

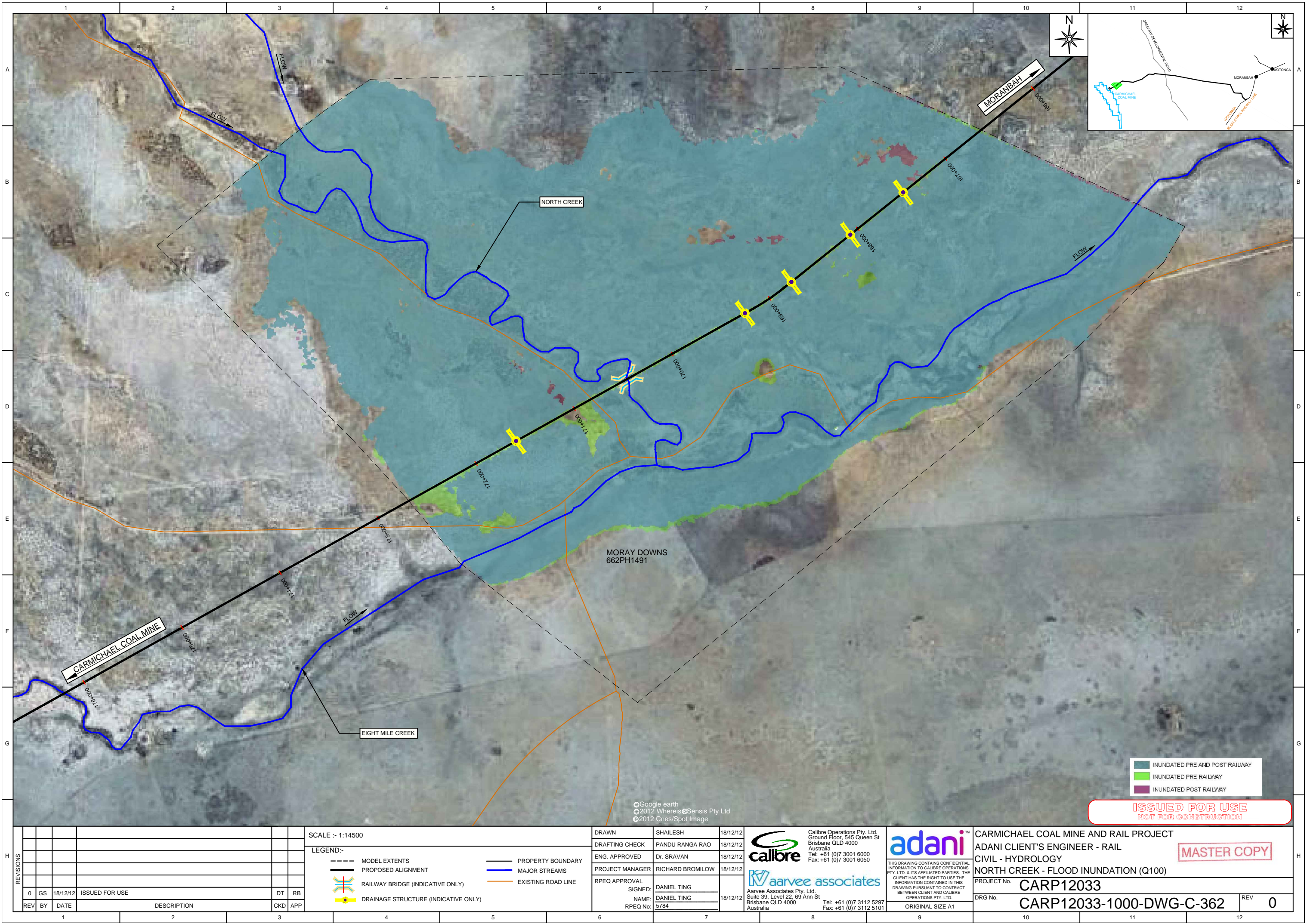


**Carmichael Coal Mine and Rail Project
Supplementary Environmental Impact Statement**

Volume 4, Appendix C3b – Operational Works Excavation and Filling

Containing

- Part 6 – Continued Supporting drawings



ISSUED FOR USE
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REV	BY	DATE	DESCRIPTION	CKD	APP
0	GS	18/12/12	ISSUED FOR USE	DT	RB

SCALE :- 1:14500	
LEGEND:-	
	MODEL EXTENTS
	PROPOSED ALIGNMENT
	PROPERTY BOUNDARY
	MAJOR STREAMS
	EXISTING ROAD LINE
	RAILWAY BRIDGE (INDICATIVE ONLY)
	DRAINAGE STRUCTURE (INDICATIVE ONLY)

DRAWN	SHAILESH	18/12/12
DRAFTING CHECK	PANDU RANGA RAO	18/12/12
ENG. APPROVED	Dr. SRAVAN	18/12/12
PROJECT MANAGER	RICHARD BROMILOW	18/12/12
RPEQ APPROVAL		
SIGNED:	DANIEL TING	18/12/12
NAME:	DANIEL TING	
RPEQ No:	5784	

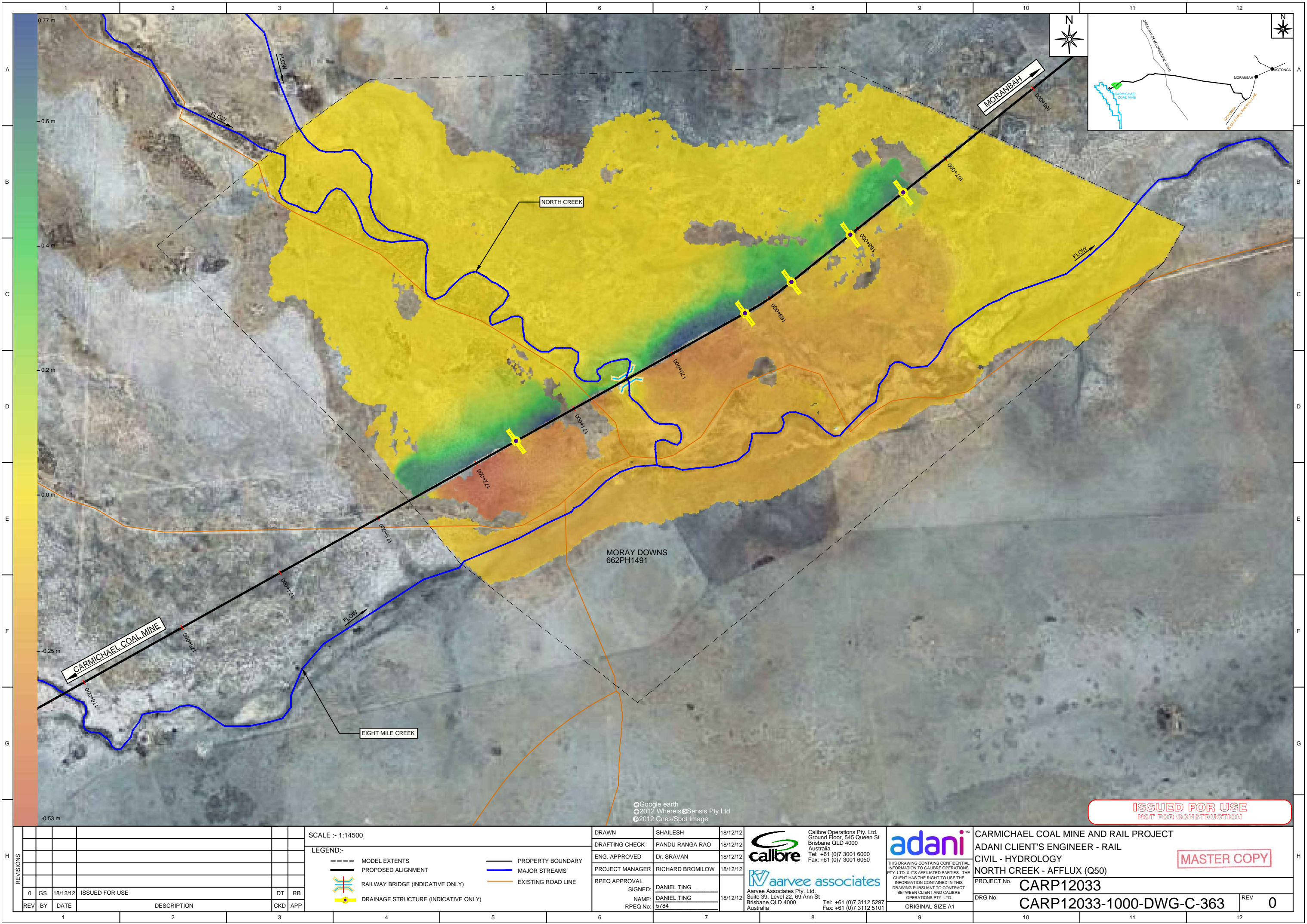
Calibre Operations Pty. Ltd.
Ground Floor, 545 Queen St
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Fax: +61 (0)7 3001 6050

Aarvee Associates Pty. Ltd.
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Fax: +61 (0)7 3112 5101

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ORIGINAL SIZE A1

CARMICHAEL COAL MINE AND RAIL PROJECT	
ADANI CLIENT'S ENGINEER - RAIL	
CIVIL - HYDROLOGY	
NORTH CREEK - FLOOD INUNDATION (Q100)	
PROJECT No.	CARP12033
DRG No.	CARP12033-1000-DWG-C-362
REV	0



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REVISIONS							
REV	BY	DATE	DESCRIPTION	CKD	APP		
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SCALE :- 1:14500			
LEGEND:-			
	MODEL EXTENTS		PROPERTY BOUNDARY
	PROPOSED ALIGNMENT		MAJOR STREAMS
	RAILWAY BRIDGE (INDICATIVE ONLY)		EXISTING ROAD LINE
	DRAINAGE STRUCTURE (INDICATIVE ONLY)		

DRAWN	SHAILESH	18/12/12
DRAFTING CHECK	PANDU RANGA RAO	18/12/12
ENG. APPROVED	Dr. SRAVAN	18/12/12
PROJECT MANAGER	RICHARD BROMILOW	18/12/12
RPEQ APPROVAL		
SIGNED:	DANIEL TING	18/12/12
NAME:	DANIEL TING	
RPEQ No:	5784	

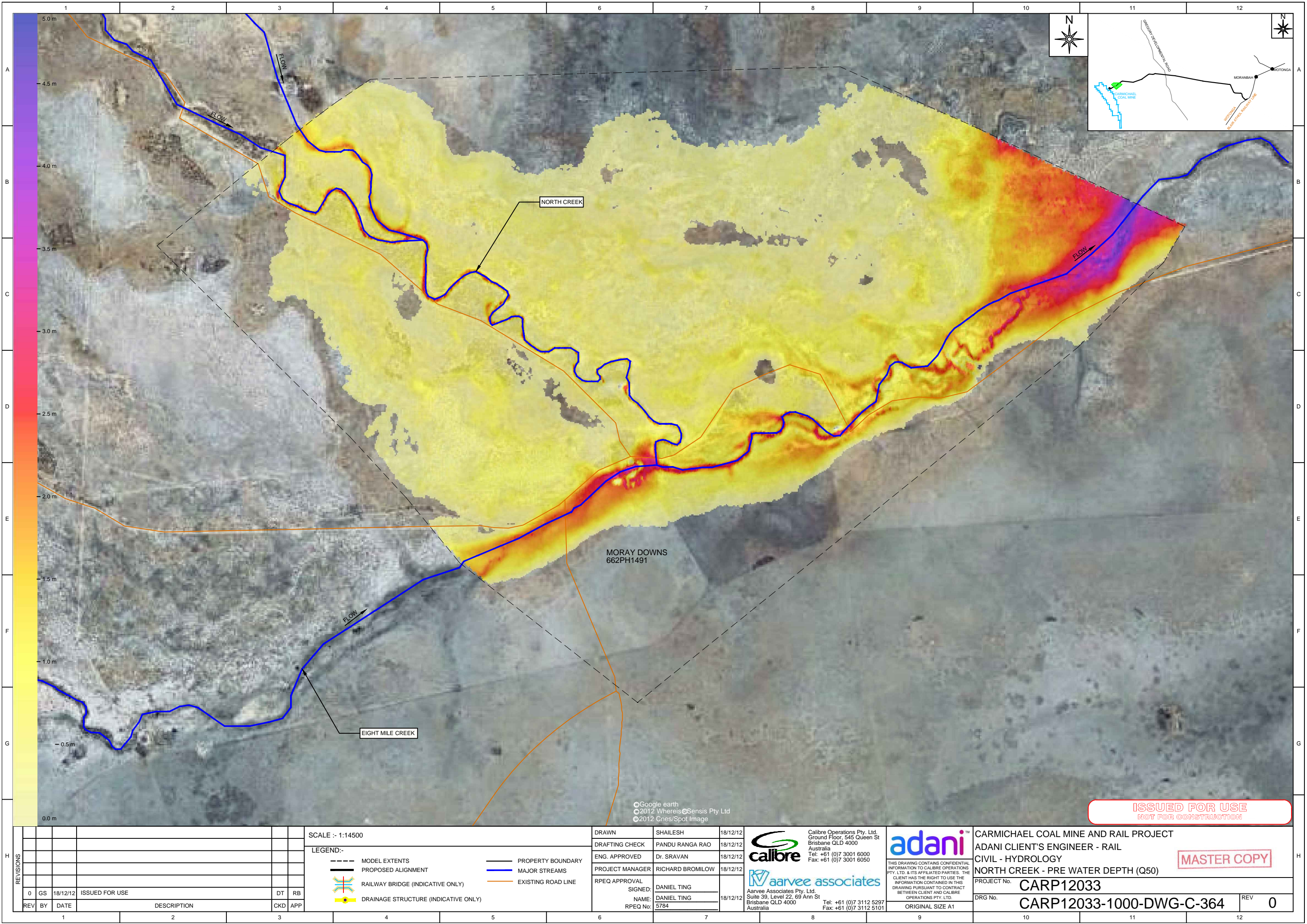
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ORIGINAL SIZE A1

CARMICHAEL COAL MINE AND RAIL PROJECT			
ADANI CLIENT'S ENGINEER - RAIL			
CIVIL - HYDROLOGY			
NORTH CREEK - AFFLUX (Q50)			
PROJECT No. CARP12033			
DRG No. CARP12033-1000-DWG-C-363			REV 0



REVISIONS						
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REV	BY	DATE	DESCRIPTION			CKD APP
1			2	3		

SCALE :- 1:14500

LEGEND:-

- MODEL EXTENTS
- PROPOSED ALIGNMENT
- RAILWAY BRIDGE (INDICATIVE ONLY)
- DRAINAGE STRUCTURE (INDICATIVE ONLY)
- PROPERTY BOUNDARY
- MAJOR STREAMS
- EXISTING ROAD LINE

DRAWN	SHAILESH	18/12/12
DRAFTING CHECK	PANDU RANGA RAO	18/12/12
ENG. APPROVED	Dr. SRAMAN	18/12/12
PROJECT MANAGER	RICHARD BROMILOW	18/12/12
RPEQ APPROVAL		
SIGNED:	DANIEL TING	
NAME:	DANIEL TING	18/12/12
RPEQ No:	5784	

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ORIGINAL SIZE A1

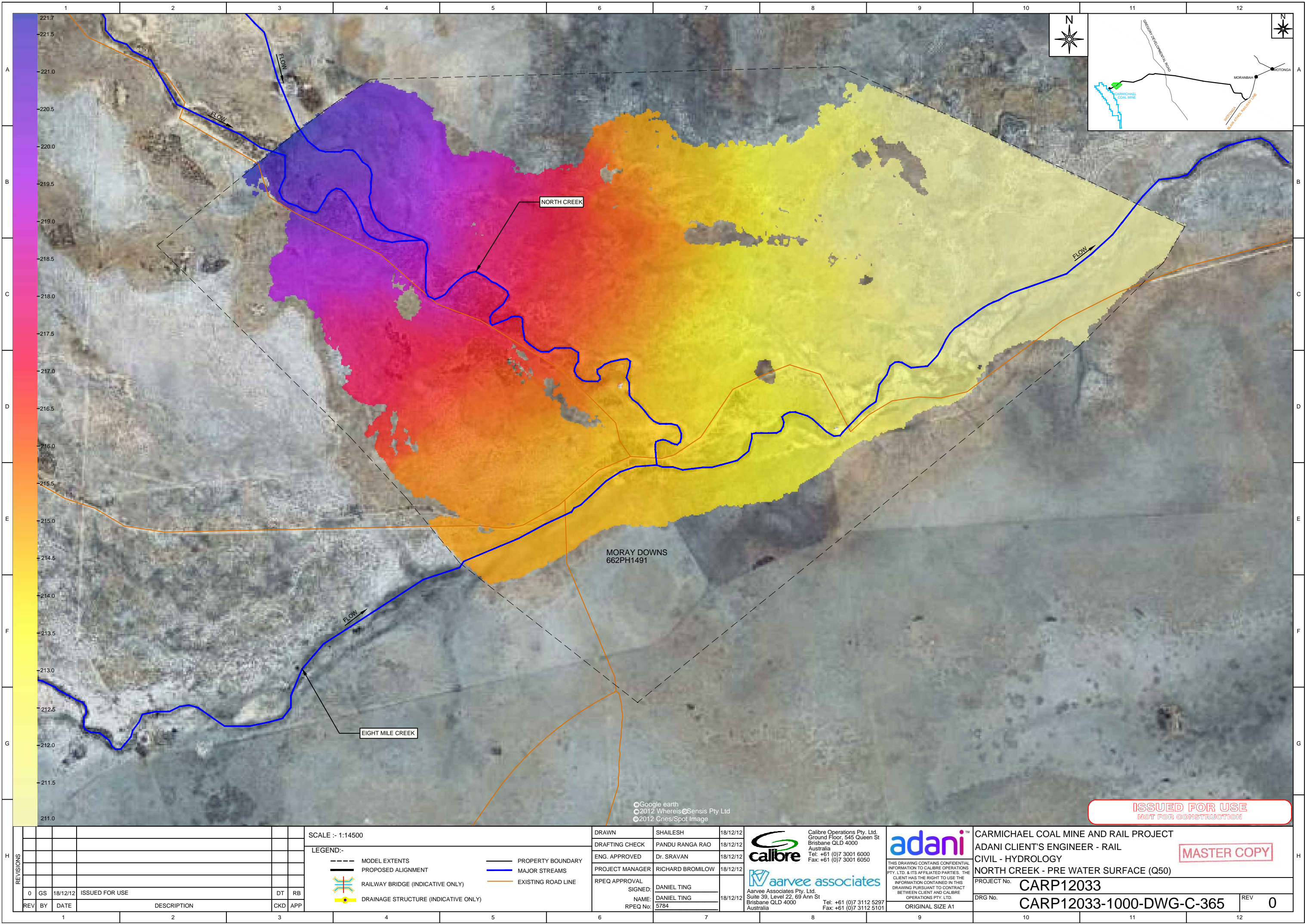
CARMICHAEL COAL MINE AND RAIL PROJECT
ADANI CLIENT'S ENGINEER - RAIL
CIVIL - HYDROLOGY
NORTH CREEK - PRE WATER DEPTH (Q50)

PROJECT No. **CARP12033**

DRG No. **CARP12033-1000-DWG-C-364**

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REV	BY	DATE	DESCRIPTION			CKD APP

SCALE :- 1:14500

LEGEND:-

MODEL EXTENTS

PROPOSED ALIGNMENT

RAILWAY BRIDGE (INDICATIVE ONLY)

DRAINAGE STRUCTURE (INDICATIVE ONLY)

PROPERTY BOUNDARY

MAJOR STREAMS

EXISTING ROAD LINE

DRAWN	SHAILESH	18/12/12
DRAFTING CHECK	PANDU RANGA RAO	18/12/12
ENG. APPROVED	Dr. SRAVAN	18/12/12
PROJECT MANAGER	RICHARD BROMILOW	18/12/12
RPEQ APPROVAL		
SIGNED:	DANIEL TING	
NAME:	DANIEL TING	18/12/12
RPEQ No:	5784	

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ORIGINAL SIZE A1

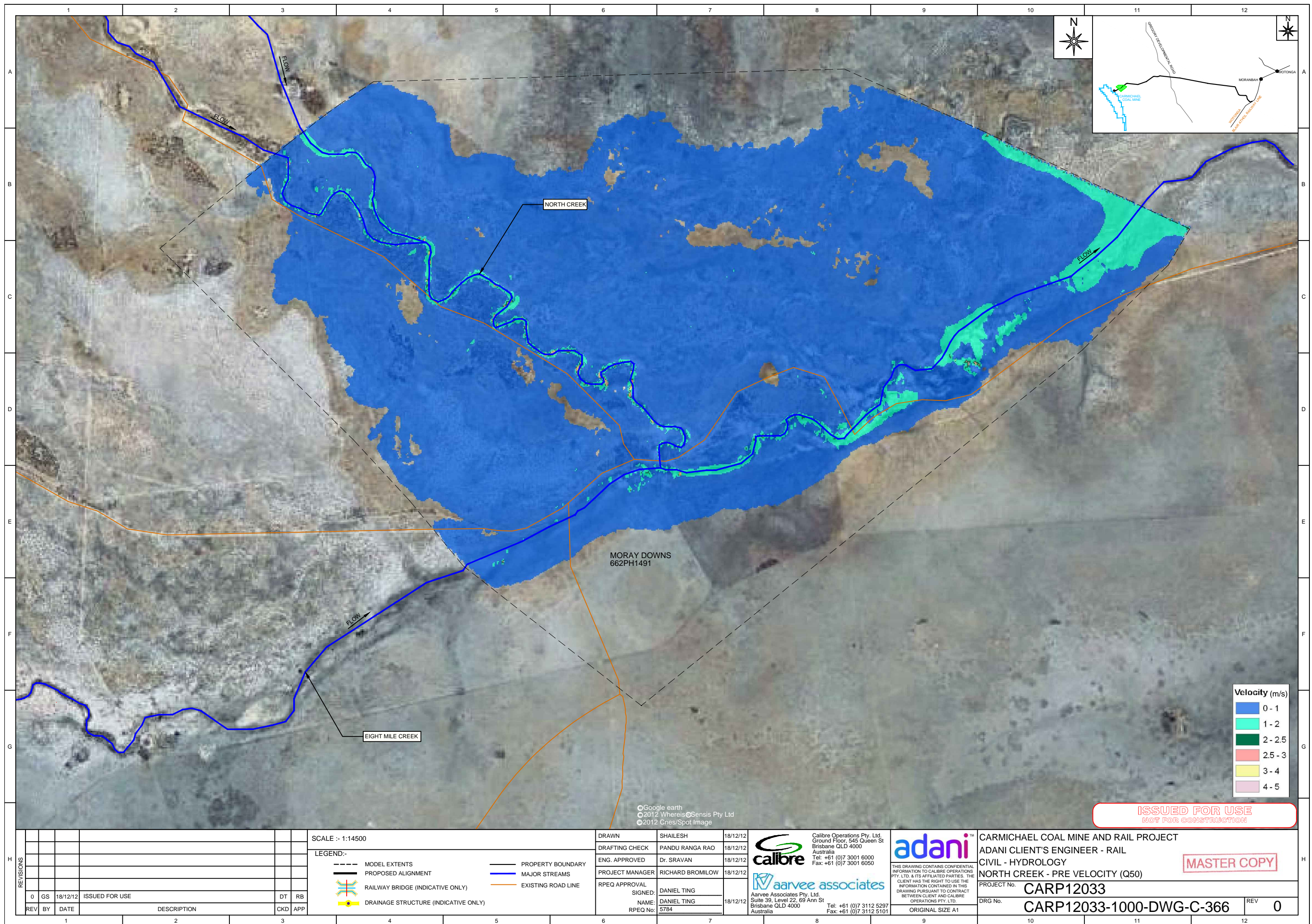
CARMICHAEL COAL MINE AND RAIL PROJECT
ADANI CLIENT'S ENGINEER - RAIL
CIVIL - HYDROLOGY
NORTH CREEK - PRE WATER SURFACE (Q50)

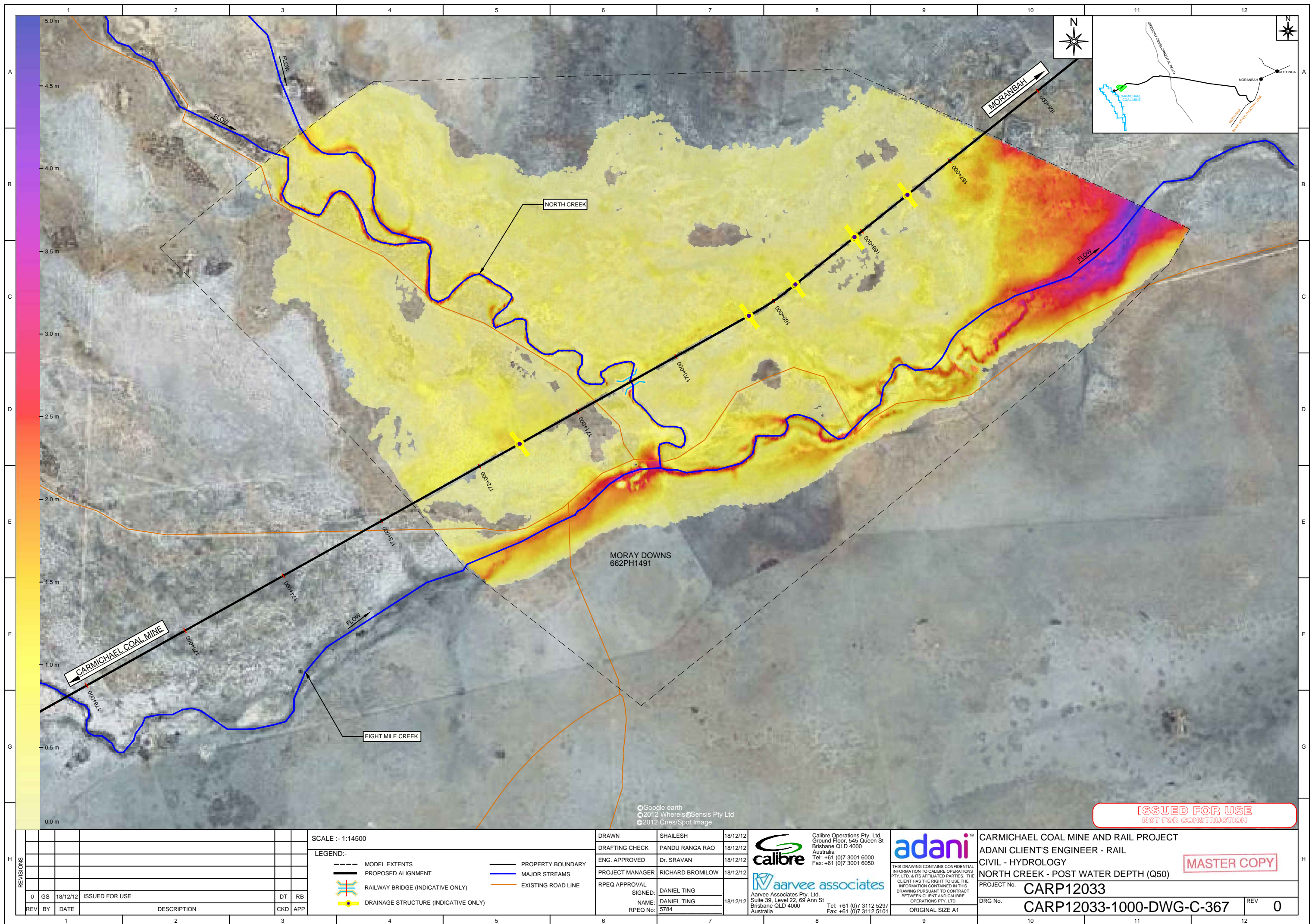
PROJECT No. **CARP12033**

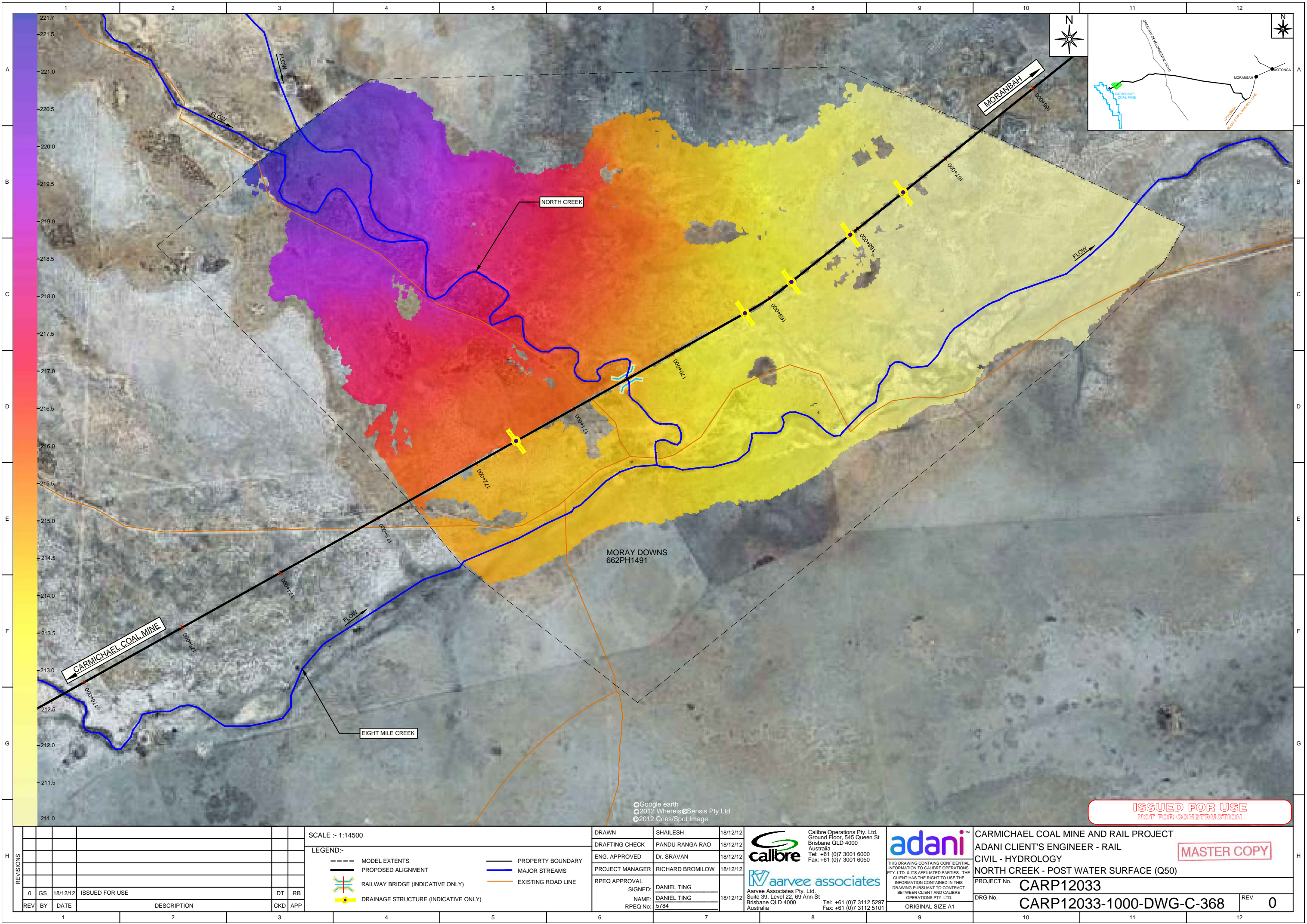
DRG No. **CARP12033-1000-DWG-C-365**

REV **0**

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REVISIONS					
REV	BY	DATE	DESCRIPTION	CKD	APP
0	GS	18/12/12	ISSUED FOR USE	DT	RB

SCALE :- 1:14500

LEGEND:-

- MODEL EXTENTS
- PROPOSED ALIGNMENT
- PROPERTY BOUNDARY
- MAJOR STREAMS
- RAILWAY BRIDGE (INDICATIVE ONLY)
- EXISTING ROAD LINE
- DRAINAGE STRUCTURE (INDICATIVE ONLY)

DRAWN	SHAILESH	18/12/12
DRAFTING CHECK	PANDU RANGA RAO	18/12/12
ENG. APPROVED	Dr. SRAVAN	18/12/12
PROJECT MANAGER	RICHARD BROMILOW	18/12/12
RPEQ APPROVAL	DANIEL TING	18/12/12
SIGNED:	DANIEL TING	18/12/12
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RPEQ No:	5784	

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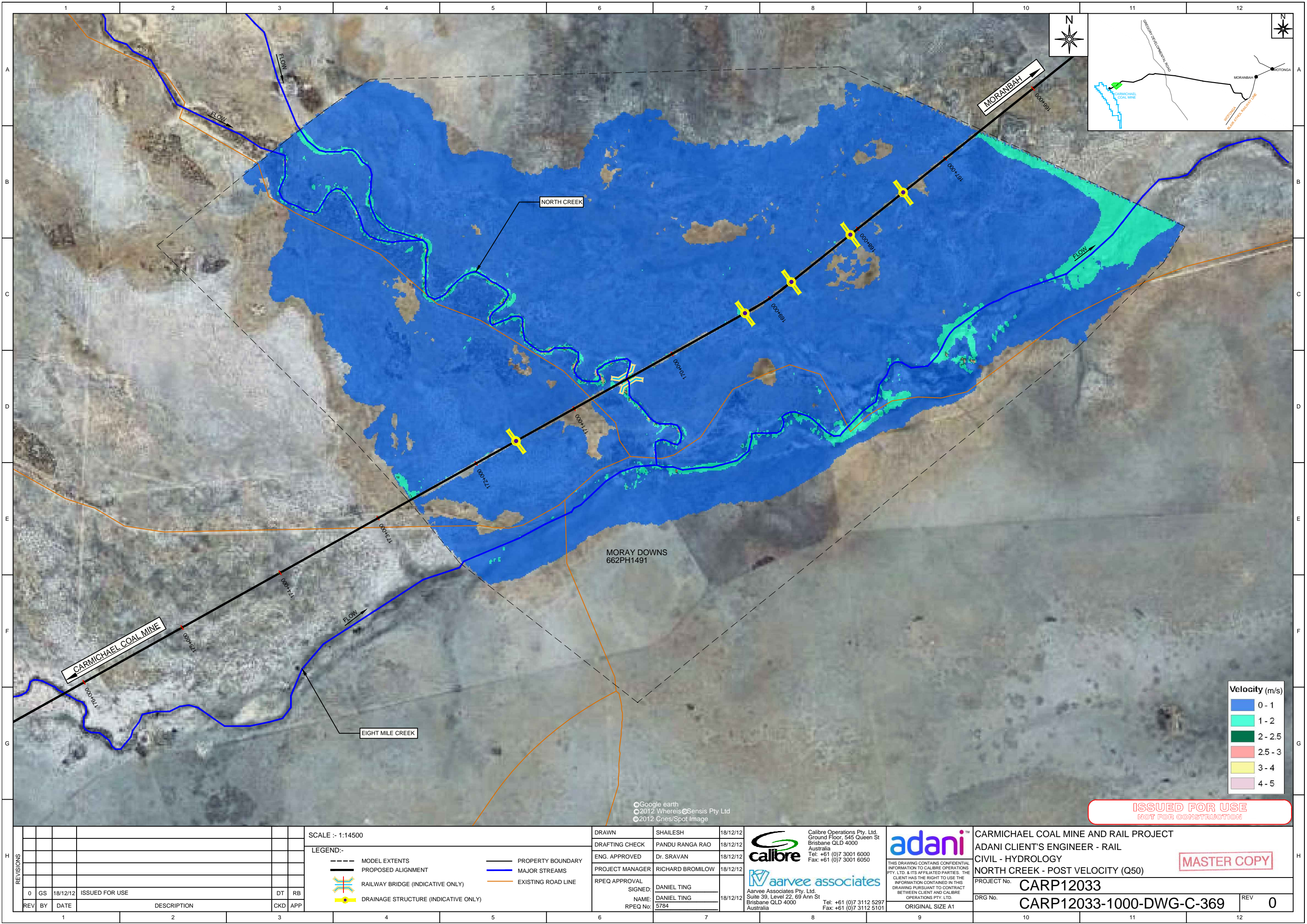
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ORIGINAL SIZE A1

CARMICHAEL COAL MINE AND RAIL PROJECT					
ADANI CLIENT'S ENGINEER - RAIL					
CIVIL - HYDROLOGY					
NORTH CREEK - POST WATER SURFACE (Q50)					
PROJECT No. CARP12033					
DRG No. CARP12033-1000-DWG-C-368					
REV 0					



REVISIONS												
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REV	BY	DATE	DESCRIPTION							CKD	APP	
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SCALE :- 1:14500

LEGEND:-

- MODEL EXTENTS
- PROPOSED ALIGNMENT
- RAILWAY BRIDGE (INDICATIVE ONLY)
- DRAINAGE STRUCTURE (INDICATIVE ONLY)
- PROPERTY BOUNDARY
- MAJOR STREAMS
- EXISTING ROAD LINE

DRAWN	SHAILESH	18/12/12
DRAFTING CHECK	PANDU RANGA RAO	18/12/12
ENG. APPROVED	Dr. SRAVAN	18/12/12
PROJECT MANAGER	RICHARD BROMILOW	18/12/12
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ORIGINAL SIZE A1

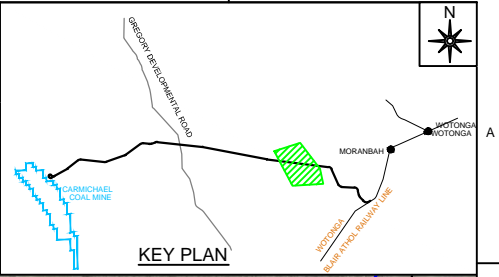
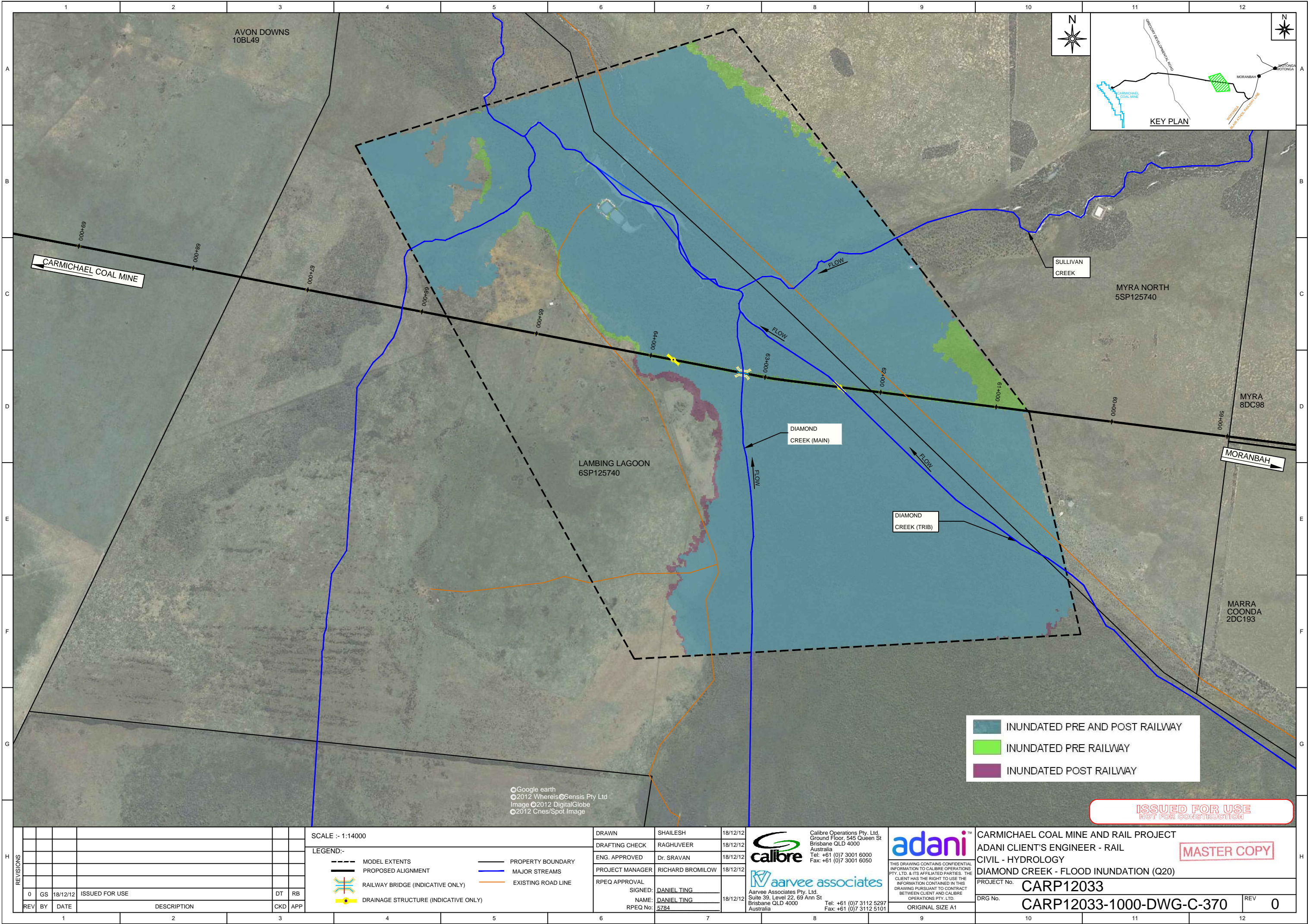
CARMICHAEL COAL MINE AND RAIL PROJECT
ADANI CLIENT'S ENGINEER - RAIL
CIVIL - HYDROLOGY
NORTH CREEK - POST VELOCITY (Q50)

PROJECT No. **CARP12033**

DRG No. **CARP12033-1000-DWG-C-369**

REV **0**

MASTER COPY



	INUNDATED PRE AND POST RAILWAY
	INUNDATED PRE RAILWAY
	INUNDATED POST RAILWAY

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SCALE :- 1:14000	
LEGEND:-	
	MODEL EXTENTS
	PROPOSED ALIGNMENT
	MAJOR STREAMS
	EXISTING ROAD LINE
	RAILWAY BRIDGE (INDICATIVE ONLY)
	DRAINAGE STRUCTURE (INDICATIVE ONLY)
	PROPERTY BOUNDARY

DRAWN	SHAILESH	18/12/12
DRAFTING CHECK	RAGHUVeer	18/12/12
ENG. APPROVED	Dr. SRAVAN	18/12/12
PROJECT MANAGER	RICHARD BROMILOV	18/12/12
RPEQ APPROVAL	SIGNED: DANIEL TING	
	NAME: DANIEL TING	18/12/12
	RPEQ No: 5784	

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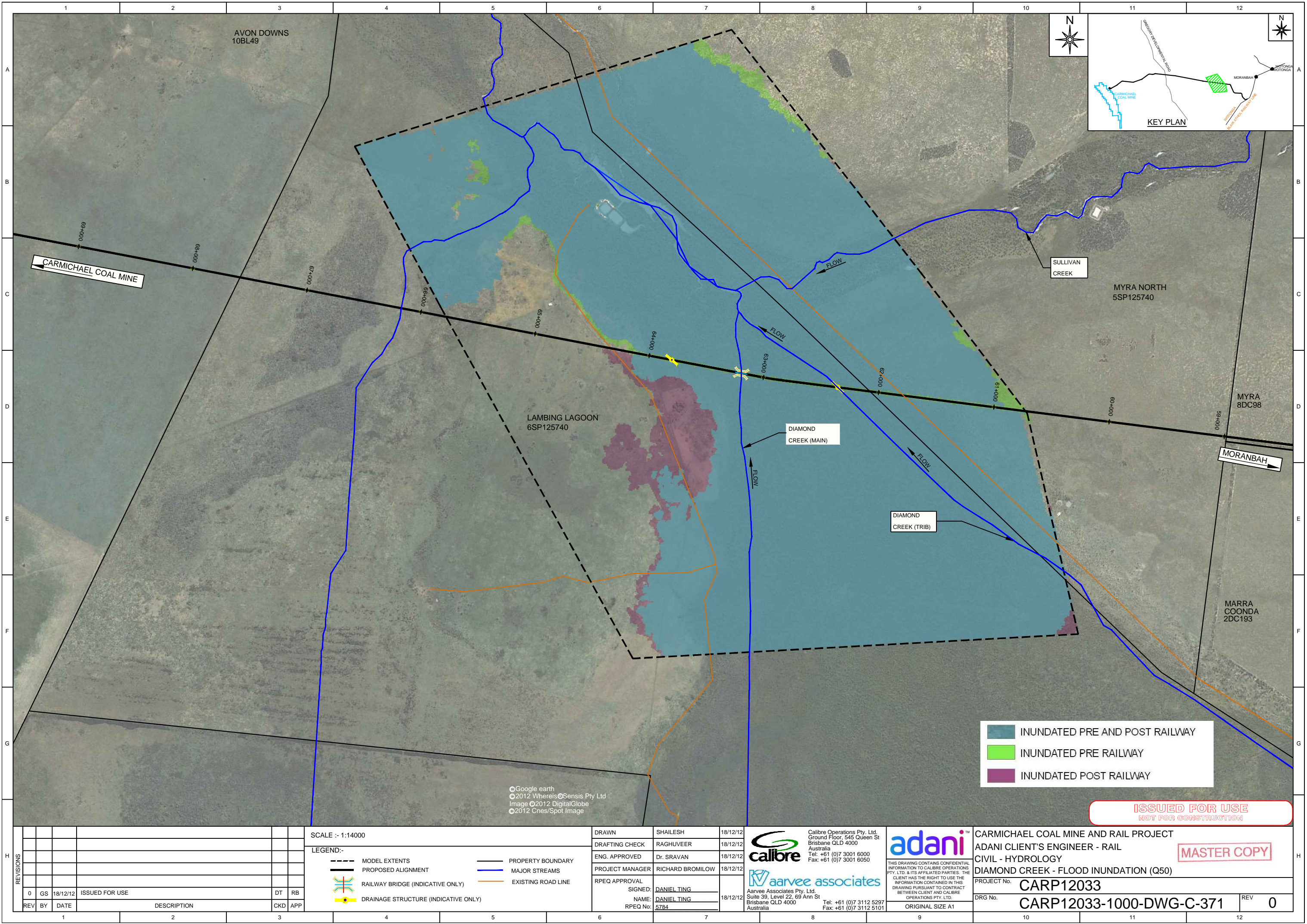
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ORIGINAL SIZE A1

CARMICHAEL COAL MINE AND RAIL PROJECT	
ADANI CLIENT'S ENGINEER - RAIL	
CIVIL - HYDROLOGY	
DIAMOND CREEK - FLOOD INUNDATION (Q20)	
PROJECT No.	CARP12033
DRG No.	CARP12033-1000-DWG-C-370
REV	0

REVISIONS											
REV	BY	DATE	DESCRIPTION				CKD	APP			
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INUNDATED PRE AND POST RAILWAY

INUNDATED PRE RAILWAY

INUNDATED POST RAILWAY

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REVISIONS											
	0	GS	18/12/12	ISSUED FOR USE						DT	RB
REV	BY	DATE	DESCRIPTION						CKD	APP	

SCALE :- 1:14000

LEGEND:-

MODEL EXTENTS

PROPOSED ALIGNMENT

RAILWAY BRIDGE (INDICATIVE ONLY)

DRAINAGE STRUCTURE (INDICATIVE ONLY)

PROPERTY BOUNDARY

MAJOR STREAMS

EXISTING ROAD LINE

DRAWN	SHAILESH	18/12/12
DRAFTING CHECK	RAGHUVVEER	18/12/12
ENG. APPROVED	DR. SRAVAN	18/12/12
PROJECT MANAGER	RICHARD BROMILOV	18/12/12
RPEQ APPROVAL		
SIGNED:	DANIEL TING	18/12/12
NAME:	DANIEL TING	
RPEQ No:	5784	

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ORIGINAL SIZE A1

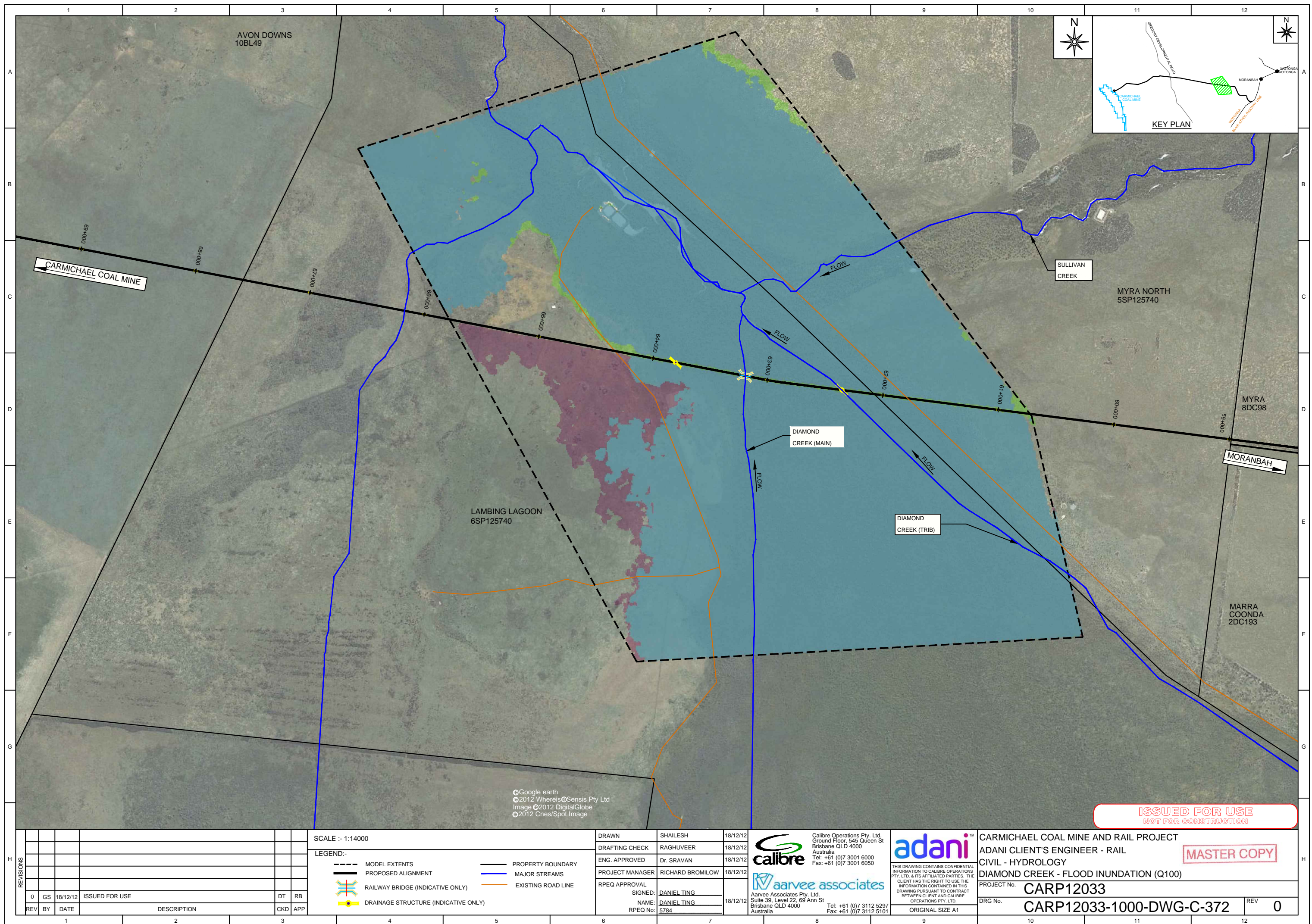
CARMICHAEL COAL MINE AND RAIL PROJECT
ADANI CLIENT'S ENGINEER - RAIL
CIVIL - HYDROLOGY
DIAMOND CREEK - FLOOD INUNDATION (Q50)

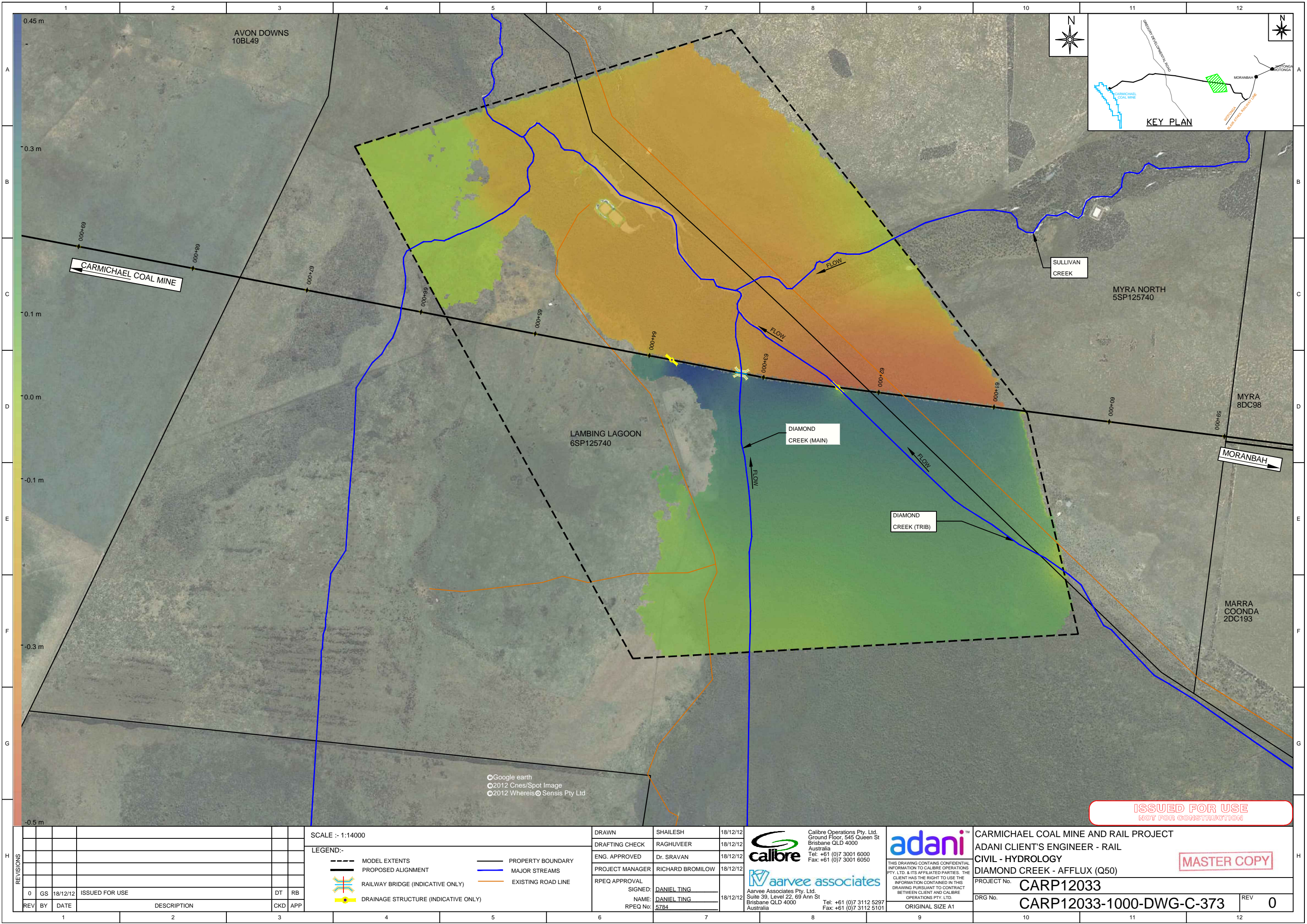
PROJECT No. **CARP12033**

DRG No. **CARP12033-1000-DWG-C-371**

REV **0**

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REVISIONS							
REV	BY	DATE	DESCRIPTION	CKD	APP		
0	GS	18/12/12	ISSUED FOR USE	DT	RB		

SCALE :- 1:14000			
LEGEND:-			
	MODEL EXTENTS		PROPERTY BOUNDARY
	PROPOSED ALIGNMENT		MAJOR STREAMS
	RAILWAY BRIDGE (INDICATIVE ONLY)		EXISTING ROAD LINE
	DRAINAGE STRUCTURE (INDICATIVE ONLY)		

DRAWN	SHAILESH	18/12/12
DRAFTING CHECK	RAGHUVEER	18/12/12
ENG. APPROVED	DR. SRAVAN	18/12/12
PROJECT MANAGER	RICHARD BROMILOW	18/12/12
RPEQ APPROVAL		
SIGNED:	DANIEL TING	18/12/12
NAME:	DANIEL TING	
RPEQ No:	5784	

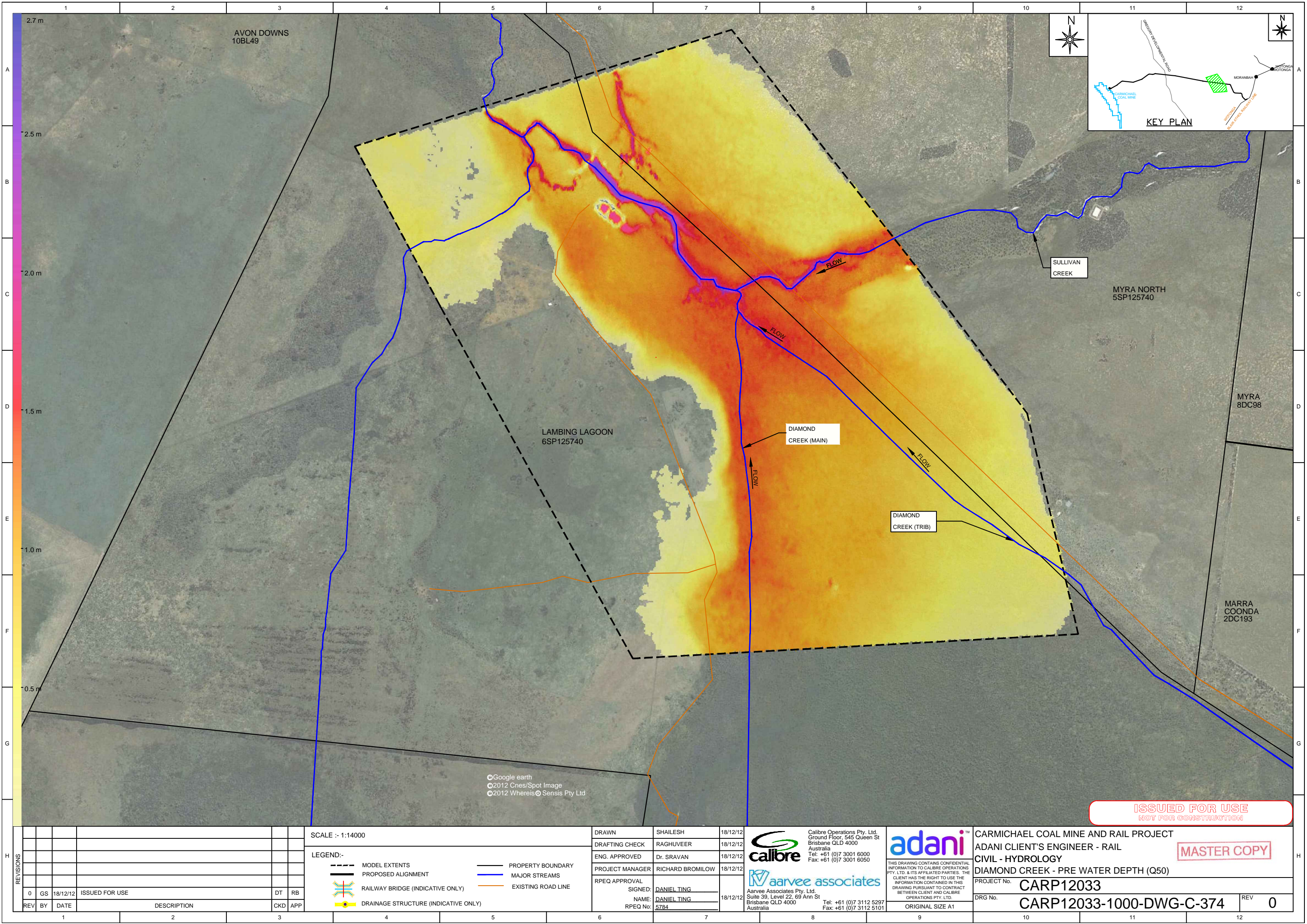
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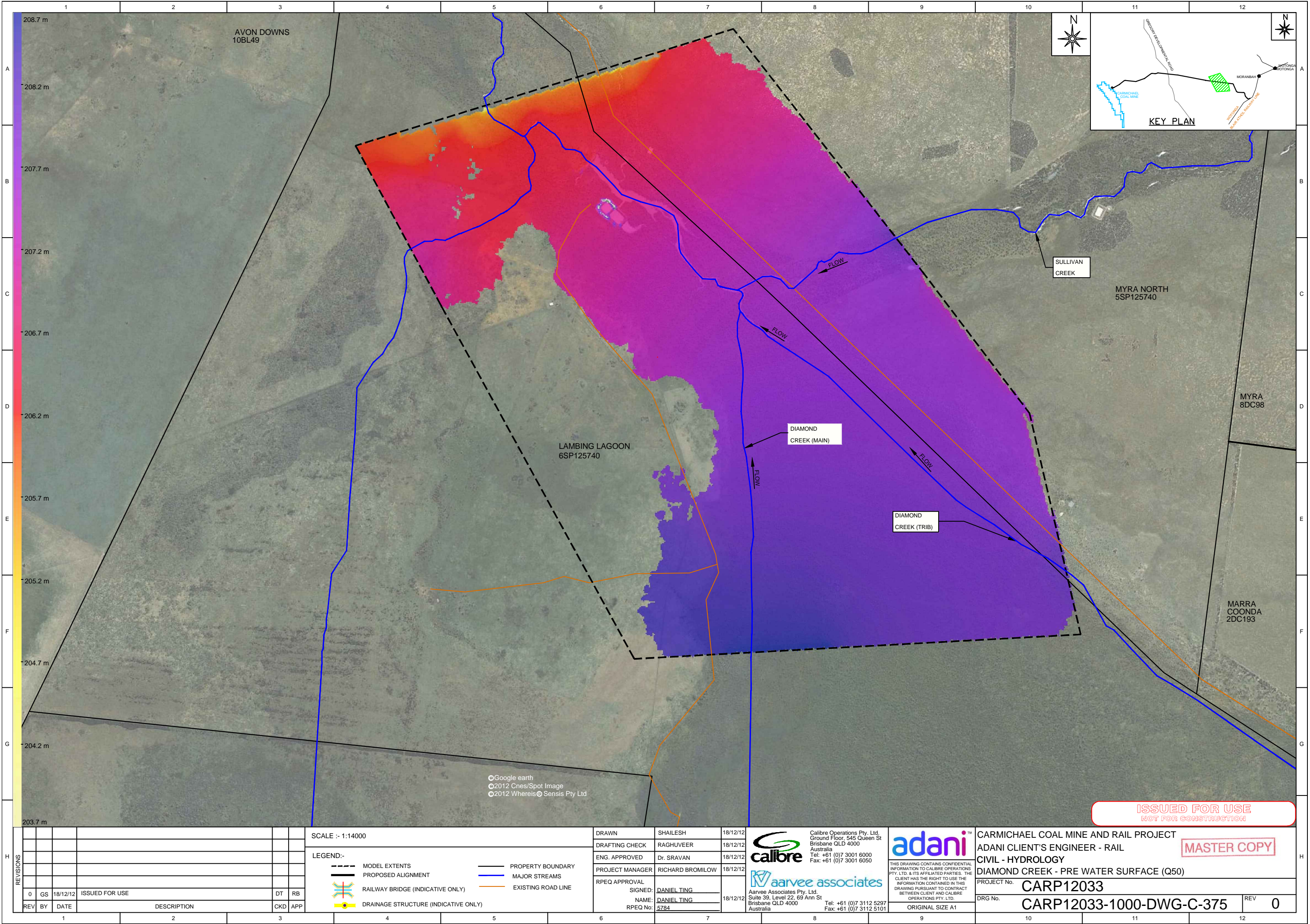
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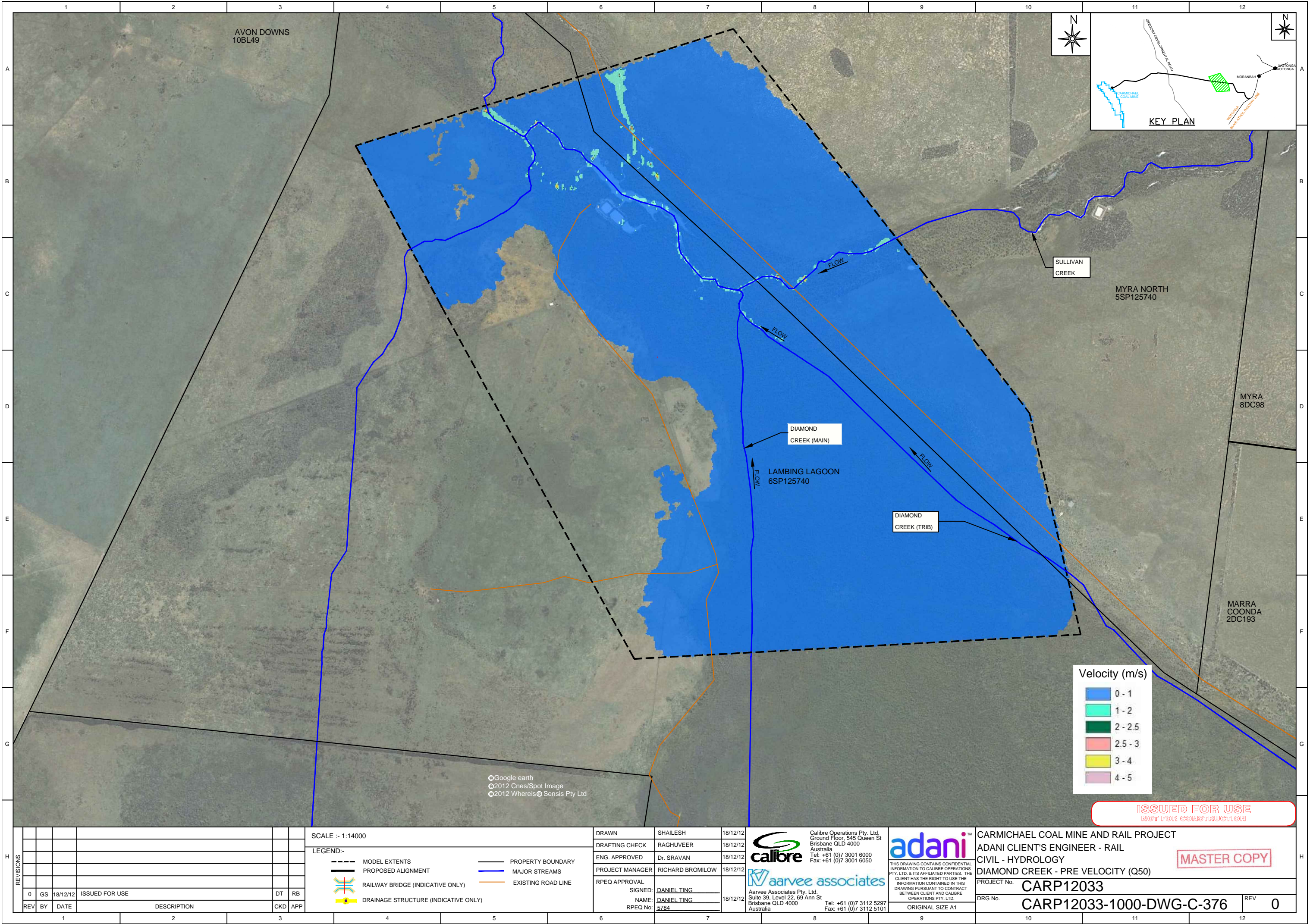
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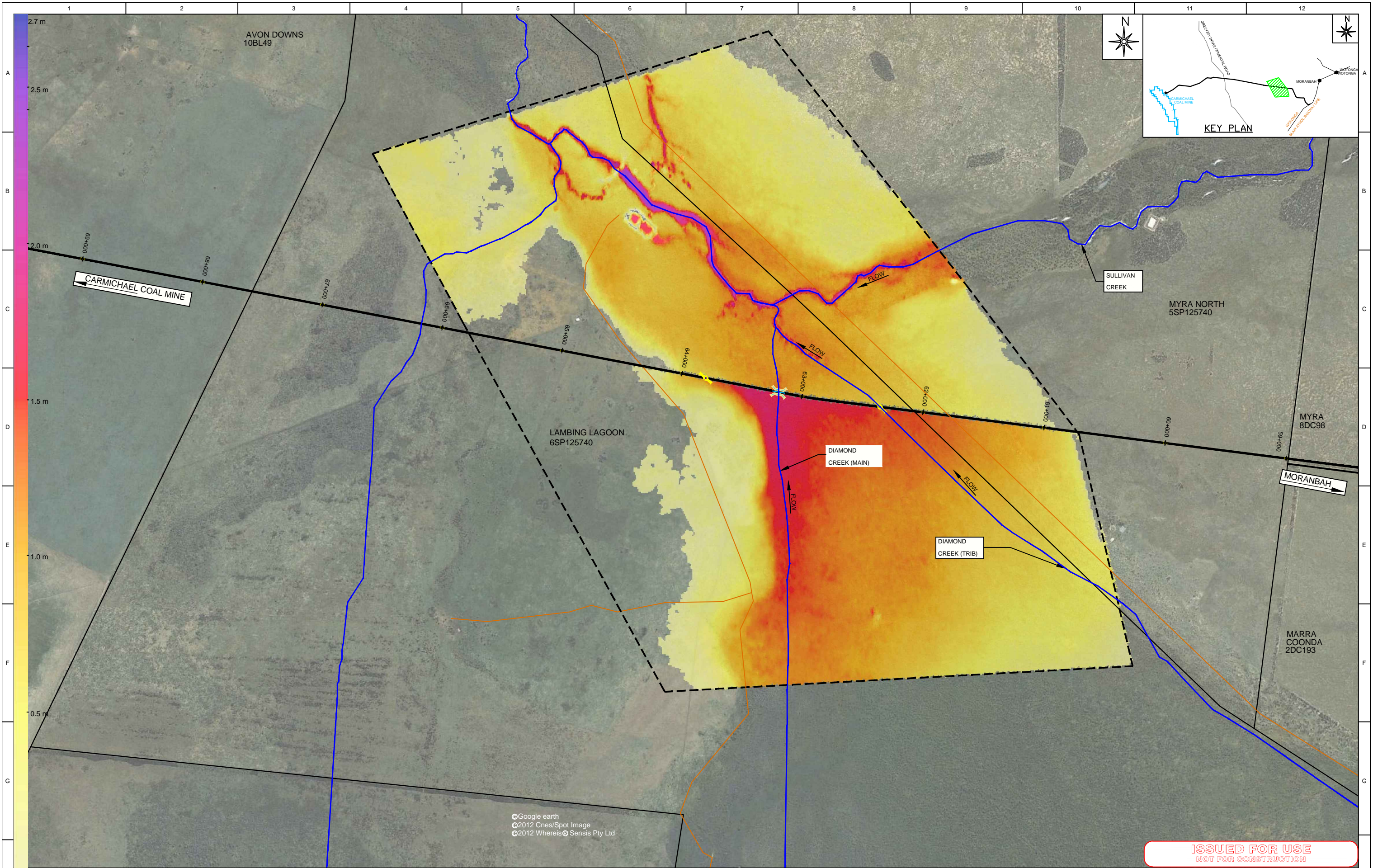
ORIGINAL SIZE A1

CARMICHAEL COAL MINE AND RAIL PROJECT			
ADANI CLIENT'S ENGINEER - RAIL			
CIVIL - HYDROLOGY			
DIAMOND CREEK - AFFLUX (Q50)			
PROJECT No.	CARP12033		
DRG No.	CARP12033-1000-DWG-C-373		
REV	0		









REVISIONS							
REV	BY	DATE	DESCRIPTION			CKD	APP
0	GS	18/12/12	ISSUED FOR USE			DT	RB

SCALE :- 1:14000

LEGEND:-

--- MODEL EXTENTS

--- PROPOSED ALIGNMENT

RAILWAY BRIDGE (INDICATIVE ONLY)

DRAINAGE STRUCTURE (INDICATIVE ONLY)

--- PROPERTY BOUNDARY

--- MAJOR STREAMS

--- EXISTING ROAD LINE

DRAWN	SHAILESH	18/12/12
DRAFTING CHECK	RAGHUVVEER	18/12/12
ENG. APPROVED	DR. SRAMAN	18/12/12
PROJECT MANAGER	RICHARD BROMILOV	18/12/12
RPEQ APPROVAL	SIGNED: DANIEL TING	
	NAME: DANIEL TING	
	RPEQ No: 5784	

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ORIGINAL SIZE A1

CARMICHAEL COAL MINE AND RAIL PROJECT

ADANI CLIENT'S ENGINEER - RAIL

CIVIL - HYDROLOGY

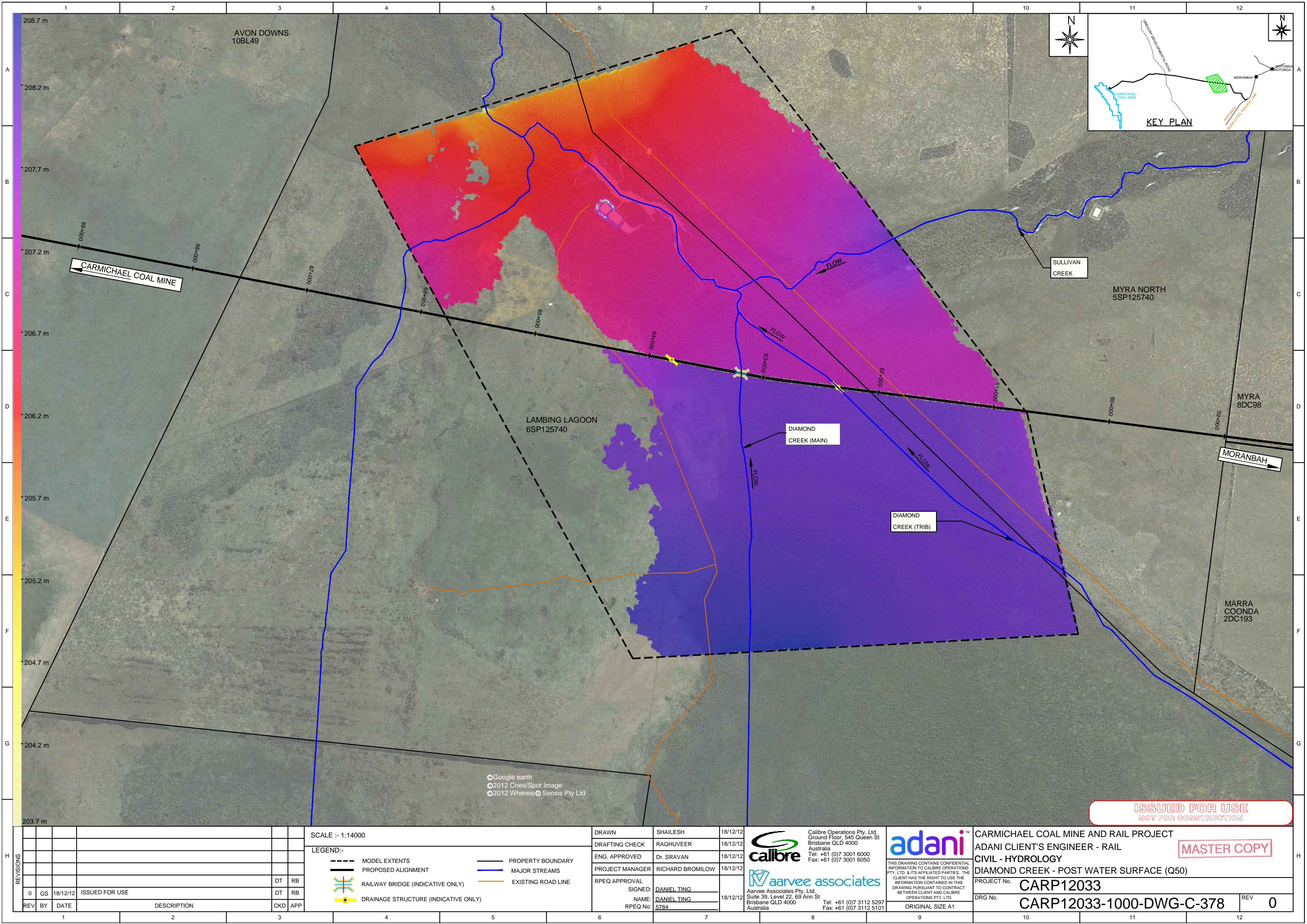
DIAMOND CREEK - POST WATER DEPTH (Q50)

MASTER COPY

PROJECT No. CARP12033

DRG No. CARP12033-1000-DWG-C-377

REV 0



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SCALE :- 1:14000			
LEGEND:-			
	MODEL EXTENTS		PROPERTY BOUNDARY
	PROPOSED ALIGNMENT		MAJOR STREAMS
	RAILWAY BRIDGE (INDICATIVE ONLY)		EXISTING ROAD LINE
	DRAINAGE STRUCTURE (INDICATIVE ONLY)		

DRAWN	SHAILESH	18/12/12
DRAFTING CHECK	RAGHUVVEER	18/12/12
ENG. APPROVED	DR. SRAVAN	18/12/12
PROJECT MANAGER	RICHARD BROMILOV	18/12/12
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SIGNED:	DANIEL TING	18/12/12
NAME:	DANIEL TING	
RPEQ No:	5784	

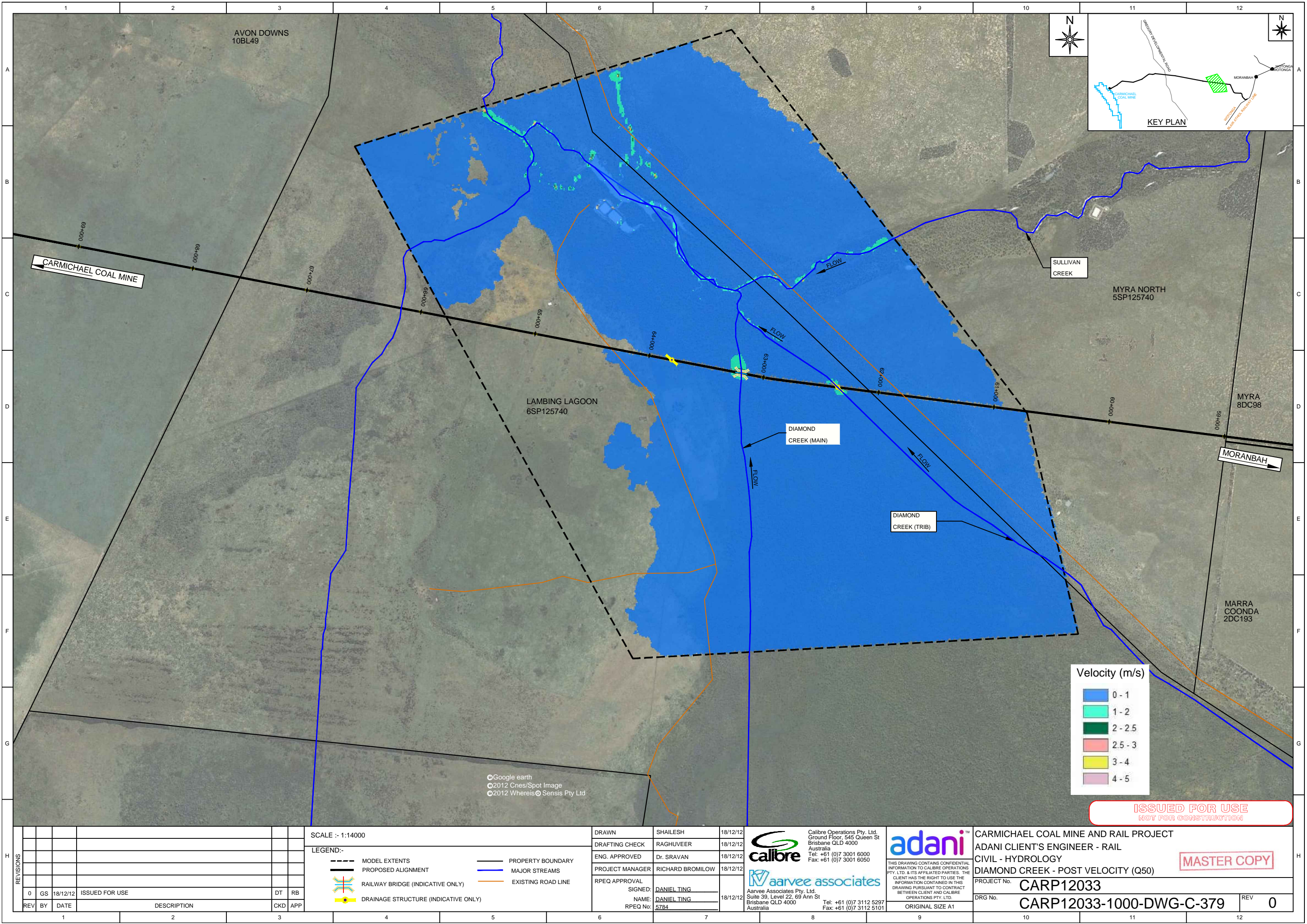
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ORIGINAL SIZE A1

CARMICHAEL COAL MINE AND RAIL PROJECT			MASTER COPY
ADANI CLIENT'S ENGINEER - RAIL			
CIVIL - HYDROLOGY			
DIAMOND CREEK - POST WATER SURFACE (Q50)			
PROJECT No.	CARP12033		
DRG No.	CARP12033-1000-DWG-C-378		REV 0



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SCALE :- 1:14000	
LEGEND:-	
	MODEL EXTENTS
	PROPOSED ALIGNMENT
	MAJOR STREAMS
	EXISTING ROAD LINE
	RAILWAY BRIDGE (INDICATIVE ONLY)
	DRAINAGE STRUCTURE (INDICATIVE ONLY)
	PROPERTY BOUNDARY

1	2	3	4	5	6	7	8	9	10	11	12
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DRAWN	SHAILESH	18/12/12
DRAFTING CHECK	RAGHUVVEER	18/12/12
ENG. APPROVED	Dr. SRAVAN	18/12/12
PROJECT MANAGER	RICHARD BROMILOV	18/12/12
RPEQ APPROVAL		
SIGNED:	DANIEL TING	18/12/12
NAME:	DANIEL TING	
RPEQ No:	5784	

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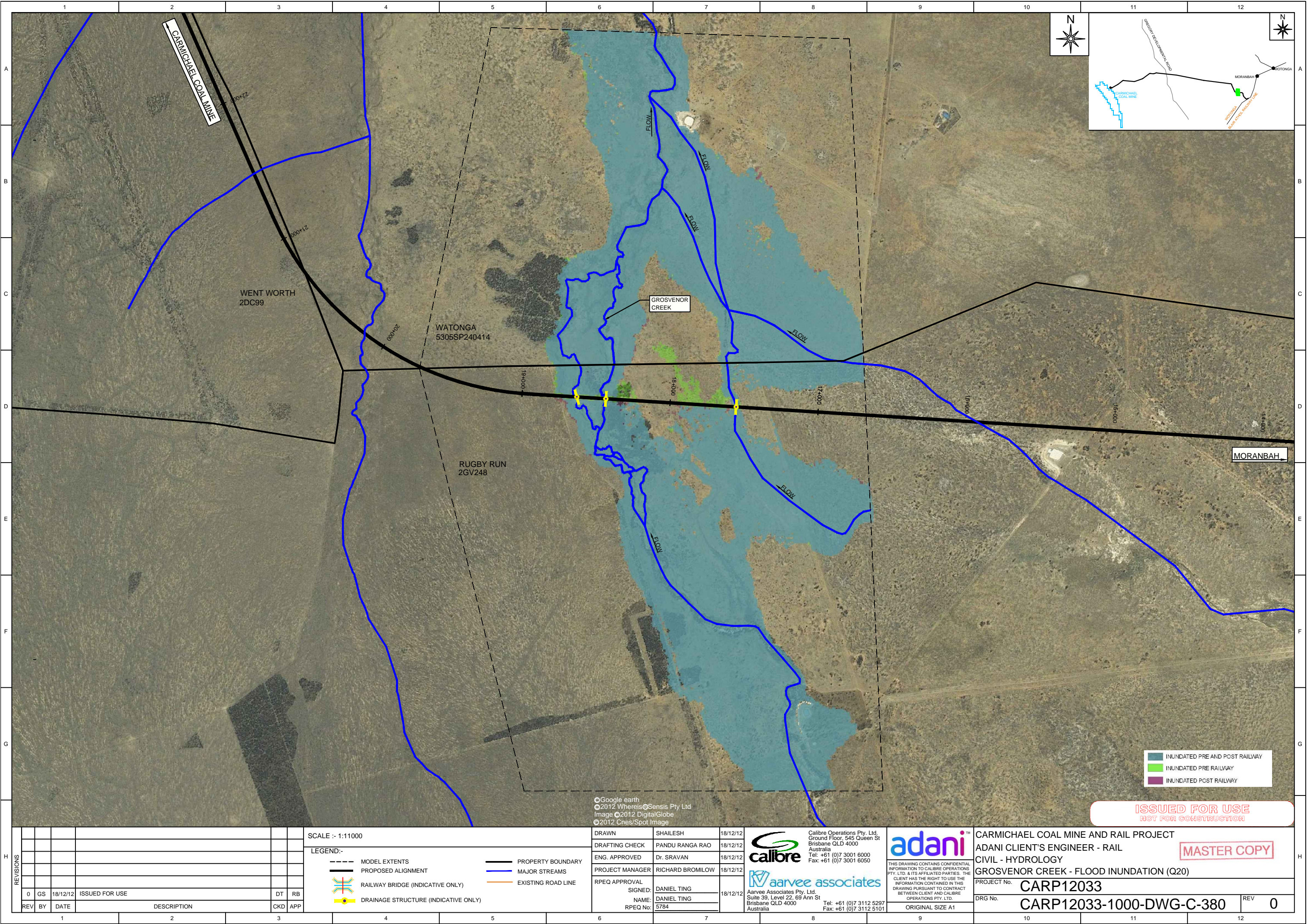
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ORIGINAL SIZE A1

CARMICHAEL COAL MINE AND RAIL PROJECT	
ADANI CLIENT'S ENGINEER - RAIL	
CIVIL - HYDROLOGY	
DIAMOND CREEK - POST VELOCITY (Q50)	
PROJECT No.	CARP12033
DRG No.	CARP12033-1000-DWG-C-379
REV	0

REVISIONS											
REV	BY	DATE	DESCRIPTION				CKD	APP			
0	GS	18/12/12	ISSUED FOR USE				DT	RB			

1	2	3	4	5	6	7	8	9	10	11	12
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REVISIONS						
	0	GS	18/12/12	ISSUED FOR USE		DT RB
REV	BY	DATE	DESCRIPTION		CKD	APP

SCALE :- 1:11000

LEGEND:-

MODEL EXTENTS

—

PROPOSED ALIGNMENT

RAILWAY BRIDGE (INDICATIVE ONLY)

DRAINAGE STRUCTURE (INDICATIVE ONLY)

—

PROPERTY BOUNDARY

MAJOR STREAMS

EXISTING ROAD LINE

DRAWN	SHAILESH	18/12/12
DRAFTING CHECK	PANDU RANGA RAO	18/12/12
ENG. APPROVED	Dr. SRAVAN	18/12/12
PROJECT MANAGER	RICHARD BROMILOW	18/12/12
RPEQ APPROVAL		
SIGNED:	DANIEL TING	18/12/12
NAME:	DANIEL TING	
RPEQ No:	5784	

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ORIGINAL SIZE A1

CARMICHAEL COAL MINE AND RAIL PROJECT
ADANI CLIENT'S ENGINEER - RAIL
CIVIL - HYDROLOGY
GROSVENOR CREEK - FLOOD INUNDATION (Q20)

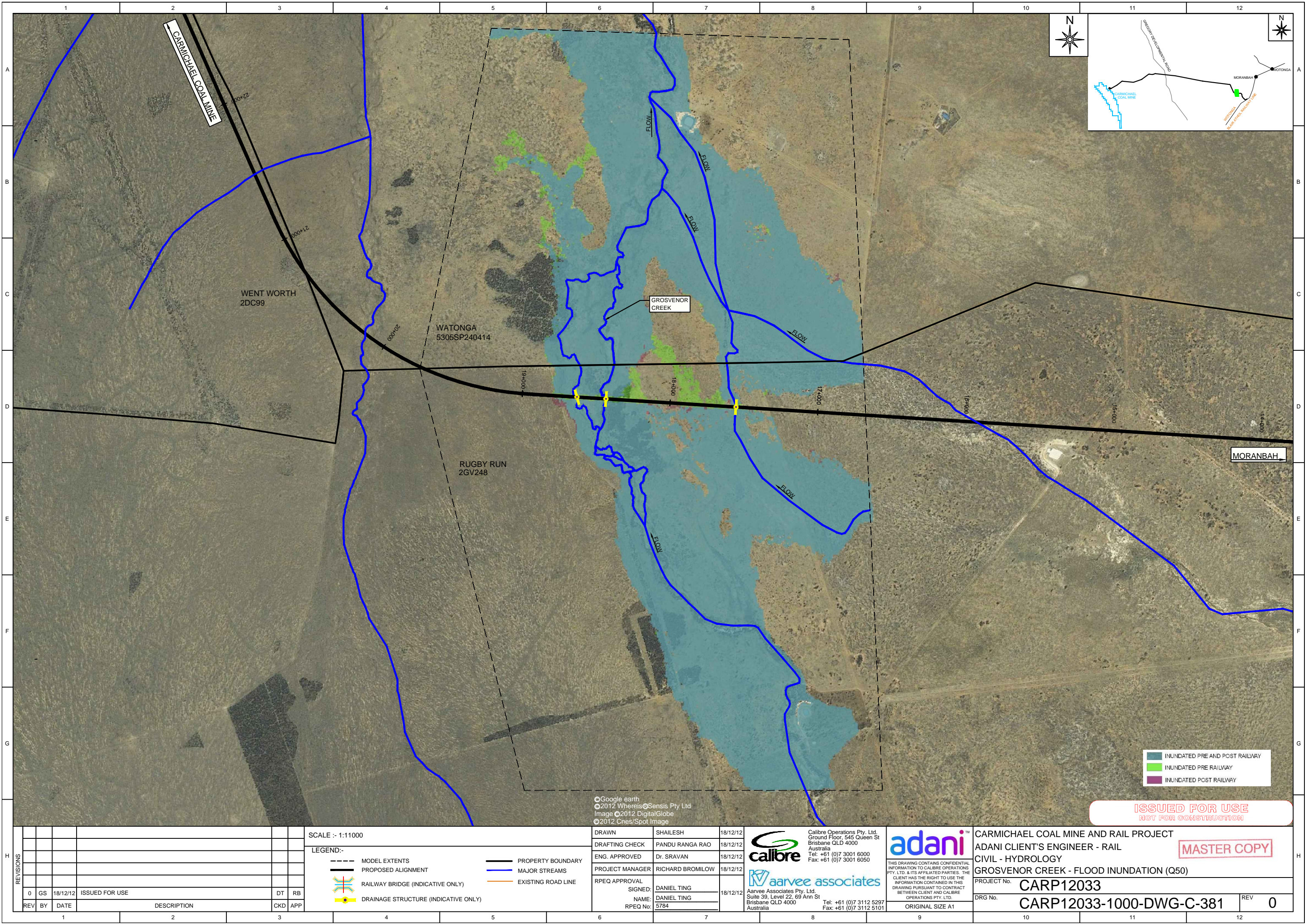
PROJECT No. **CARP12033**

DRG No. **CARP12033-1000-DWG-C-380**

REV **0**

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NOT FOR CONSTRUCTION

MASTER COPY



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NOT FOR CONSTRUCTION

REVISIONS						
REV	BY	DATE	DESCRIPTION			CKD APP
0	GS	18/12/12	ISSUED FOR USE			DT RB

SCALE :- 1:11000

LEGEND:-

--- MODEL EXTENTS	--- PROPERTY BOUNDARY
--- PROPOSED ALIGNMENT	--- MAJOR STREAMS
--- RAILWAY BRIDGE (INDICATIVE ONLY)	--- EXISTING ROAD LINE
--- DRAINAGE STRUCTURE (INDICATIVE ONLY)	

DRAWN	SHAILESH	18/12/12
DRAFTING CHECK	PANDU RANGA RAO	18/12/12
ENG. APPROVED	Dr. SRAVAN	18/12/12
PROJECT MANAGER	RICHARD BROMILOW	18/12/12
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aarvee associates

adani

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ORIGINAL SIZE A1

CARMICHAEL COAL MINE AND RAIL PROJECT
ADANI CLIENT'S ENGINEER - RAIL
CIVIL - HYDROLOGY
GROSVENOR CREEK - FLOOD INUNDATION (Q50)

PROJECT No. **CARP12033**

DRG No. **CARP12033-1000-DWG-C-381**

REV **0**

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