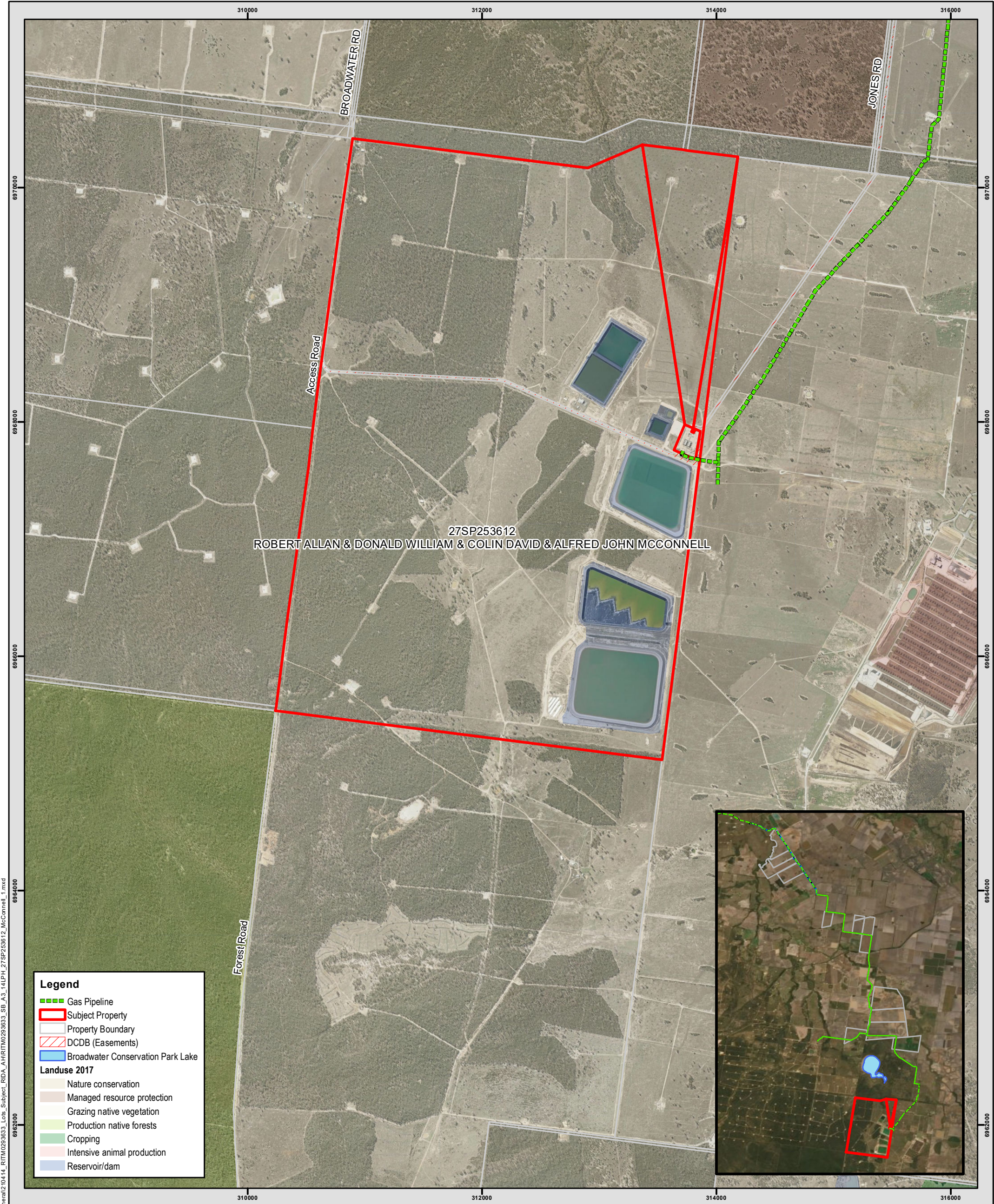


Appendix 2: Land Parcel Details

I

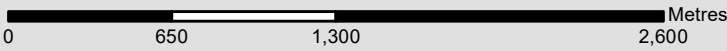


LPH - RIDA Application

Lotplan 27SP253612

Source: Arrow Energy Pty Ltd
Geoscience Australia
DNRME

Date: 20/04/2021
Issued To: A Hall
Author: jluka



Scale 1:30,000 @ A3
Coordinate System: GDA 1994 MGA Zone 56



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NOT FOR CONSTRUCTION

Parcel: 27SP253612

Property Details

- Property is designated as cattle grazing land
- This parcel is presently utilised for Arrow resource activities (gas wells, gas processing facility, water management and associated supporting infrastructure.
- Land use surrounding the site includes the Lake Broadwater Conservation Park and Lake Broadwater Resource Reserve to the north, cattle feedlot and cropping to the east, native vegetation and coal seam gas development to the south and west, and the Kumbarilla State Forest to the south west.
- As outlined in Section 4, while the parcel is mapped as PAA, no PALU has occurred in the last 10 years.

Alignment Summary

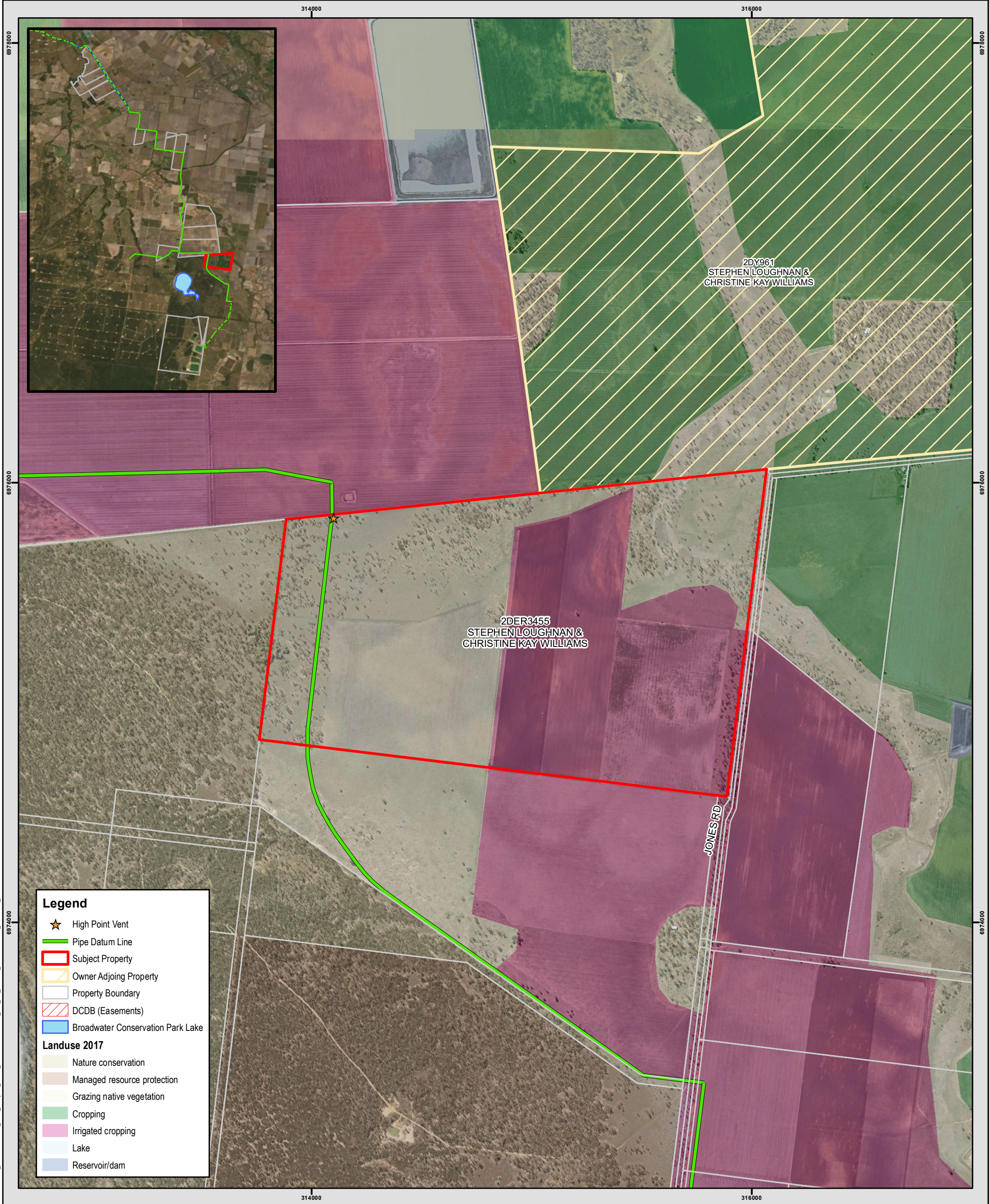
- The LPH extends less than 200 m into the land parcel and is located adjacent existing infrastructure.
- The alignment is located between the Tipton Central Gas Processing Facility (to the north) and water storage infrastructure (to the south) and will connect to existing infrastructure on the property.



Alignment heading west from the dam to the Tipton CGPF

Infrastructure summary

- The LPH extends 149 m into this parcel.
- LPH buried infrastructure on this property will consist of two pipelines and fibre optic cable.
- No surface infrastructure is proposed.



LPH - RIDA Application

Lotplan 2DER3455

Source: Arrow Energy Pty Ltd
Geoscience Australia
DNRME

Date: 20/04/2021
Issued To: A Hall
Author: jluka



Scale 1:16,000 @ A3
Coordinate System: GDA 1994 MGA Zone 56



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NOT FOR CONSTRUCTION

Parcel: 2DER3455

Property Details

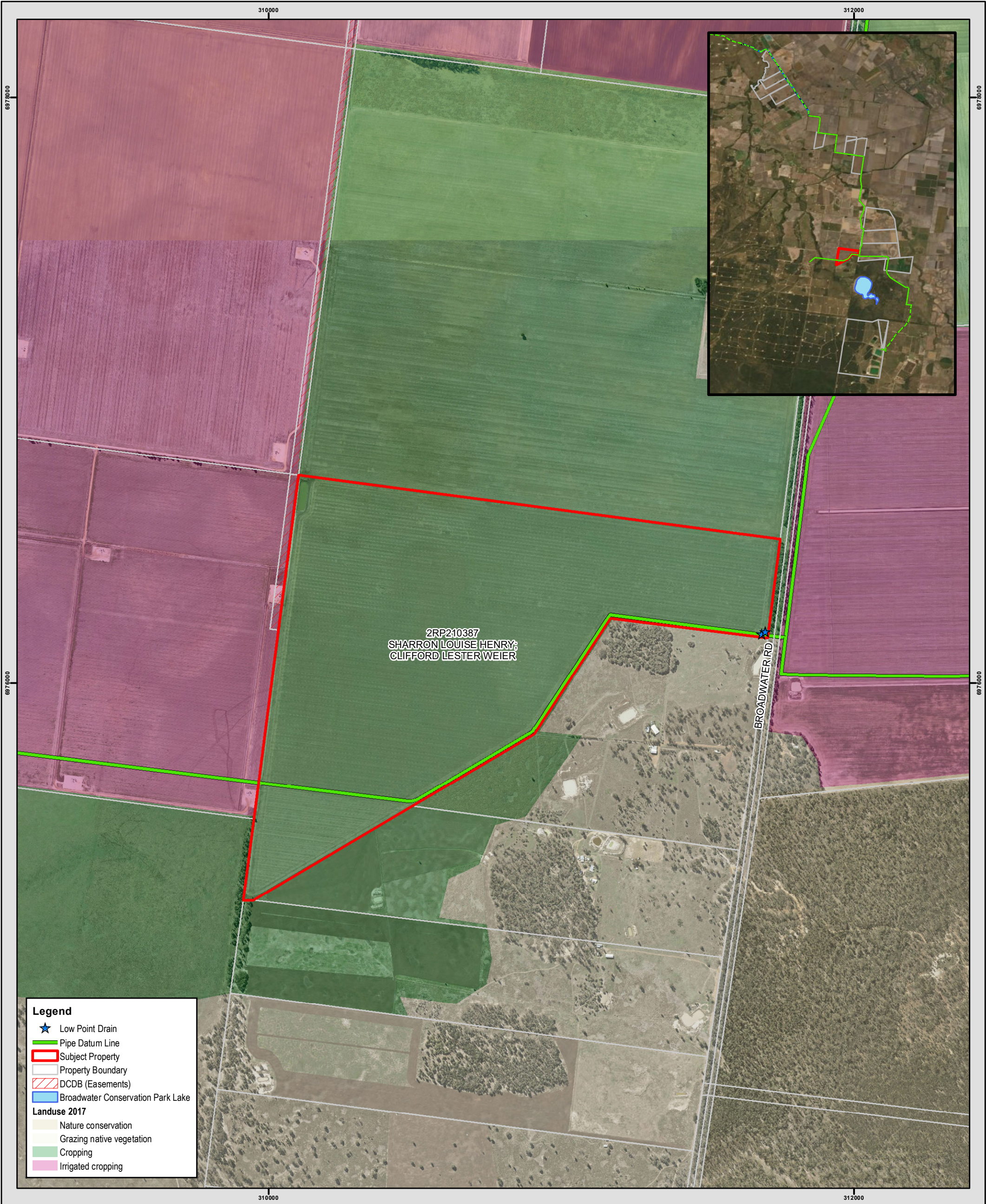
- Portions of this parcel has been and is presently utilised for dryland cereals and forage crops for cattle.
- The proposed area of disturbance for the LPH is close to the western boundary, which has no evidence of recent cropping.
- The land parcel forms part of a property, which includes 2DY961 (to the north – refer to the Figure).
- Surrounding land use includes the Lake Broadwater Conservation Reserve (immediately adjacent to the west), Lake Broadwater Resource reserve and native vegetation to the south and cropping to the north, east and south.

Alignment Summary

- The alignment has been placed to avoid previously cropped areas (to the east of the ROW), while also providing a buffer between the Lake Broadwater Conservation Park (on adjoining parcel to the west) and the ROW.
- The alignment is located adjacent and parallel to an area utilised for forage cropping for cattle and no additional area of impact outside of the ROW is expected.
- The proposed alignment will not impede access to or continued use areas of the property utilised for PALU.
- Crossing points will be installed along the alignment to allow the land holder to continue to drive vehicles and move stock across the alignment as necessary.

Infrastructure summary

- The length of LPH on this parcel is 1,056 m.
- LPH buried infrastructure on this property will consist of two pipelines and fibre optic cable.
- Surface infrastructure will include one high point vent.



Legend

Low Point Drain

Pipe Datum Line

Subject Property

Property Boundary

DCDB (Easements)

Broadwater Conservation Park Lake

Landuse 2017

Nature conservation

Grazing native vegetation

Cropping

Irrigated cropping

LPH - RIDA Application

Lotplan 2RP210387

Source: Arrow Energy Pty Ltd
Geoscience Australia
DNRME

Date: 20/04/2021
Issued To: A Hall
Author: jluka



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Coordinate System: GDA 1994 MGA Zone 56



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NOT FOR CONSTRUCTION

Parcel: 2RP210387

Property Details

- This parcel is utilised for cropping dryland cereals and pulses. A farm access track is located on the perimeter of the cropped area.
- Surrounding land use to the north is generally cropping, while to the south is native vegetation/grazing.
- CSG production wells and associated infrastructure are located to the west.

Alignment Summary

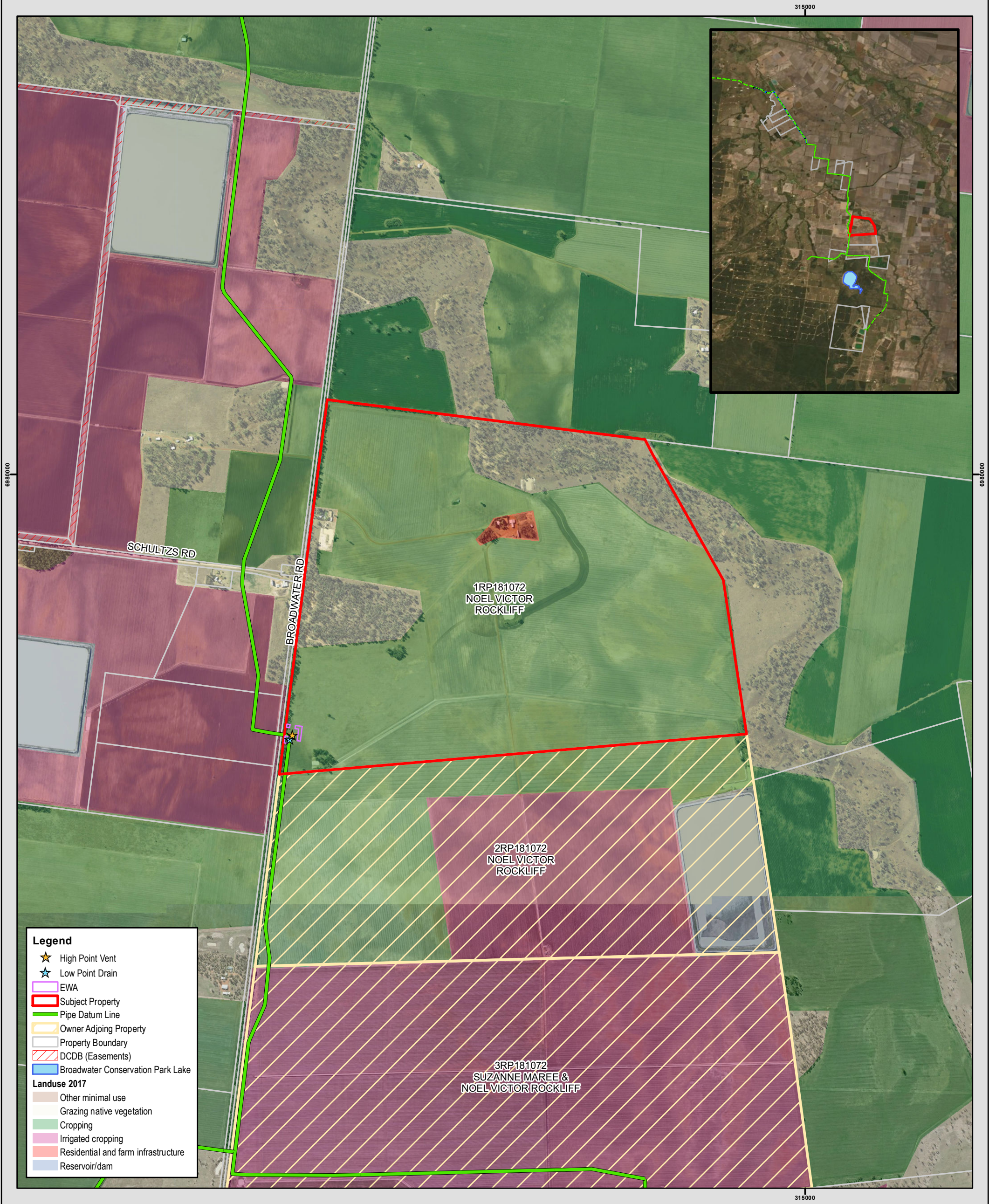
- The majority of the alignment has been located on the southern boundary of the property and will utilise the existing farm access track as well as part of the cropped area.
- The alignment does cross through cropped area in the southern portion of the parcel, where the alignment heads west onto 130DY762, to the north of existing gas wells.
- Extra work area will be required to facilitate construction of the Broadwater Road crossing.
- The alignment needs to pass through cropped area rather than following property boundary to select the shortest length and therefore have less overall impact on the cropping land. The alignment also reduces the need to remove vegetation on the neighbouring property and takes advantage of placing the alignment with the neighbouring QGC property.
- Cropping will be able to re-start following the construction period of the LPH. There will be some impacts immediately outside of the disturbance area for a temporary period which will reduce efficiencies.



From Broadwater Road, looking west along alignment

Infrastructure summary

- The length of LPH on this parcel is 1,497 m.
- LPH buried infrastructure on this parcel will consist of two pipelines and fibre optic cable.
- Surface infrastructure will include two low point drains located on the south eastern property boundary, immediately adjacent to Broadwater Road.



Source: Arrow Energy Pty Ltd
Geoscience Australia
DNRME

Date: 20/04/2021
Issued To: A Hall
Author: jluke

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Scale 1:20,000 @ A3
Coordinate System: GDA 1994 MGA Zone 56

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arrowenergy
go further

Lotplan 1RP181072

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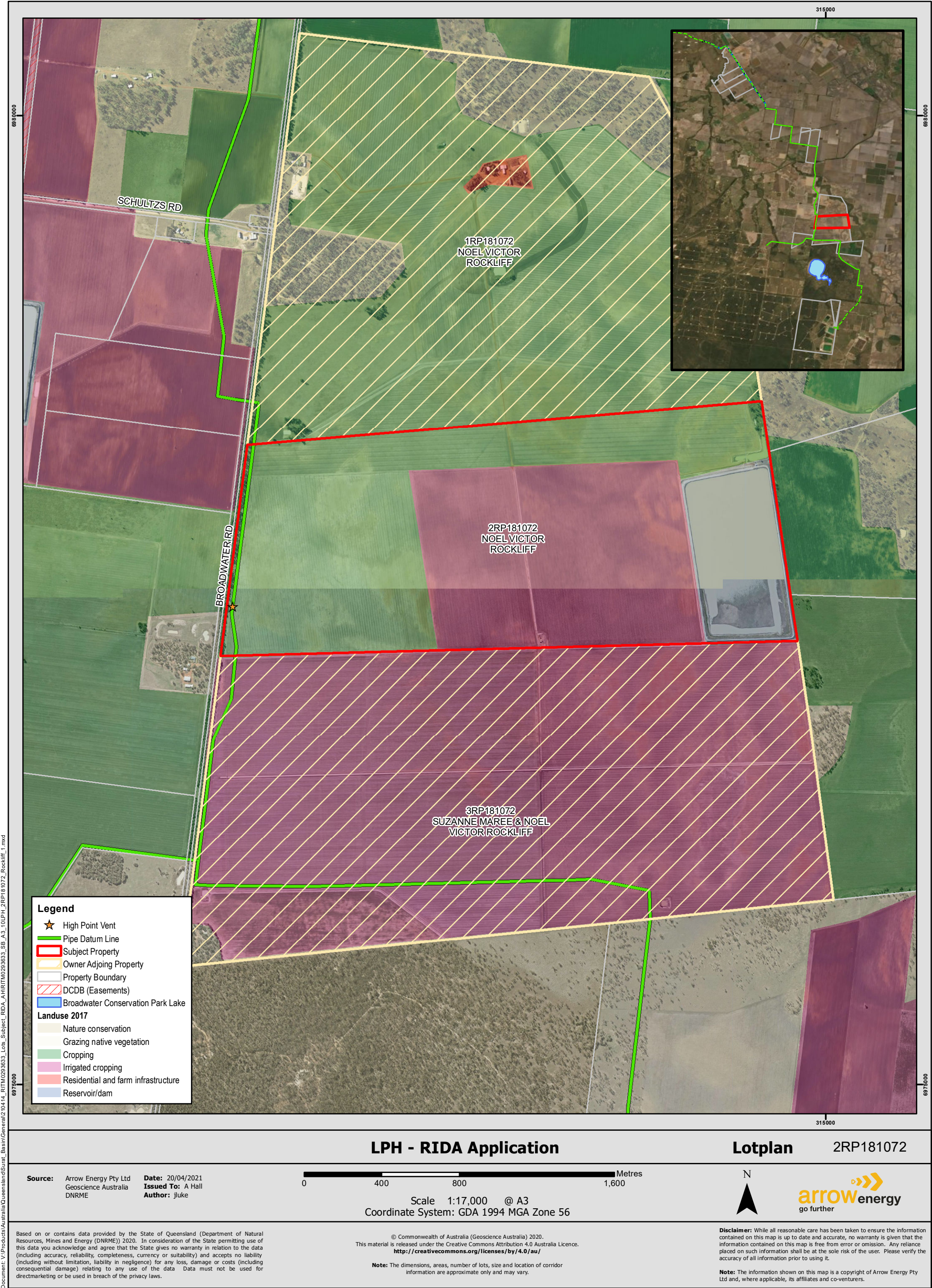
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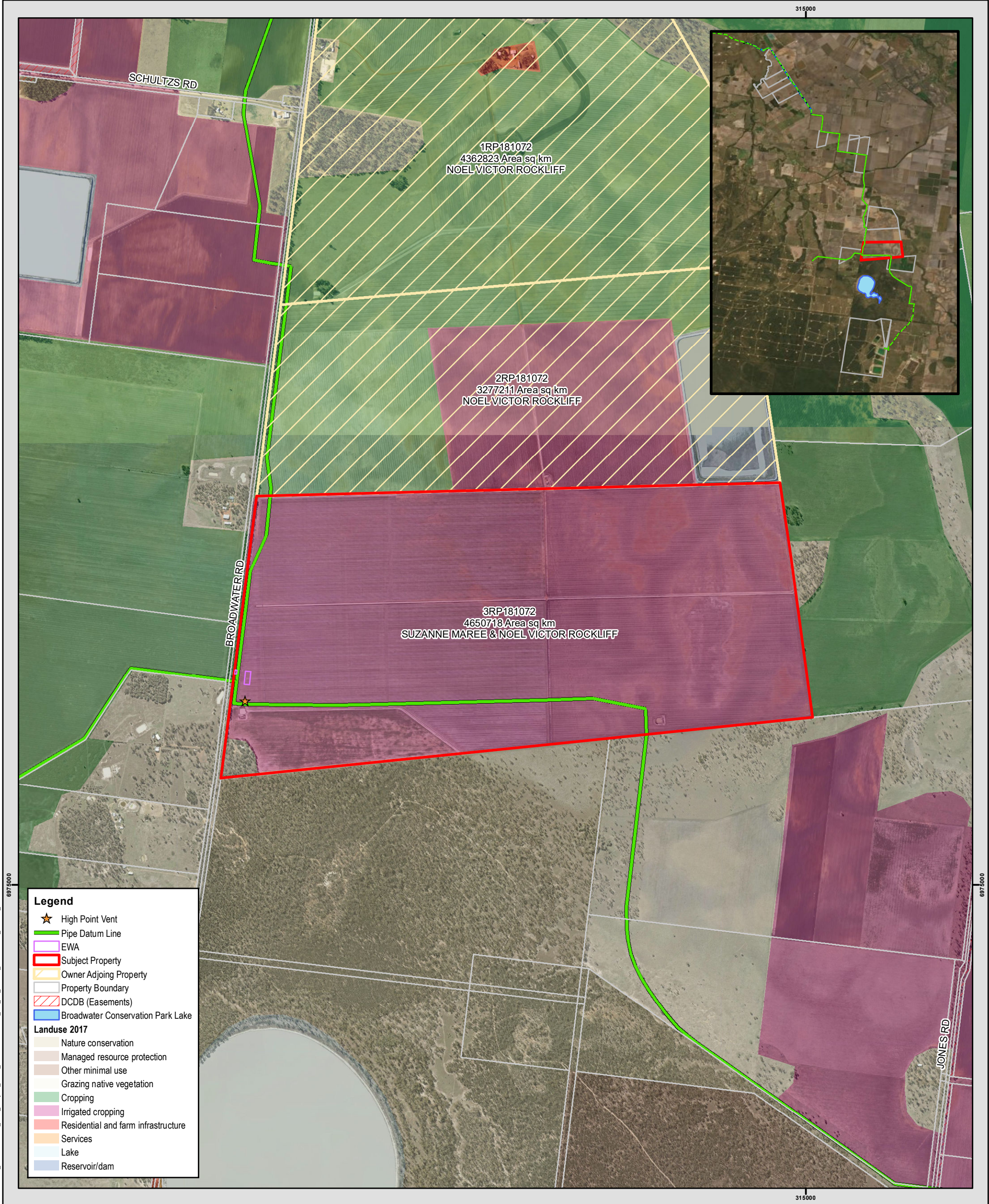
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NOT FOR CONSTRUCTION

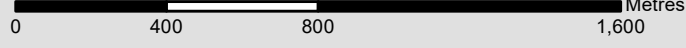


LPH - RIDA Application

Lotplan 3RP181072

Source: Arrow Energy Pty Ltd
Geoscience Australia
DNRME

Date: 20/04/2021
Issued To: A Hall
Author: jluke



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Parcels: 1RP181072, 2RP181072 and 3RP181072**Property Details**

- Land parcels 1RP181072, 2RP181072 and 3RP181072 are owned and operated by the one landholder for dryland (Lot 1) and irrigated (Lots 2 and 3) cropping of cereals and pulses.
- The LPH intersects several farm tracks and will traverse the same path as some farm drains. A head ditch will be cut and reinstated and also intersect several farm drains which will also be reinstated following construction.
- Surrounding land use includes both dryland and irrigated cropping, with patches of remnant vegetation. Lake Broadwater Conservation Park is located to the south.

Alignment Summary

- The southern portion of the alignment on 3RP181072 has been located to maintain a buffer between the Lake Broadwater Conservation Park and the ROW. As far as possible, the alignment has been located on the boundary of separately cropped areas.
- In conjunction with the landholder, Arrow has located the alignment along property boundaries as much as possible whilst also ensuring compliance with the relevant EA by avoiding the Category A ESA Conservation Park and also complying with engineering specifications, specifically radiation contour which required a move of the alignment further into the paddock to ensure an adequate buffer between the LPH and a dwelling.
- The alignment then generally follows the western boundary of the land parcels, diverting away from the boundary to ensure that a 200 m buffer is maintained between the ROW and the private residence located on the western side of Broadwater Road.
- Additional workspace is required to enable the construction of the lateral crossing of Broadwater Road.
- Cropping will be able to re-start following the construction period of the LPH. There will be some impacts immediately outside of the disturbance area for a temporary period which will reduce efficiencies.



From Broadwater Road looking north along alignment on Lot 3 RP181072

Infrastructure summary

- The length of LPH on these parcels is 5,050 m, comprising 249 m on Lot 1, 1,100 m on Lot 2 and 3,710 m on Lot 3.
- LPH buried infrastructure on these parcels will consist of pipelines (2 on Lots 1 and 3 and 3 on Lot 3) and fibre optic cable.
- Surface infrastructure will include a single high point vent on each of the three parcels and a low point drain will also be located on Lot 1.



LPH - RIDA Application

Lotplan 46DER34223

Source: Arrow Energy Pty Ltd
Geoscience Australia
DNRME

Date: 20/04/2021
Issued To: A Hall
Author: jluka



Scale 1:14,000 @ A3
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NOT FOR CONSTRUCTION

Parcel: 46DER34223

Property Details

- This property is utilised for dryland cropping of cereals and pulses, consistent with the surrounding land use.
- No on farm tracks are impacted.
- No irrigation channels are located on this property.

Alignment Summary

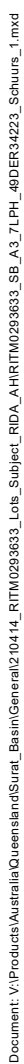
- The alignment has been located adjacent the eastern and northern boundary of the property to minimise impacts to the cropping activities.
- The property is accessed from the Moonie Highway on the southern boundary, and it is proposed that this access is utilised during construction and an access track. constructed from the access point east to the ROW to facilitate construction activities and also for ongoing operational access for light vehicle access only.
- Extra work area will be required on the southern boundary of the property to assist with the construction of the Moonie Highway crossing.



From Moonie Highway – looking north along alignment

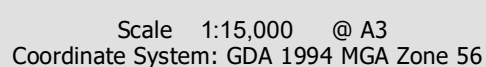
Infrastructure summary

- The length of LPH on this parcel is 2,277 m.
- LPH buried infrastructure on this parcel will consist of three pipelines, an electrical cable and fibre optic cable.
- Surface infrastructure will include two high point vents located on the northern and southern boundary.



Lotplan 49DER34223

Date: 20/04/2021
Issued To: A Hall
Author: jluka

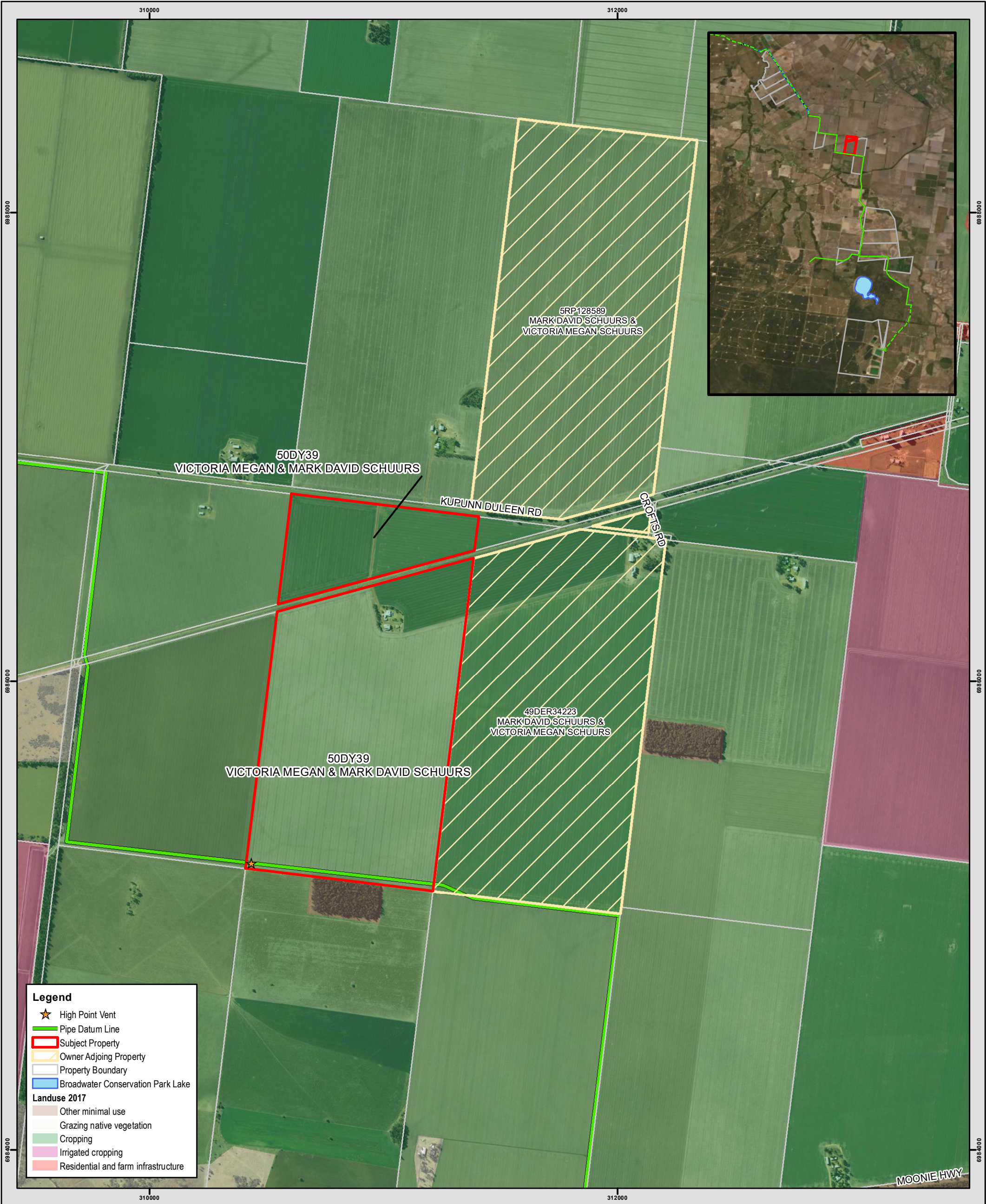


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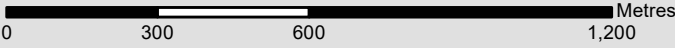


LPH - RIDA Application

Lotplan 50DY39

Source: Arrow Energy Pty Ltd
Geoscience Australia
DNRME

Date: 20/04/2021
Issued To: A Hall
Author: jluke



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NOT FOR CONSTRUCTION

Parcels: 49DER34223 and 50DY39

Property Details

- 49DER34223 and 50DY39 are owned and operated by the same owner in conjunction with 5RP128589 (adjoining north 49DER34223, but not impacted by the alignment).
- The parcels are utilised for dryland cropping of cotton, cereals and pulses.
- Land uses surrounding these parcels also involves cropping.
- A narrow track situated next to the southern boundary will be impacted temporarily during construction but will be reinstated.

Alignment Summary

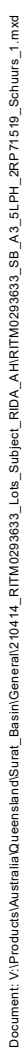
- The alignment has been located along the southern boundary of the properties (where impacted by the alignment). In consultation with the landholder the alignment was designed for future development and has been moved slightly north, to avoid a proposed irrigation channel to be constructed along the southern boundary.
- No additional area of impact outside of the ROW is expected.



Looking east along alignment

Infrastructure summary

- The length of LPH on the parcels is 921 m (115 m on 49DER34223 and 806 m on 50DY39).
- LPH buried infrastructure on these parcels will consist of three pipelines, an electrical cable (50DY39 only) and fibre optic cable.
- Surface infrastructure will include one high point vent located on 50DY39 and three high point vents on 49DER34223.



Lotplan 2RP71519

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NOT FOR CONSTRUCTION

Parcel: 2RP71519

Property Details

- This parcel is owned and operated by the same landholder as 49DER34223 & 50DY3, however the land parcel is not immediately adjacent (refer to Figure).
- The parcel is utilised for dryland cropping of cotton, cereals and pulses.
- Land uses surrounding these parcels also involves cropping.

Alignment Summary

- LPH alignment is located adjacent the northern boundary of the parcel.
- Extra work area is required to facilitate the LPH crossing of the Kupunn Duleen Road.



Looking west along northern boundary– Kupunn Duleen Road on right of image

Infrastructure summary

- The length of LPH on the parcels is 616 m.
- LPH buried infrastructure on this parcel will consist of three pipelines and fibre optic cable.
- There is no surface infrastructure planned to be constructed on this parcel.



Department of Resources
ABN 59 020 847 551

Title Reference:	12643121	Search Date:	27/04/2021 14:28
Date Title Created:	16/05/1952	Request No:	37033275
Previous Title:	12093205		

ESTATE AND LAND

Estate in Fee Simple

LOT 2 REGISTERED PLAN 71519
Local Government: WESTERN DOWNS

REGISTERED OWNER

INTEREST

Dealing No: 719041074 12/10/2018

MARK DAVID SCHUURS
VICTORIA MEGAN SCHUURS

1/2
1/2

AS TENANTS IN COMMON

EASEMENTS, ENCUMBRANCES AND INTERESTS

1. Rights and interests reserved to the Crown by
Deed of Grant No. 12093205 (POR 52)
2. MORTGAGE No 719305748 13/03/2019 at 12:20
VICTORIA MEGAN SCHUURS TRUSTEE
UNDER INSTRUMENT 719305748
INTEREST OF MARK DAVID SCHUURS

ADMINISTRATIVE ADVICES

NIL

UNREGISTERED DEALINGS

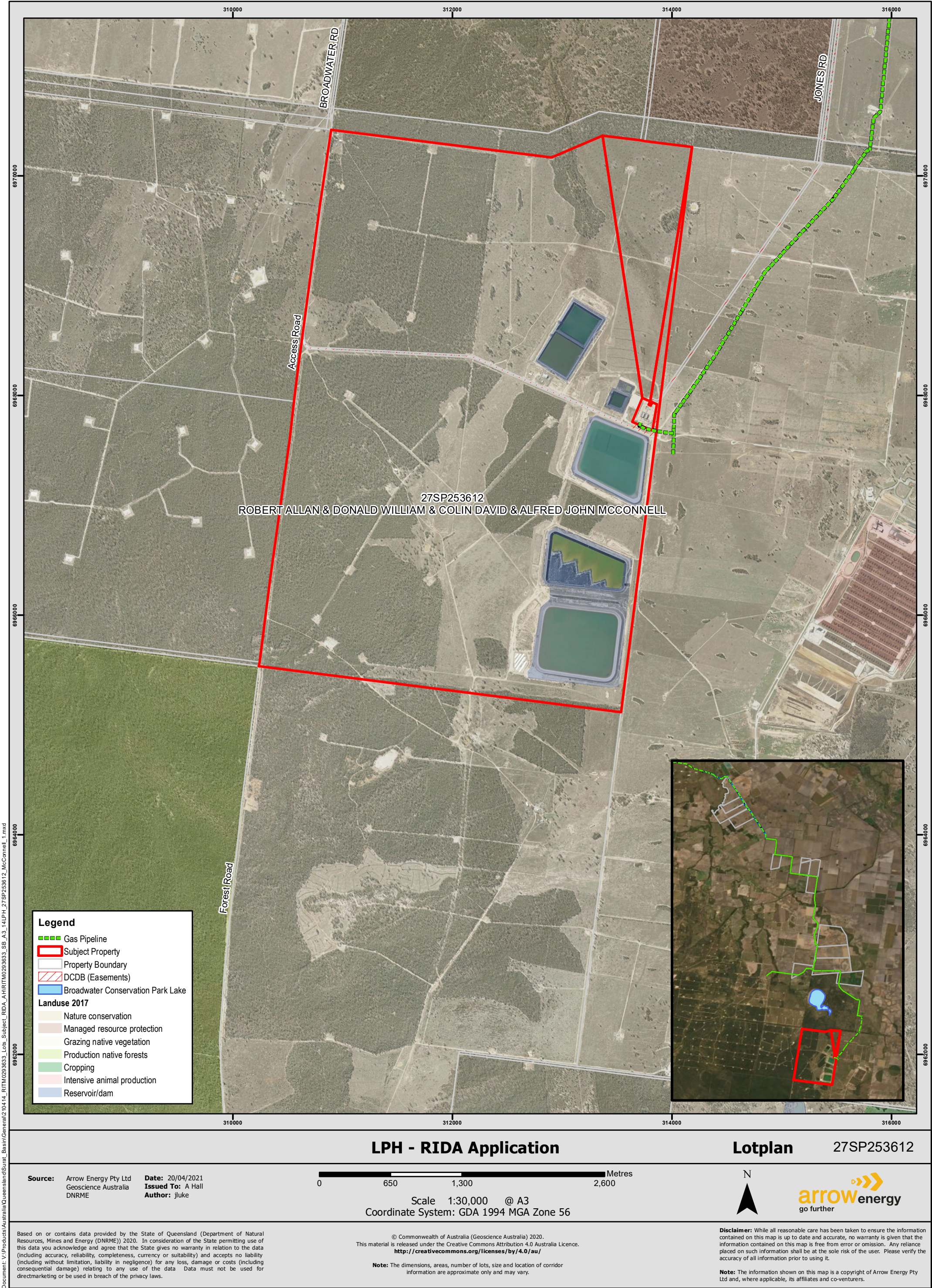
Dealing	Type	Lodgement Date	Status
720737921	MORTGAGE	21/04/2021 11:21	UNVERIFIED
720737922	PRIORITY MTG	21/04/2021 11:21	UNVERIFIED

Caution - Charges do not necessarily appear in order of priority

** End of Current Title Search **

Appendix 2: Land Parcel Details

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Document: V:\Products\Australia\Queensland\Surat_Basin\General\270414_RITM0293633_Lots_Subject_RIDA_A\HRTM0293633_SB_A3_14LPH_27SP253612_McConnell_1.mxd

LPH - RIDA Application

Lotplan 27SP253612

Source: Arrow Energy Pty Ltd
Geoscience Australia
DNRME

Date: 20/04/2021
Issued To: A Hall
Author: jluka



Scale 1:30,000 @ A3
Coordinate System: GDA 1994 MGA Zone 56



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NOT FOR CONSTRUCTION

Parcel: 27SP253612

Property Details

- Property is designated as cattle grazing land
- This parcel is presently utilised for Arrow resource activities (gas wells, gas processing facility, water management and associated supporting infrastructure.
- Land use surrounding the site includes the Lake Broadwater Conservation Park and Lake Broadwater Resource Reserve to the north, cattle feedlot and cropping to the east, native vegetation and coal seam gas development to the south and west, and the Kumbarilla State Forest to the south west.
- As outlined in Section 4, while the parcel is mapped as PAA, no PALU has occurred in the last 10 years.

Alignment Summary

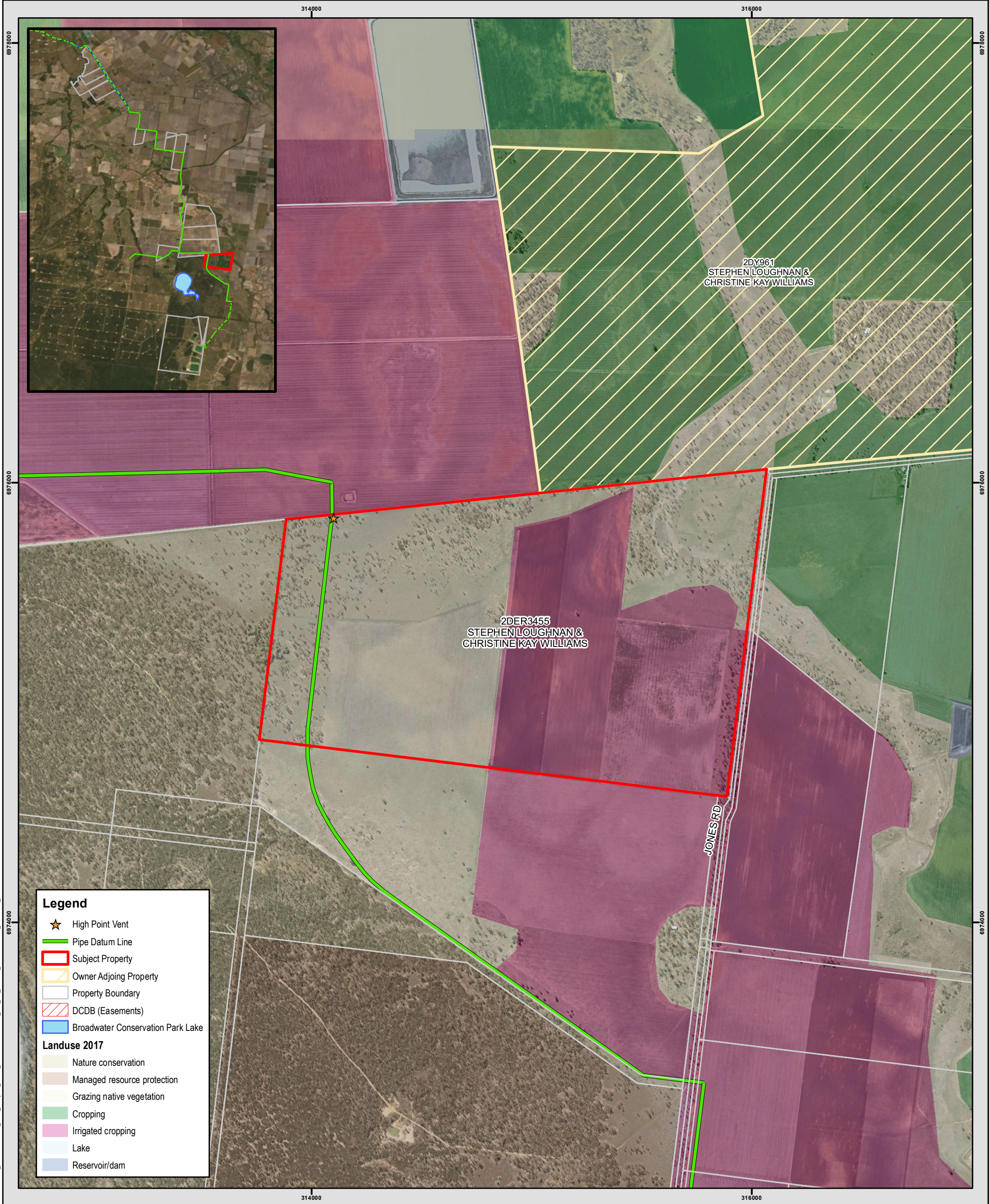
- The LPH extends less than 200 m into the land parcel and is located adjacent existing infrastructure.
- The alignment is located between the Tipton Central Gas Processing Facility (to the north) and water storage infrastructure (to the south) and will connect to existing infrastructure on the property.



Alignment heading west from the dam to the Tipton CGPF

Infrastructure summary

- The LPH extends 149 m into this parcel.
- LPH buried infrastructure on this property will consist of two pipelines and fibre optic cable.
- No surface infrastructure is proposed.



LPH - RIDA Application

Lotplan 2DER3455

Source: Arrow Energy Pty Ltd
Geoscience Australia
DNRME

Date: 20/04/2021
Issued To: A Hall
Author: jluke



Scale 1:16,000 @ A3
Coordinate System: GDA 1994 MGA Zone 56



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NOT FOR CONSTRUCTION

Parcel: 2DER3455

Property Details

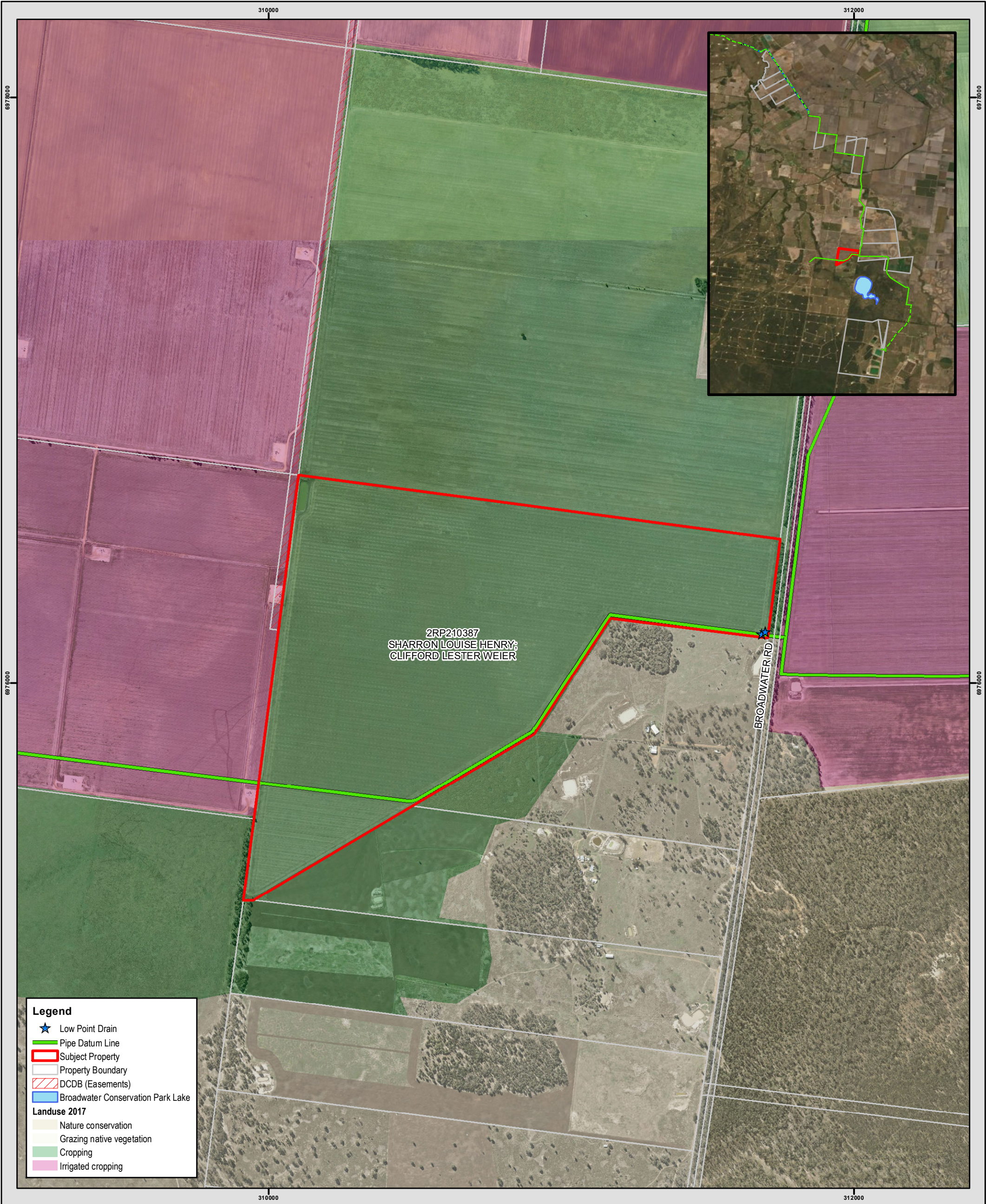
- Portions of this parcel has been and is presently utilised for dryland cereals and forage crops for cattle.
- The proposed area of disturbance for the LPH is close to the western boundary, which has no evidence of recent cropping.
- The land parcel forms part of a property, which includes 2DY961 (to the north – refer to the Figure).
- Surrounding land use includes the Lake Broadwater Conservation Reserve (immediately adjacent to the west), Lake Broadwater Resource reserve and native vegetation to the south and cropping to the north, east and south.

Alignment Summary

- The alignment has been placed to avoid previously cropped areas (to the east of the ROW), while also providing a buffer between the Lake Broadwater Conservation Park (on adjoining parcel to the west) and the ROW.
- The alignment is located adjacent and parallel to an area utilised for forage cropping for cattle and no additional area of impact outside of the ROW is expected.
- The proposed alignment will not impede access to or continued use areas of the property utilised for PALU.
- Crossing points will be installed along the alignment to allow the land holder to continue to drive vehicles and move stock across the alignment as necessary.

Infrastructure summary

- The length of LPH on this parcel is 1,056 m.
- LPH buried infrastructure on this property will consist of two pipelines and fibre optic cable.
- Surface infrastructure will include one high point vent.



Legend

Low Point Drain

Pipe Datum Line

Subject Property

Property Boundary

DCDB (Easements)

Broadwater Conservation Park Lake

Landuse 2017

Nature conservation

Grazing native vegetation

Cropping

Irrigated cropping

LPH - RIDA Application

Lotplan 2RP210387

Source: Arrow Energy Pty Ltd
Geoscience Australia
DNRME

Date: 20/04/2021
Issued To: A Hall
Author: jluka



Scale 1:12,000 @ A3
Coordinate System: GDA 1994 MGA Zone 56



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NOT FOR CONSTRUCTION

Parcel: 2RP210387

Property Details

- This parcel is utilised for cropping dryland cereals and pulses. A farm access track is located on the perimeter of the cropped area.
- Surrounding land use to the north is generally cropping, while to the south is native vegetation/grazing.
- CSG production wells and associated infrastructure are located to the west.

Alignment Summary

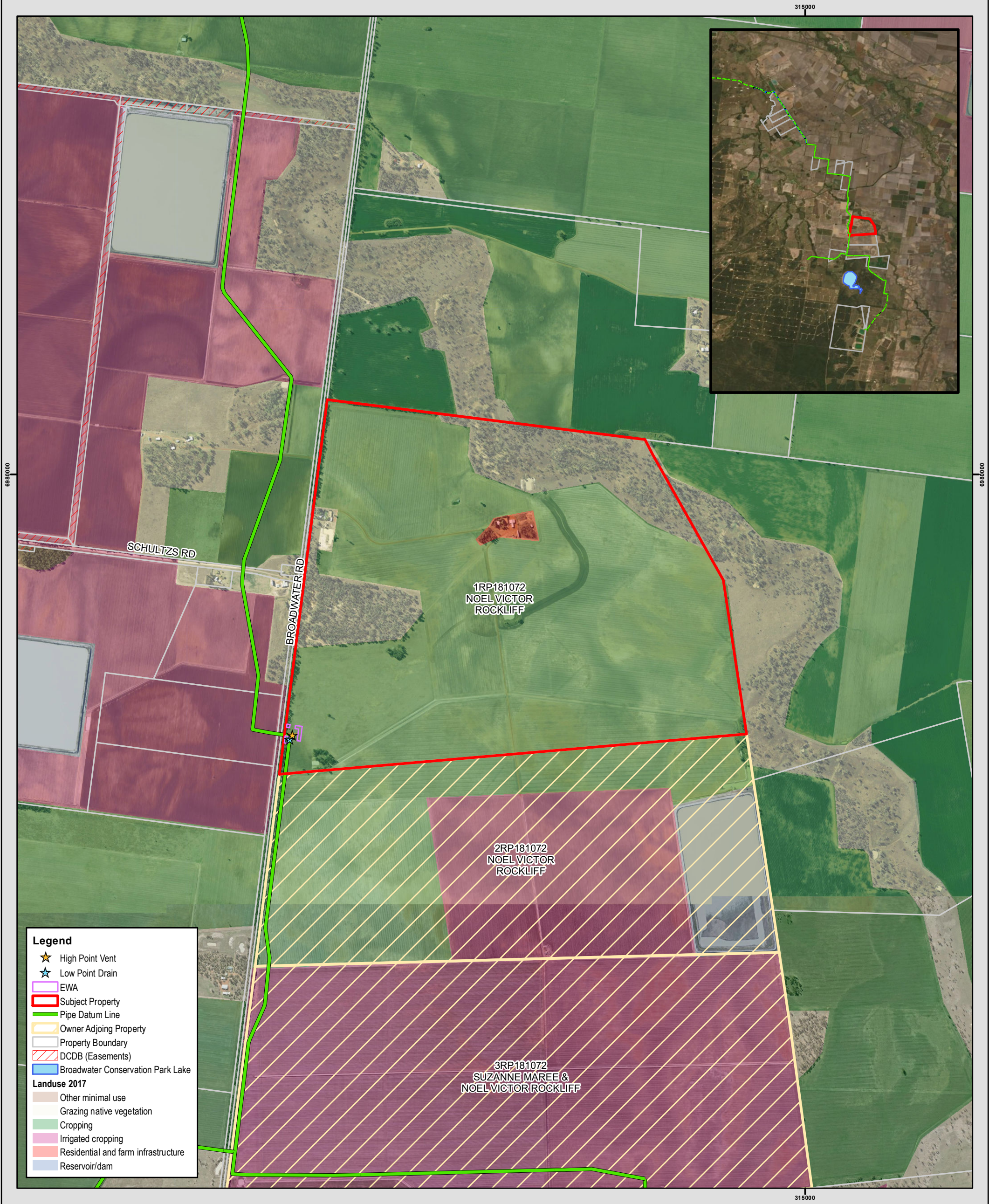
- The majority of the alignment has been located on the southern boundary of the property and will utilise the existing farm access track as well as part of the cropped area.
- The alignment does cross through cropped area in the southern portion of the parcel, where the alignment heads west onto 130DY762, to the north of existing gas wells.
- Extra work area will be required to facilitate construction of the Broadwater Road crossing.
- The alignment needs to pass through cropped area rather than following property boundary to select the shortest length and therefore have less overall impact on the cropping land. The alignment also reduces the need to remove vegetation on the neighbouring property and takes advantage of placing the alignment with the neighbouring QGC property.
- Cropping will be able to re-start following the construction period of the LPH. There will be some impacts immediately outside of the disturbance area for a temporary period which will reduce efficiencies.



From Broadwater Road, looking west along alignment

Infrastructure summary

- The length of LPH on this parcel is 1,497 m.
- LPH buried infrastructure on this parcel will consist of two pipelines and fibre optic cable.
- Surface infrastructure will include two low point drains located on the south eastern property boundary, immediately adjacent to Broadwater Road.



LPH - RIDA Application

Lotplan

1RP181072

Source: Arrow Energy Pty Ltd
Geoscience Australia
DNRME

Date: 20/04/2021
Issued To: A Hall
Author: jluke

0 500 1,000 2,000 Metres

Scale 1:20,000 @ A3
Coordinate System: GDA 1994 MGA Zone 56



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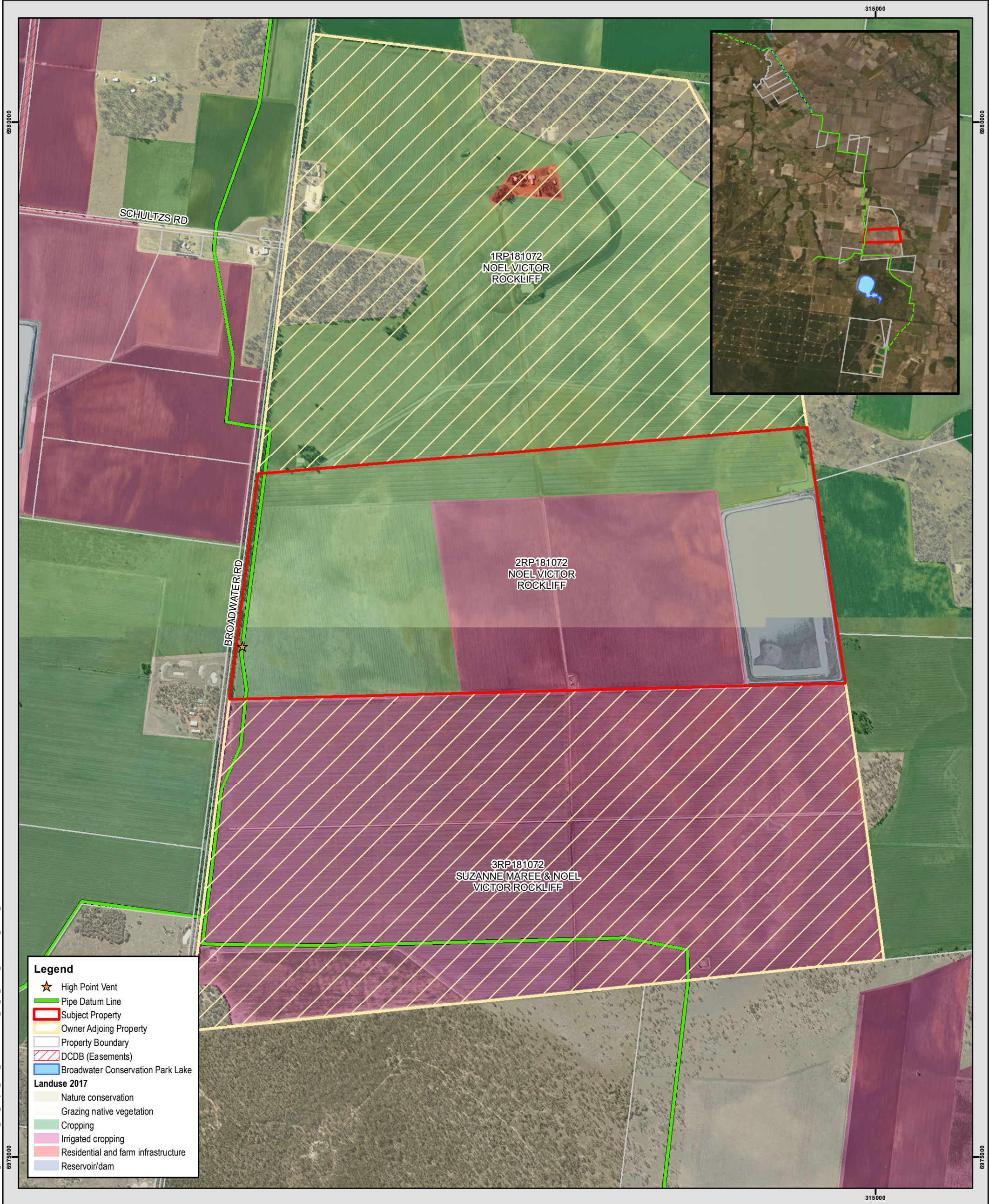
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LPH - RIDA Application

Lotplan 2RP181072

Source: Arrow Energy Pty Ltd
Geoscience Australia
DNRME

Date: 20/04/2021
Issued To: A Hall
Author: jluka



Scale 1:17,000 @ A3
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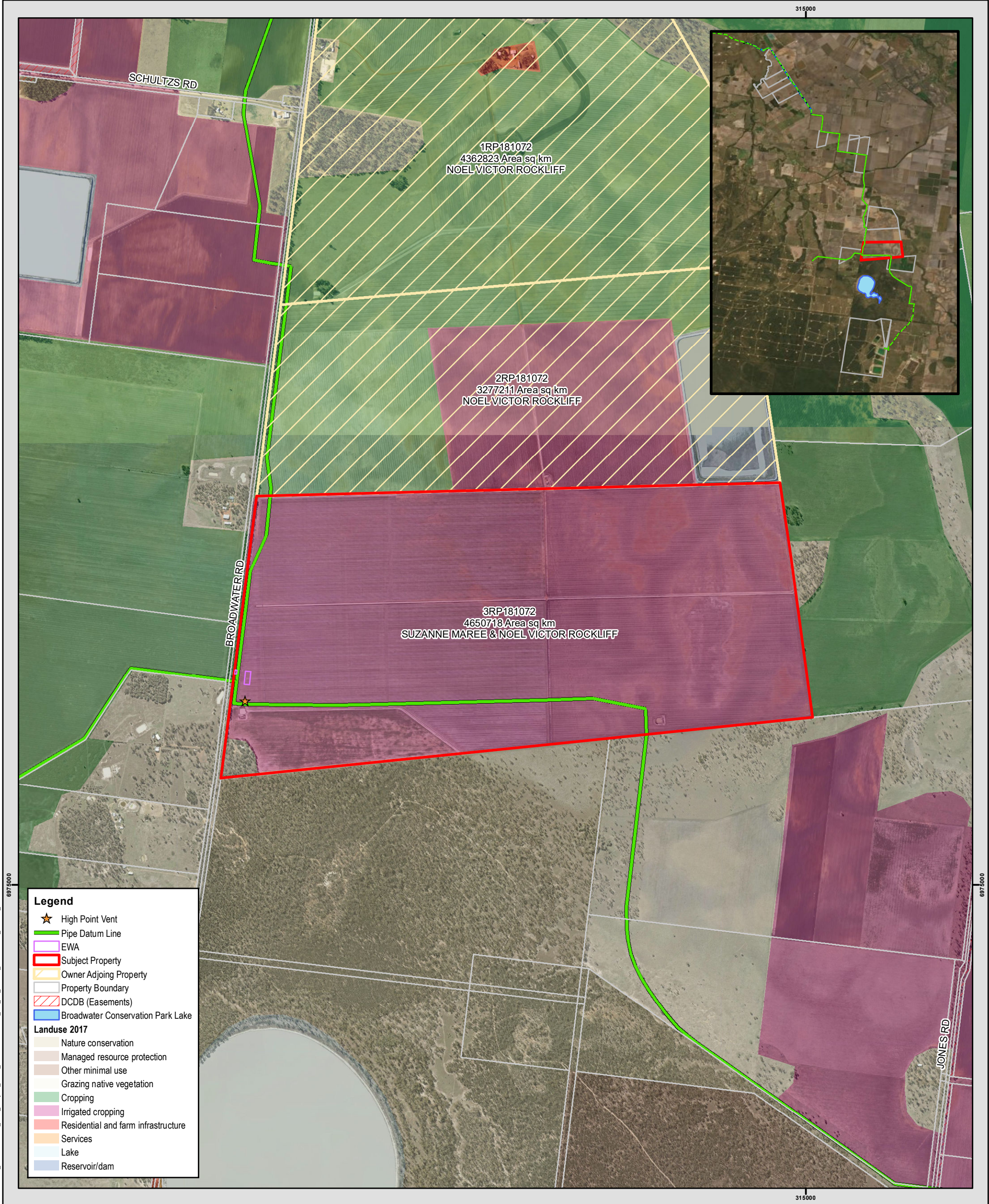
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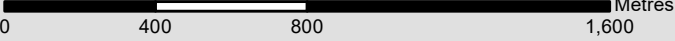


LPH - RIDA Application

Lotplan 3RP181072

Source: Arrow Energy Pty Ltd
Geoscience Australia
DNRME

Date: 20/04/2021
Issued To: A Hall
Author: jluke



Scale 1:20,000 @ A3
Coordinate System: GDA 1994 MGA Zone 56



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Parcels: 1RP181072, 2RP181072 and 3RP181072**Property Details**

- Land parcels 1RP181072, 2RP181072 and 3RP181072 are owned and operated by the one landholder for dryland (Lot 1) and irrigated (Lots 2 and 3) cropping of cereals and pulses.
- The LPH intersects several farm tracks and will traverse the same path as some farm drains. A head ditch will be cut and reinstated and also intersect several farm drains which will also be reinstated following construction.
- Surrounding land use includes both dryland and irrigated cropping, with patches of remnant vegetation. Lake Broadwater Conservation Park is located to the south.

Alignment Summary

- The southern portion of the alignment on 3RP181072 has been located to maintain a buffer between the Lake Broadwater Conservation Park and the ROW. As far as possible, the alignment has been located on the boundary of separately cropped areas.
- In conjunction with the landholder, Arrow has located the alignment along property boundaries as much as possible whilst also ensuring compliance with the relevant EA by avoiding the Category A ESA Conservation Park and also complying with engineering specifications, specifically radiation contour which required a move of the alignment further into the paddock to ensure an adequate buffer between the LPH and a dwelling.
- The alignment then generally follows the western boundary of the land parcels, diverting away from the boundary to ensure that a 200 m buffer is maintained between the ROW and the private residence located on the western side of Broadwater Road.
- Additional workspace is required to enable the construction of the lateral crossing of Broadwater Road.
- Cropping will be able to re-start following the construction period of the LPH. There will be some impacts immediately outside of the disturbance area for a temporary period which will reduce efficiencies.



From Broadwater Road looking north along alignment on Lot 3 RP181072

Infrastructure summary

- The length of LPH on these parcels is 5,050 m, comprising 249 m on Lot 1, 1,100 m on Lot 2 and 3,710 m on Lot 3.
- LPH buried infrastructure on these parcels will consist of pipelines (2 on Lots 1 and 3 and 3 on Lot 3) and fibre optic cable.
- Surface infrastructure will include a single high point vent on each of the three parcels and a low point drain will also be located on Lot 1.



LPH - RIDA Application

Lotplan 46DER34223

Source: Arrow Energy Pty Ltd
Geoscience Australia
DNRME

Date: 20/04/2021
Issued To: A Hall
Author: jluke



Scale 1:14,000 @ A3
Coordinate System: GDA 1994 MGA Zone 56



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NOT FOR CONSTRUCTION

Parcel: 46DER34223

Property Details

- This property is utilised for dryland cropping of cereals and pulses, consistent with the surrounding land use.
- No on farm tracks are impacted.
- No irrigation channels are located on this property.

Alignment Summary

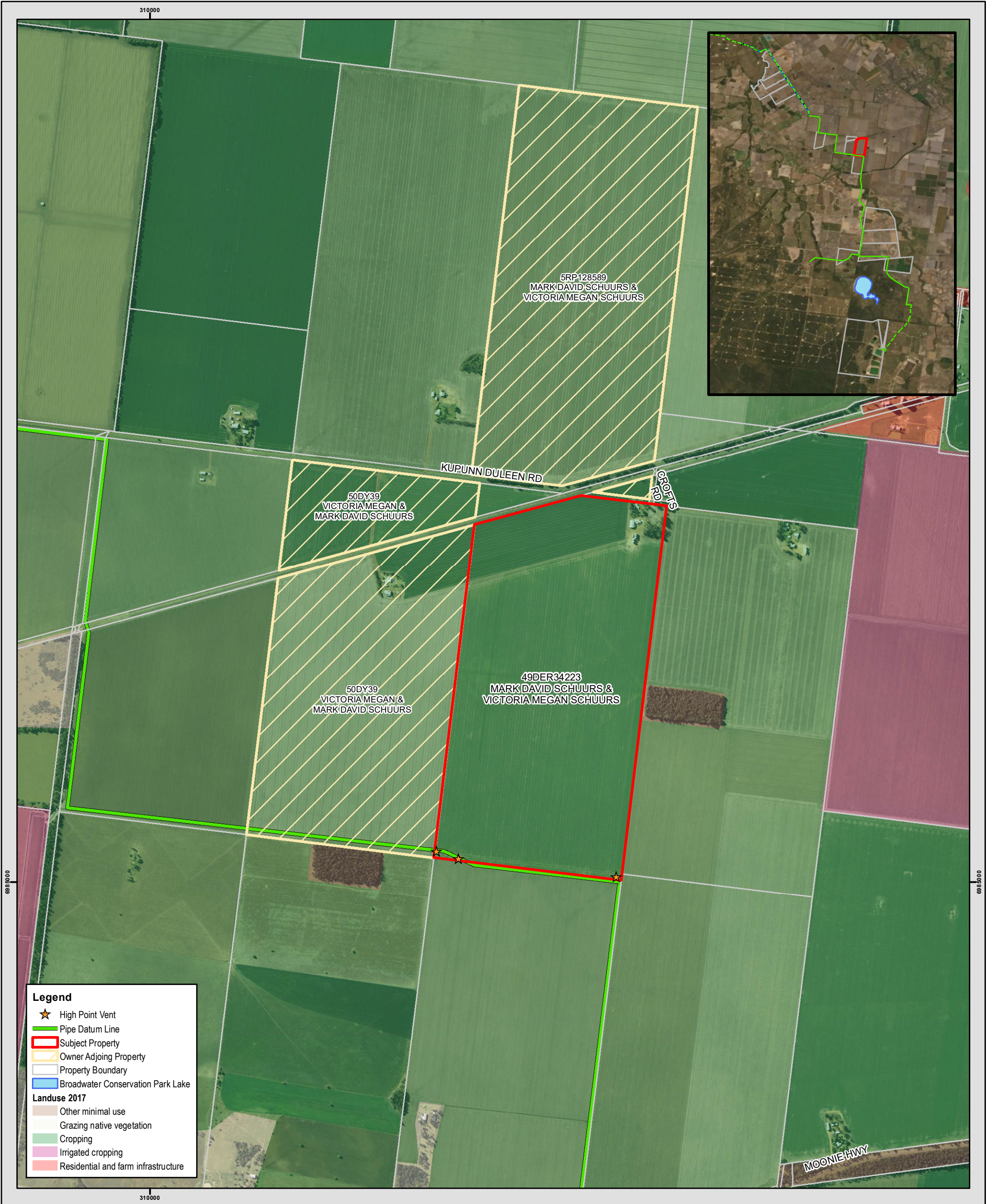
- The alignment has been located adjacent the eastern and northern boundary of the property to minimise impacts to the cropping activities.
- The property is accessed from the Moonie Highway on the southern boundary, and it is proposed that this access is utilised during construction and an access track. constructed from the access point east to the ROW to facilitate construction activities and also for ongoing operational access for light vehicle access only.
- Extra work area will be required on the southern boundary of the property to assist with the construction of the Moonie Highway crossing.



From Moonie Highway – looking north along alignment

Infrastructure summary

- The length of LPH on this parcel is 2,277 m.
- LPH buried infrastructure on this parcel will consist of three pipelines, an electrical cable and fibre optic cable.
- Surface infrastructure will include two high point vents located on the northern and southern boundary.



LPH - RIDA Application

Lotplan 49DER34223

Source: Arrow Energy Pty Ltd
Geoscience Australia
DNRME

Date: 20/04/2021
Issued To: A Hall
Author: jluka

0 350 700 1,400 Metres

Scale 1:15,000 @ A3
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N

arrowenergy
go further

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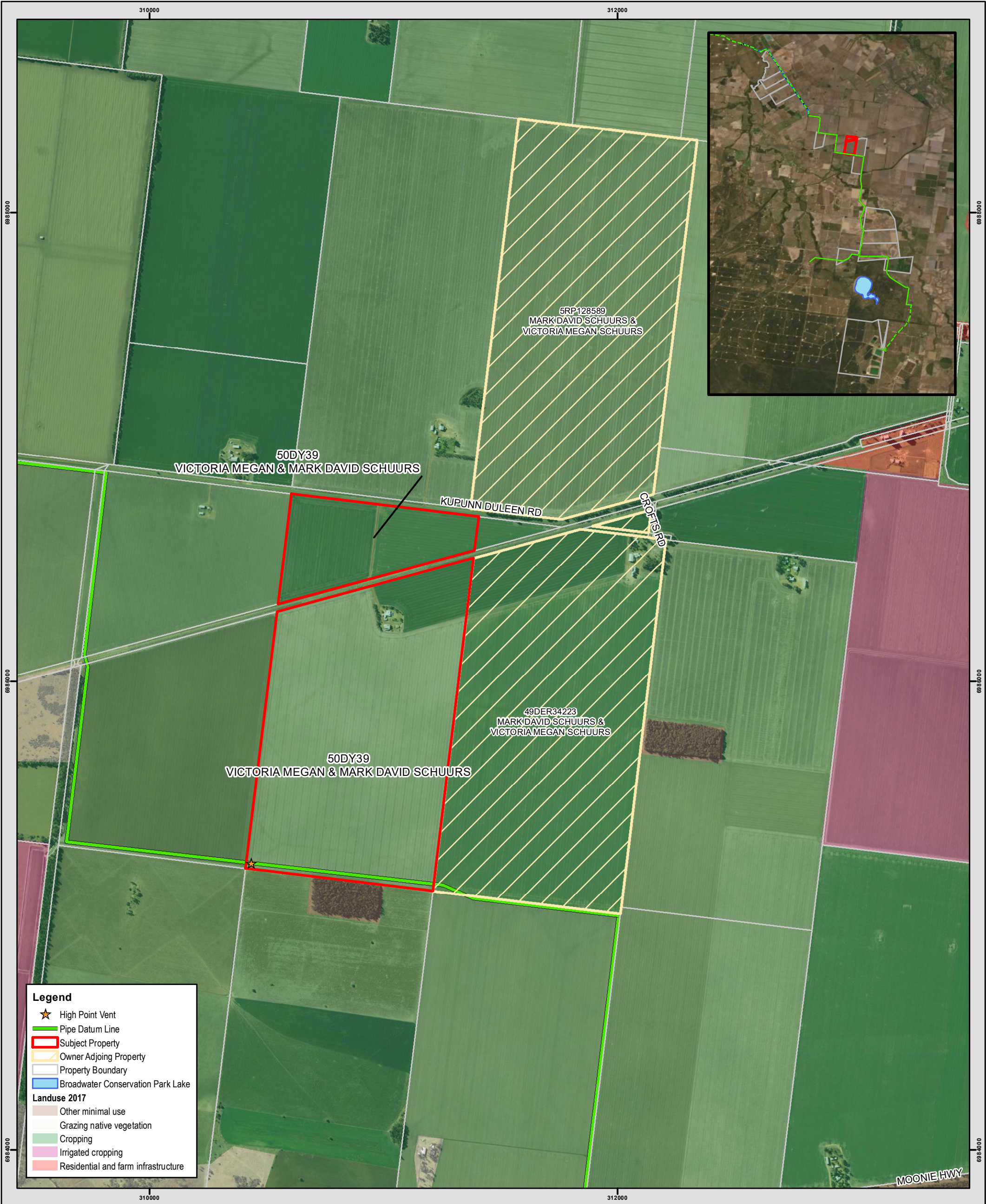
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Date: 20/04/2021
Issued To: A Hall
Author: jluke

03006001,200

Metres

Scale 1:15,000 @ A3

Coordinate System: GDA 1994 MGA Zone 56

LPH - RIDA Application

Lotplan 50DY39

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Parcels: 49DER34223 and 50DY39

Property Details

- 49DER34223 and 50DY39 are owned and operated by the same owner in conjunction with 5RP128589 (adjoining north 49DER34223, but not impacted by the alignment).
- The parcels are utilised for dryland cropping of cotton, cereals and pulses.
- Land uses surrounding these parcels also involves cropping.
- A narrow track situated next to the southern boundary will be impacted temporarily during construction but will be reinstated.

Alignment Summary

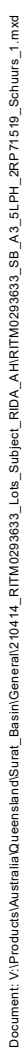
- The alignment has been located along the southern boundary of the properties (where impacted by the alignment). In consultation with the landholder the alignment was designed for future development and has been moved slightly north, to avoid a proposed irrigation channel to be constructed along the southern boundary.
- No additional area of impact outside of the ROW is expected.



Looking east along alignment

Infrastructure summary

- The length of LPH on the parcels is 921 m (115 m on 49DER34223 and 806 m on 50DY39).
- LPH buried infrastructure on these parcels will consist of three pipelines, an electrical cable (50DY39 only) and fibre optic cable.
- Surface infrastructure will include one high point vent located on 50DY39 and three high point vents on 49DER34223.



Lotplan 2RP71519

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NOT FOR CONSTRUCTION

Parcel: 2RP71519

Property Details

- This parcel is owned and operated by the same landholder as 49DER34223 & 50DY3, however the land parcel is not immediately adjacent (refer to Figure).
- The parcel is utilised for dryland cropping of cotton, cereals and pulses.
- Land uses surrounding these parcels also involves cropping.

Alignment Summary

- LPH alignment is located adjacent the northern boundary of the parcel.
- Extra work area is required to facilitate the LPH crossing of the Kupunn Duleen Road.



Looking west along northern boundary– Kupunn Duleen Road on right of image

Infrastructure summary

- The length of LPH on the parcels is 616 m.
- LPH buried infrastructure on this parcel will consist of three pipelines and fibre optic cable.
- There is no surface infrastructure planned to be constructed on this parcel.