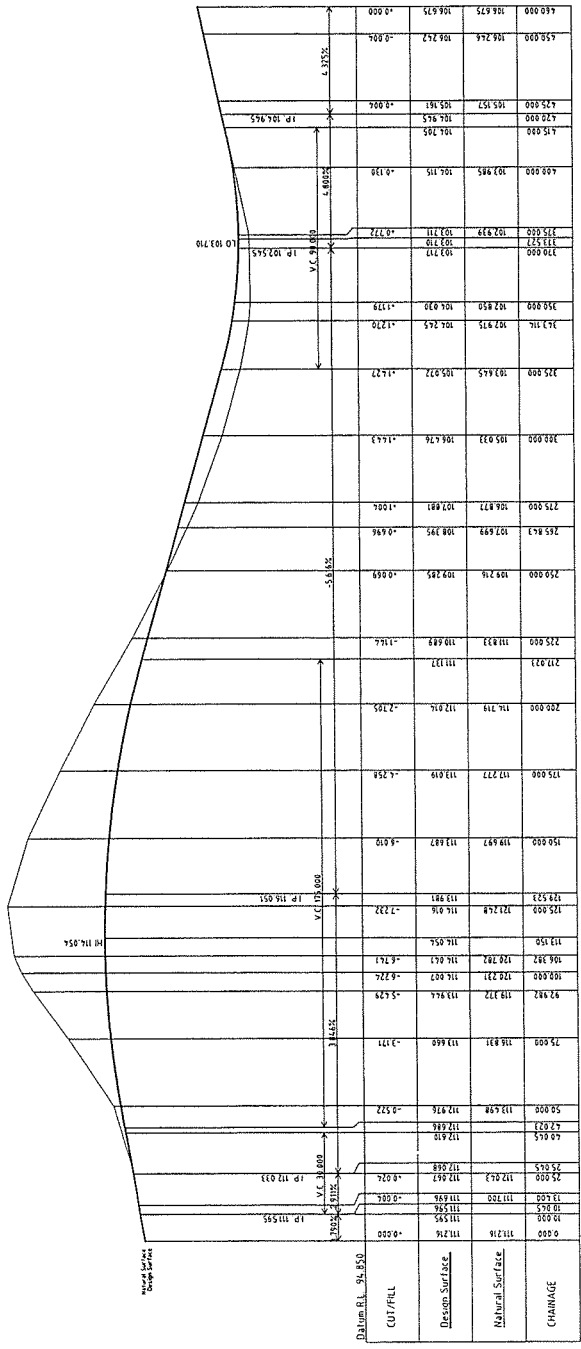
Designed Drg/DP Drawn BG	Checked PJA	Scale 1:500 (A3)	Project Approval Cairns 09/FA/11
A1 ORIGINAL			

PPK Environment & Infrastructure PPK Environment & Infrastructure 1103 BRISBANE STREET ADELAIDE SA 5000 Tel: (08) 8391 7000 Email: hkn@ppk.com.au	100 GEORGE STREET SINGLTON NEW SOUTH WALES 2330 PO BOX 115 SINGLTON NSW 2330 TEL: 02 65723377 FAX: 02 65723378 Email: hkn@ppk.com.au	Job No 118085A
WHITE MINING LIMITED UPGRADE OF GLENNIES CK RD INTERSECTION OF MINE ACCESS ROAD WITH GLENNIES CK ROAD PLAN LAYOUT		Drawing No 01
REV: 1		1



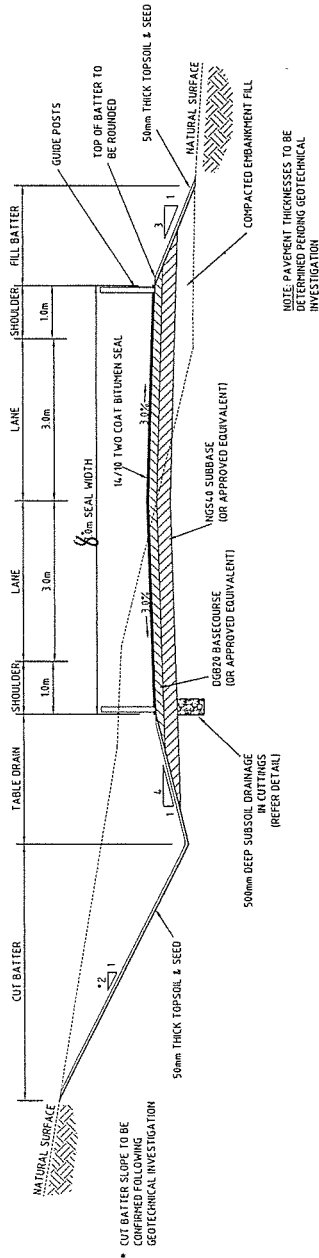
GLENNIES CREEK ROAD DIVERSION - PLAN  
CH00 - CH460.00  
SCALE 1:1000 A3 SIZE



GLENNIES CREEK DIVERSION - LONGITUDINAL SECTION  
CH00 - CH460.00  
SCALE HORIZONTAL 1:1000 VERTICAL 1:200 A3

CONCEPT ONLY  
NOT FOR  
CONSTRUCTION

REV	DATE	APPROVED	DESCRIPTION
1	L-12-2011		ORIGINAL ISSUE
NCSI certified Quality System to ISO 9001			
The terms printed on this page are part of the data and shall be read in conjunction with the accompanying documents.			
Copyright in the drawings, information and data recorded thereon and their format shall remain the property of PPK Engineering & Infrastructure Pty Ltd. No part of this drawing shall be used, copied or reproduced in whole or part for any purpose other than that for which it is supplied by PPK Engineering & Infrastructure Pty Ltd. without the written consent of PPK Engineering & Infrastructure Pty Ltd. All rights reserved. No data unless their document or the relevant part is identical to the document provided hereunder (the accompanying document).			
Designed	Project Approval	A1 ORIGINAL	
Drawn	Scale	A3 SHOWN	
DG	Castle	4882A	
Drawing Check	PKK	Engineering & Infrastructure Pty Ltd	
PW	100 GEORGE STREET	SYDNEY NSW WALES 2130	
	PO BOX 115	SINGLETON NSW 2330	
	TEL 02 65723377	FAX 02 65724080	
	Email: hknigh@ppk.com.au	A Parsons Brinckerhoff Partnership	
UPGRADE OF GLENNIES CK RD			
WHITE MINING LIMITED			
Job No 118085A			
Drawing No 02			
Rev. 1			

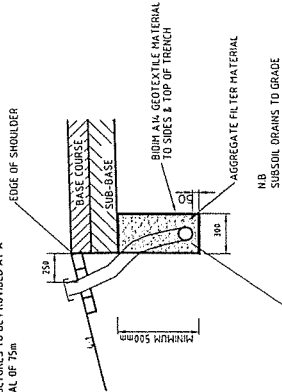


**ROADWORKS CUT/FILL  
TYPICAL SECTION**  
SCALE 1:50 (A1) 1:1000 (A3)

NOTE: PAVEMENT THICKNESSES TO BE DETERMINED PENDING GEOTECHNICAL INVESTIGATION

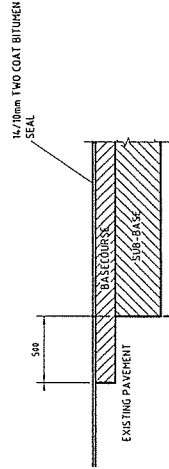
**NOTE:**

- CLEAN OUT STRUCTURES TO BE PROVIDED AT A MINIMUM INTERVAL OF 75m



**SUBSOIL DRAINAGE TYPICAL SECTION**  
SCALE 1:20 (A1) 1:40 (A3)

NOTE: PAVEMENT THICKNESSES TO BE DETERMINED PENDING GEOTECHNICAL INVESTIGATION



**DETAIL OF PAVEMENT CONSTRUCTION AT TIE-INS**  
SCALE 1:20 (A1) 1:40 (A3)

CONCEPT ONLY  
NOT FOR  
CONSTRUCTION

							Job No <b>118085A</b>	
							Drawing No <b>03</b>	
<b>WHITE MINING LIMITED</b> UPGRADE OF GLENNIES CK RD							Designer of Glennies Creek Road Upgrade Section 1 Details	
<b>PPK</b> Environmental Infrastructure PPK Environment & Infrastructure ABN 80 078 084 798 A Parsons Brinckerhoff Partnership							100 GEORGE STREET SINGLETON NEW SOUTH WALES 2330 AUSTRALIA SYDNEY NSW 2330 AUSTRALIA TEL. 02 65724080 FAX. 02 65724080 Email: hking@ppk.com.au	
Project Approval		Designed by JADR	Design Check PW	Drawn DG	Checked PW	Scale A3 300mm P2/A	Rev. <b>1</b>	
A1 ORIGINAL							Date 04-12-2001	Date 05/06/2001
COPYRIGHT AND REPRODUCTION Copyright in the drawings, documents and data recorded herein and any other material contained herein is owned by White Mining Limited. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of White Mining Limited. The user of this document is deemed to have accepted the responsibility for any use of the information contained herein and for any errors or omissions in the information provided. The user of this document is deemed to have accepted the responsibility for any use of the information provided and to indemnify White Mining Limited against any claims, damages, losses, costs, expenses, or liabilities, including reasonable attorneys' fees, arising from the use of the information provided. This document is the property of White Mining Limited and shall remain the property of White Mining Limited. It is to be used only for the purposes specified in the accompanying agreement.							NCSI certified Quality System to ISO 9001	
REV	DESCRIPTION	DATE	DATE	APPROVED	APPROVED			
1	ORIGINAL ISSUE	04-12-2001	05/06/2001	PW	PW	PW	PW	

Our Reference: 118085A/LT\_720/PW/Io

5 December 2001

Mr Peter Barton  
White Mining Limited  
Pox 699  
SINGLETON NSW 2330

Dear Peter

## Ashton Coal Project - Upgrade Works to Glennies Creek Road Proposed Concept Design

Please find attached the following concept design drawings for proposed upgrading works to Glennies Creek Road:

Dwg 118085A/00 Rev 1 Cover Sheet and Drawing Schedule

Dwg 118085A/01 Rev 1 Intersection of Mine Access Road with Glennies Creek Road – Plan Layout

Dwg 118085A/02 Rev 1 Diversion of Glennies Creek Road – Plan and Longitudinal Section

Dwg 118085A/03 Rev 1 Diversion of Glennies Creek Road - Typical Section and Details

The extent of the proposed upgrade works was determined from the Ashton Coal Project EIS, discussions with Singleton Shire Council and a briefing from yourself.

The nature of the proposed works, applicable design criteria and assumptions adopted in our concept are detailed hereunder.

### 1. Intersection of Glennies Creek Road with New England Highway

Although not shown in the above mentioned drawings, the extent of the proposed modifications to this intersection is to make the left hand turn out of Glennies Creek Road onto the New England Highway more generous. This would be achieved by increasing the radius of the return curve to 17-19 metres, which satisfies road design guidelines for B-doubles and semi-trailer turning manoeuvres.

### 2. Intersection of Mine Access Road with Glennies Creek Road

As stipulated by Singleton Shire Council (and exceeding requirements of the EIS), we have designed a Type 'B' intersection in accordance with Austroads "Intersection at Grade".

Design Criteria/Assumptions are:

- The intersection has been modified as requested to provide a left turn deceleration lane into the proposed mine.
- The intersection has been designed for a design speed of 50 km/hr (centreline radius = 47.5m). This is a considerable improvement on the existing horizontal curve, which has an estimated radius of 25 metres.
- We have based lane widths and shoulder widths on an assumed AADT of 100-500 vehicles per day. The EIS is unclear on predicted AADT, but estimates Glennies Creek Road to currently have traffic volume less than 100 vehicles per day, with the addition of 50 vehicle trips per day during mine construction.
- The intersection widening occurs solely on the western side of Glennies Creek Road so as to avoid property owned by D & P Richards.
- We have not provided signage details, however we would anticipate that the following signs would be appropriate:

On Glennies Creek Road

- Curve (W1-3) x 2
- Advisory Speed (W8-2) x 2
- Side Road Junction (W2-4) x 2
- Merging Traffic (W5-24) x 1

On Mine Access Road

- T – Junction (W2-3) x 1
- Stop (R1-1) or Give Way (R1-2) x 1
- Unidirectional Hazard Marks (D4-4B) x 1

### **3. Diversion of Glennies Creek Road**

Design Criteria/Assumptions are:

- Horizontal alignment dictated by the requirement to avoid property of D & P Richards, whilst minimising sterilisation of coal resource.
- Horizontal and vertical alignment have been designed in accordance with Austroads "Rural Road Design" for a design speed of 60 km/hr. This is similar to the speed environment on nearby sections of Glennies Creek Road.
- Lane and shoulder widths shown comply with Austroad guidelines for AADT of 100-500 vehicles per day.

- Table drain and fill batter slopes selected to avoid requirement for guardrail.
- Pavement design and cut batter slopes would not be determined until a geotechnical investigation of the route was completed.
- Although not shown, anticipated signage requirements would be:
  - Curve (W1-3) x 2
  - Advisory Speed (W8-2) x 2
  - CAM's (Chevron Alignment Marks) x 6

We trust the above provides sufficient information to support the concept design drawings. Should you require anything further, please do not hesitate to contact the undersigned.

Yours sincerely



**Paul Witherdin**  
Senior Civil Engineer  
PPK E & I Pty Limited