

Permit Application (ID: 10006250) - COMPLETE

Lodged On: 29/08/2019 02:03 PM

PERMIT DETAILS

Permit name:	Coppabella Moorvale Millennium Pipeline
Permit type:	Mining Lease - Transport s316 (Coal or oil shale)
Permit term:	21 Years
Permit subtype:	Coal or oil shale
General locality of the application:	5km north-east of Coppabella
Specific infrastructures:	Pipeline

PERMIT HOLDER DETAILS

Client name	Percent holding	Authorised
MAPELLA PTY LTD	7.000000000000	No
KC RESOURCES PTY. LTD.	3.700000000000	No
CITIC AUSTRALIA COPPABELLA PTY LTD	14.000000000000	No
NS COAL PTY LTD	2.000000000000	No
PEABODY COPPABELLA PTY LTD	73.300000000000	Yes

Holder address details:

Holder:	PEABODY COPPABELLA PTY LTD	Address:	100 Melbourne Street
ACN:	095976042	Town/City:	South Brisbane
Email address:		State:	QLD
Business number:	0437828694	Postcode:	4101
Mobile number:		Country:	Australia
Holder:	CITIC AUSTRALIA COPPABELLA PTY LTD	Address:	Level 7 CITIC House 99 King Street
ACN:	067547442	Town/City:	Melbourne
Email address:		State:	VIC
Business number:		Postcode:	3000

Mobile number:		Country:	Australia
Holder:	NS COAL PTY LTD	Address:	Level 2, Navision House 10 Market Street
ACN:	082900972	Town/City:	Brisbane
Email address:		State:	QLD
Business number:		Postcode:	4000
Mobile number:		Country:	Australia
Holder:	MAPELLA PTY LTD	Address:	Marubeni Coal Pty Ltd, Unit 3501, Level 35 Riverside Centre 123 Eagle Street
ACN:	082873961	Town/City:	Brisbane
Email address:		State:	QLD
Business number:		Postcode:	4000
Mobile number:		Country:	Australia
Holder:	KC RESOURCES PTY. LTD.	Address:	Suite 3B, Level 33 52 Martin Place
ACN:	081887130	Town/City:	Sydney
Email address:		State:	QLD
Business number:		Postcode:	2000
Mobile number:		Country:	Australia
Authorised Holder Representative (AHR) address details:			
Name:	Peabody Energy Australia Pty Ltd	Address:	GPO Box 164
		Town/City:	Brisbane
Email address:	Tenements@peabodyenergy.com	State:	QLD
Business number:	0437828694	Postcode:	4001
Mobile number:		Country:	Australia

PERMIT AREA

Size of area applied for (ha):	255.6000
Size of surface area applied for (ha):	255.6000
Local government area(s):	Isaac Regional Council
Has a datum post been inserted?	No
Datum post standard used:	GDA94
Provide coordinates for the datum post:	Latitude 21°52'7.7199"S Longitude 148°23'48.2190"E
Is surface area within the permit area required?	Whole.
Provide the name of the dedicated road:	Access to the Mining Lease via adjoining Mining Leases 70290, 70161, 70457, Daunia Road, Peak Downs Highway and Spring Creek Road.

LAND INFORMATION DETAILS

Does this application involve the surrender of a granted permit in favour of whole or part of this application? No

Is there any restricted land associated with this permit application? Yes

Is the lease area within the surface of reserve? No

Are you making this application jointly with the holder of the ATP permit? No

Are you making this application with the consent of that holder? No

Is the land applied for situated within an area of a greenhouse gas (GHG) permit? No

Overlapping permits

Permit type	Permit number	Authorised holder	Expiry date
ATP	1103	CH4 PTY LTD	31/12/2018

Land details

Description	Proposed usage	Current usage	Compensation required?
Lot 3 on plan SP190266 - Freehold	Permit	Grazing	Yes
Lot 2 on plan SP214498 - Freehold	Permit	Grazing	Yes
Lot 1 on plan SP158697 - Freehold	Permit	Grazing	Yes
Lot 0 on plan 0 - Road reserve - Daunia Road (SEGMENT:61926 PARCEL:15; SEGMENT: 61926 PARCEL: 37; SEGMENT: 61926 PARCEL: 38)	Permit	Transport	Yes
Lot 21 on plan GV264 - Freehold	Permit	Grazing	Yes
Lot 0 on plan 0 - Road reserve - Peak Downs Highway (SEGMENT:61926 PARCEL:59)	Permit	Transport	Yes
Lot 131 on plan SP266905 - Freehold	Permit	Grazing	Yes
Lot 0 on plan 0 - Road reserve - Spring Creek Road (SEGMENT:61926 PARCEL:194)	Permit	Transport	Yes
Lot 23 on plan SP130066 - Freehold	Permit	Transport	Yes
Lot 0 on plan 0 - Road reserve - Unnamed Road (SEGMENT:61926 PARCEL:39)	Permit	Transport	Yes
Lot 25 on plan SP130068 - Lands lease Par Norwich Park Branch Railway	Permit	Transport	Yes
Lot 2 on plan SP158697 - Freehold Par Moorvale Spur Railway	Permit	Transport	Yes

NATIVE TITLE

Native title process:	Exclusive Land (100%)
I confirm that when a full assessment is completed, if native title must be addressed, a native title process will be required and advertising fees will be requested by the department:	Yes

PROPOSED PROGRAM AND PLAN

Duration:	5 Years
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OBLIGATIONS

As the authorised holder representative, I understand and agree to the obligations associated with the permit: Yes

PAYMENT DETAILS

Fee type	Details	Amount (\$)
APPMLS316COAL	Mining Lease - Transport s316 (Coal or oil shale)	4,687.00
Total Fee:		4,687.00

UPLOADED DOCUMENTS

Section	File name	Uploaded by	Date uploaded
AHR	Letter of authority - AHR	kodowd@peabodyenergy.com	29/08/2019 12:48 PM
Financial Capability	Financial capability statement	kodowd@peabodyenergy.com	29/08/2019 01:59 PM
Financial Capability	Financial Commitment	kodowd@peabodyenergy.com	29/08/2019 01:59 PM
Land availability	Adjoining land details	kodowd@peabodyenergy.com	29/08/2019 01:51 PM
Land availability	Land details	kodowd@peabodyenergy.com	29/08/2019 01:51 PM
Land availability	Restricted land feature details	kodowd@peabodyenergy.com	29/08/2019 01:51 PM
Permit area	Statement dealing permit location	kodowd@peabodyenergy.com	29/08/2019 01:04 PM
Permit area	Statement detailing adjoining resource authorities and land parcel details	kodowd@peabodyenergy.com	29/08/2019 01:04 PM
Permit area	Map of boundaries and access	kodowd@peabodyenergy.com	29/08/2019 01:04 PM
Permit area	Area file	kodowd@peabodyenergy.com	29/08/2019 01:04 PM
Permit area	Statement justifying the area	kodowd@peabodyenergy.com	29/08/2019 01:04 PM
Permit area	Graphic representation of area	kodowd@peabodyenergy.com	29/08/2019 01:57 PM
Permit area	Surface area justification statement	kodowd@peabodyenergy.com	29/08/2019 01:05 PM
Permit details	Permit term justification statement	kodowd@peabodyenergy.com	29/08/2019 12:28 PM
Technical capability	Other resource commitment statement	kodowd@peabodyenergy.com	29/08/2019 02:00 PM
Technical capability	Technical capability statement	kodowd@peabodyenergy.com	29/08/2019 01:59 PM
Work program	Proposed development plan	kodowd@peabodyenergy.com	29/08/2019 01:56 PM

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MINING LEASE APPLICATION - COPPABELLA MOORVALE MILLENNIUM PIPELINE

STATEMENT JUSTIFYING THE LENGTH OF THE TERM

The pipeline is designed to integrate the water storage capacity between the Coppabella, Moorvale and Millennium mine sites for the foreseeable future and therefore aligns with the renewed terms of the Coppabella mining leases.

The CMM Pipeline is to be buried for the length of the route and will include pumps and a stage tank.

In addition, the proposed transport corridor is designed to accommodate the following:

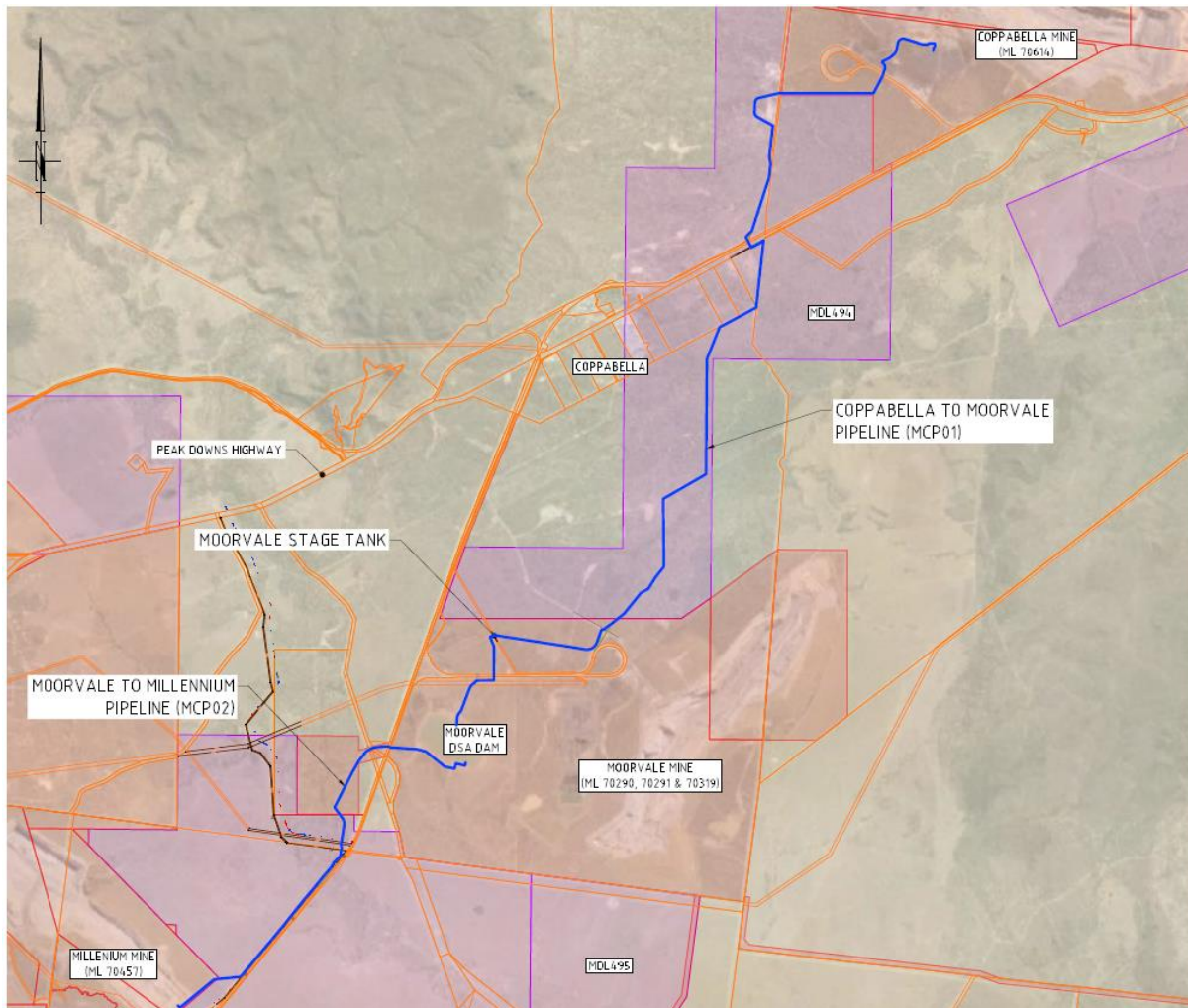
- to remove water from Creek Pit to the Moorvale DSA Dam and then onto onto the dam/pit at Millennium
- drought proof Peabody's 3 existing mines – Coppabella, Moorvale and Millennium
- create a potential water supply for Peabody's Moorvale South project; and
- where commercially viable, may assist with the provision of water to surrounding mines such as Daunia, Poitrel and South Walker Creek.

Once the mining lease is granted, construction activities will commence and then ongoing operations to follow.

MINING LEASE APPLICATION - COPPABELLA MOORVALE MILLENNIUM PIPELINE

STATEMENT JUSTIFYING THE AREA OF THE PERMIT AND ITS SHAPE

The proposed ML boundary is configured to provide sufficient area for pipeline construction, subsequent servicing and to minimise impacts on environmental and landowner areas whilst connecting the pipeline corridor to the existing Coppabella, Moorvale and Millennium mining operations.



MINING LEASE APPLICATION - COPPABELLA MOORVALE MILLENNIUM PIPELINE

STATEMENT JUSTIFYING WHY SURFACE AREA IS REQUIRED

The Coppabella/Moorvale/Millennium pipeline will allow the mine sites to adequately manage the mine affected water between the three sites to minimize impact to the mining operations. The proposed Mining Lease will effectively link the three sites from a water management perspective allowing for the transfer of water between sites based on business needs and provide security for the water pipeline and water management structures for the designated corridor.

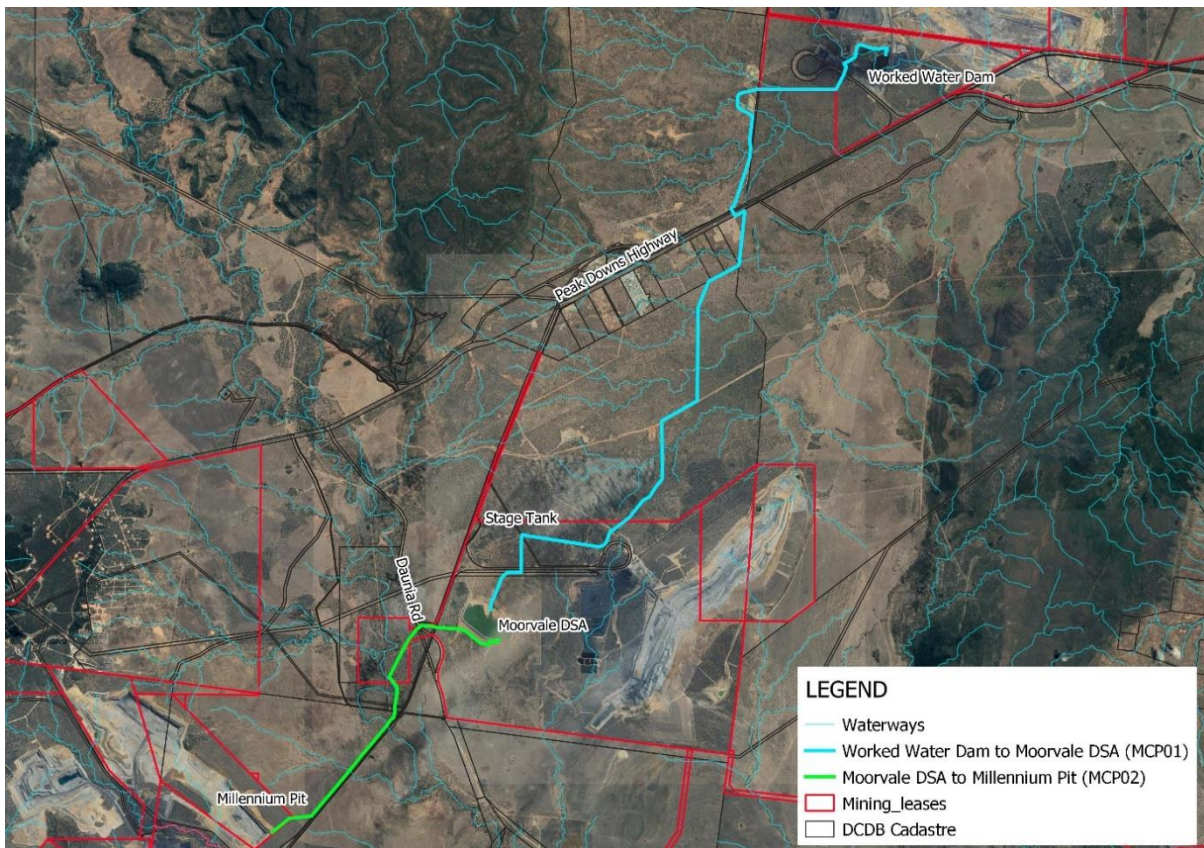


TABLE OF BOUNDARY DIMENSIONS

LINE	BEARING	DISTANCE
70-71	218°28'59"	183.737
71-72	220°15'15"	420.892
72-73	218°42'15"	401.183
73-74	218°22'	207.521
74-75	219°43'15"	401.137
75-76	220°23'40"	400.648
76-77	219°42'40"	540.97
77-78	264°20'59"	511.73
78-79	49°29'	130.622
79-80	315°29'	32.53
80-81	84°20'59"	385.58
81-82	39°35'59"	3073.754
82-83	5°08'16"	630.537
83-84	323°22'	304.529
84-85	28°13'15"	1286.099
85-86	75°0'	431.429
86-87	95°29'50"	597.512
87-88	5°27'38"	283.963
88-89	26°50'32"	503.185
89-90	90°30'15"	602.275
90-91	20°35'38"	490.623
91-92	48°37'17"	214.167
92-93	88°49'27"	293.286
93-94	0°15'11"	596.005
94-95	338°21'50"	245.136
95-96	68°09'38"	150.238
96-97	98°53'12"	1799.395
97-98	78°14'39"	117.214
98-99	38°32'55"	101.86
99-100	20°04'49"	266.891
100-101	54°17'42"	550.838
101-102	38°56'44"	518.284
102-103	60°33'33"	165.787
103-104	35°19'32"	499.984
104-105	359°28'06"	1354.016
105-106	60°11'48"	957.296
106-107	0°31'01"	2201.388
107-108	21°49'57"	625.406
108-109	61°48'51"	882.032
109-110	331°48'53"	22.586
110-111	6°18'37"	502.522
111-112	5°59'02"	333.921
112-113	6°07'54"	405.806
113-114	241°48'45"	311.888
114-115	331°48'56"	203.175
115-116	17°52'06"	1302.291
116-117	6°38'11"	438.019
117-118	6°23'55"	356.463
118-119	6°59'27"	202.0
119-120	299°35'08"	408.174
120-121	2°44'54"	358.616
121-122	76°18'46"	571.621
122-1	187°37'36"	107.346

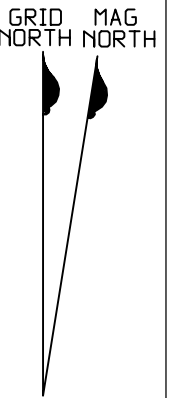
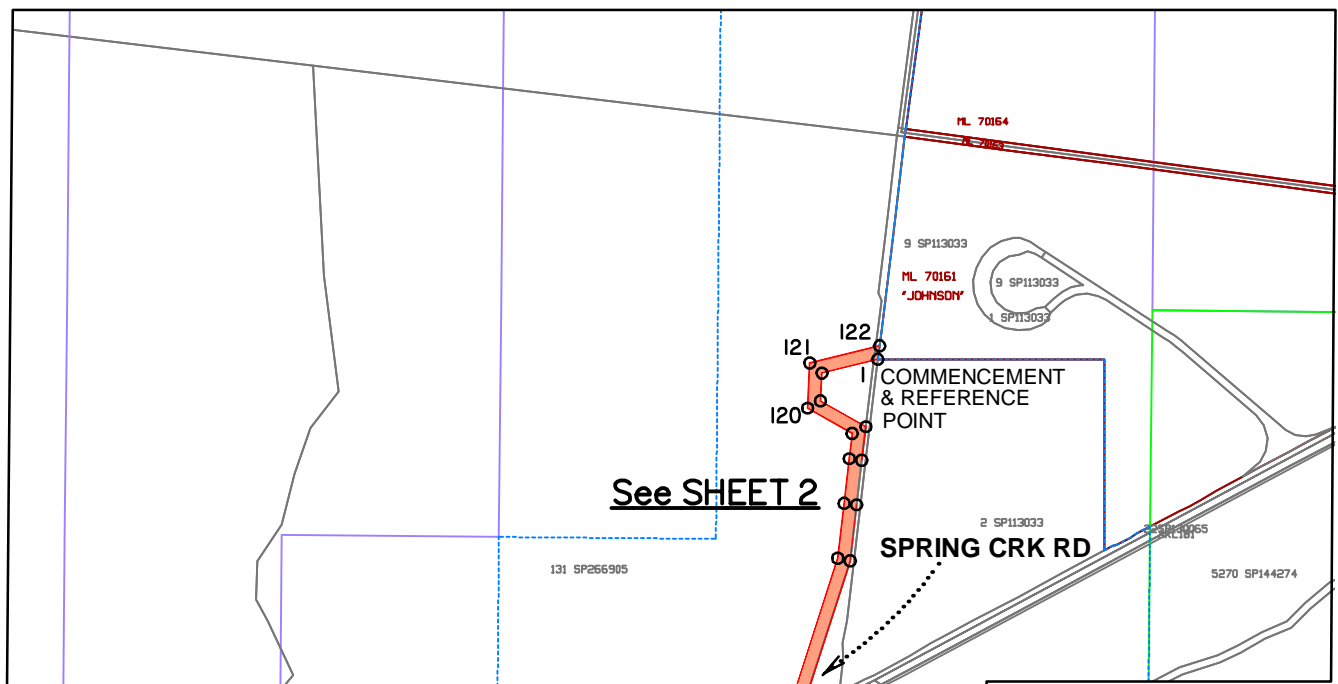
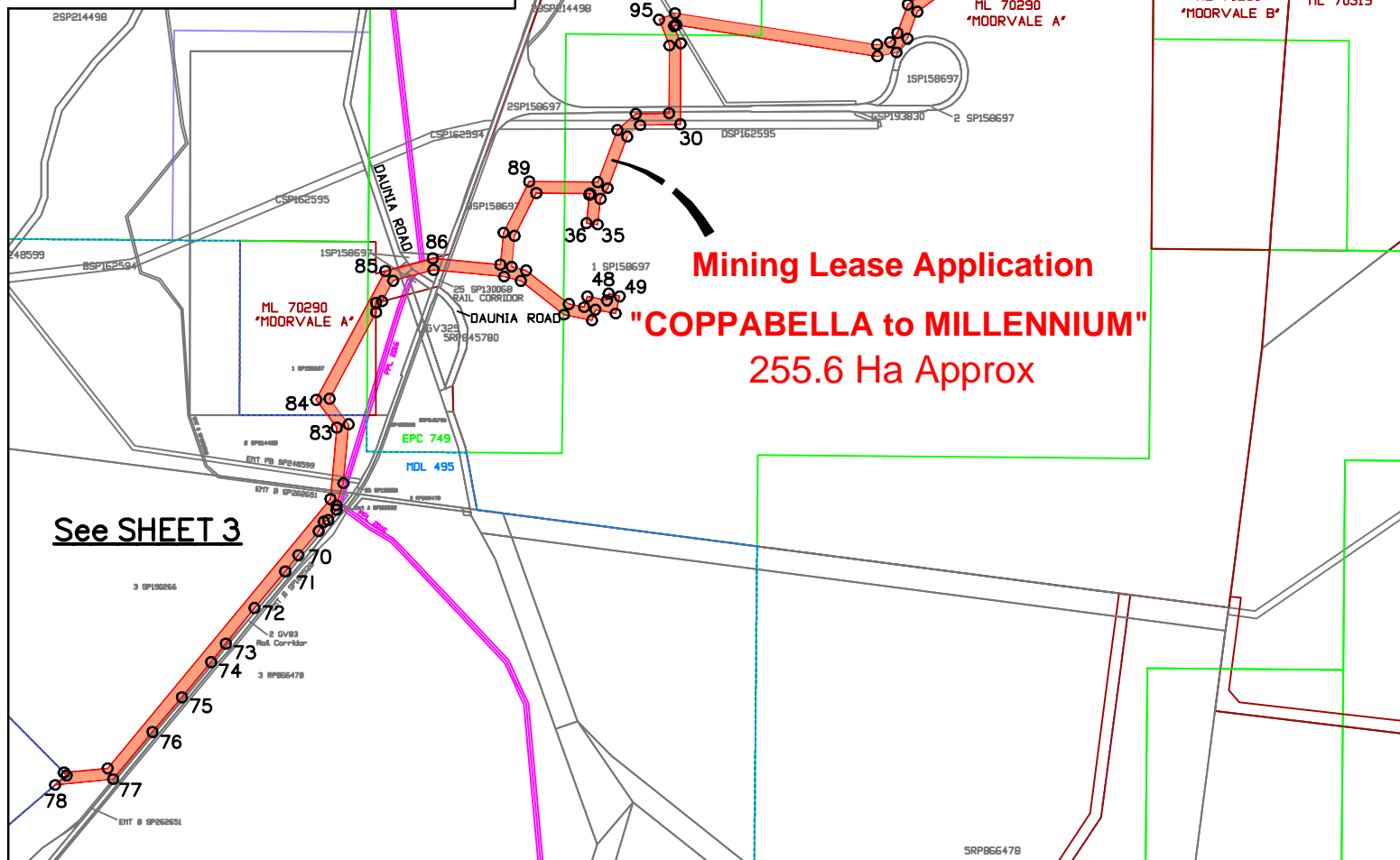


TABLE OF BOUNDARY DIMENSIONS

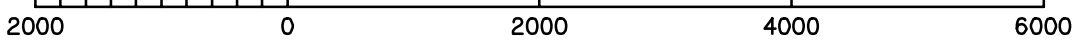
LINE	BEARING	DISTANCE
1-2	256°18'46"	457.843
2-3	182°44'54"	222.379
3-4	119°35'08"	413.396
4-5	186°59'27"	268.182
5-6	186°23'57"	356.126
6-7	186°37'55"	448.098
7-8	197°52'17"	1269.595
8-9	151°48'47"	140.709
9-10	61°48'45"	249.755
10-11	186°07'54"	443.649
11-12	185°59'02"	333.952
12-13	186°18'37"	516.233
13-14	186°36'08"	121.77
14-15	241°48'51"	784.929
15-16	201°49'57"	570.208
16-17	180°31'01"	2239.933
17-18	240°11'48"	956.073
18-19	179°28'06"	1327.785
19-20	215°19'32"	554.722
20-21	240°33'33"	169.082
21-22	219°10'10"	520.079
22-23	234°17'42"	525.858
23-24	200°04'49"	252.37
24-25	218°32'55"	154.214
25-26	258°14'39"	171.522
26-27	278°53'12"	1790.131
27-28	248°09'38"	23.117
28-29	158°21'50"	164.828
29-30	180°15'11"	712.88
30-31	268°49'27"	354.225
31-32	228°37'17"	152.611
32-33	200°35'38"	484.258
33-34	214°16'47"	113.94
34-35	186°03'58"	226.861
35-36	276°03'58"	100.0
36-37	6°03'58"	251.992
37-38	34°16'47"	14.214
38-39	270°30'15"	475.192
39-40	206°50'32"	422.229
40-41	185°27'38"	272.908
41-42	104°08'13"	130.401
42-43	128°15'13"	478.57
43-44	101°24'41"	138.135
44-45	17°10'07"	98.866
45-46	101°08'27"	175.135
46-48	13°17'07"	60.127
48-49	103°17'07"	100.0
49-51	193°17'07"	156.453
51-52	281°08'27"	181.465
52-53	197°10'07"	99.294
53-54	281°24'41"	252.422
54-55	308°15'13"	481.07
55-56	284°08'13"	153.136
56-57	275°29'50"	620.819
57-58	255°0'	370.096
58-59	208°13'15"	205.118
59-60	255°0'	54.459
60-61	180°0'	83.924
61-62	208°13'15"	862.959
62-63	143°22'	279.158
63-64	185°08'16"	521.065
64-65	197°07'56"	202.561
65-66	177°56'53"	38.115
66-67	219°16'	118.534
67-68	248°29'39"	41.298
68-69	208°28'50"	94.159
69-70	220°24'	275.882



Mining Lease Application
"COPPABELLA to MILLENNIUM"
 255.6 Ha Approx

See SHEET 3

Scale 1:60000 - Lengths are in Metres.



A Issued For Review 7.8.2019
 B Issued For Review 8.8.2019
 C Issued For Review 13.8.2019



NOTES

- Bearings shown are Grid (MGA z55), subtract 8°45' to convert to approximate magnetic
- Distances are grid (MGA Zone 55) and need to be scaled to match ground or plane distances
- Dimensions and areas are approximate only and subject to confirmation by survey.
- This plan has been prepared to accompany a Mining Lease application and should not be used for any other purpose.
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PEABODY - COPPABELLA to MILLENNIUM
 INFRASTRUCTURE MLA

"COPPABELLA to MILLENNIUM"
 Mining Lease Application

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Scale: 1:60000 @ A3 Meridian: MGA Zone55
 Drawn: DN Date: 7.8.2019 Ht Datum:
 Chkd: DN Date: 7.8.2019 Issued: 7.8.2019

Drawing No.
10377-14-SK5
 Sheet 1 of 3

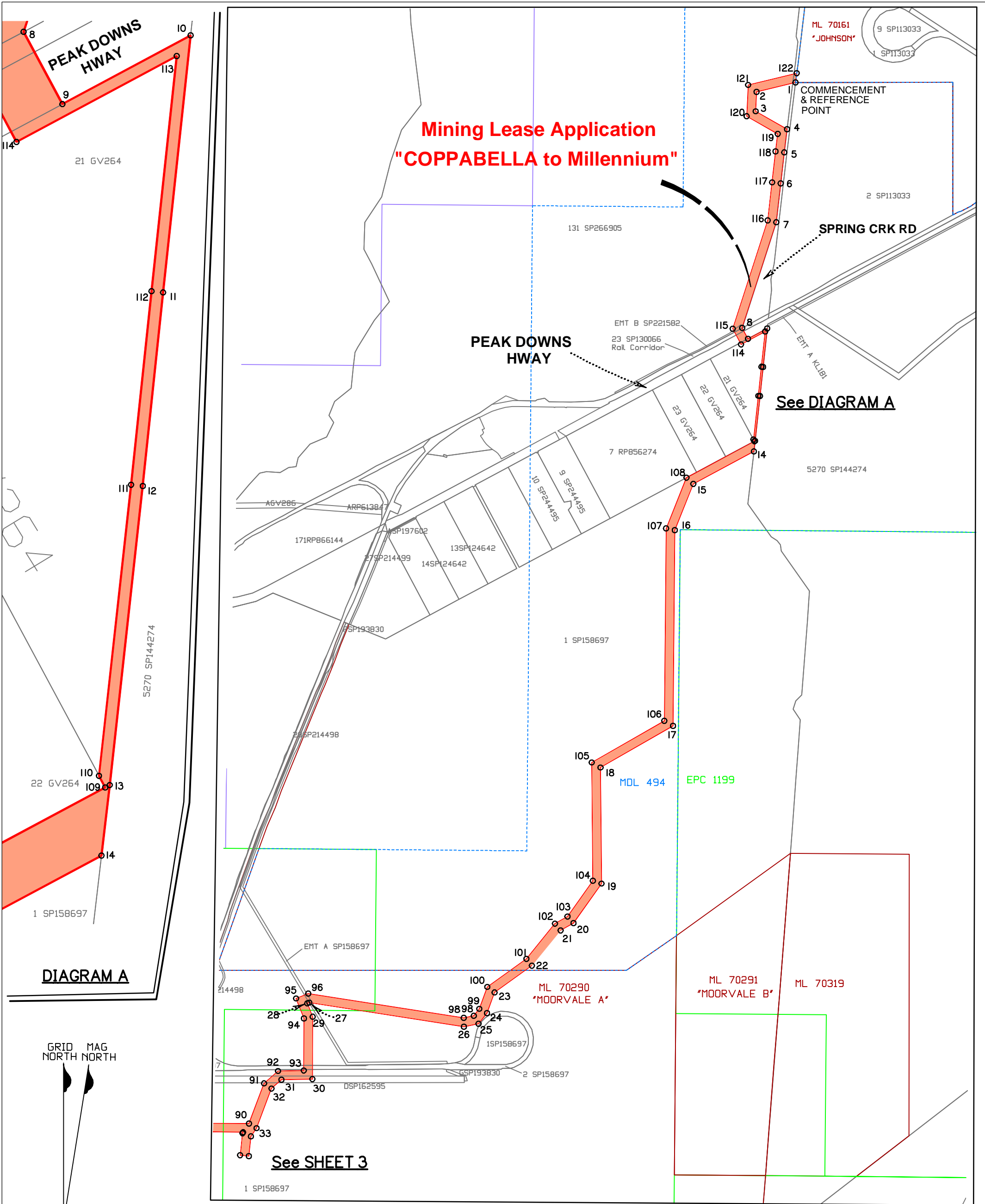
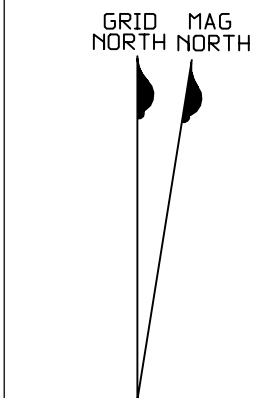
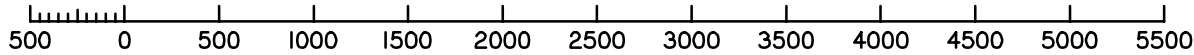


DIAGRAM A



Scale 1:40000 - Lengths are in Metres.

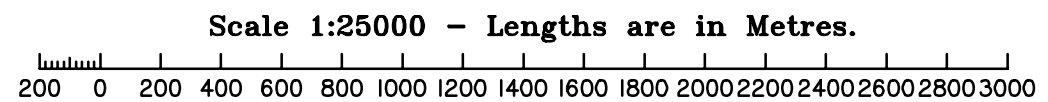
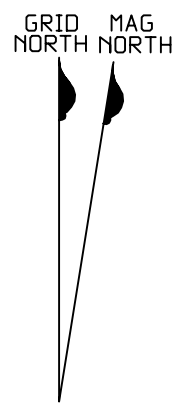


<p>A Issued For Review 7.8.2019</p> <p>B Issued For Review 8.8.2019</p> <p>C Issued For Review 13.8.2019</p>		<p>NOTES</p> <ol style="list-style-type: none"> Bearings shown are Grid (MGA z55), subtract 8°45' to convert to approximate magnetic Distances are grid (MGA Zone 55) and need to be scaled to match ground or plane distances Dimensions are approximate only and subject to confirmation by survey. This plan has been prepared to accompany a Mining Lease application and should not be used for any other purpose. Cadastral boundaries shown have been extracted from the DCDB © DNRM (2018) and are used under licence. Adjoining and existing tenement boundaries have been extracted from the qspatial catalogue © DNRM (2019) and are used under licence. Any Restricted Lands shown have been identified from SPOT Imagery © State of QLD 2018. 	<p>COTTRELL CAMERON & STEEN SURVEYS Pty Ltd</p> <p>Delivering High Quality Cost Effective Spatial Solutions</p> <p>P. 07 4662 3252 F. 07 3841 8077 www.ccssurveys.com.au</p> <p>85 Pratten Street, Dalby Qld 4405</p>	<p>PEABODY - COPPABELLA to MILLENNIUM INFRASTRUCTURE MLA</p>		<p>Drawing No. 10377-14-SK5 Sheet 2 of 3</p>		
				<p>"COPPABELLA to MILLENNIUM" Mining Lease Application</p>			<p>Scale: 1:40000 @ A3</p>	<p>Meridian: MGA Zone55</p>
				<p>Drawn: DN</p>	<p>Date: 7.8.2019</p>		<p>Ht Datum:</p>	<p>Issued: 7.8.2019</p>

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**Mining Lease Application
"COPPABELLA to Millennium"**

See SHEET 2



A Issued For Review 7.8.2019
B Issued For Review 8.8.2019
C Issued For Review 13.8.2019



- NOTES**
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PEABODY - COPPABELLA to MILLENNIUM
 INFRASTRUCTURE MLA

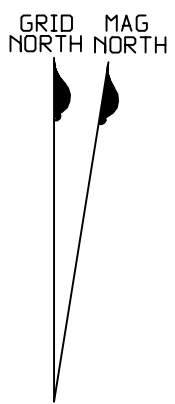
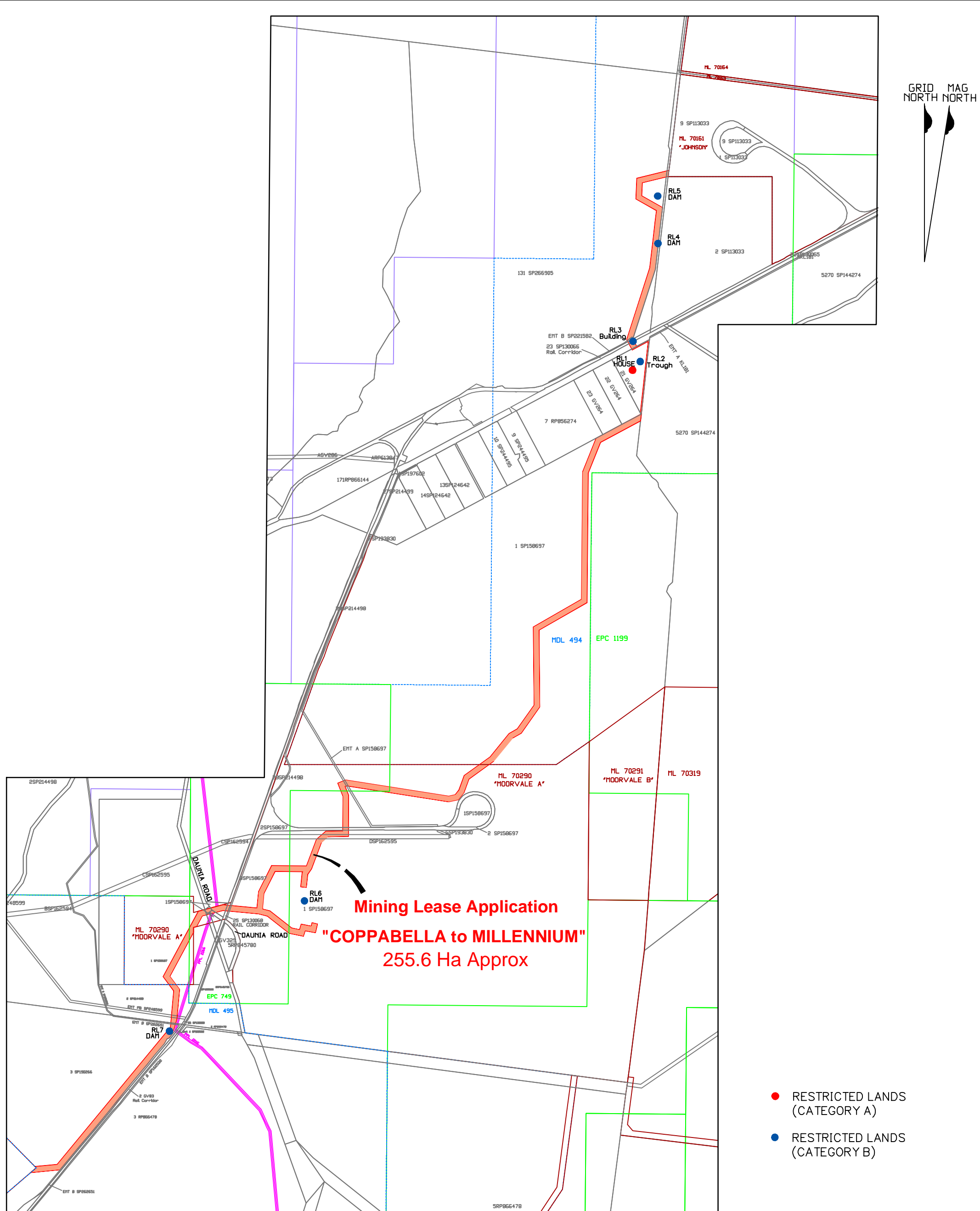
"COPPABELLA to MILLENNIUM"
 Mining Lease Application

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Scale: 1:25000 @ A3	Meridian: MGA Zone55
Drawn: DN Date: 7.8.2019	Ht Datum:
Chkd: DN Date: 7.8.2019	Issued: 7.8.2019

Drawing No.
10377-14-SK5
 Sheet 3 of 3

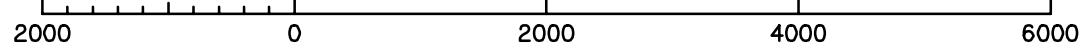
A	B	C			
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Mining Lease Application
"COPPABELLA to MILLENNIUM"
255.6 Ha Approx

- RESTRICTED LANDS (CATEGORY A)
- RESTRICTED LANDS (CATEGORY B)

Scale 1:60000 - Lengths are in Metres.



A Issued For Review 8.8.2019



NOTES

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**PEABODY - COPPABELLA to MILLENNIUM
 INFRASTRUCTURE MLA**

**"COPPABELLA to MILLENNIUM"
 Mining Lease Application
 Restricted Lands Map**

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Scale: 1:60000 @ A3	Meridian: MGA Zone55
Drawn: DN	Date: 7.8.2019
Chkd: DN	Date: 7.8.2019
	Issued: 8.8.2019

Drawing No.
10377-14-SK6
 Sheet 1 of 1
 A

Mining Lease Application
"Coppabella to Millennium"
Metes and Bounds Description

MLa "Coppabella to Millennium"



Prepared by

Cottrell Cameron & Steen Surveys Pty Ltd

8.8.2019

Doc No.: 10377-14-D3



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METES & BOUNDS DESCRIPTION OF ML APPLICATION AREA

"Coppabella to Millennium"

LOCATION OF REFERENCE and COMMENCEMENT POINT

The Reference Point is located approximately 5km North East of the town of Coppabella in Central Queensland at the North West corner of Lot 2 on SP113033 which is coincident with the western most corner of ML70161 in the Locality of Coppabella in the Local Government of Isaac Regional, at approximate MGA coordinates of East 644314.017 North 7581038.413 and Geographical Coordinates of Latitude 21°52'7.7199"S Longitude 148°23'48.2190"E. It is marked as "Reference Point" and Station 1 on attached drawing 10377-14-SK5.

Note: Bearings are Grid(MGA zone 55, GDA94) and distances are in metres.

Bearings, Distances and coordinates derived from DCDB and compilation and geographical coordination of survey plans. All dimensions, coordinates and areas are subject to survey and may change as a result.

EXTERNAL BOUNDARY DESCRIPTION

Commencing at the commencement point
thence for the following bearings and distances (more or less)

256°18'46"	457.843	across Spring Creek Road to a point within Lot 131 on SP266905
182°44'54"	222.379	
119°35'08"	413.396	to a point on the eastern boundary of Lot 131 on SP266905

thence for the following bearings and distances (more or less) along and coincident with the eastern boundary of Lot 131 on SP266905

186°59'27"	268.182	
186°23'57"	356.126	
186°37'55"	448.098	
197°52'17"	1269.595	to the south east corner of Lot 131 on SP266905

Thence for a bearing of 151°48'47" and distance of 140.709, more or less, across Lot 23 on SP130066(Rail Corridor) and Peak Downs Hwy to a point on the northern boundary of Lot 21 on GV264

thence for the following bearings and distances (more or less) along and coincident with the boundary of Lot 21 on GV264

61°48'45"	249.755	
186°07'54"	443.649	
185°59'02"	333.952	
186°18'37"	516.233	to the south east corner of Lot 21 on GV264

186°36'08" 121.770 Along and coincident with eastern boundary of Lot 1 on SP158697 to a point on the boundary

thence for the following bearings and distances (more or less)

241°48'51" 784.929 remaining 100m offset from the northern boundary of Lot 1 on SP158697
201°49'57" 570.208
180°31'01" 2239.933
240°11'48" 956.073
179°28'06" 1327.785
215°19'32" 554.722
240°33'33" 169.082
219°10'10" 520.079
234°17'42" 525.858 to a point within ML 70290

thence for the following bearings and distances (more or less) remaining within ML 70290

200°04'49" 252.370
218°32'55" 154.214
258°14'39" 171.522
278°53'12" 1790.131
248°09'38" 23.117
158°21'50" 164.828
180°15'11" 712.880 across Lot 2 SP158697 (Rail Corridor)
268°49'27" 354.225
228°37'17" 152.611
200°35'38" 484.258
214°16'47" 113.940
186°03'58" 226.861
276°03'58" 100.000
6°03'58" 251.992
34°16'47" 14.214
270°30'15" 475.192
206°50'32" 422.229
185°27'38" 272.908
104°08'13" 130.401
128°15'13" 478.570
101°24'41" 138.135
17°10'07" 98.866
101°08'27" 175.135
13°17'07" 60.127
103°17'07" 100.000
193°17'07" 156.453
281°08'27" 181.465
197°10'07" 99.294
281°24'41" 252.422

308°15'13"	481.070
284°08'13"	153.136
275°29'50"	620.819 across Lot 25 on SP130068 (Rail Corridor)
255°00'00"	370.096 across Daunia Road and an Unnamed Road Remaining offset 100m from the northern boundary of ML 70290 and crossing PPL 2016
208°13'15"	205.118 to a point on the boundary of ML 70290
255°00'00"	54.459 along and coincident with the boundary of ML 70290 to a corner in that boundary at approximate MGA coordinates of E.636113.922 N.7568067.741
180°00'00"	83.924 along and coincident with the boundary of ML 70290 to a point on that boundary
208°13'15"	862.959
143°22'00"	279.158 to a point outside of ML 70290 and within MDL 495

thence for the following bearings and distances (more or less) remaining within MDL 495

185°08'16"	521.065 across Emt PB on SP248599 to a point on the western boundary PPL 2016
197°07'56"	202.561 along and coincident with the western boundary PPL 2016 to a corner in the boundary at approximate MGA coordinates of E.635766.094 N.7566286.874
177°56'53"	38.115 to a point on the western boundary of Emt B on SP262651 within Lot 3 on SP190266

thence for the following bearings and distances (more or less) along and coincident with the western boundary of Emt B on SP262651

219°16'00"	118.534
248°29'39"	41.298
208°28'50"	94.159
220°24'00"	275.882
218°28'59"	183.737
220°15'15"	420.892
218°42'15"	401.183
218°22'00"	207.521
219°43'15"	401.137
220°23'40"	400.648
219°42'40"	540.970 to a point on the boundary of Emt B on SP262651
264°20'59"	511.730 deviating off the western boundary of Emt B on SP262651 to a point on the boundary of ML 70457
49°29'00"	130.622 along and coincident with the boundary of ML 70457 to a corner in that boundary at approximate MGA coordinates of E. 633392.771 N.7563912.833
315°29'00"	32.530 along and coincident with the boundary of ML 70457 to a point on that boundary

thence for the following bearings and distances (more or less) remaining within MDL 495

84°20'59"	385.580
39°35'59"	3073.754

5°08'16" 630.537 across Emts B on SP262651 and PB on SP248599 to a point within Lot 2 on SP214498
323°22'00" 304.529 to a point within ML 70290 and Lot 1 on SP158697

thence for the following bearings and distances (more or less) remaining within ML 70290

28°13'15" 1286.099 to a point on the northern boundary of ML 70290
75°00'00" 431.429 along and coincident with the northern boundary of ML 70290 to a point on that boundary, across Daunia Road and PPL 2016
95°29'50" 597.512 across Lot 25 on SP130068 (Rail Corridor)
5°27'38" 283.963
26°50'32" 503.185
90°30'15" 602.275
20°35'38" 490.623
48°37'17" 214.167
88°49'27" 293.286
0°15'11" 596.005 across Lot 2 on SP158697 (Rail Corridor)
338°21'50" 245.136
68°09'38" 150.238
98°53'12" 1799.395
78°14'39" 117.214
38°32'55" 101.860
20°04'49" 266.891
54°17'42" 550.838 exiting from ML 70290 to a point within MDL 494

thence for the following bearings and distances (more or less) remaining within MDL 494

38°56'44" 518.284
60°33'33" 165.787
35°19'32" 499.984
359°28'06" 1354.016
60°11'48" 957.296
0°31'01" 2201.388
21°49'57" 625.406 to a point on the northern boundary of Lot 1 on SP158697
61°48'51" 882.032 along and coincident with the northern boundary of Lot 1 on SP158697 to the south west corner of Lot 21 on GV264
331°48'53" 22.586 along and coincident with the western boundary of Lot 21 on GV264 to a point on that boundary

thence for the following bearings and distances (more or less) remaining 20m offset from the eastern and northern boundaries of Lot 21 on GV264

6°18'37" 502.522
5°59'02" 333.921
6°07'54" 405.806
241°48'45" 311.888 to a point within Lot 21 on GV264

Thence for a bearing of 331°48'56" and distance of 203.175, more or less, across Lot 23 on SP130066 and Peak Downs Hwy to a point within Lot 131 SP266905

thence for the following bearings and distances (more or less) remaining 100m offset from the eastern of Lot 131 SP266905

17°52'06"	1302.291
6°38'11"	438.019
6°23'55"	356.463
6°59'27"	202.000 to a point within Lot 131 on SP266905

thence for the following bearings and distances (more or less) deviating off the 100m offset to the eastern of Lot 131 SP266905

299°35'08"	408.174
2°44'54"	358.616
76°18'46"	571.621 across Spring Creek Road to a point on the western boundary of ML 70161
187°37'36"	107.342 along and coincident with the western boundary of ML 70161 back to the point of commencement and containing an area of approximately 255.6 hectares.

Name of ML: "Coppabella to Millennium"

Area of ML: 255.6 Hectares

Surface Area: Whole

ACCESS: Access to the Mining Lease via adjoining Mining Leases 70290, 70161, 70457, Daunia Road, Peak Downs Highway and Spring Creek Road.

BEARINGS ARE GRID(MGA ZONE 55) - (SUBTRACT 8° 45' TO CONVERT TO APPROXIMATE MAGNETIC BEARINGS).

DISTANCES ARE GRID DISTANCES. TO CONVERT TO TERRAIN DISTANCES A SCALE FACTOR MUST BE APPLIED

LATITUDE AND LONGITUDE ARE SHOWN IN GDA94 DATUM.

METES DESCRIPTION – MAGNETIC BEARINGS			METES DESCRIPTION – MGA GRID BEARINGS	
Starting at the Commencement Point		STN Nos	Starting at the Commencement Point	
247°33'46"	457.843	1-2	256°18'46"	457.843
173°59'54"	222.379	2-3	182°44'54"	222.379
110°50'08"	413.396	3-4	119°35'08"	413.396
178°14'27"	268.182	4-5	186°59'27"	268.182
177°38'57"	356.126	5-6	186°23'57"	356.126
177°52'55"	448.098	6-7	186°37'55"	448.098
189°07'17"	1269.595	7-8	197°52'17"	1269.595
143°03'47"	140.709	8-9	151°48'47"	140.709
53°03'45"	249.755	9-10	61°48'45"	249.755
177°22'54"	443.649	10-11	186°07'54"	443.649
177°14'02"	333.952	11-12	185°59'02"	333.952
177°33'37"	516.233	12-13	186°18'37"	516.233
177°51'08"	121.770	13-14	186°36'08"	121.770
233°03'51"	784.929	14-15	241°48'51"	784.929
193°04'57"	570.208	15-16	201°49'57"	570.208
171°46'01"	2239.933	16-17	180°31'01"	2239.933
231°26'48"	956.073	17-18	240°11'48"	956.073
170°43'06"	1327.785	18-19	179°28'06"	1327.785
206°34'32"	554.722	19-20	215°19'32"	554.722
231°48'33"	169.082	20-21	240°33'33"	169.082
210°25'10"	520.079	21-22	219°10'10"	520.079
225°32'42"	525.858	22-23	234°17'42"	525.858
191°19'49"	252.370	23-24	200°04'49"	252.370
209°47'55"	154.214	24-25	218°32'55"	154.214
249°29'39"	171.522	25-26	258°14'39"	171.522
270°08'12"	1790.131	26-27	278°53'12"	1790.131
239°24'38"	23.117	27-28	248°09'38"	23.117
149°36'50"	164.828	28-29	158°21'50"	164.828
171°30'11"	712.880	29-30	180°15'11"	712.880
260°04'27"	354.225	30-31	268°49'27"	354.225
219°52'17"	152.611	31-32	228°37'17"	152.611
191°50'38"	484.258	32-33	200°35'38"	484.258
205°31'47"	113.940	33-34	214°16'47"	113.940
177°18'58"	226.861	34-35	186°03'58"	226.861
267°18'58"	100.000	35-36	276°03'58"	100.000
357°18'58"	251.992	36-37	6°03'58"	251.992
25°31'47"	14.214	37-38	34°16'47"	14.214
261°45'15"	475.192	38-39	270°30'15"	475.192
198°05'32"	422.229	39-40	206°50'32"	422.229
176°42'38"	272.908	40-41	185°27'38"	272.908
95°23'13"	130.401	41-42	104°08'13"	130.401
119°30'13"	478.570	42-43	128°15'13"	478.570
92°39'41"	138.135	43-44	101°24'41"	138.135
8°25'07"	98.866	44-45	17°10'07"	98.866
92°23'27"	175.135	45-46	101°08'27"	175.135
4°32'07"	60.127	46-48	13°17'07"	60.127
94°32'07"	100.000	48-49	103°17'07"	100.000
184°32'07"	156.453	49-51	193°17'07"	156.453
272°23'27"	181.465	51-52	281°08'27"	181.465

188°25'07"	99.294	52-53	197°10'07"	99.294
272°39'41"	252.422	53-54	281°24'41"	252.422
299°30'13"	481.070	54-55	308°15'13"	481.070
275°23'13"	153.136	55-56	284°08'13"	153.136
266°44'50"	620.819	56-57	275°29'50"	620.819
246°15'00"	370.096	57-58	255°00'00"	370.096
199°28'15"	205.118	58-59	208°13'15"	205.118
246°15'00"	54.459	59-60	255°00'00"	54.459
171°15'00"	83.924	60-61	180°00'00"	83.924
199°28'15"	862.959	61-62	208°13'15"	862.959
134°37'00"	279.158	62-63	143°22'00"	279.158
176°23'16"	521.065	63-64	185°08'16"	521.065
188°22'56"	202.561	64-65	197°07'56"	202.561
169°11'53"	38.115	65-66	177°56'53"	38.115
210°31'00"	118.534	66-67	219°16'00"	118.534
239°44'39"	41.298	67-68	248°29'39"	41.298
199°43'50"	94.159	68-69	208°28'50"	94.159
211°39'00"	275.882	69-70	220°24'00"	275.882
209°43'59"	183.737	70-71	218°28'59"	183.737
211°30'15"	420.892	71-72	220°15'15"	420.892
209°57'15"	401.183	72-73	218°42'15"	401.183
209°37'00"	207.521	73-74	218°22'00"	207.521
210°58'15"	401.137	74-75	219°43'15"	401.137
211°38'40"	400.648	75-76	220°23'40"	400.648
210°57'40"	540.970	76-77	219°42'40"	540.970
255°35'59"	511.730	77-78	264°20'59"	511.730
40°44'00"	130.622	78-79	49°29'00"	130.622
306°44'00"	32.530	79-80	315°29'00"	32.530
75°35'59"	385.580	80-81	84°20'59"	385.580
30°50'59"	3073.754	81-82	39°35'59"	3073.754
356°23'16"	630.537	82-83	5°08'16"	630.537
314°37'00"	304.529	83-84	323°22'00"	304.529
19°28'15"	1286.099	84-85	28°13'15"	1286.099
66°15'00"	431.429	85-86	75°00'00"	431.429
86°44'50"	597.512	86-87	95°29'50"	597.512
356°42'38"	283.963	87-88	5°27'38"	283.963
18°05'32"	503.185	88-89	26°50'32"	503.185
81°45'15"	602.275	89-90	90°30'15"	602.275
11°50'38"	490.623	90-91	20°35'38"	490.623
39°52'17"	214.167	91-92	48°37'17"	214.167
80°04'27"	293.286	92-93	88°49'27"	293.286
351°30'11"	596.005	93-94	0°15'11"	596.005
329°36'50"	245.136	94-95	338°21'50"	245.136
59°24'38"	150.238	95-96	68°09'38"	150.238
90°08'12"	1799.395	96-97	98°53'12"	1799.395
69°29'39"	117.214	97-98	78°14'39"	117.214
29°47'55"	101.860	98-99	38°32'55"	101.860
11°19'49"	266.891	99-100	20°04'49"	266.891
45°32'42"	550.838	100-101	54°17'42"	550.838
30°11'44"	518.284	101-102	38°56'44"	518.284
51°48'33"	165.787	102-103	60°33'33"	165.787
26°34'32"	499.984	103-104	35°19'32"	499.984

350°43'06"	1354.016	104-105	359°28'06"	1354.016
51°26'48"	957.296	105-106	60°11'48"	957.296
351°46'01"	2201.388	106-107	0°31'01"	2201.388
13°04'57"	625.406	107-108	21°49'57"	625.406
53°03'51"	882.032	108-109	61°48'51"	882.032
323°03'53"	22.586	109-110	331°48'53"	22.586
357°33'37"	502.522	110-111	6°18'37"	502.522
357°14'02"	333.921	111-112	5°59'02"	333.921
357°22'54"	405.806	112-113	6°07'54"	405.806
233°03'45"	311.888	113-114	241°48'45"	311.888
323°03'56"	203.175	114-115	331°48'56"	203.175
9°07'06"	1302.291	115-116	17°52'06"	1302.291
357°53'11"	438.019	116-117	6°38'11"	438.019
357°38'55"	356.463	117-118	6°23'55"	356.463
358°14'27"	202.000	118-119	6°59'27"	202.000
290°50'08"	408.174	119-120	299°35'08"	408.174
353°59'54"	358.616	120-121	2°44'54"	358.616
67°33'46"	571.621	121-122	76°18'46"	571.621
178°52'36"	107.342	122-1	187°37'36"	107.342
Refer to drawing 10377-14-SK5 for station numbers			Refer to drawing 10377-14-SK5 for station numbers	

CORNER	MLA CORNER COORDINATES - MGA		MLA CORNER COORDINATES LAT/LONG	
	EASTING	NORTHING	LATITUDE (South)	LONGITUDE (East)
1	644314.017	7581038.413	21°52'07.7199"	148°23'48.2190"
2	643869.176	7580930.078	21°52'11.3736"	148°23'32.7574"
3	643858.513	7580707.955	21°52'18.5991"	148°23'32.4560"
4	644218.011	7580503.853	21°52'25.1296"	148°23'45.0437"
5	644185.370	7580237.665	21°52'33.7944"	148°23'43.9908"
6	644145.678	7579883.758	21°52'45.3134"	148°23'42.7200"
7	644093.927	7579438.658	21°52'59.8012"	148°23'41.0579"
8	643704.312	7578230.324	21°53'39.2053"	148°23'27.8656"
9	643770.776	7578106.302	21°53'43.2184"	148°23'30.2204"
10	643990.911	7578224.276	21°53'39.3175"	148°23'37.8528"
11	643943.523	7577783.165	21°53'53.6743"	148°23'36.3412"
12	643908.710	7577451.033	21°54'04.4839"	148°23'35.2332"
13	643851.970	7576937.927	21°54'21.1843"	148°23'33.4184"
14	643837.969	7576816.964	21°54'25.1216"	148°23'32.9688"
15	643146.118	7576446.215	21°54'37.3801"	148°23'08.9787"
16	642934.061	7575916.905	21°54'54.6530"	148°23'01.7559"
17	642913.854	7573677.064	21°56'07.4878"	148°23'01.7558"
18	642084.234	7573201.873	21°56'23.1815"	148°22'32.9915"
19	642096.555	7571874.146	21°57'06.3493"	148°22'33.8364"
20	641775.803	7571421.559	21°57'21.1588"	148°22'22.7980"
21	641628.555	7571338.451	21°57'23.9039"	148°22'17.6915"
22	641300.065	7570935.243	21°57'37.1099"	148°22'06.3671"
23	640873.051	7570628.347	21°57'47.2126"	148°21'51.5780"
24	640786.403	7570391.317	21°57'54.9447"	148°21'48.6312"
25	640690.300	7570270.710	21°57'58.8941"	148°21'45.3186"
26	640522.375	7570235.764	21°58'00.0790"	148°21'39.4758"
27	638753.733	7570512.304	21°57'51.5950"	148°20'37.7385"
28	638732.275	7570503.704	21°57'51.8807"	148°20'36.9931"
29	638793.049	7570350.489	21°57'56.8453"	148°20'39.1585"
30	638789.899	7569637.616	21°58'20.0256"	148°20'39.2668"
31	638435.748	7569630.348	21°58'20.3629"	148°20'26.9232"
32	638321.235	7569529.467	21°58'23.6757"	148°20'22.9620"
33	638150.900	7569076.155	21°58'38.4639"	148°20'17.1622"
34	638086.725	7568982.007	21°58'41.5434"	148°20'14.9537"
35	638062.751	7568756.416	21°58'48.8854"	148°20'14.1866"
36	637963.311	7568766.984	21°58'48.5701"	148°20'10.7167"
37	637989.941	7569017.565	21°58'40.4147"	148°20'11.5688"
38	637997.947	7569029.310	21°58'40.0305"	148°20'11.8443"
39	637522.774	7569033.491	21°58'40.0293"	148°19'55.2776"
40	637332.122	7568656.757	21°58'52.3330"	148°19'48.7453"
41	637306.152	7568385.087	21°59'01.1738"	148°19'47.9223"
42	637432.605	7568353.238	21°59'02.1737"	148°19'52.3405"
43	637808.415	7568056.934	21°59'11.7017"	148°20'05.5325"
44	637943.819	7568029.604	21°59'12.5520"	148°20'10.2616"
45	637973.003	7568124.064	21°59'09.4722"	148°20'11.2503"
46	638144.838	7568090.225	21°59'10.5237"	148°20'17.2514"
48	638158.655	7568148.743	21°59'08.6170"	148°20'17.7153"
49	638255.979	7568125.763	21°59'09.3366"	148°20'21.1153"

51	638220.026	7567973.497	21°59'14.2978"	148°20'19.9084"
52	638041.981	7568008.560	21°59'13.2084"	148°20'13.6903"
53	638012.671	7567913.690	21°59'16.3014"	148°20'12.6973"
54	637765.239	7567963.632	21°59'14.7478"	148°20'04.0556"
55	637387.465	7568261.484	21°59'05.1699"	148°19'50.7946"
56	637238.968	7568298.886	21°59'03.9957"	148°19'45.6061"
57	636621.004	7568358.360	21°59'02.2360"	148°19'24.0438"
58	636263.519	7568262.572	21°59'05.4510"	148°19'11.6094"
59	636166.525	7568081.836	21°59'11.3550"	148°19'08.2822"
60	636113.922	7568067.741	21°59'11.8281"	148°19'06.4525"
61	636113.922	7567983.817	21°59'14.5569"	148°19'06.4777"
62	635705.854	7567223.435	21°59'39.3956"	148°18'52.4785"
63	635872.425	7566999.419	21°59'46.6331"	148°18'58.3534"
64	635825.764	7566480.447	22°00'03.5209"	148°18'56.8821"
65	635766.094	7566286.874	22°00'09.8318"	148°18'54.8596"
66	635767.459	7566248.784	22°00'11.0700"	148°18'54.9186"
67	635692.435	7566157.014	22°00'14.0749"	148°18'52.3302"
68	635654.013	7566141.874	22°00'14.5779"	148°18'50.9950"
69	635609.112	7566059.110	22°00'17.2816"	148°18'49.4542"
70	635430.307	7565849.016	22°00'24.1629"	148°18'43.2824"
71	635315.970	7565705.188	22°00'28.8715"	148°18'39.3386"
72	635043.998	7565383.970	22°00'39.3920"	148°18'29.9509"
73	634793.139	7565070.893	22°00'49.6417"	148°18'21.2967"
74	634664.333	7564908.185	22°00'54.9681"	148°18'16.8535"
75	634407.987	7564599.644	22°01'05.0717"	148°18'08.0061"
76	634148.348	7564294.510	22°01'15.0653"	148°17'59.0424"
77	633802.713	7563878.355	22°01'28.6924"	148°17'47.1123"
78	633293.469	7563827.972	22°01'30.4710"	148°17'29.3679"
79	633392.771	7563912.833	22°01'27.6843"	148°17'32.8059"
80	633369.964	7563936.028	22°01'26.9364"	148°17'32.0037"
81	633753.671	7563973.991	22°01'25.5963"	148°17'45.3737"
82	635712.946	7566342.366	22°00'08.0423"	148°18'52.9898"
83	635769.410	7566970.370	21°59'47.6064"	148°18'54.7703"
84	635587.701	7567214.746	21°59'39.7111"	148°18'48.3615"
85	636195.858	7568347.970	21°59'02.6932"	148°19'09.2249"
86	636612.586	7568459.632	21°58'58.9455"	148°19'23.7198"
87	637207.351	7568402.391	21°59'00.6391"	148°19'44.4725"
88	637234.372	7568685.065	21°58'51.4401"	148°19'45.3289"
89	637461.579	7569134.034	21°58'36.7774"	148°19'53.1138"
90	638063.830	7569128.734	21°58'36.7790"	148°20'14.1108"
91	638236.404	7569588.005	21°58'21.7965"	148°20'19.9870"
92	638397.106	7569729.576	21°58'17.1475"	148°20'25.5459"
93	638690.331	7569735.594	21°58'16.8682"	148°20'35.7659"
94	638692.965	7570331.593	21°57'57.4882"	148°20'35.6755"
95	638602.580	7570559.458	21°57'50.1048"	148°20'32.4551"
96	638742.036	7570615.348	21°57'48.2478"	148°20'37.2992"
97	640519.831	7570337.376	21°57'56.7757"	148°21'39.3556"
98	640634.586	7570361.258	21°57'55.9660"	148°21'43.3484"
99	640698.063	7570440.921	21°57'53.3574"	148°21'45.5364"
100	640789.697	7570691.587	21°57'45.1804"	148°21'48.6528"

101	641236.995	7571013.063	21°57'34.5978"	148°22'04.1445"
102	641562.779	7571416.155	21°57'21.3965"	148°22'15.3745"
103	641707.157	7571497.643	21°57'18.7049"	148°22'20.3815"
104	641996.259	7571905.571	21°57'05.3567"	148°22'30.3307"
105	641983.694	7573259.529	21°56'21.3361"	148°22'29.4695"
106	642814.375	7573735.327	21°56'05.6226"	148°22'58.2706"
107	642834.234	7575936.626	21°54'54.0410"	148°22'58.2712"
108	643066.819	7576517.174	21°54'35.0962"	148°23'06.1933"
109	643844.260	7576933.788	21°54'21.3212"	148°23'33.1510"
110	643833.592	7576953.696	21°54'20.6770"	148°23'32.7730"
111	643888.825	7577453.174	21°54'04.4201"	148°23'34.5397"
112	643923.635	7577785.276	21°53'53.6115"	148°23'35.6476"
113	643966.981	7578188.760	21°53'40.4794"	148°23'37.0303"
114	643692.081	7578041.437	21°53'45.3506"	148°23'27.4991"
115	643596.119	7578220.522	21°53'39.5559"	148°23'24.0992"
116	643995.704	7579459.995	21°52'59.1364"	148°23'37.6293"
117	644046.325	7579895.080	21°52'44.9746"	148°23'39.2553"
118	644086.051	7580249.323	21°52'33.4446"	148°23'40.5273"
119	644110.637	7580449.821	21°52'26.9181"	148°23'41.3204"
120	643755.681	7580651.345	21°52'20.4701"	148°23'28.8917"
121	643772.875	7581009.548	21°52'08.8179"	148°23'29.3778"
122	644328.263	7581144.805	21°52'04.2563"	148°23'48.6816"
Coordinates are MGA Zone 55(GDA94) See Drawing 10377-14-SK5 for Stn Numbers		Latitudes and Longitudes are GDA94 See Drawing 10377-14-SK5 for Stn Numbers		

Land information details

In this worksheet, input the land information details that will be included in your new permit application. The column headings with * are mandatory and require data to be completed either by selection of an item from a pick-list or entering some texts. You can 'copy and paste' multiple items in the same column. Each individual cell will give you instruction on how to enter the correct data.

Lot number	Plan number	Land tenure type *	Land tenure name (if applicable)	Current land usage *	Proposed usage *	Land owner's name *	Land owners address	Is compensation required? *	Land subject to erosion control works
3	SP190266	Freehold		Grazing	Permit	MILLENNIUM COAL PTY LTD	GPO Box 164 BRISBANE QLD 4001	Yes	
2	SP214498	Freehold		Grazing	Permit	DAVID JOSEPH DEGUARA JOY ELIZABETH DEGUARA	DAUNIA STATION NEBO QLD 4742	Yes	
1	SP158697	Freehold		Grazing	Permit	PEABODY COPPABELLA PTY LTD, CITIC AUSTRALIA COPPABELLA PTY LTD, MAPELLA PTY LTD, KC RESOURCES PTY LTD, NS COAL PTY LTD	GPO Box 164 BRISBANE QLD 4001	No	
0	0	Road Reserve	Daunia Road (SEGMENT:61926 PARCEL:15; SEGMENT: 61926 PARCEL: 37; SEGMENT: 61926 PARCEL: 38)	Transport	Permit	Isaac Regional Council	PO Box 97 MORANBAH QLD 4744	Yes	
21	GV264	Freehold		Grazing	Permit	SHANE SAMUEL DEGUARA	LOT 21, PEAK DOWNS HWY COPPABELLA QLD 4741	Yes	
0	0	Road Reserve	Peak Downs Highway (SEGMENT:61926 PARCEL:59)	Transport	Permit	THE STATE OF QUEENSLAND - DTMR	PO BOX 62 MACKAY QLD 4740	Yes	
131	SP266905	Freehold		Grazing	Permit	PEABODY BISTROTEL PTY LTD	GPO Box 164 BRISBANE QLD 4001	Yes	
0	0	Road Reserve	Spring Creek Road (SEGMENT:61926 PARCEL:194)	Transport	Permit	Isaac Regional Council	PO Box 97 MORANBAH QLD 4744	Yes	
23	SP130066	Freehold		Transport	Permit	THE STATE OF QUEENSLAND - DTMR	PO BOX 62 MACKAY QLD 4740	Yes	
0	0	Road Reserve	Unnamed Road (SEGMENT:61926 PARCEL:39)	Transport	Permit	Isaac Regional Council	PO Box 97 MORANBAH QLD 4744	Yes	
25	SP130068	Lands lease	Norwich Park Branch Railway	Transport	Permit	THE STATE OF QUEENSLAND - DTMR	PO BOX 62 MACKAY QLD 4740	Yes	
2	SP158697	Freehold	Moorvale Spur Railway	Transport	Permit	PEABODY COPPABELLA PTY LTD, CITIC AUSTRALIA COPPABELLA PTY LTD, MAPELLA PTY LTD, KC RESOURCES PTY LTD, NS COAL PTY LTD	GPO Box 164 BRISBANE QLD 4001	No	

Adjoining land information details for mining lease applications

In this worksheet, input the land information details that will be included in your new mining lease application. The column headings with * are mandatory and require data to be completed either by selection of an item from a pick-list or entering some texts. You can 'copy and paste' multiple items in the same column. Each individual cell will give you instruction on how to enter the correct data.

Lot number	Plan number	Land tenure type *	Land tenure name (if applicable)	Land owner's name *	Land owners address
5270	SP144274	Lands lease	Harrybrandt West	EDWARD MARTIN BELLA, REGENA FRANCES BELLA, MARTIN JOSEPH BELLA, PETER ANDREW BELLA, STEPHEN EDWARD BELLA, ANTHONY JOHN BELLA, ROBERT JAMES BELLA	'Oben Park' NEBO QLD 4742
22	GV264	Freehold		D AND C EXIT PTY LTD A.C.N. 602 654 768 TRUSTEE UNDER INSTRUMENT 716187456	c/- Pilot Partners PO Box 7095 RIVERSIDE CENTRE QLD 4001
9	SP113033	Lands lease		PEABODY BISTROTEL PTY LTD	GPO Box 164 BRISBANE QLD 4001
2	SP113033	Lands lease		PEABODY BISTROTEL PTY LTD	GPO Box 164 BRISBANE QLD 4001
7	RP856274	Freehold		LISA MAE SMITH, GILBERT PATRICK SMITH	Lot 7 Peak Downs Highway COPPABELLA QLD 4741
23	GV264	Freehold		STEVEN BRADLEY BAUER, STELLA MAREE BAUER	PO Box 180 MORANBAH QLD 4744

Pt	CAT	DESCRIPTION	Easting (MGA Z55)	Northing (MGA Z55)	Lot	Plan
RL1	A	House	643698	7577694		21 GV264
RL2	B	Trough	643831	7577842		21 GV264
RL3	B	Building	643707	7578192		23 SP13066
RL4	B	DAM	644138	7579883		131 SP266905
RL5	B	DAM	644134	7580702		131 SP266905
RL6	B	Dam	638029.3	7568525.4		1 SP158697
RL7	B	Dam	635696.5	7566275.5		3 SP190266

MINING LEASE APPLICATION (s316) - COPPABELLA MOORVALE MILLENNIUM PIPELINE

The Coppabella and Moorvale Joint Venture Participants are developing a water strategy for the Coppabella, Moorvale and Millennium operations.

The Moorvale mine is likely to have restrictions on production in 2020 due to limited water for the mining operation. The Coppabella mine has 11GL of water stored in a low strip ratio section of the mine.

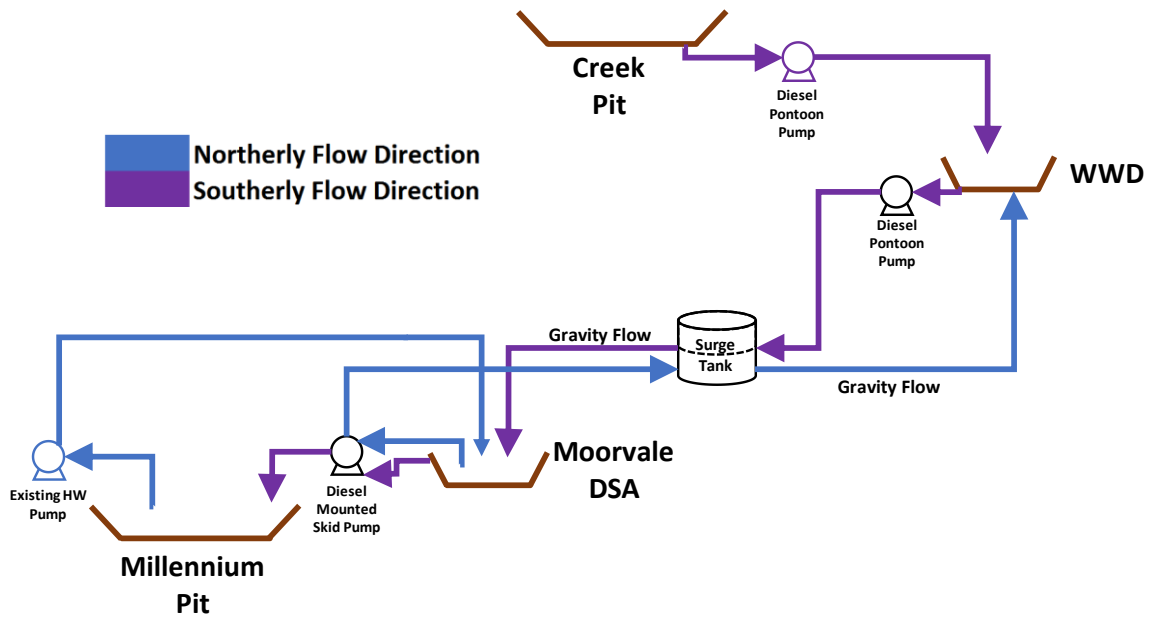
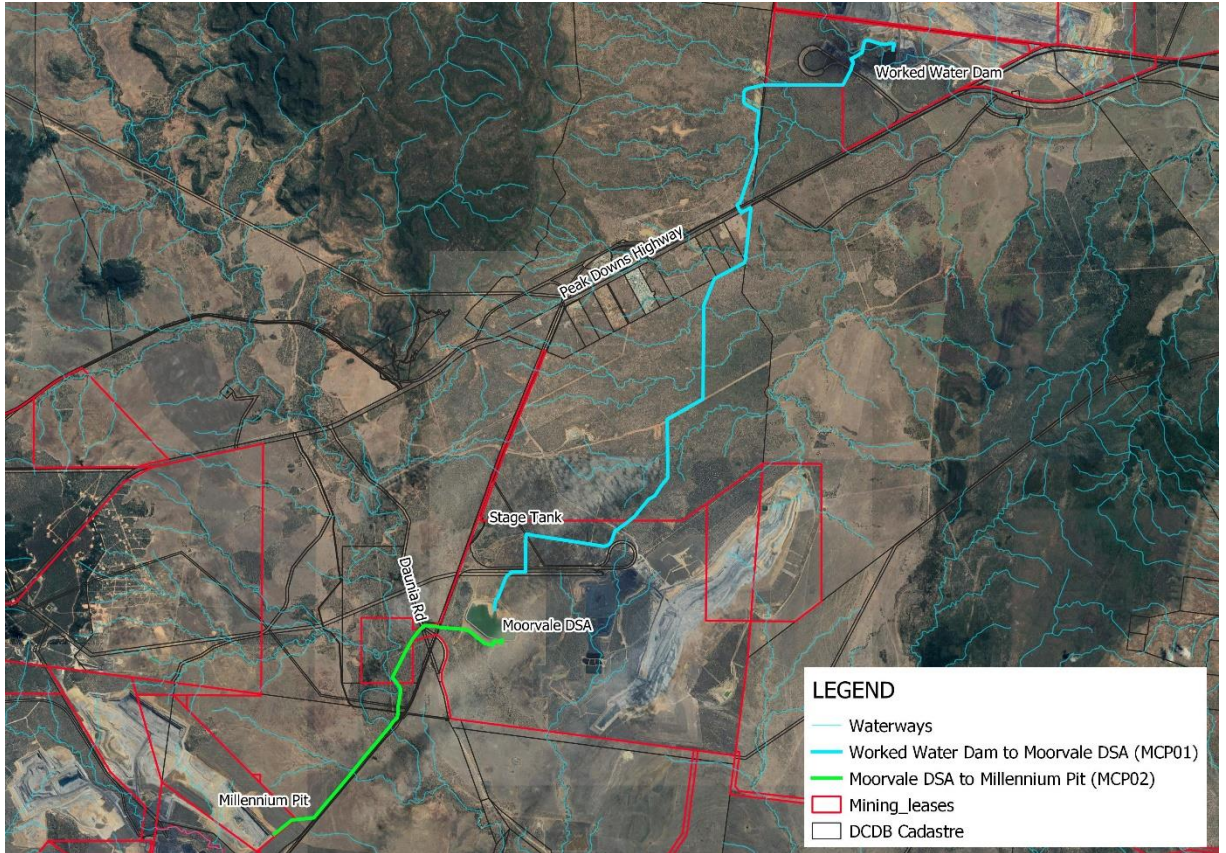
The strategy is to utilise the empty void at Millennium to store water from Coppabella for both the Moorvale and Coppabella operations. This strategy will allow water to be transferred in either direction in both drought and wet weather events to ensure optimum management of water resources.

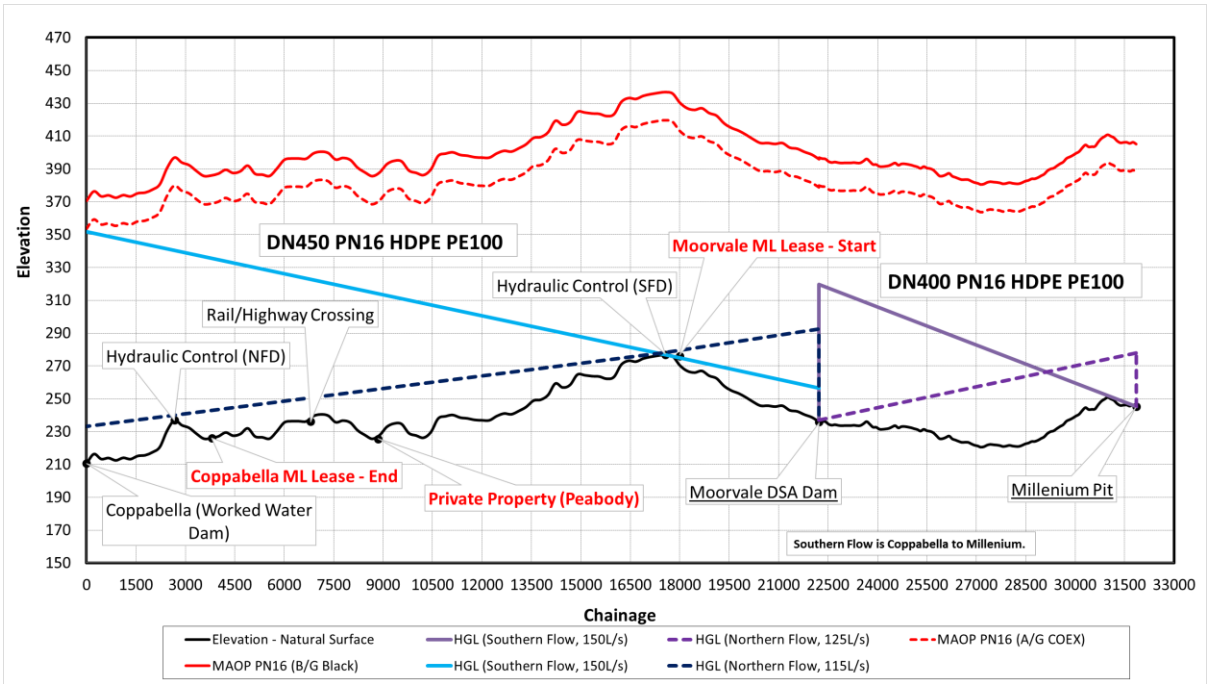
Engeny have carried out the design for the pipeline construction from Coppabella to Millennium with a total distance of approximately 30km. A Mining Lease application (s316 MRA) is being sought for installation and operation of the proposed pipeline.

The design has the following requirements

- The pipe will be buried at a depth of 1.2 meters
- The trenching will be carried out with a designated trenching machine
- The trench will be 600mm wide X 1200mm deep with the trench covered daily
- Trenching will not allow open trenches over night during the construction process
- All pipe will be 450mm in diameter and have a rating of PN 16
- Telemeter will be installed at all creek crossing and critical areas to manage the risk of discharge
- Telemeter will control pump operation
- Hydro vacuuming will be carried out by a recognised Telstra contractor
- The Pumping System will deliver mine affected water to Moorvale DSA dam at 200 l/s. This water will then be pumped to Millennium void as required
- The pumping system has been designed to be reversable to allow water transfers back and forth between the Coppabella, Moorvale and Millennium operations
- An inspection regime appropriate for the level of operational use and complementary to the installed sensors, telemetry and control systems will be implemented through the SAP maintenance system as part of the mine operation plan
- Rehab of the work area will involve replacing the disturber top soil to the trenched area and scarifying the top soil then seeding the area.
- Total workforce involved with the project will be between 10 to 15 people on construction
- Long term labour requirement will form be part of the mine services group

PROPOSED PIPELINE ROUTE





Southern Flow is Coppabella to Millenium.