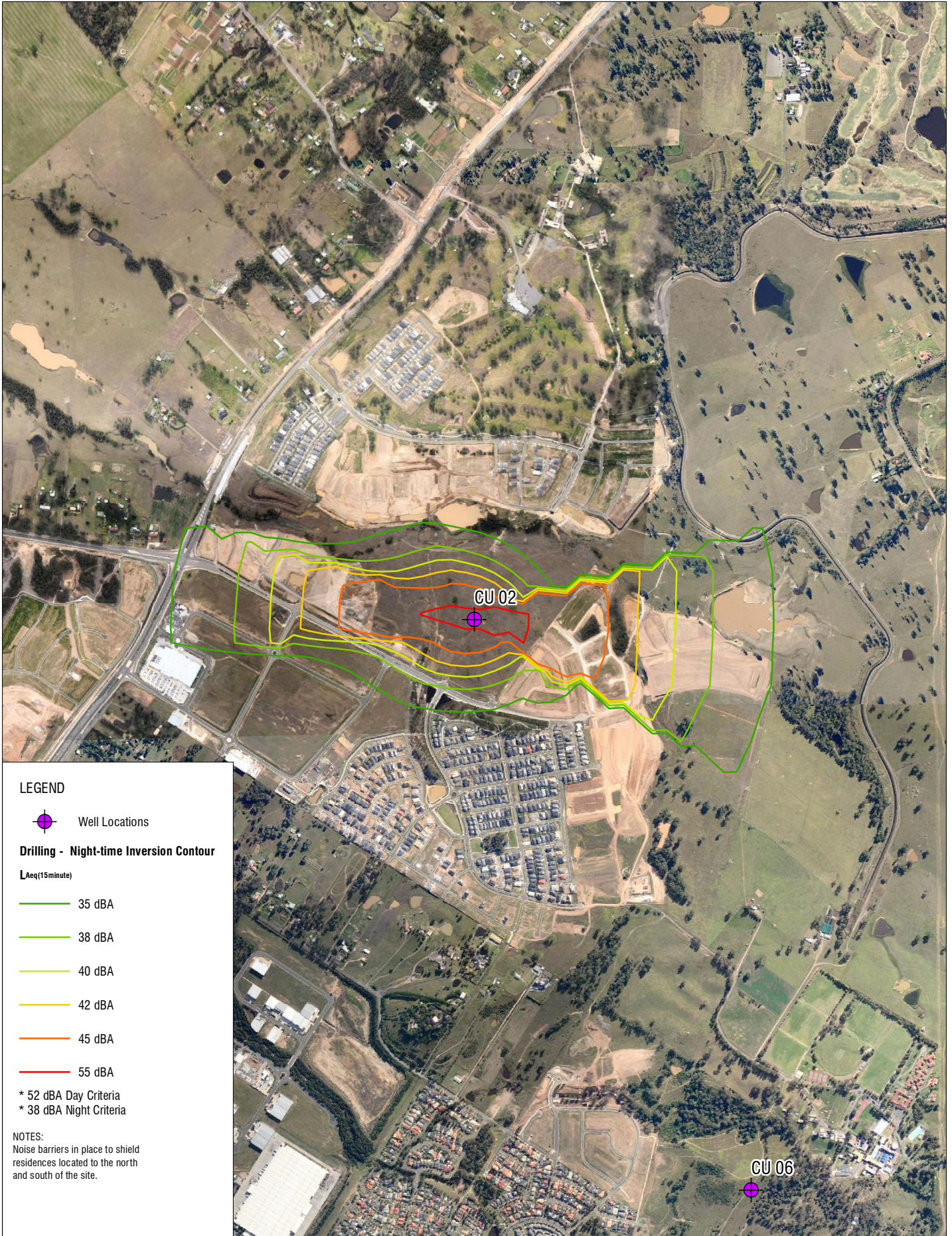




## **Appendix B Noise Contour Plots – Operational and Drilling Activities (provided by SLR)**



**Appendix B1      Worst-Case Noise Impact Contours – Construction**



**LEGEND**

Well Locations

**Drilling - Night-time Inversion Contour**

**L<sub>Aeq</sub>(15minute)**

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 55 dBA

\* 52 dBA Day Criteria  
\* 38 dBA Night Criteria

**NOTES:**

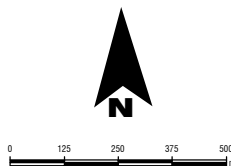
Noise barriers in place to shield residences located to the north and south of the site.

G:\Drafting\630.02131\Figures\ArcGIS\SLR\_630\_02131\_002\_05.mxd

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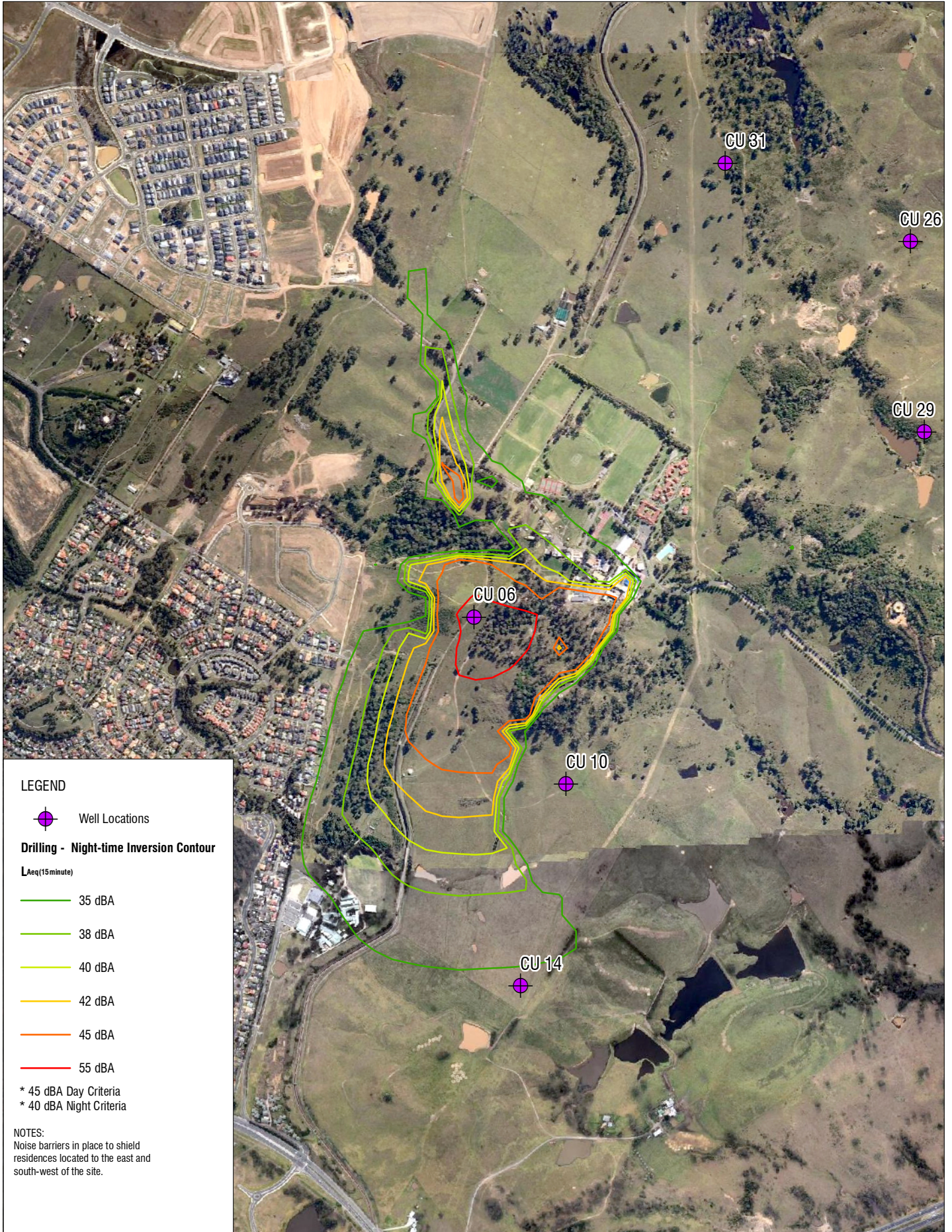


AGL Gas Production (Camden) Pty Ltd

**Northern Expansion of the Camden Gas Project**

**Drilling - Night-time Inversion  
Well CU 02**

FIGURE 2 - 1



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**LEGEND**

Well Locations

**Drilling - Night-time Inversion Contour**

**L<sub>Aeq</sub>(15 minute)**

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 55 dBA

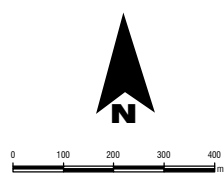
\* 45 dBA Day Criteria  
\* 40 dBA Night Criteria

**NOTES:**  
Noise barriers in place to shield residences located to the east and south-west of the site.

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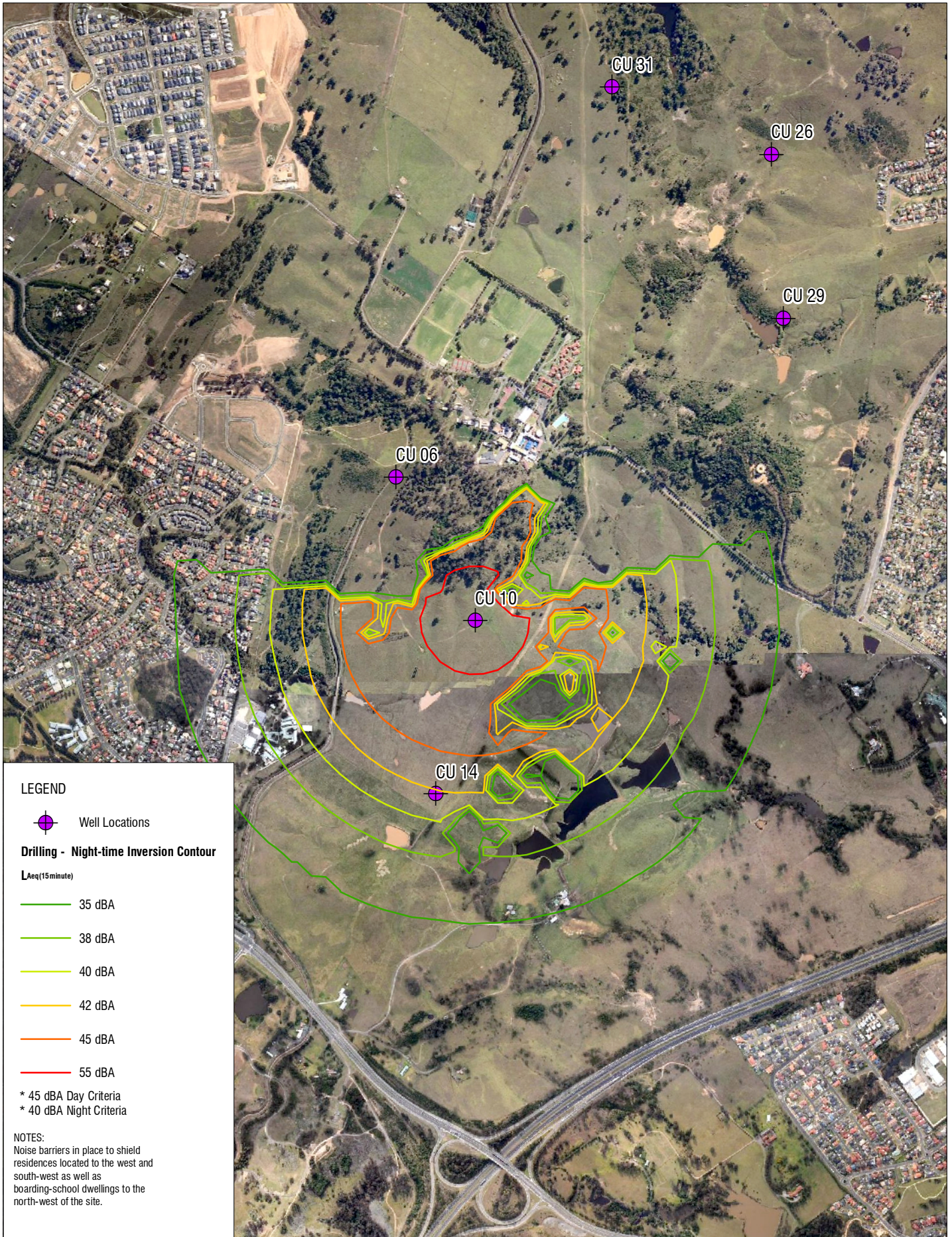


AGL Gas Production (Camden) Pty Ltd

**Northern Expansion of the Camden Gas Project**

**Drilling - Night-time Inversion Well CU 06**

FIGURE 2 - 2



**LEGEND**

Well Locations

**Drilling - Night-time Inversion Contour**

**Leq(15 minute)**

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 55 dBA

\* 45 dBA Day Criteria  
 \* 40 dBA Night Criteria

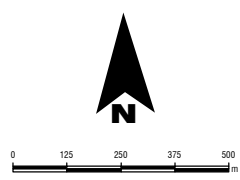
**NOTES:**  
 Noise barriers in place to shield residences located to the west and south-west as well as boarding-school dwellings to the north-west of the site.

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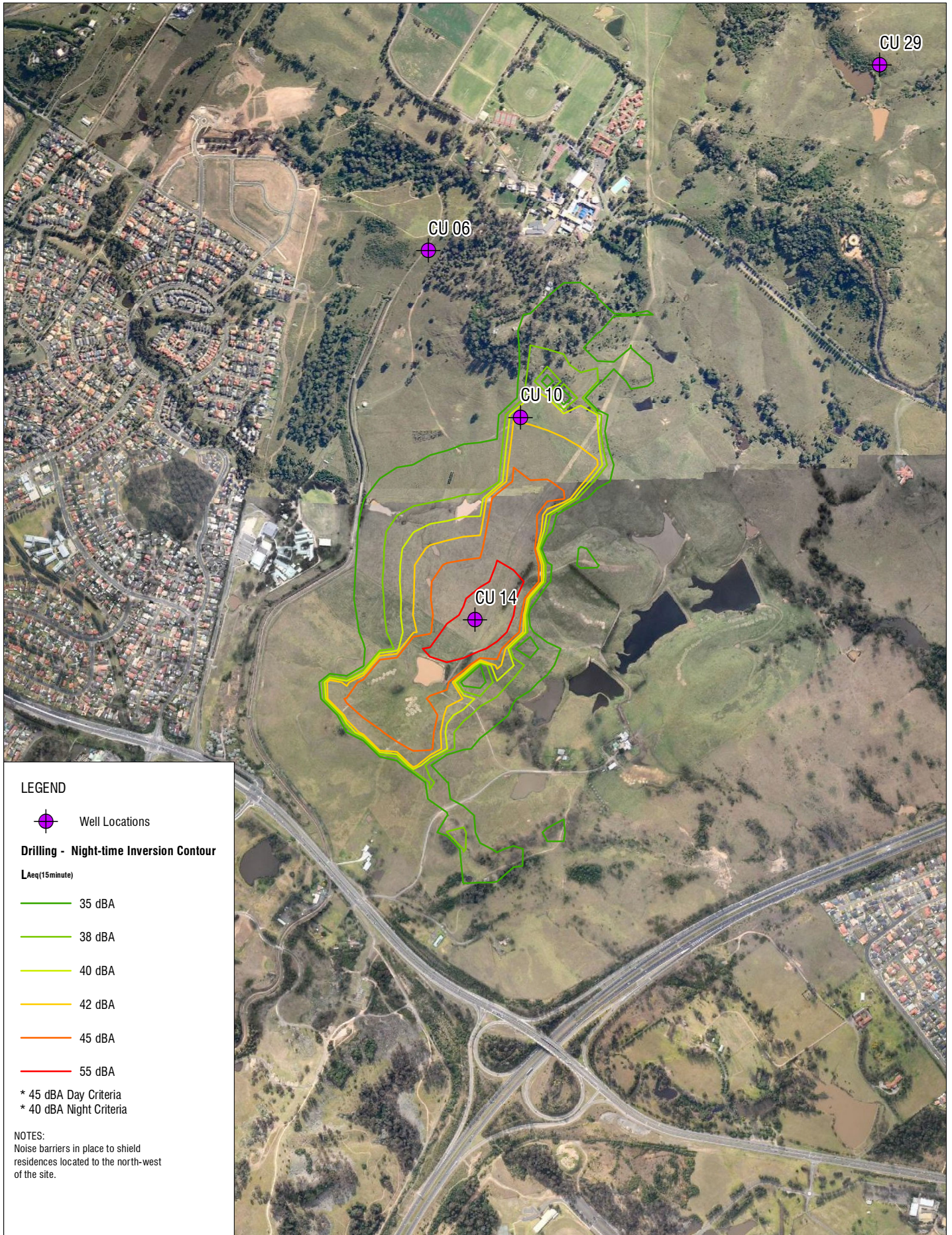


AGL Gas Production (Camden) Pty Ltd

**Northern Expansion of the Camden Gas Project**

**Drilling - Night-time Inversion Well CU 10**

FIGURE 2 - 3



**LEGEND**

Well Locations

**Drilling - Night-time Inversion Contour**

**L<sub>Aeq</sub>(15minute)**

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 55 dBA

\* 45 dBA Day Criteria  
 \* 40 dBA Night Criteria

**NOTES:**  
 Noise barriers in place to shield residences located to the north-west of the site.

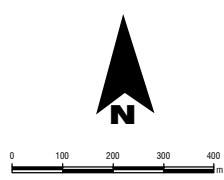
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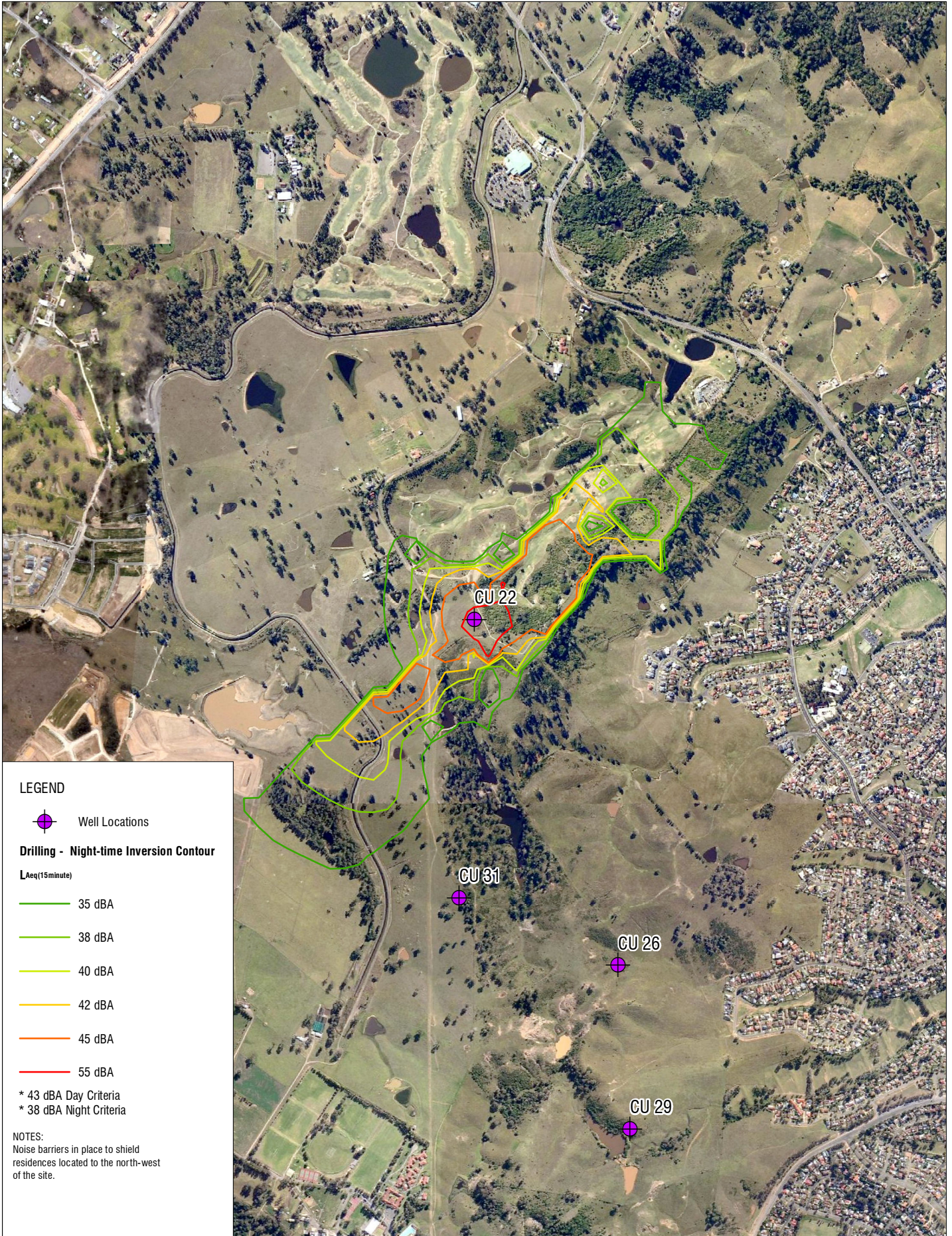


AGL Gas Production (Camden) Pty Ltd

**Northern Expansion of the Camden Gas Project**

**Drilling - Night-time Inversion  
 Well CU 14**

FIGURE 2 - 4



**LEGEND**

Well Locations

**Drilling - Night-time Inversion Contour**

**L<sub>Aeq</sub>(15minute)**

35 dBA

38 dBA

40 dBA

42 dBA

45 dBA

55 dBA

\* 43 dBA Day Criteria

\* 38 dBA Night Criteria

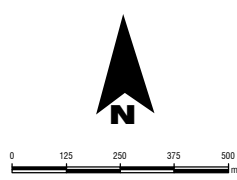
**NOTES:**  
Noise barriers in place to shield residences located to the north-west of the site.

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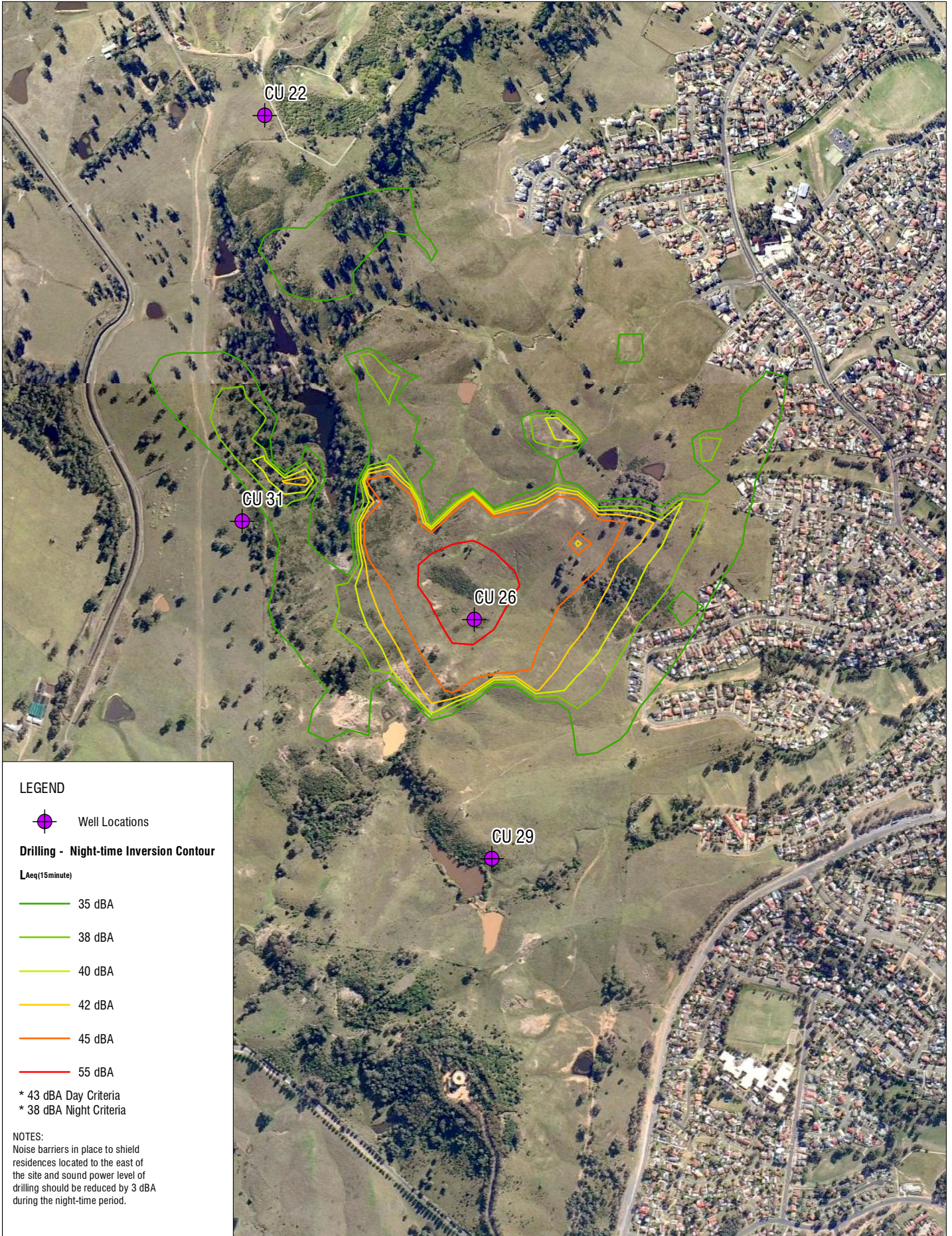


AGL Gas Production (Camden) Pty Ltd

**Northern Expansion of the Camden Gas Project**

**Drilling - Night-time Inversion**  
**Well CU 22**

FIGURE 2 - 5



**LEGEND**

Well Locations

**Drilling - Night-time Inversion Contour**

**L<sub>Aeq</sub>(15minute)**

35 dBA

38 dBA

40 dBA

42 dBA

45 dBA

55 dBA

\* 43 dBA Day Criteria  
\* 38 dBA Night Criteria

**NOTES:**  
Noise barriers in place to shield residences located to the east of the site and sound power level of drilling should be reduced by 3 dBA during the night-time period.

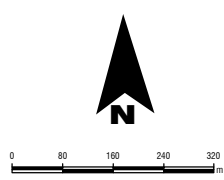
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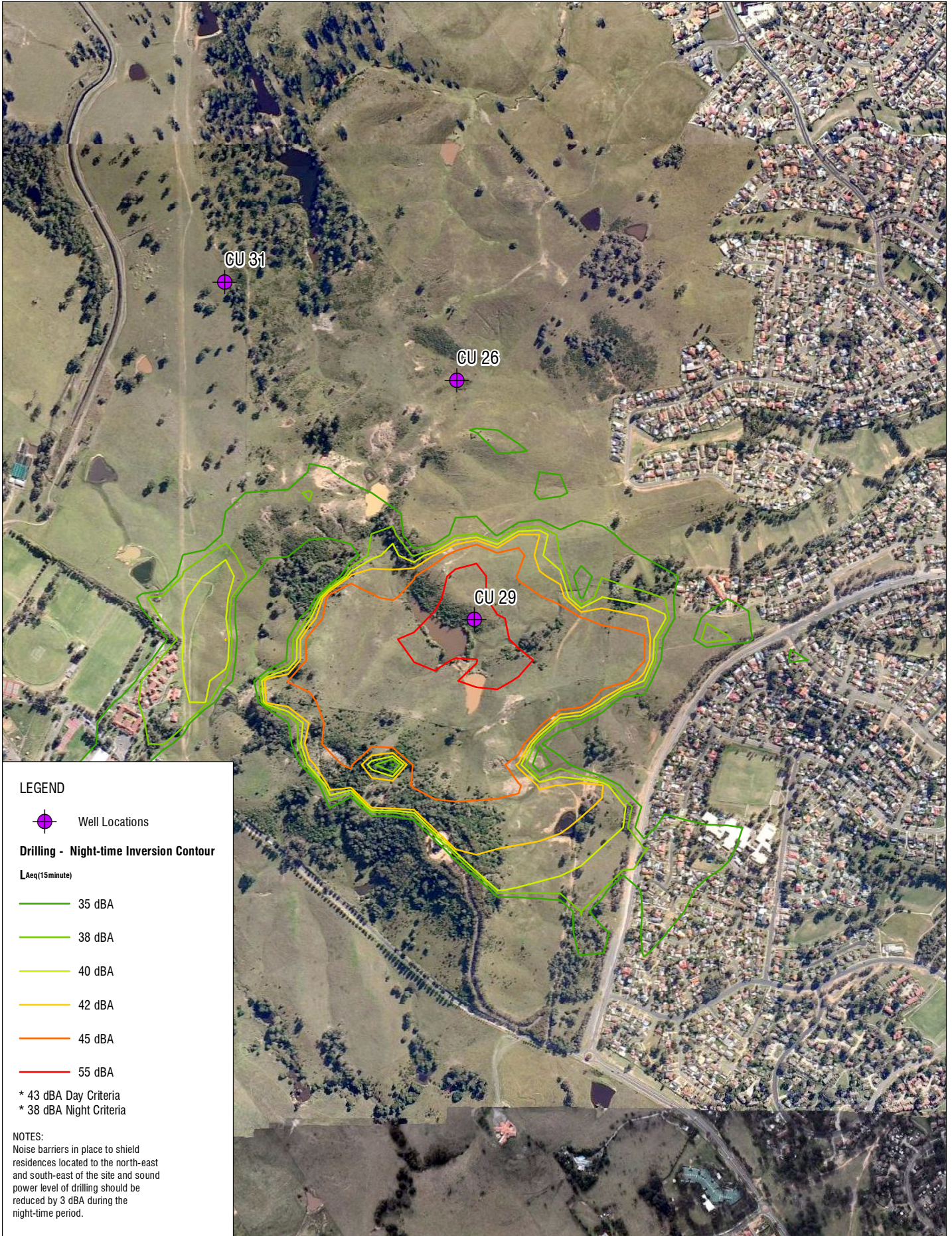
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**Northern Expansion of the Camden Gas Project**

**Drilling - Night-time Inversion Well CU 26**

FIGURE 2 - 6





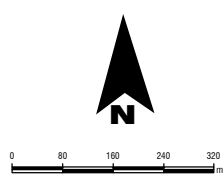
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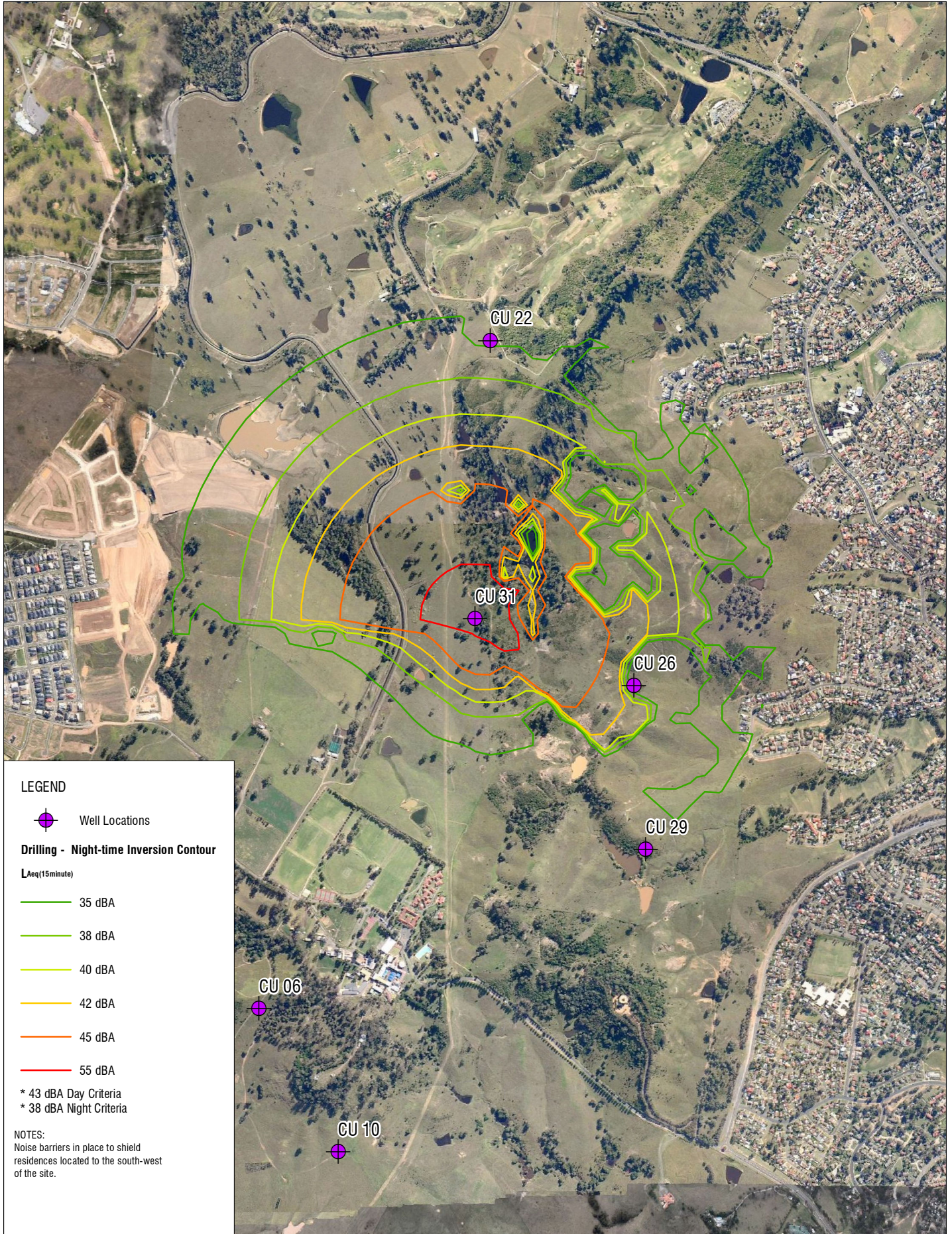


AGL Gas Production (Camden) Pty Ltd

**Northern Expansion of the Camden Gas Project**

**Drilling - Night-time Inversion  
Well CU 29**

FIGURE 2 - 7



**LEGEND**

Well Locations

**Drilling - Night-time Inversion Contour**

**L<sub>Aeq</sub>(15minute)**

35 dBA

38 dBA

40 dBA

42 dBA

45 dBA

55 dBA

\* 43 dBA Day Criteria

\* 38 dBA Night Criteria

**NOTES:**  
Noise barriers in place to shield residences located to the south-west of the site.

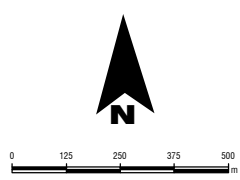
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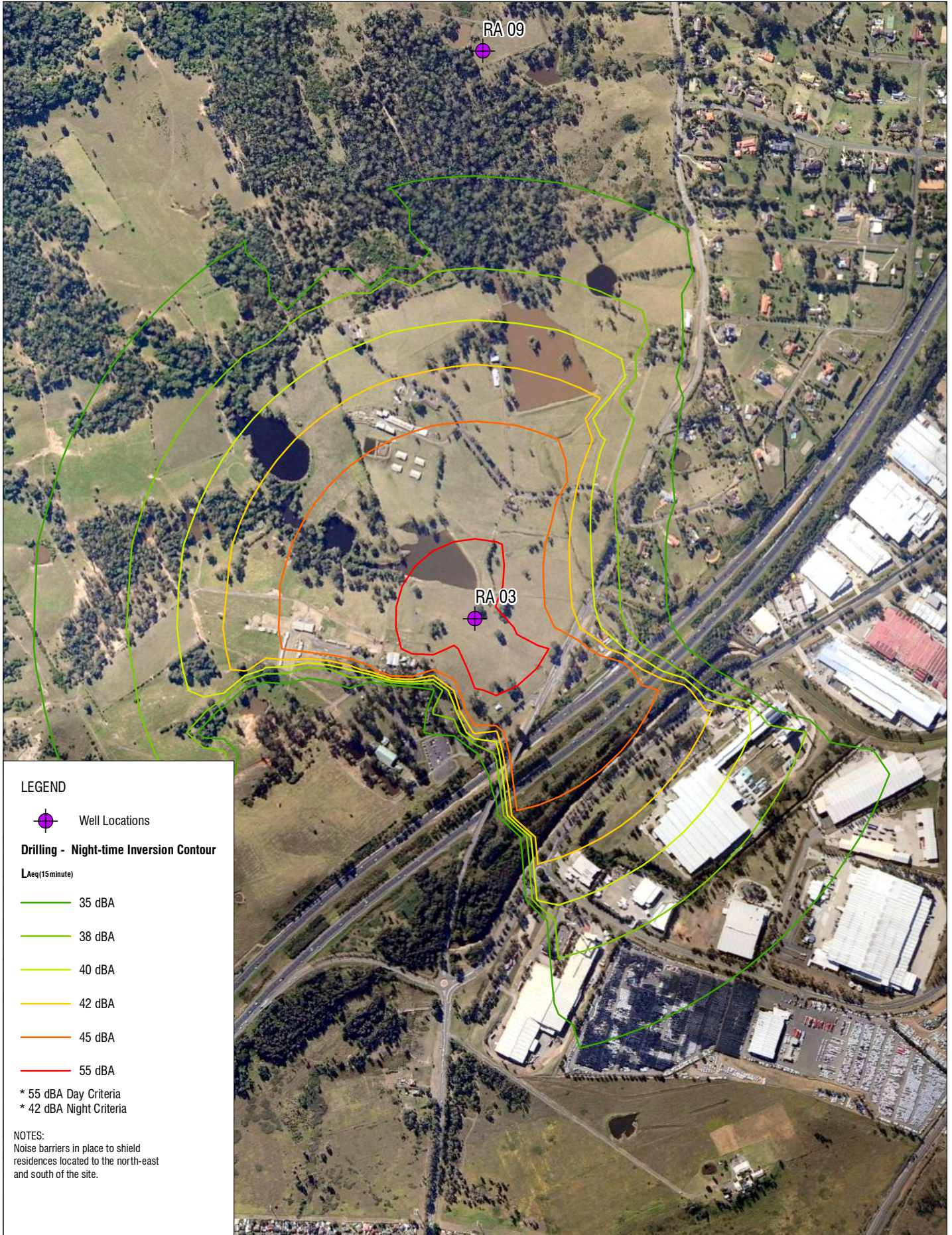


AGL Gas Production (Camden) Pty Ltd

**Northern Expansion of the Camden Gas Project**

**Drilling - Night-time Inversion  
Well CU 31**

FIGURE 2 - 8



**LEGEND**

Well Locations

**Drilling - Night-time Inversion Contour**

**L<sub>Aeq</sub>(15minute)**

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 55 dBA

\* 55 dBA Day Criteria  
 \* 42 dBA Night Criteria

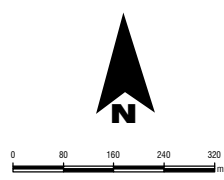
**NOTES:**  
 Noise barriers in place to shield residences located to the north-east and south of the site.

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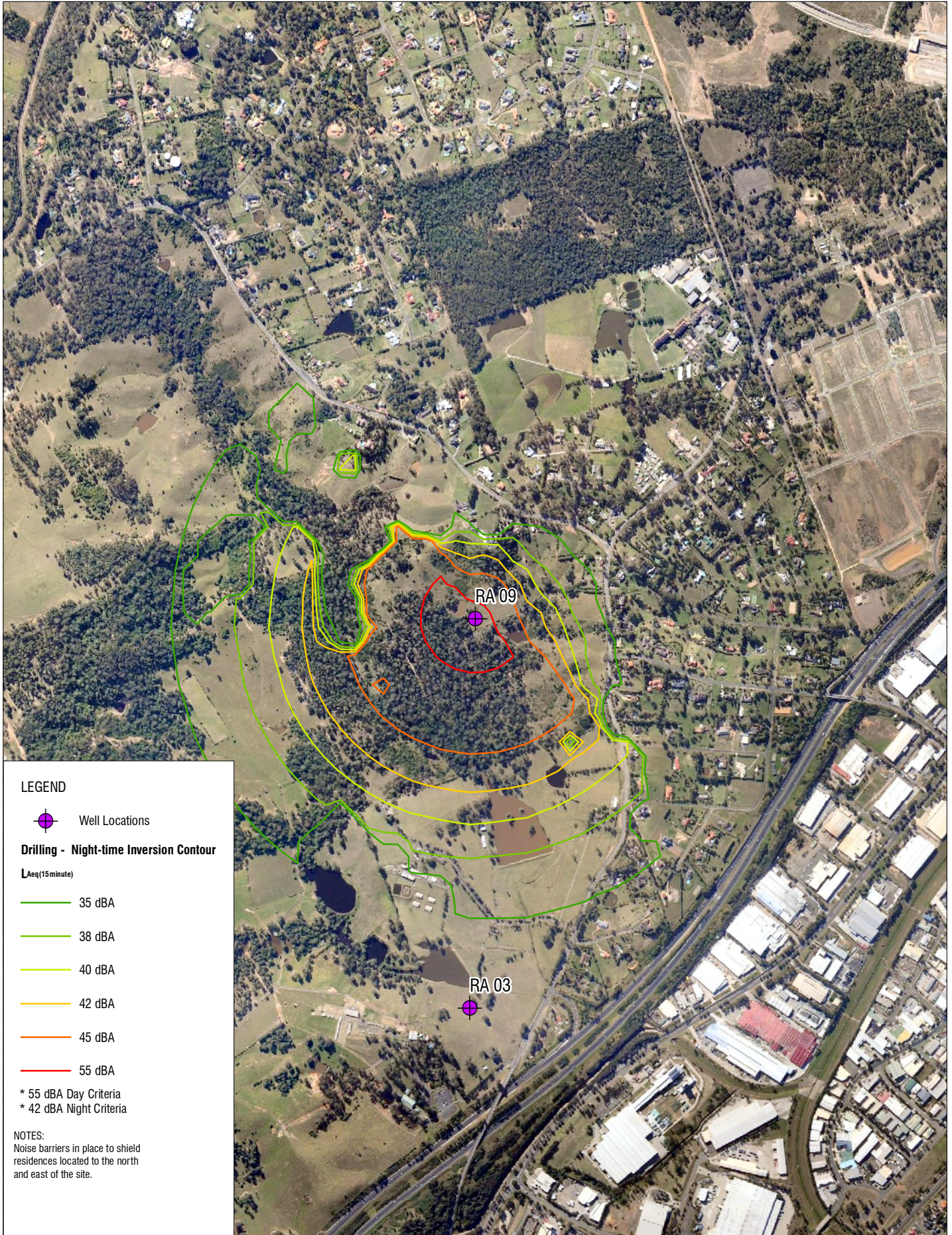


AGL Gas Production (Camden) Pty Ltd

**Northern Expansion of the Camden Gas Project**

**Drilling - Night-time Inversion Well RA 03**

FIGURE 2 - 9



**LEGEND**

Well Locations

**Drilling - Night-time Inversion Contour**

**L<sub>Aeq</sub>(15 minute)**

35 dBA

38 dBA

40 dBA

42 dBA

45 dBA

55 dBA

\* 55 dBA Day Criteria  
\* 42 dBA Night Criteria

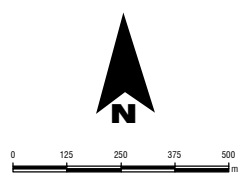
**NOTES:**  
Noise barriers in place to shield residences located to the north and east of the site.

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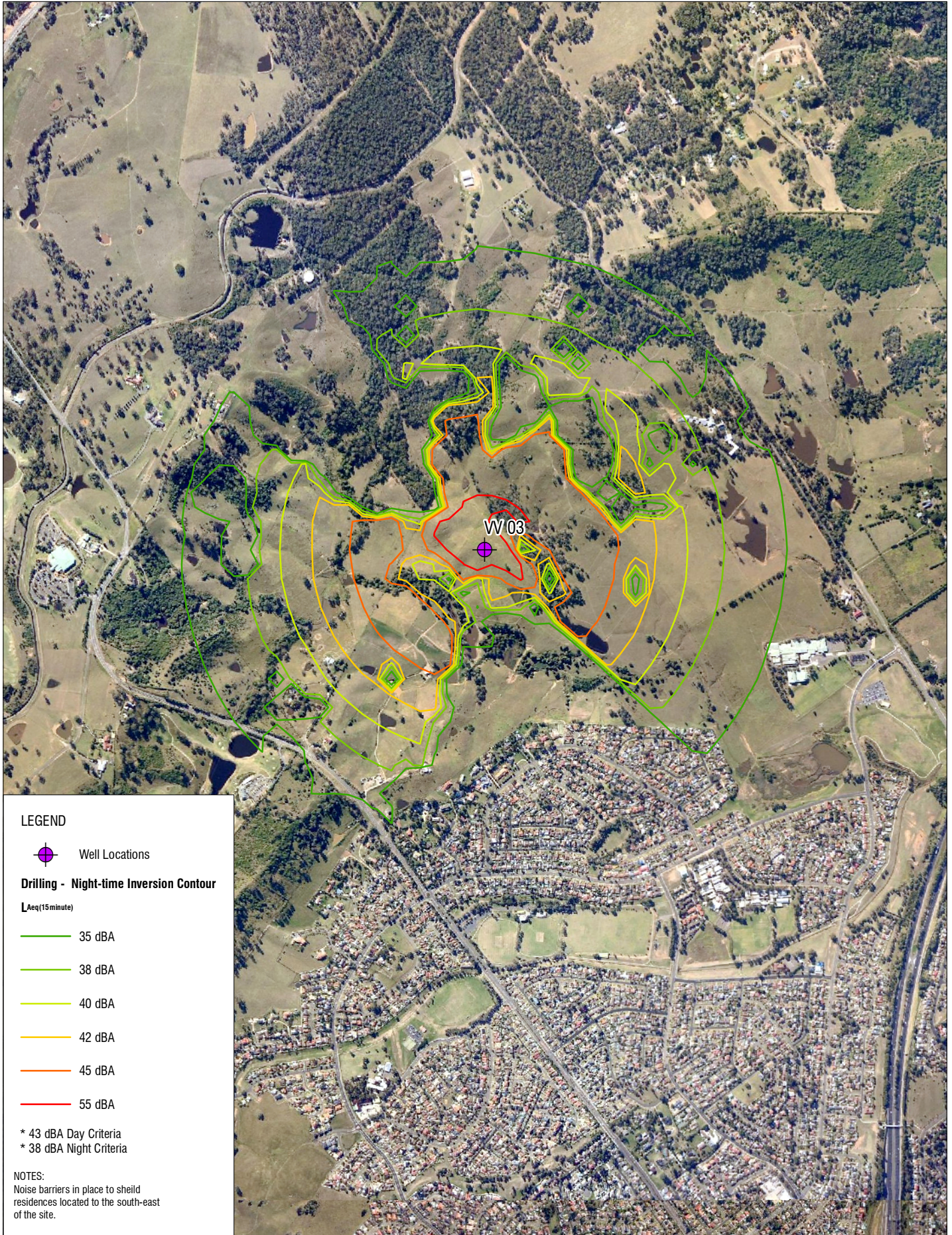


AGL Gas Production (Camden) Pty Ltd

**Northern Expansion of the Camden Gas Project**

**Drilling - Night-time Inversion  
Well RA 09**

FIGURE 2 - 10



**LEGEND**

Well Locations

**Drilling - Night-time Inversion Contour**

**L<sub>Aeq</sub>(15 minute)**

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 55 dBA

\* 43 dBA Day Criteria  
\* 38 dBA Night Criteria

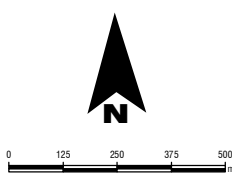
**NOTES:**  
Noise barriers in place to shield residences located to the south-east of the site.

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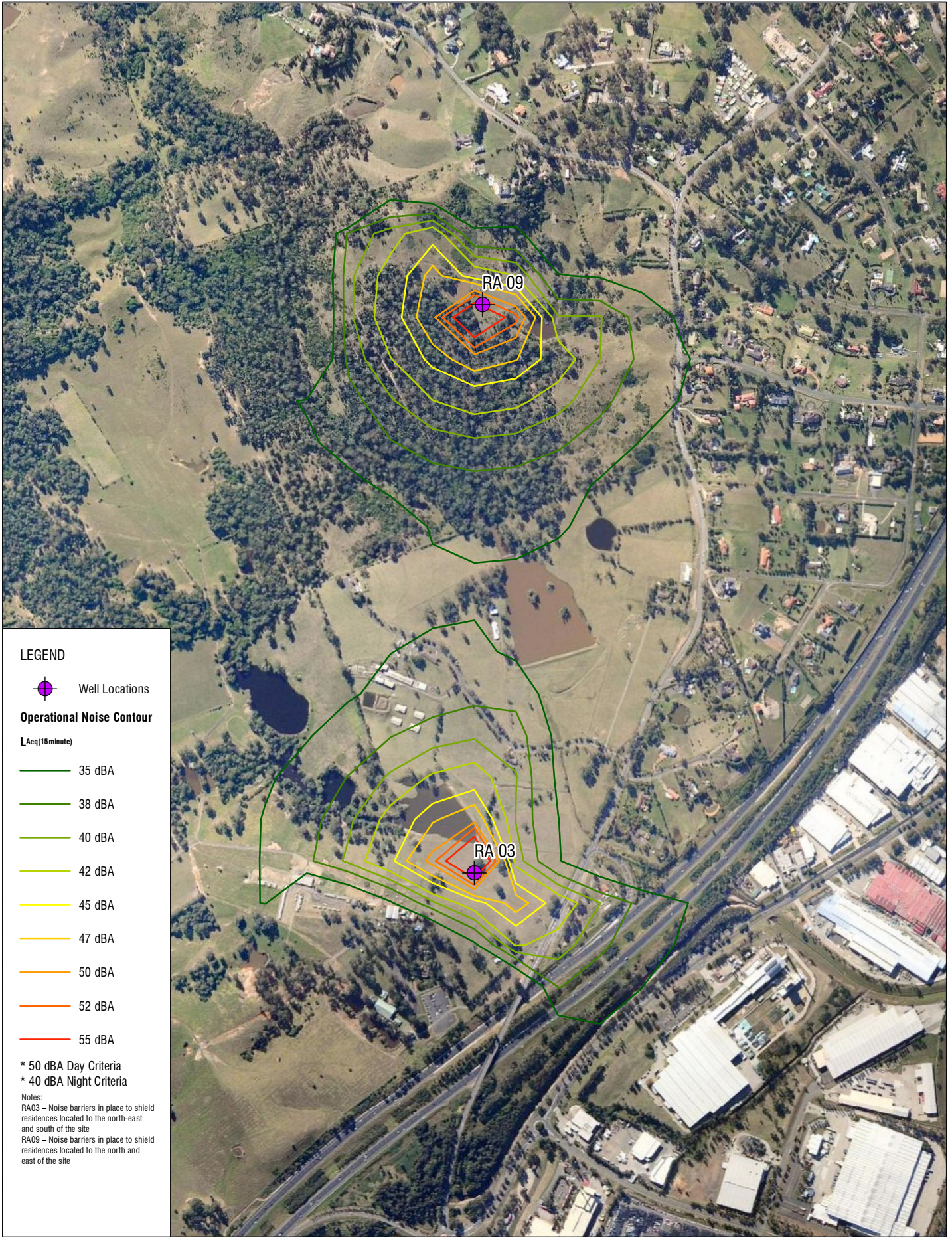
**Drilling - Night-time Inversion  
Well VV 03**

FIGURE 2 - 11



## **Appendix B2      Worst-Case Noise Impact Contours – Operations**

G:\Drafting\630.02131\Figures\ArcGIS\LR\_630\_02131\_001\_Operational\_Pump\_Assisted\_Noise\_Walls\_04.mxd



**LEGEND**



Well Locations

**Operational Noise Contour**

**L<sub>Aeq</sub>(15minute)**

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 47 dBA
- 50 dBA
- 52 dBA
- 55 dBA

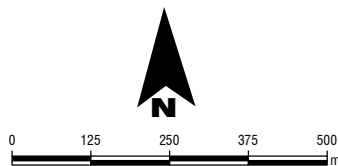
\* 50 dBA Day Criteria  
\* 40 dBA Night Criteria

Notes:  
RA03 – Noise barriers in place to shield residences located to the north-east and south of the site  
RA09 – Noise barriers in place to shield residences located to the north and east of the site

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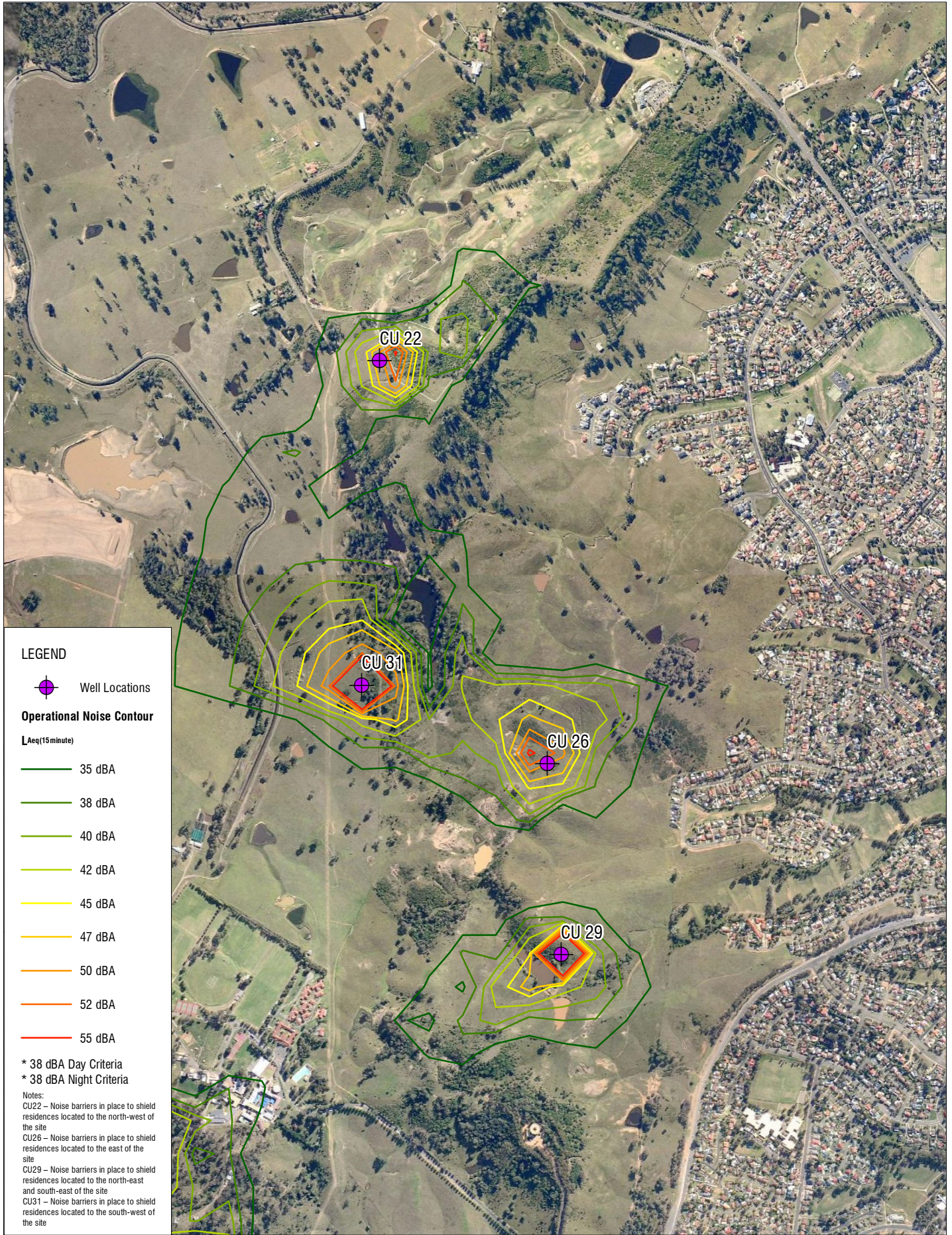


AGL Gas Production (Camden) Pty Ltd

**Northern Expansion of the Camden Gas Project**

**Operational Noise Contours -  
Pump Assisted including Noise Walls -  
Night-time, Inversion**

FIGURE 1 - 1



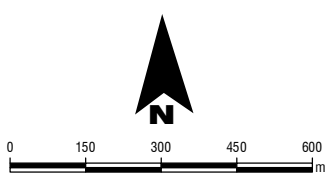
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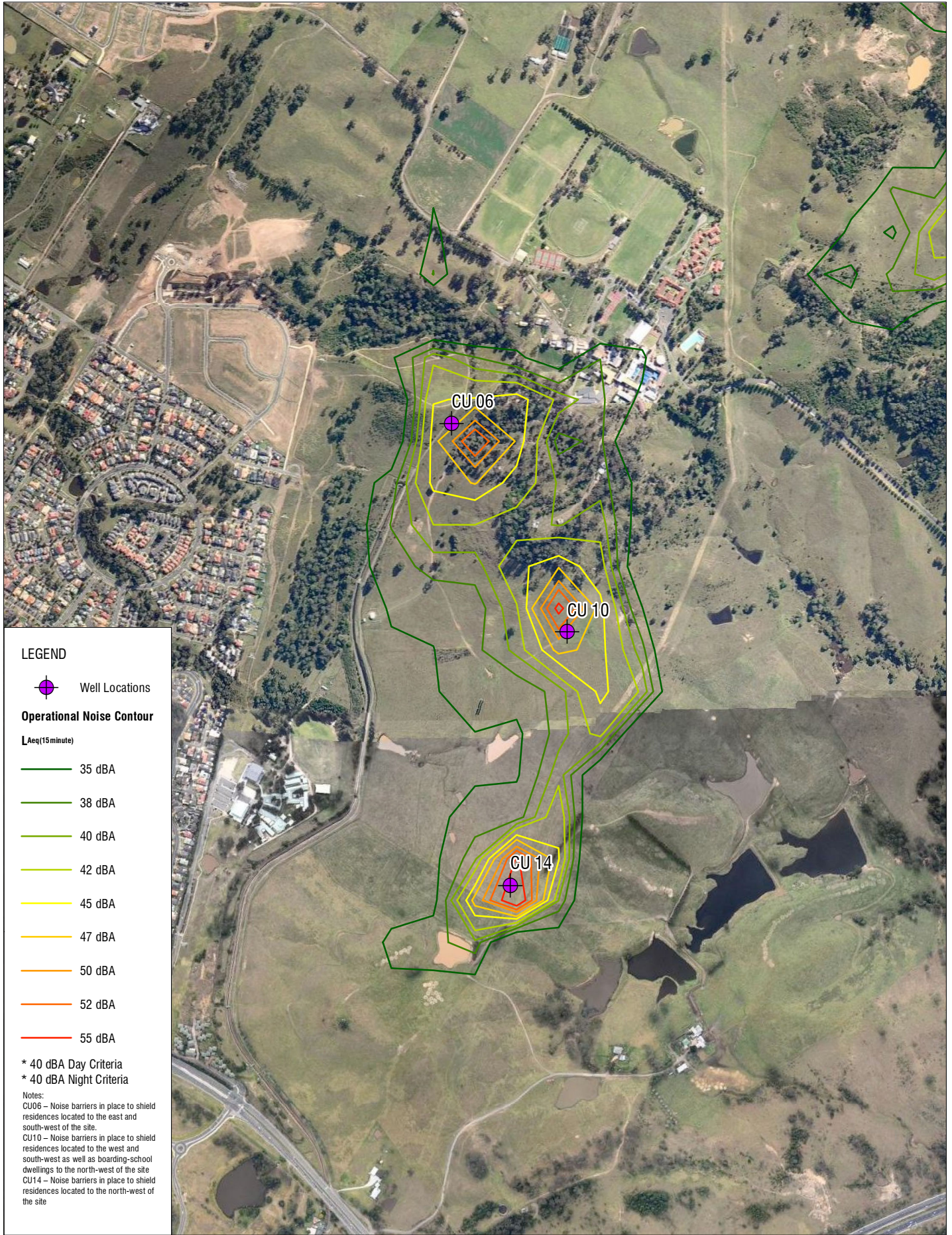
AGL Gas Production (Camden) Pty Ltd

**Northern Expansion of the Camden Gas Project**

**Operational Noise Contours - Pump Assisted including Noise Walls - Night-time, Inversion**

FIGURE 1 - 2



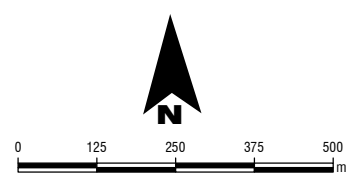


G:\Drafting\630.02131\Figures\ArcGIS\LR\_630\_02131\_001\_Operational\_Pump Assisted\_Noise Walls\_04.mxd

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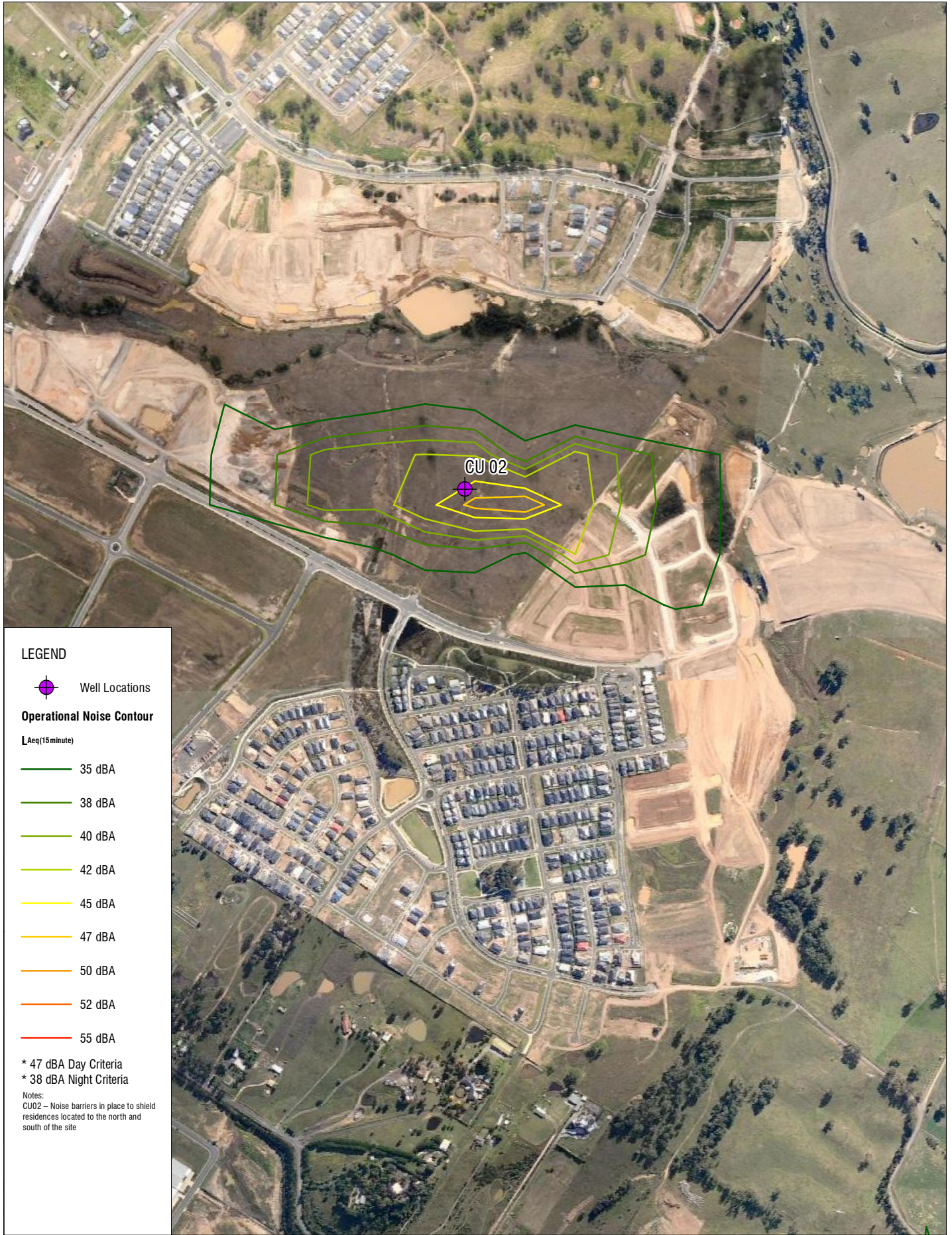


AGL Gas Production (Camden) Pty Ltd

**Northern Expansion of the Camden Gas Project**

**Operational Noise Contours -  
 Pump Assisted including Noise Walls -  
 Night-time, Inversion**

FIGURE 1 - 3



**LEGEND**



Well Locations

**Operational Noise Contour**

**L<sub>Aeq</sub>(15minute)**

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 47 dBA
- 50 dBA
- 52 dBA
- 55 dBA

\* 47 dBA Day Criteria  
 \* 38 dBA Night Criteria

Notes:  
 CU02 – Noise barriers in place to shield residences located to the north and south of the site

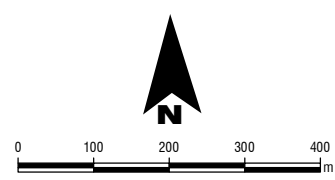
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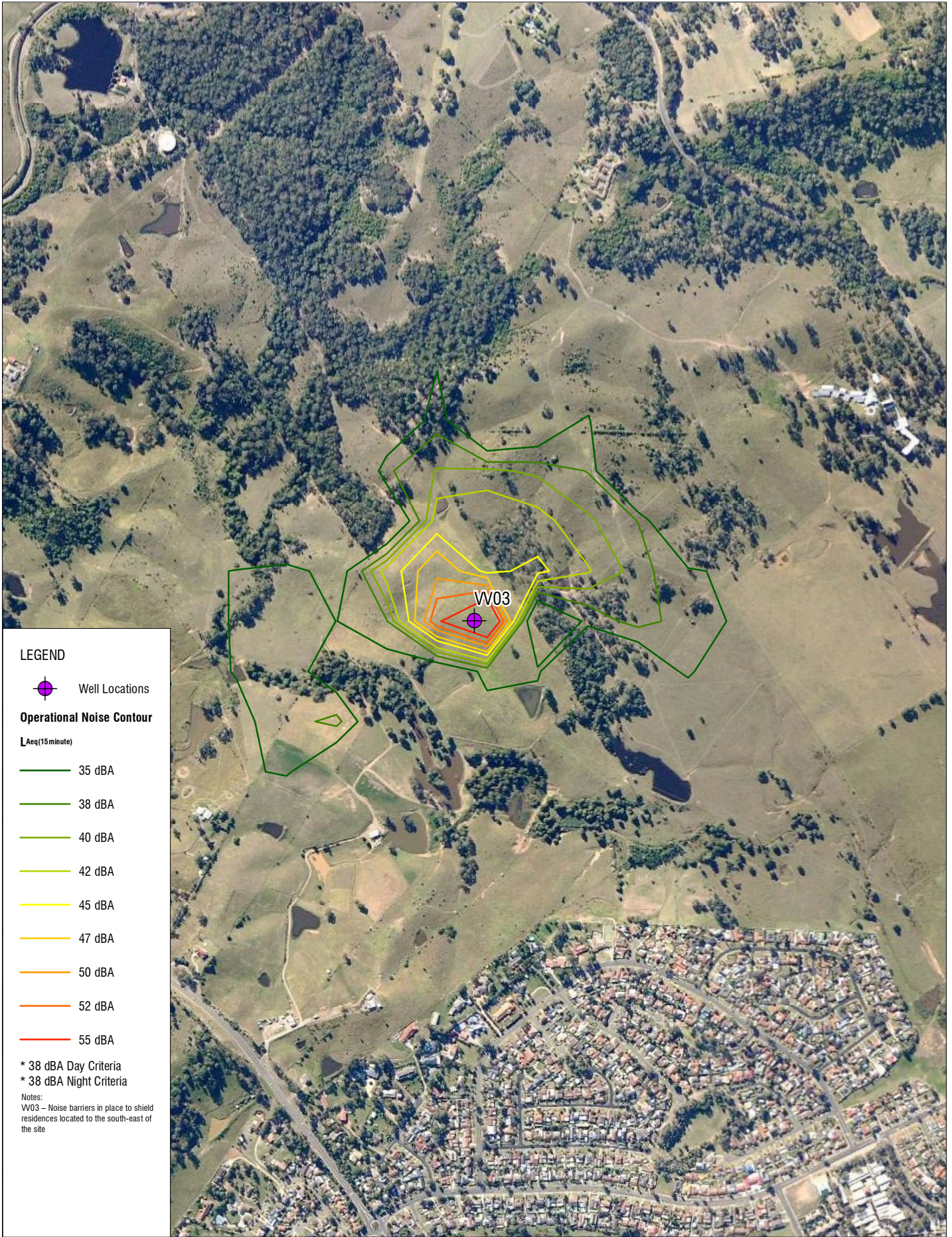
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**Northern Expansion of the Camden Gas Project**

**Operational Noise Contours - Pump Assisted including Noise Walls - Night-time, Inversion**

FIGURE 1 - 4

G:\Drafting\630.02131\Figures\ArcGIS\LR\_630\_02131\_001\_Operational\_Pump Assisted\_Noise Walls\_04.mxd



**LEGEND**

Well Locations

**Operational Noise Contour**

**L<sub>Aeq</sub>(15minute)**

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 47 dBA
- 50 dBA
- 52 dBA
- 55 dBA

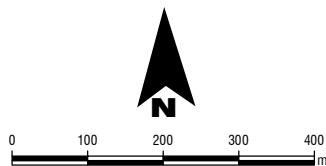
\* 38 dBA Day Criteria  
\* 38 dBA Night Criteria

Notes:  
W03 – Noise barriers in place to shield residences located to the south-east of the site

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**Northern Expansion of the Camden Gas Project**

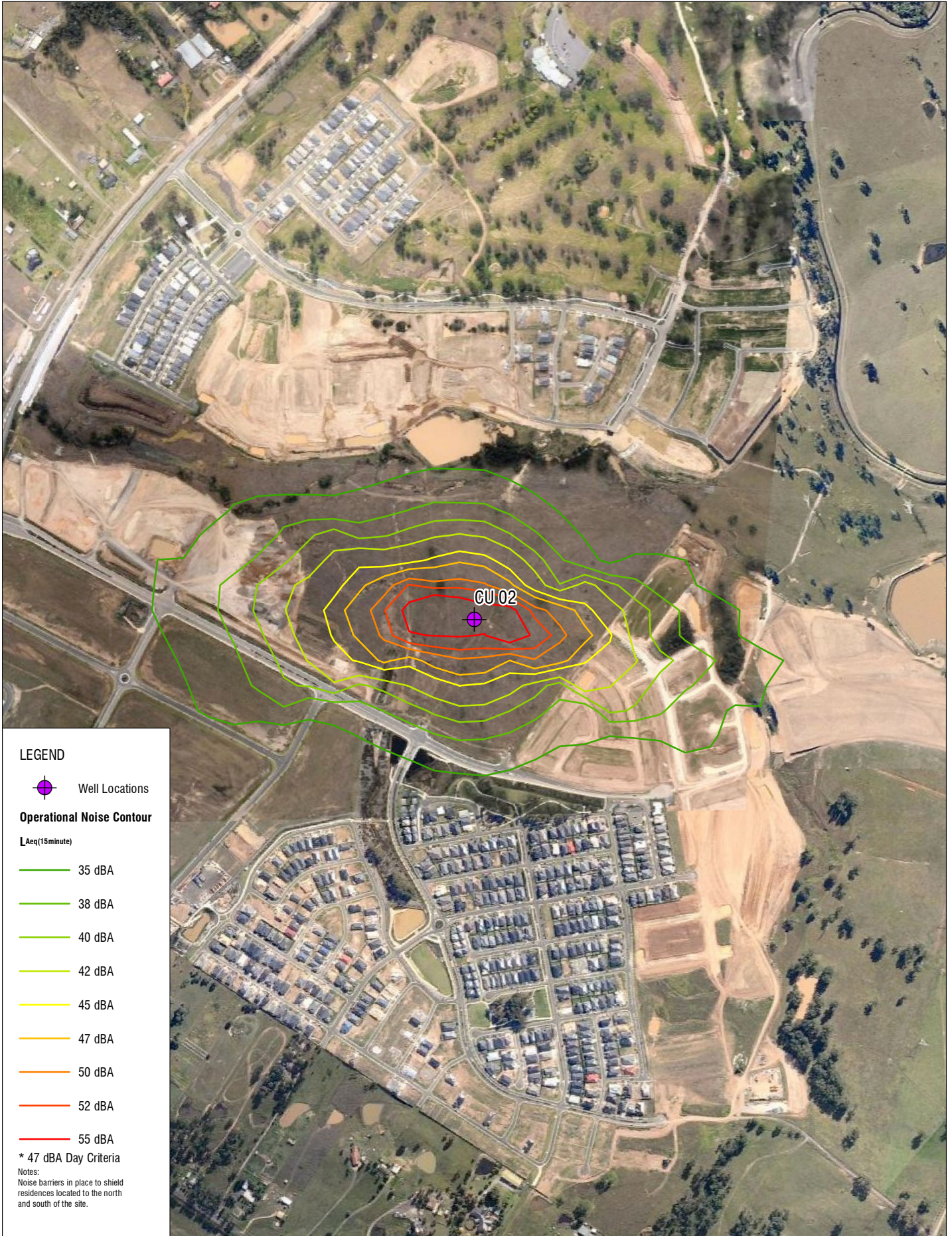
**Operational Noise Contours -  
Pump Assisted including Noise Walls -  
Night-time, Inversion**

FIGURE 1 - 5



**Appendix B3      Worst-Case Noise Impact Contours- Operations during Workover Activities**

G:\Drafting\630.02131\Figures\ArcGIS\LR\_630\_02131\_003\_Operational\_Pump Assisted inc Workover\_02.mxd



**LEGEND**

Well Locations

**Operational Noise Contour**  
 $L_{Aeq}(15\text{minute})$

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 47 dBA
- 50 dBA
- 52 dBA
- 55 dBA

\* 47 dBA Day Criteria

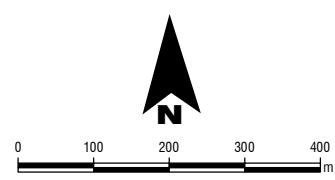
Notes:  
 Noise barriers in place to shield residences located to the north and south of the site.

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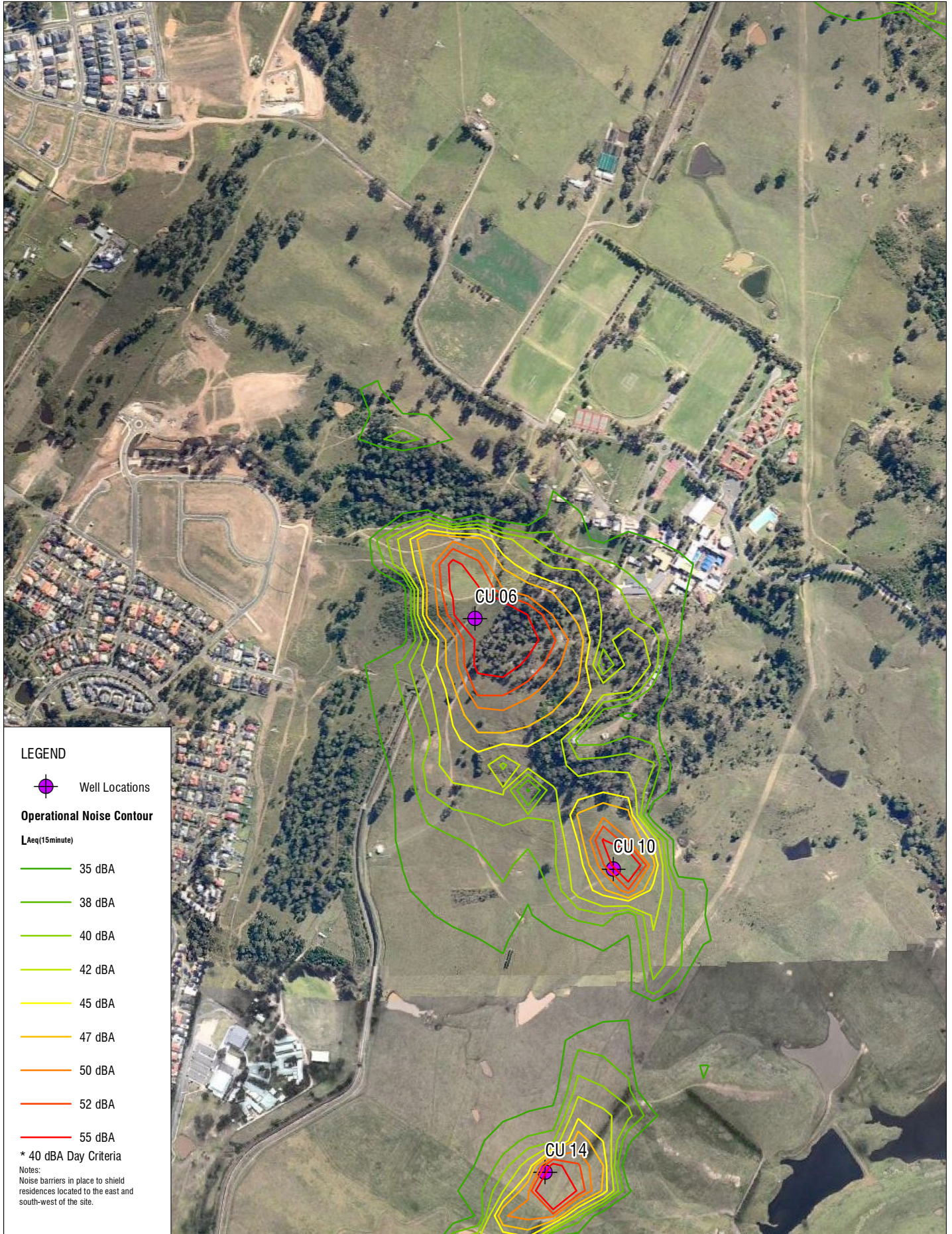


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**Northern Expansion of the Camden Gas Project**

**Operational, Pump Assisted inc Workover at CU 02**  
**Noise Barrier Daytime - Calm**

FIGURE 3 - 1



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**LEGEND**

Well Locations

**Operational Noise Contour**

*L*<sub>Aeq</sub>(15minute)

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 47 dBA
- 50 dBA
- 52 dBA
- 55 dBA

\* 40 dBA Day Criteria

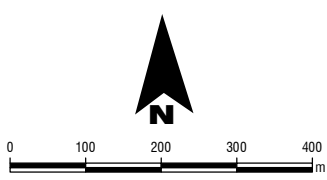
Notes:  
Noise barriers in place to shield residences located to the east and south-west of the site.



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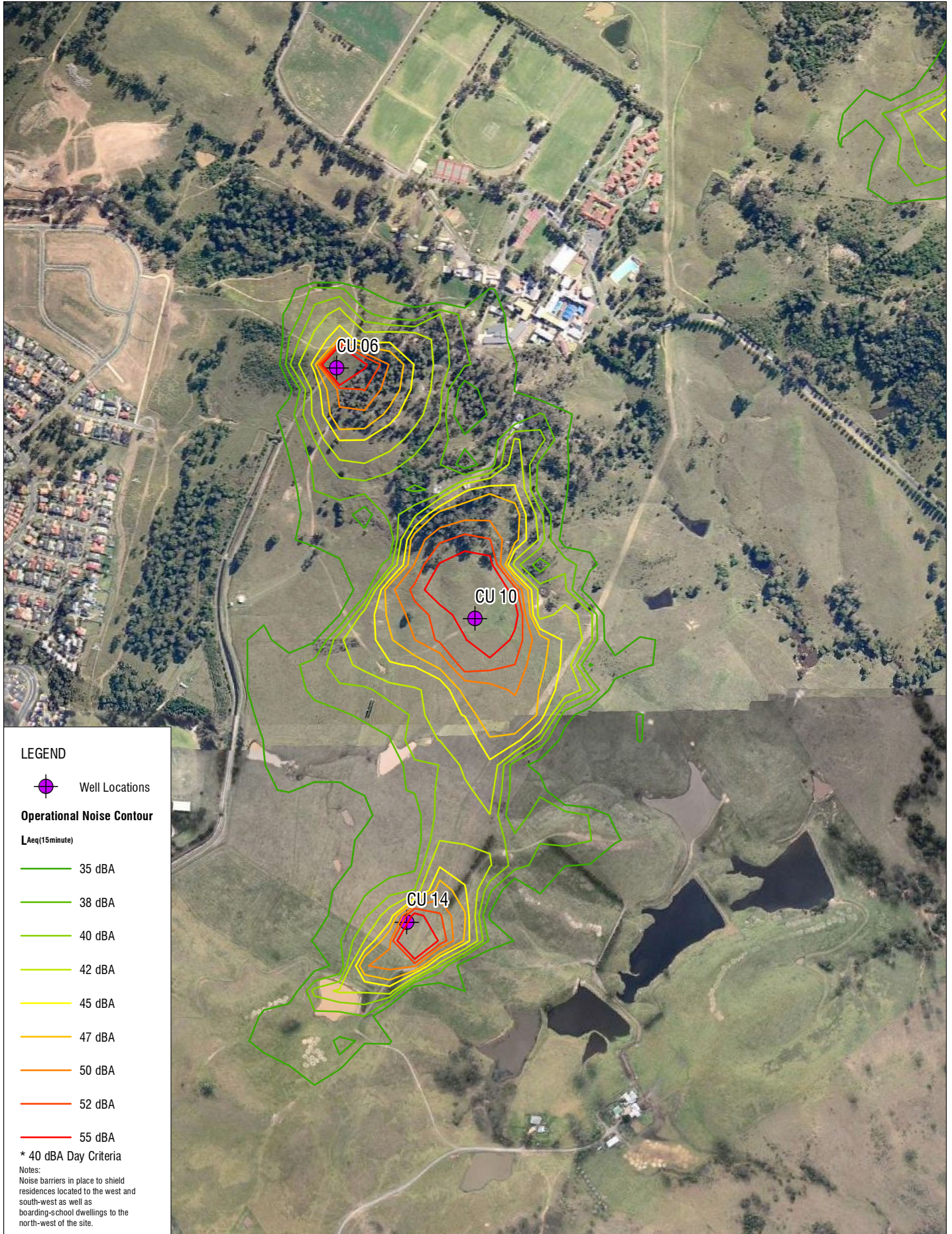
**Northern Expansion of the Camden Gas Project**

**Operational, Pump Assisted inc Workover at CU 06**

**Noise Barrier Daytime - Calm**

---

FIGURE 3 - 2



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**LEGEND**

Well Locations

**Operational Noise Contour**

**L<sub>Aeq</sub>(15minute)**

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 47 dBA
- 50 dBA
- 52 dBA
- 55 dBA

\* 40 dBA Day Criteria

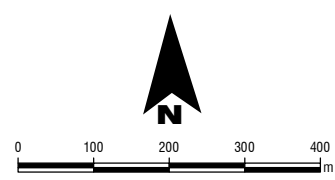
Notes:  
Noise barriers in place to shield residences located to the west and south-west as well as boarding-school dwellings to the north-west of the site.



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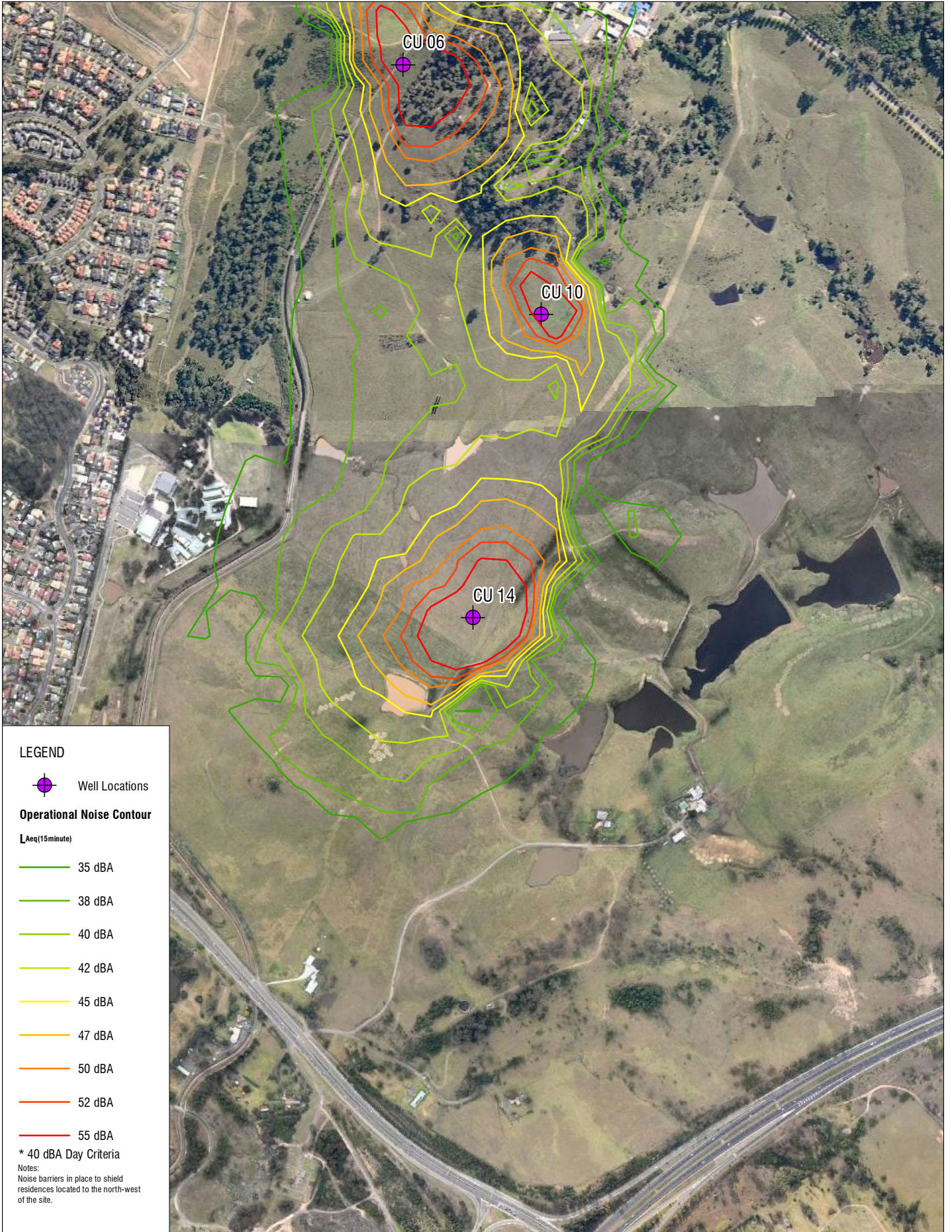
**Northern Expansion of the Camden Gas Project**

**Operational, Pump Assisted inc Workover at CU 10**


**Noise Barrier Daytime - Calm**

FIGURE 3 - 3










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**LEGEND**

 Well Locations

**Operational Noise Contour**  
**L<sub>Aeq</sub>(15minute)**

-  35 dBA
-  38 dBA
-  40 dBA
-  42 dBA
-  45 dBA
-  47 dBA
-  50 dBA
-  52 dBA
-  55 dBA

\* 40 dBA Day Criteria

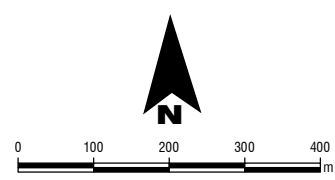
Notes:  
 Noise barriers in place to shield residences located to the north-west of the site.

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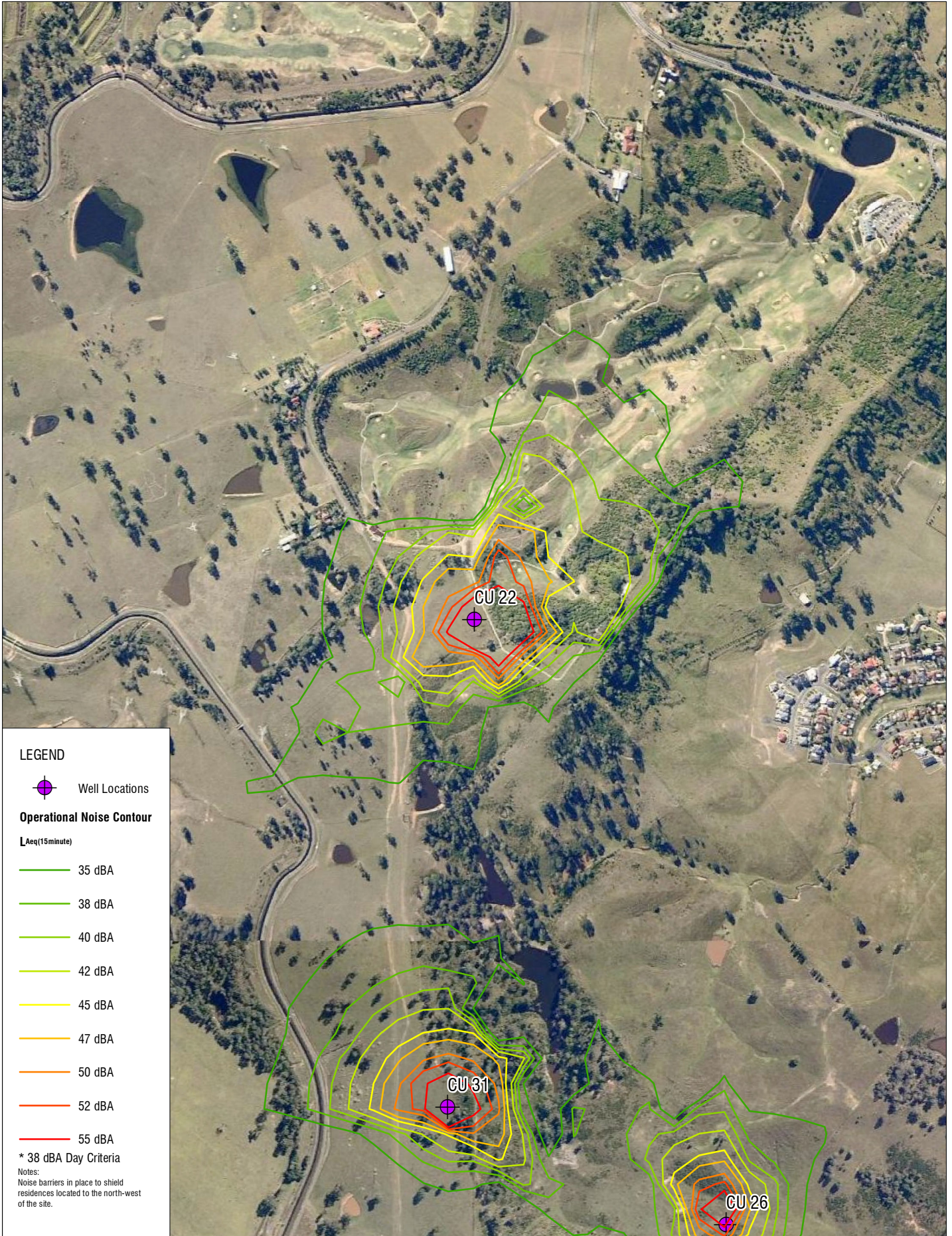
**Operational, Pump Assisted inc Workover at CU 14**

**Noise Barrier Daytime - Calm**

FIGURE 3 - 4



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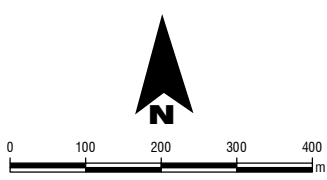


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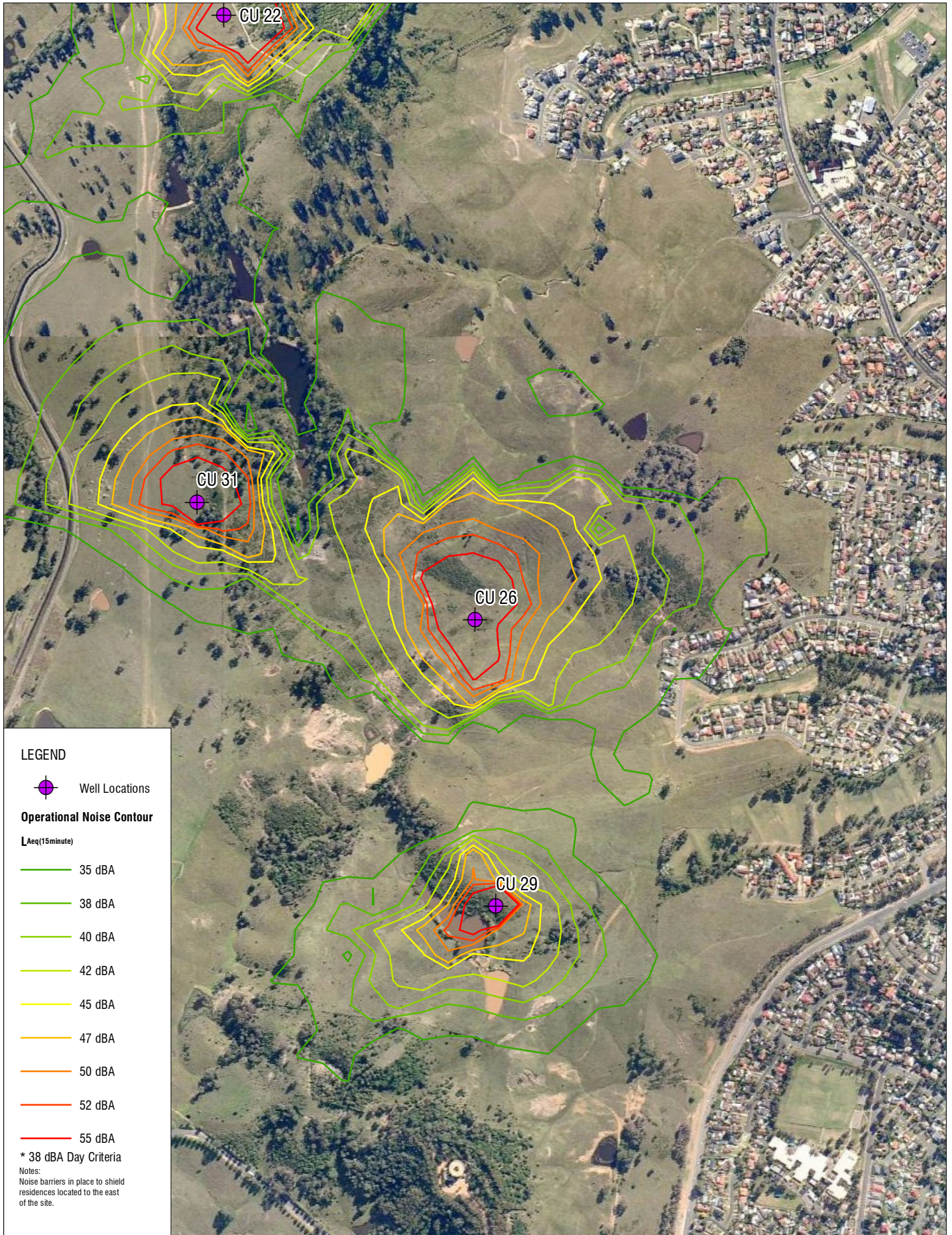
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**Northern Expansion of the Camden Gas Project**

**Operational, Pump Assisted inc Workover at CU 22**

**Noise Barrier Daytime - Calm**

FIGURE 3 - 5



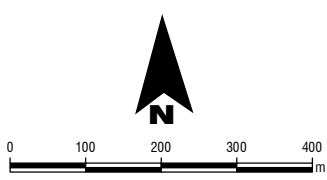
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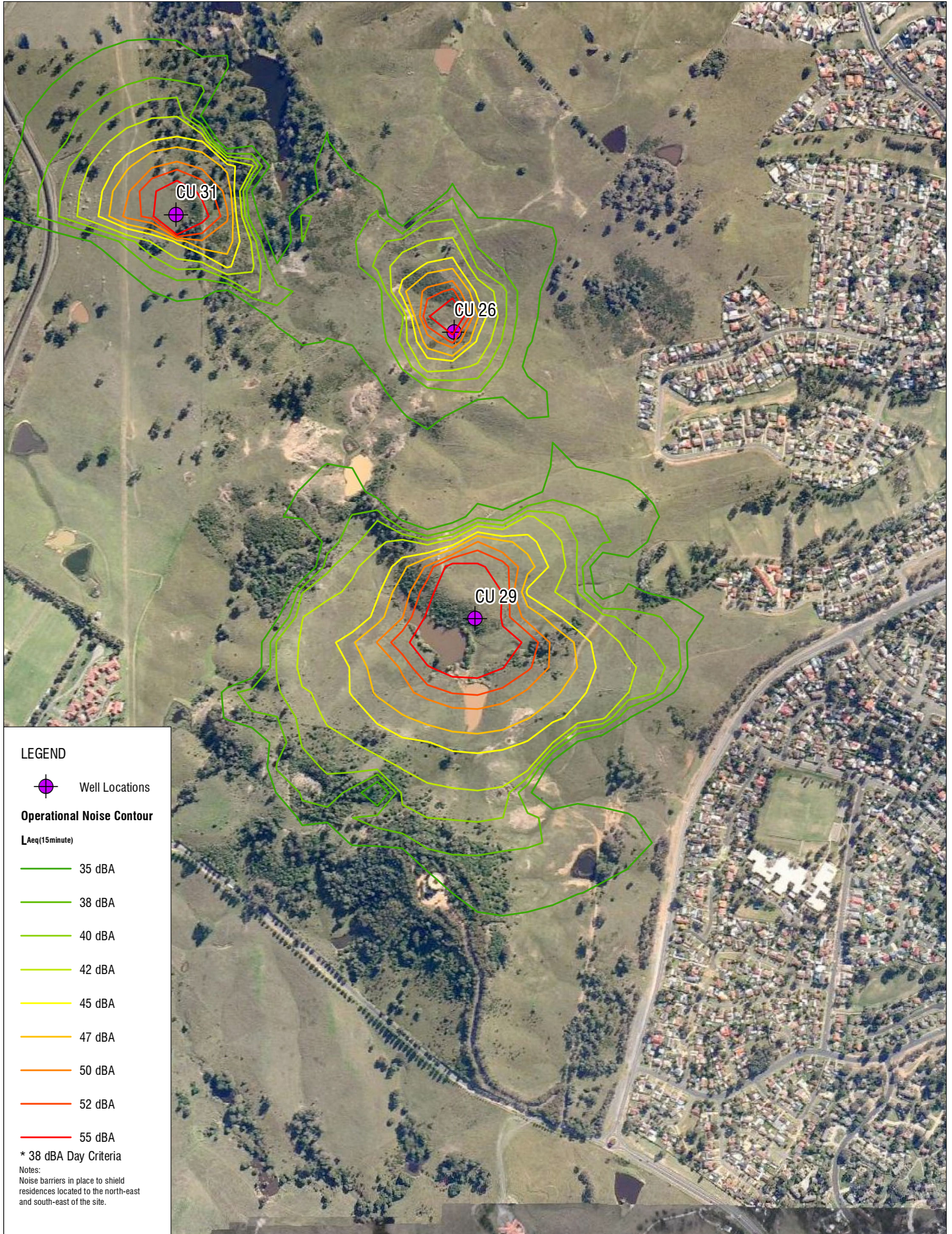
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**Northern Expansion of the Camden Gas Project**

**Operational, Pump Assisted inc Workover at CU 26**

**Noise Barrier Daytime - Calm**

FIGURE 3 - 6



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**LEGEND**

Well Locations

**Operational Noise Contour**

**L<sub>Aeq</sub>(15minute)**

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 47 dBA
- 50 dBA
- 52 dBA
- 55 dBA

\* 38 dBA Day Criteria

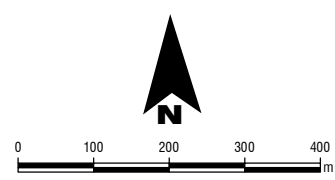
Notes:  
Noise barriers in place to shield residences located to the north-east and south-east of the site.

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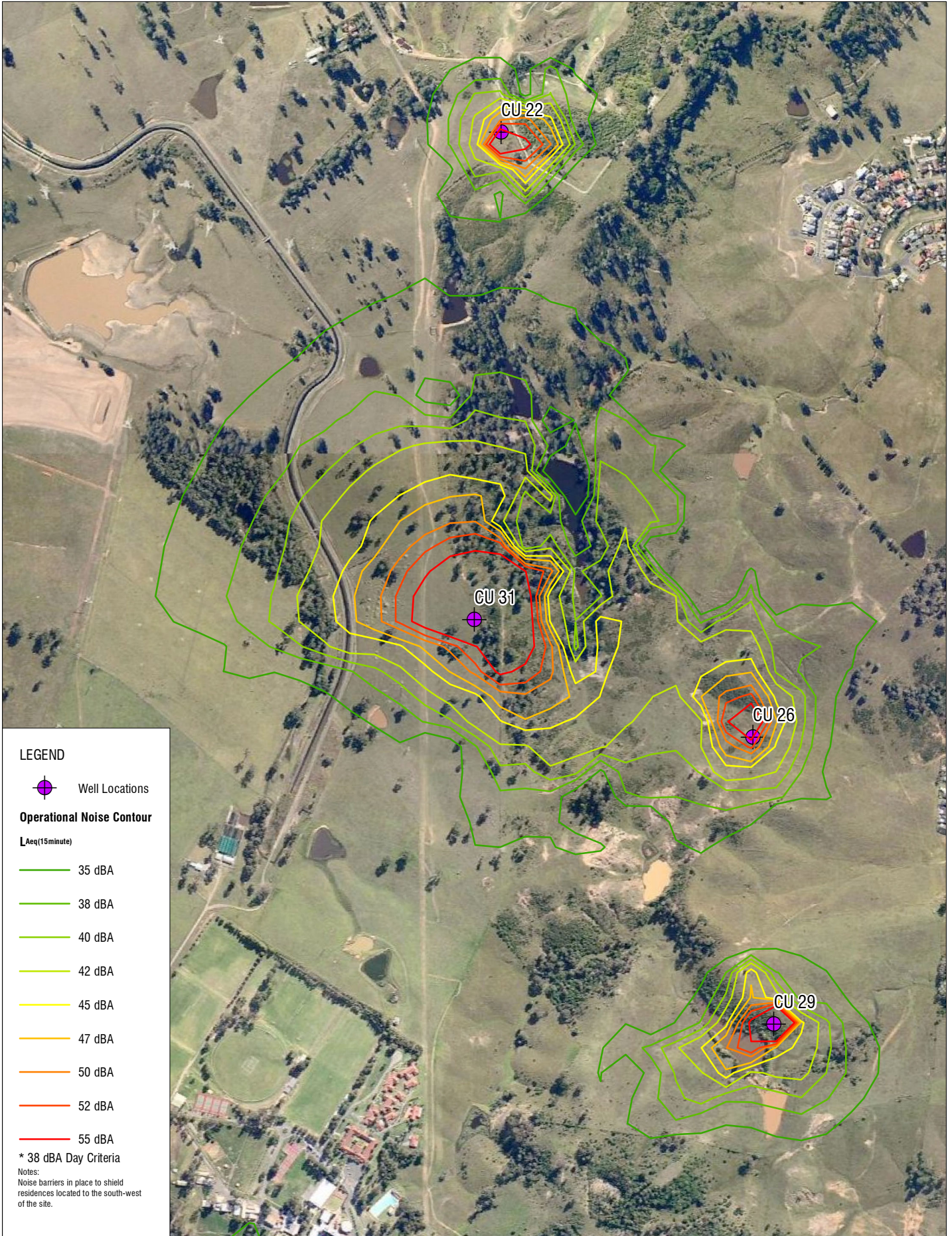
**Northern Expansion of the Camden Gas Project**

**Operational, Pump Assisted inc Workover at CU 29**

**Noise Barrier Daytime - Calm**

**FIGURE 3 - 7**

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**LEGEND**

Well Locations

**Operational Noise Contour**

**L<sub>Aeq</sub>(15minute)**

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 47 dBA
- 50 dBA
- 52 dBA
- 55 dBA

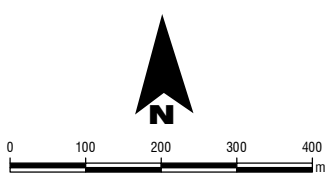
\* 38 dBA Day Criteria

Notes:  
Noise barriers in place to shield residences located to the south-west of the site.

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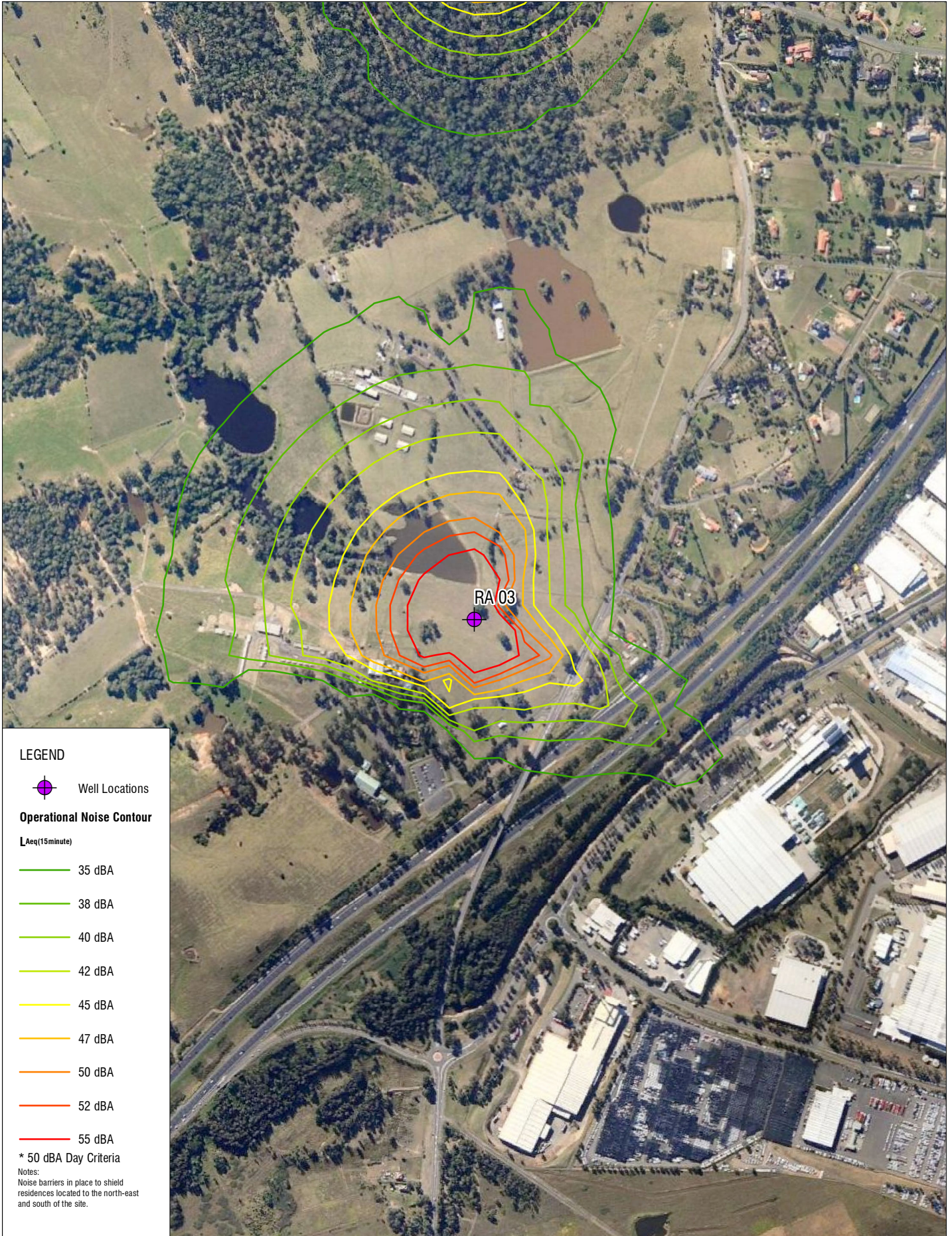
**Northern Expansion of the Camden Gas Project**

**Operational, Pump Assisted inc Workover at CU 31**

**Noise Barrier Daytime - Calm**

FIGURE 3 - 8

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**LEGEND**

Well Locations

**Operational Noise Contour**

**L<sub>Aeq</sub>(15minute)**

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 47 dBA
- 50 dBA
- 52 dBA
- 55 dBA

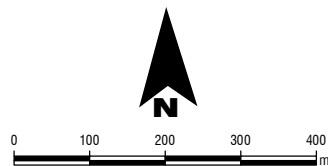
\* 50 dBA Day Criteria

Notes:  
Noise barriers in place to shield residences located to the north-east and south of the site.

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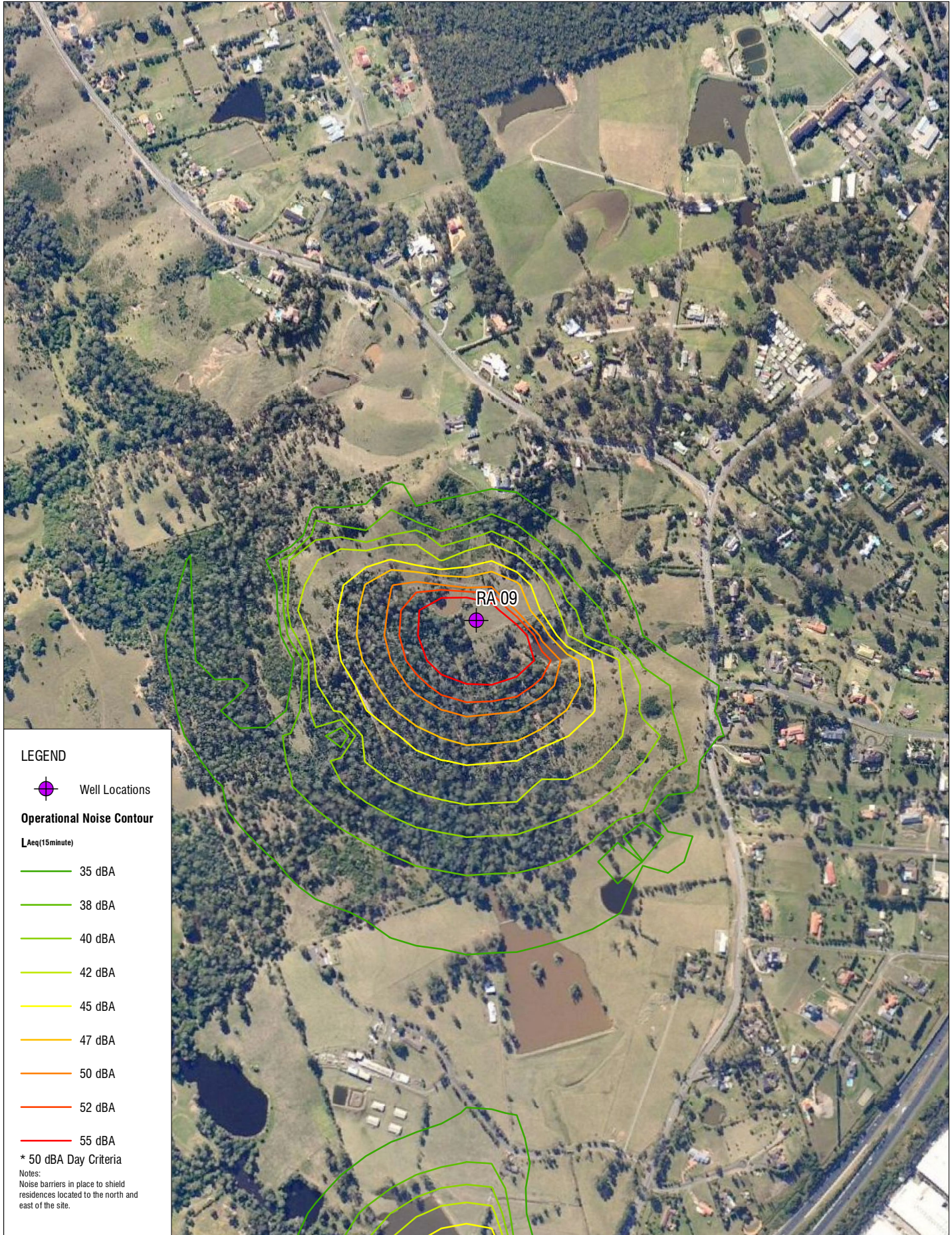
**Operational, Pump Assisted inc Workover at RA 03**

**Noise Barrier Daytime - Calm**

---

FIGURE 3 - 9

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**LEGEND**

Well Locations

**Operational Noise Contour**

**L<sub>Aeq</sub>(15minute)**

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 47 dBA
- 50 dBA
- 52 dBA
- 55 dBA

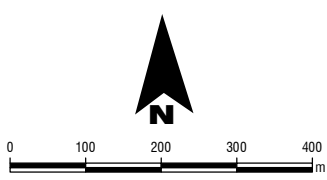
\* 50 dBA Day Criteria

Notes:  
Noise barriers in place to shield residences located to the north and east of the site.

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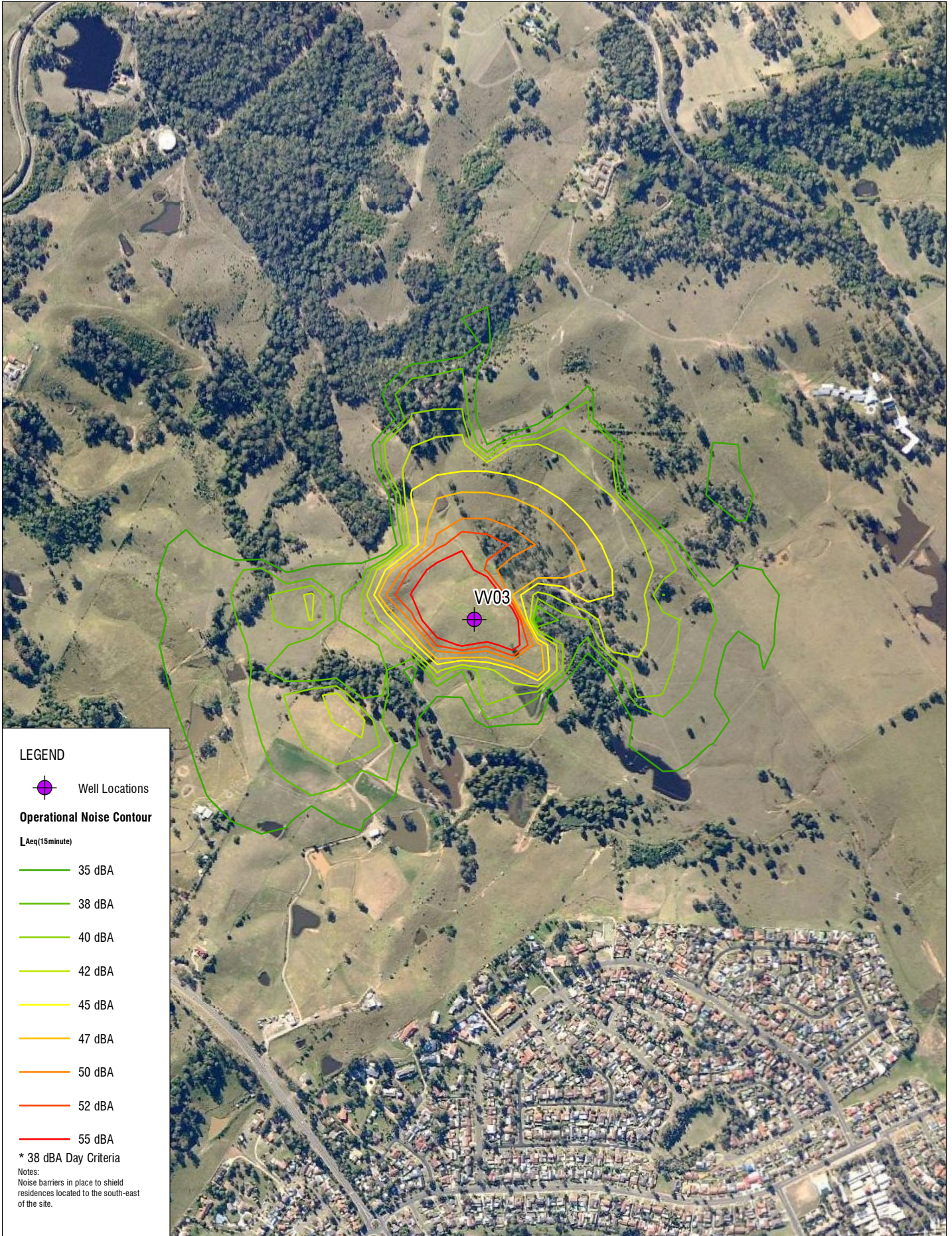
**Northern Expansion of the Camden Gas Project**

**Operational, Pump Assisted inc Workover at RA 09**

**Noise Barrier Daytime - Calm**

FIGURE 3 - 10

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**LEGEND**

Well Locations

**Operational Noise Contour**

**L<sub>Aeq</sub>(15minute)**

- 35 dBA
- 38 dBA
- 40 dBA
- 42 dBA
- 45 dBA
- 47 dBA
- 50 dBA
- 52 dBA
- 55 dBA

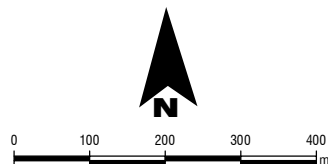
\* 38 dBA Day Criteria

Notes:  
Noise barriers in place to shield residences located to the south-east of the site.

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AGL Gas Production (Camden) Pty Ltd

**Northern Expansion of the Camden Gas Project**

**Operational, Pump Assisted inc Workover at VV03**

**Noise Barrier Daytime - Calm**

FIGURE 3 - 11