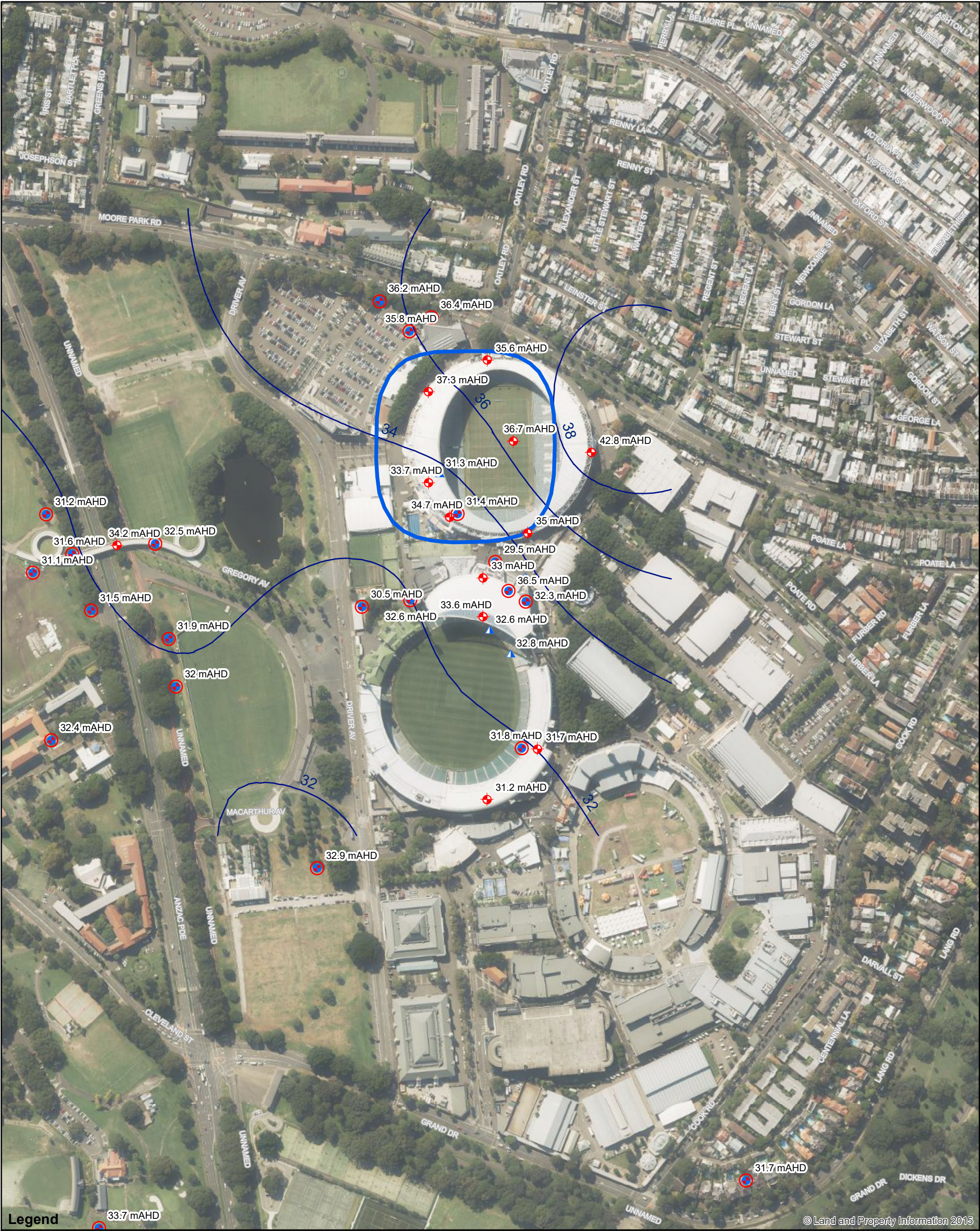


1.15 Department of Industry

No.	Extract	Response
Department of Industry		
DI1	Dewatering should be assessed against the NSW Aquifer Interference Policy 2012 and should specifically include assessment of potential impacts on the Heritage 'Busby's Bore'.	<p>Dewatering is not proposed as part of the Stage 1 Demolition Works. An assessment against the NSW Aquifer Interference Policy 2012 will accompany the Stage 2 State Significant Development Application in relation to any dewatering required for the basement ('ring road') construction. The Stage 1 works involve the demolition of existing structures to slab level only, therefore it is not anticipated the groundwater table will be intercepted as part of these works.</p> <p>The stadium is proposed to be shifted to the west so it is not anticipated excavation will impact on Busby's Bore (Figure 5).</p>
DI2	A dewatering management plan should be prepared, including identification of the proposed method of groundwater disposal.	Refer to response to DI1.
DI3	<p>A groundwater monitoring plan should be prepared and include the following:</p> <ul style="list-style-type: none"> Regular monitoring of groundwater levels to determine the high wet weather groundwater level to ensure any basement to the building will be tanked and water tight. A plan showing approximate locations of monitoring bores described in Section 6.3 of the Groundwater Impact Assessment. Collection of adequate baseline data in accordance with the AIP 	A Groundwater Monitoring Plan will accompany the Stage 2 State Significant Development Application.
DI4	A groundwater flow potentiometric contour map should be prepared across the site (based on levels collected over the same time period) to determine flow directions.	Figure 9 of the Groundwater Assessment Report (Appendix T to the EIS) has been updated to include groundwater contours (potentiometric contour map) and is attached to this response. Note a conceptual groundwater model was originally presented in Figure 11 of the Groundwater Assessment Report showing approximate depth to groundwater in relation to the stadium. There are some discrepancies in recorded groundwater levels across the site which is likely related to temporal changes in groundwater levels. Selected bores were used to generate a sensible representation of the groundwater contours.
DI5	Ground contours should be shown on Figure 9 in the Groundwater Impact Assessment for reference.	Ground contours are shown on Figure 5 of the Groundwater Assessment Report (Appendix T to the EIS).



Legend

Borehole

Cone penetration test

Standpipe with groundwater level reading (mAHd)

Proposed stadium footprint

Groundwater level contours (mAHd)

Client

Infrastructure New South Wales

Job Title

Sydney Football Stadium Redevelopment

Figure Title

Groundwater levels

050100150200

Metres

P15-Oct-18AOJCJC

IssueDateByChkdAppd

ARUP

Level 10, 201 Kent Street
PO Box 76 Millers Point
Sydney NSW 2000
Tel +61 (2)9320 9320 Fax +61 (2)9320 9321
www.arup.com

Scale at A3

Figure Status

1:4,000

Preliminary

Coordinate System

GDA 1994 MGA Zone 56

Job No

Figure No

260159-00

009

© Land and Property Information 2015

© Arup 2017