



Appendix A

Background figures





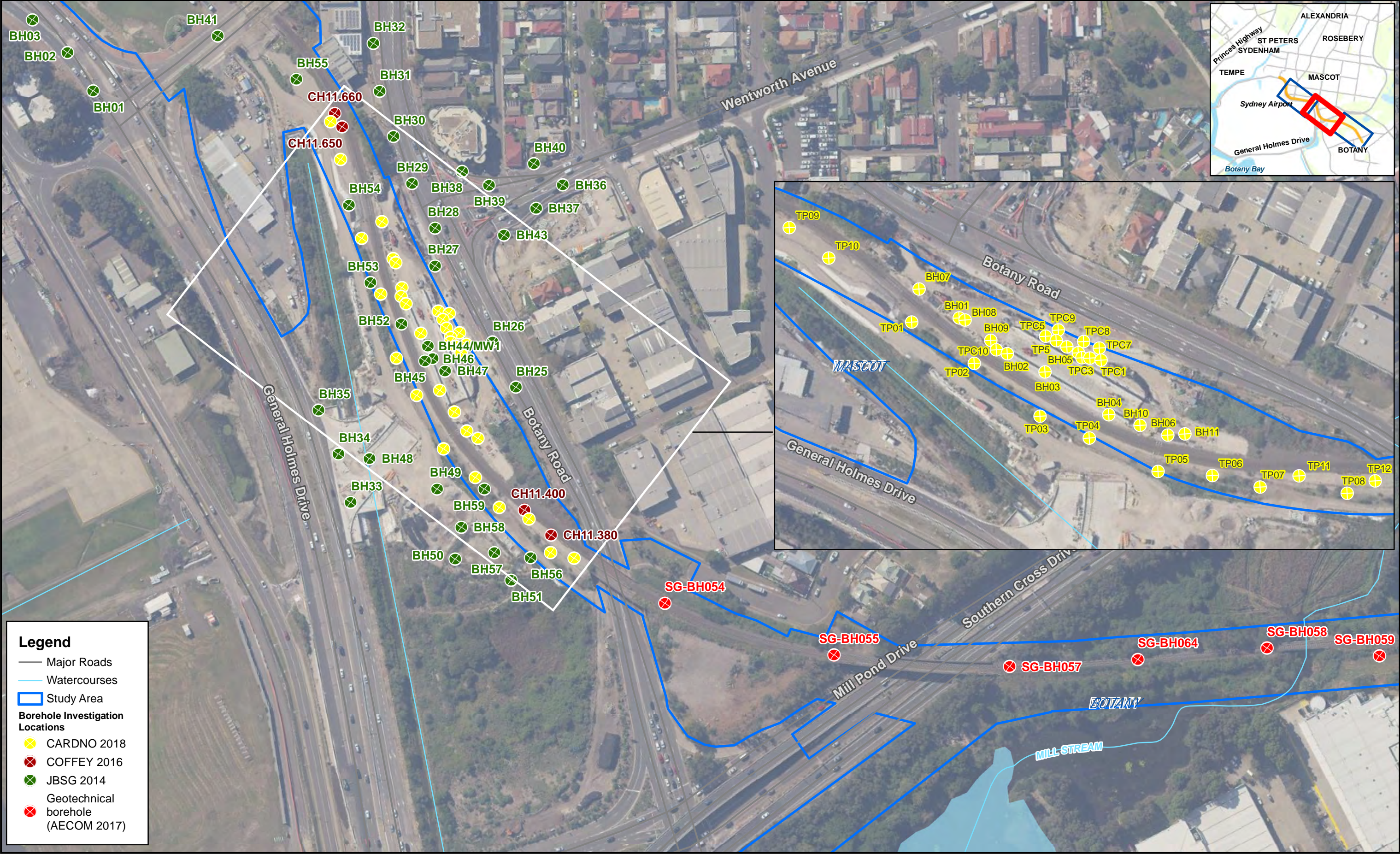
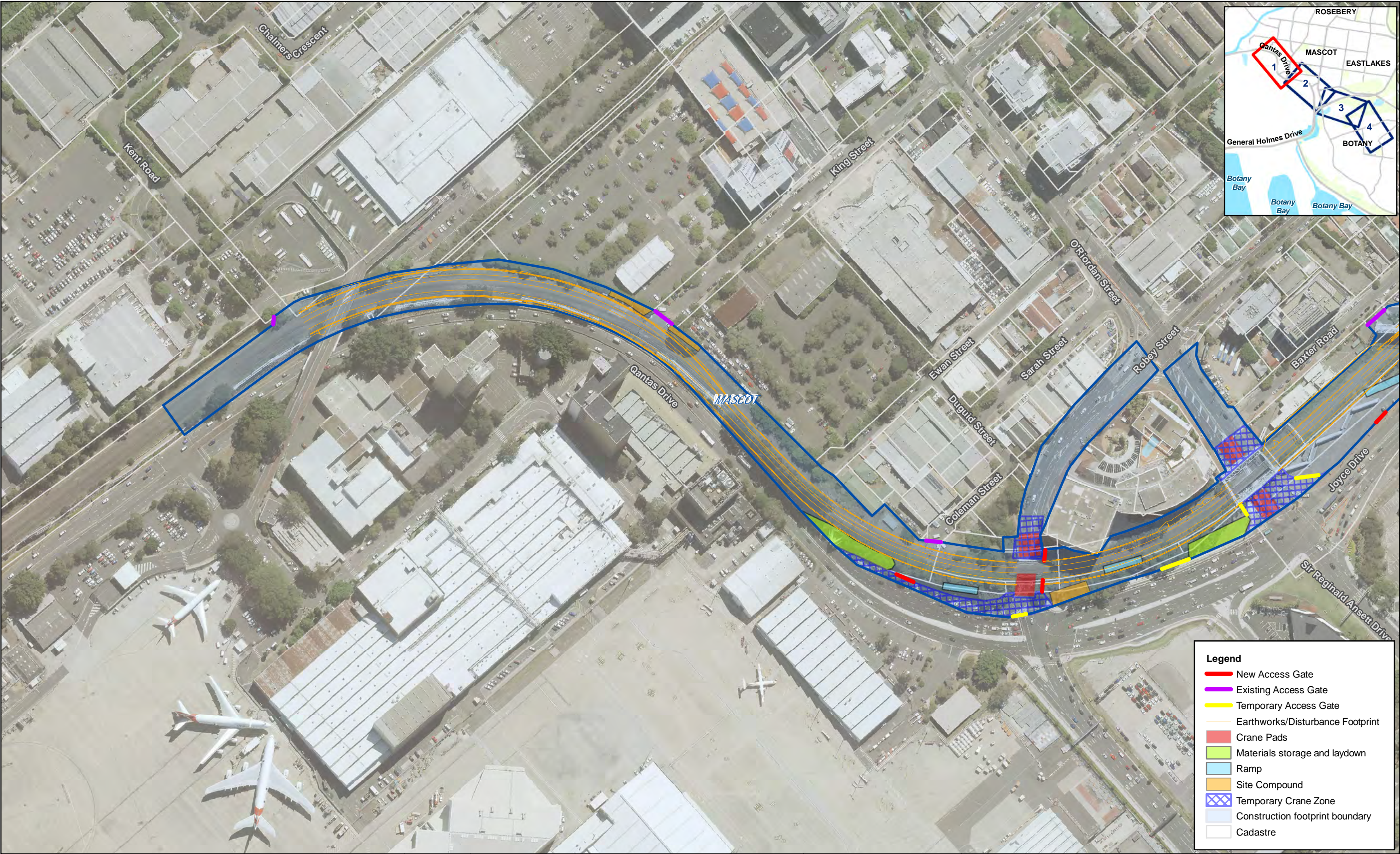
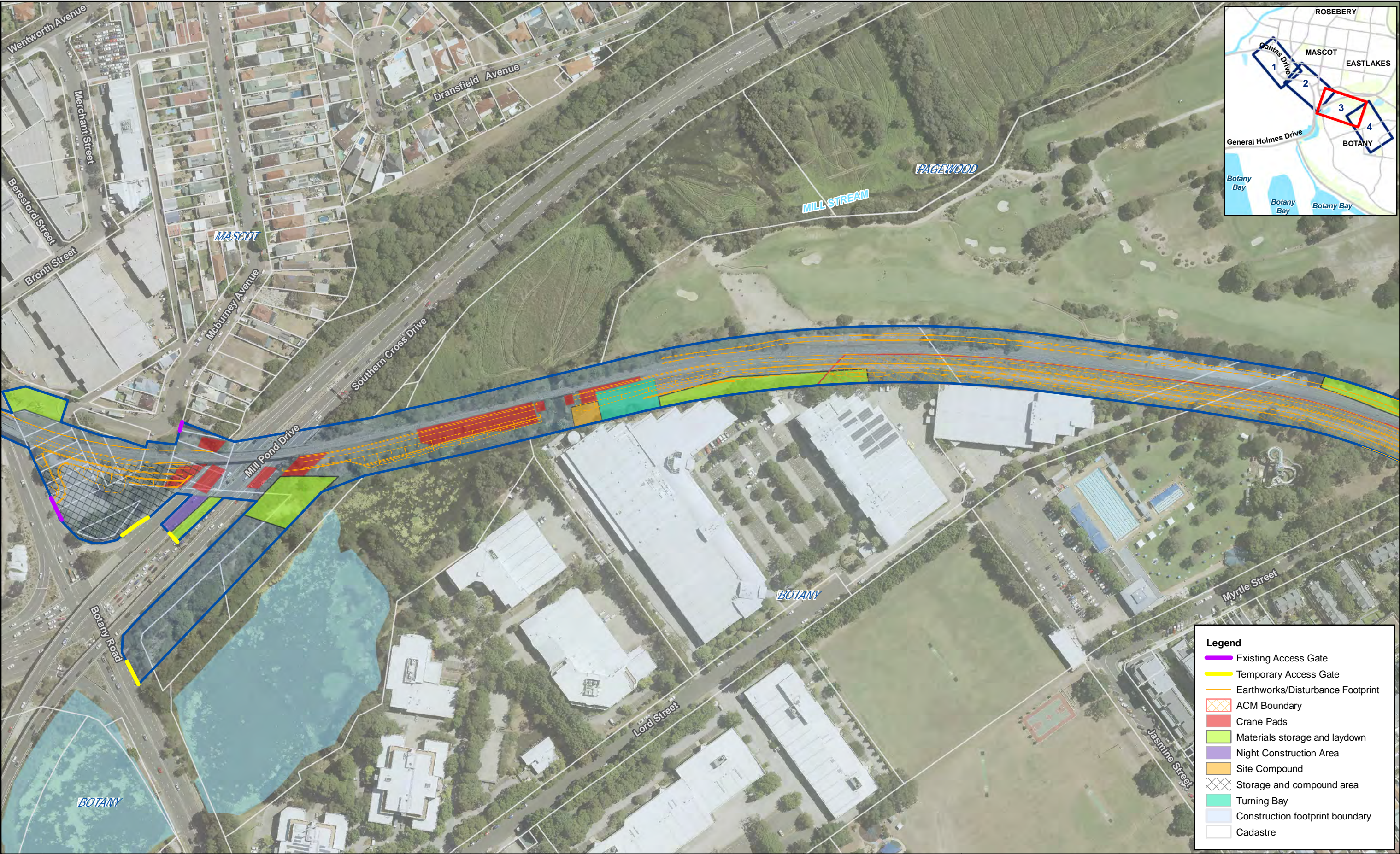


Figure 1





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				WVR No.	APPROVAL	SCALES ON A1 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	ARTC	
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								DRG No.					RMS REGISTRATION No.	
													ISSUE STATUS FOR INFORMATION	
													EDMS No.	
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				A1	15/05/2019	Proposed earthworks									DRAWN	G KUMAR	15/05/2019					DRG CHECK	J BARTON	15/05/2019
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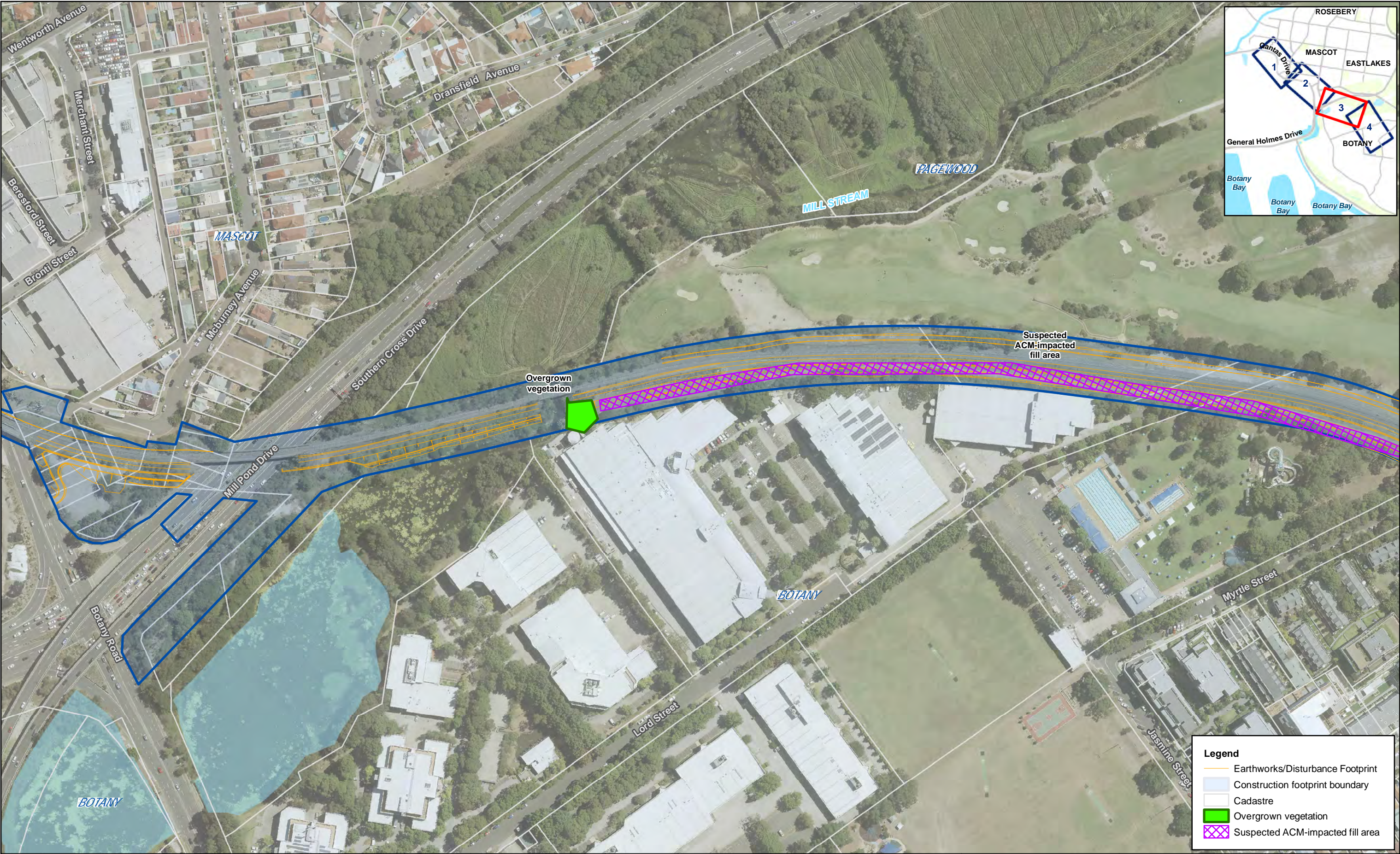
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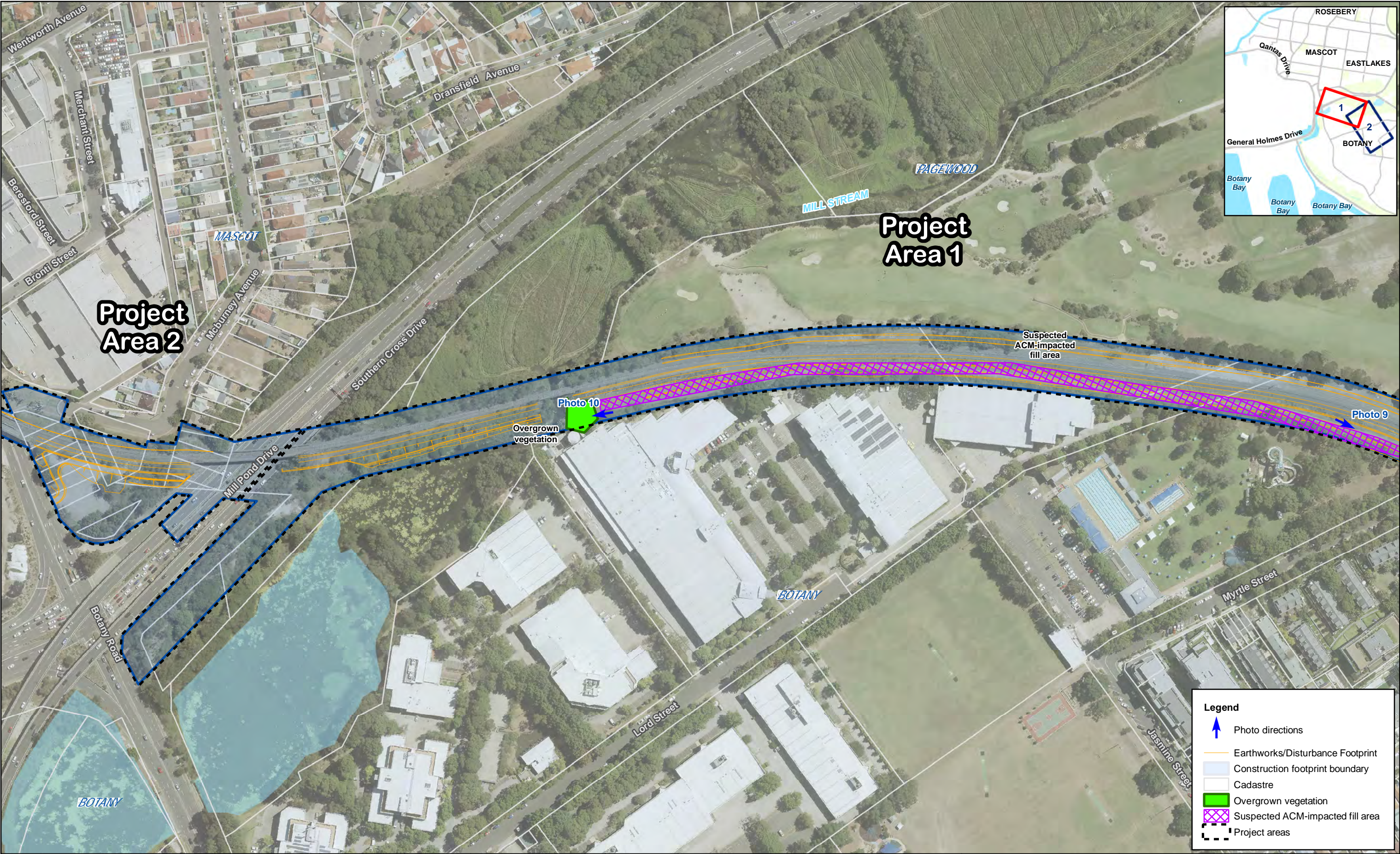
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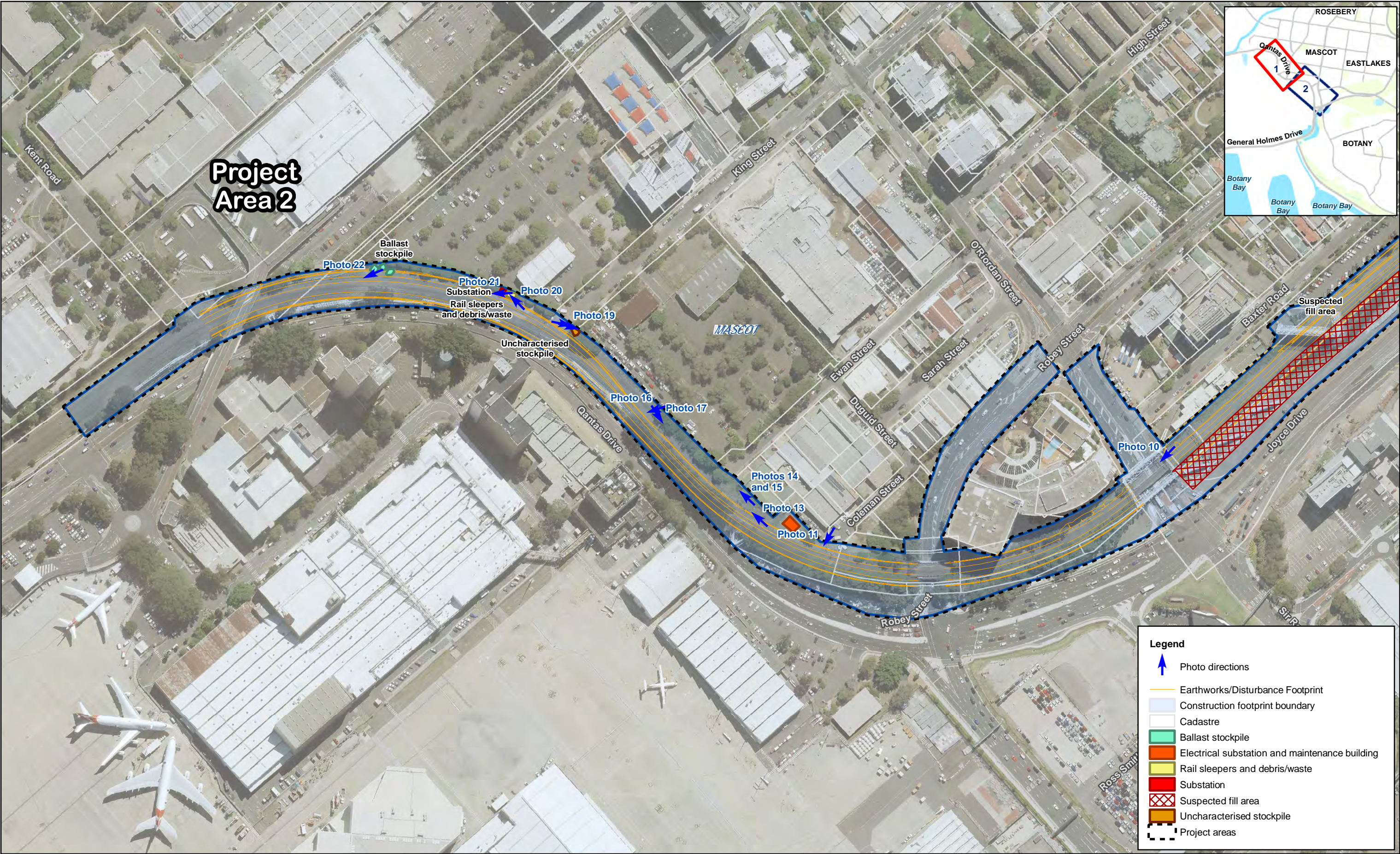
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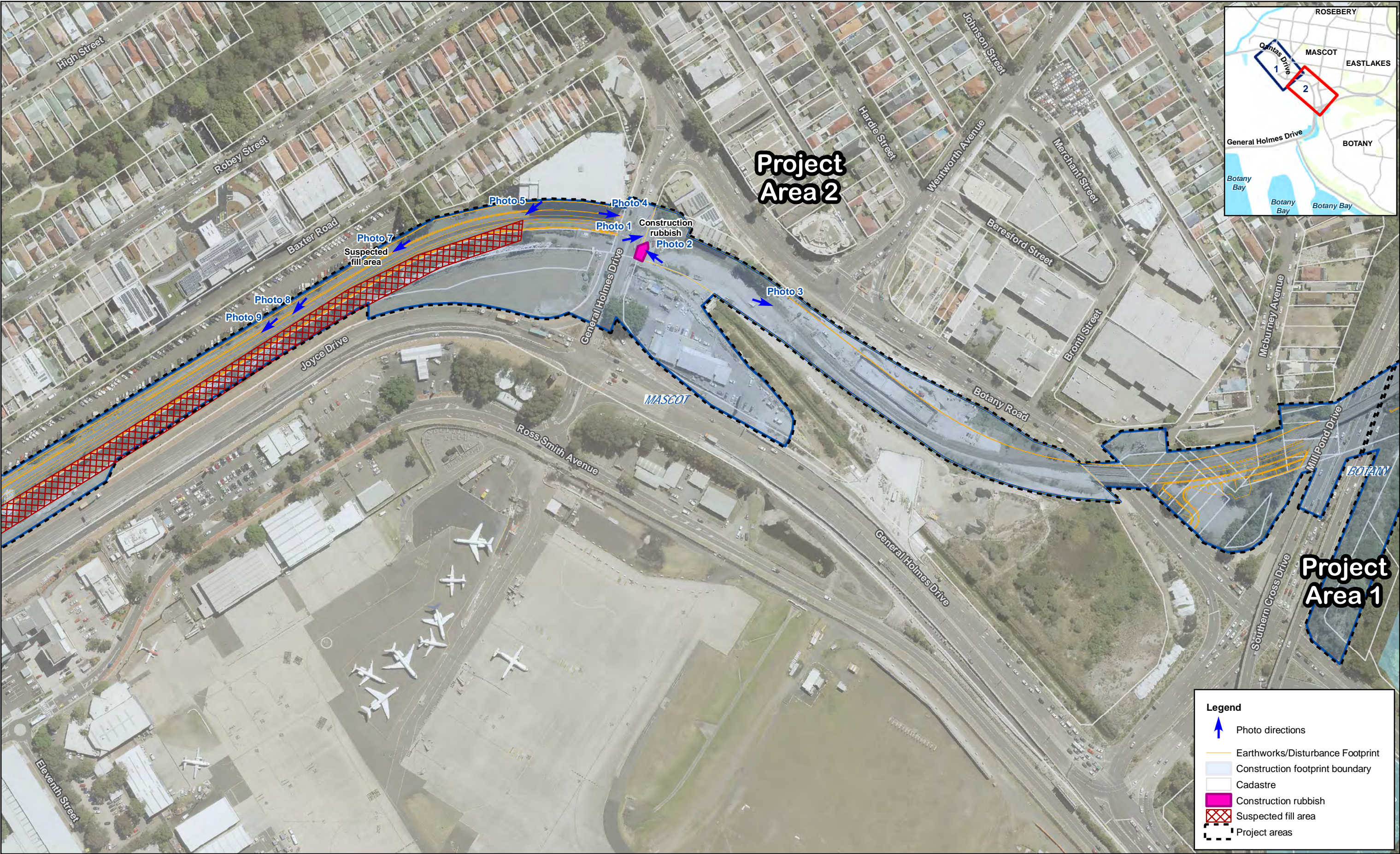
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										CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD								ISSUE STATUS FOR INFORMATION		EDMS No.		SHEET No.		ISSUE A1	



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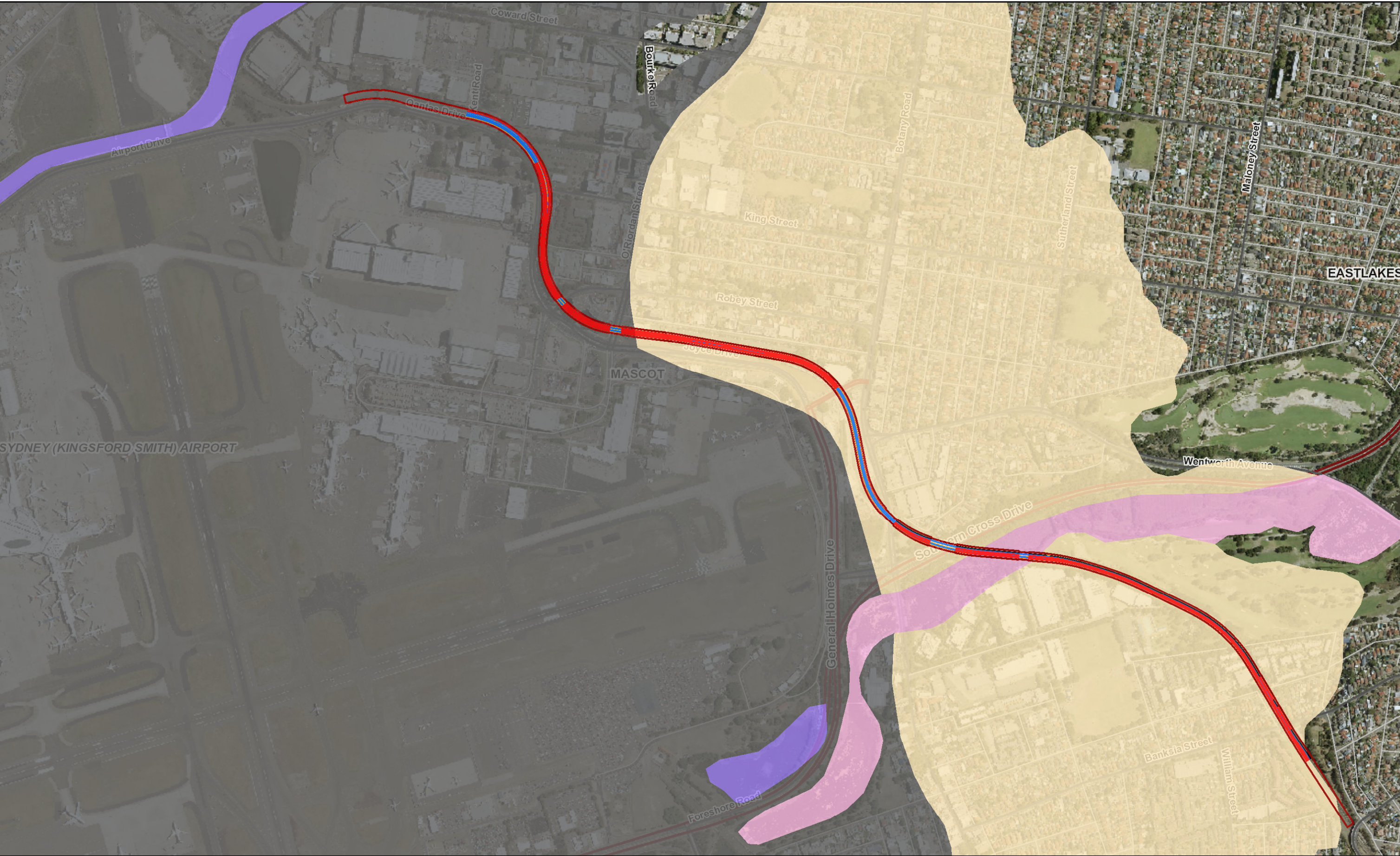


Appendix B

Acid Sulfate Soils map

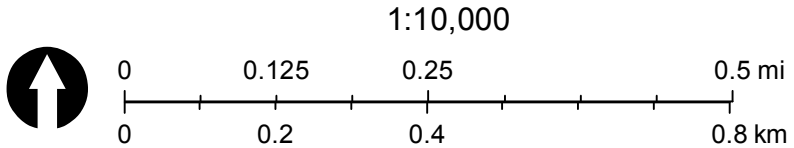


Appendix B - Acid Sulfate Soil risk



August 13, 2018

Printed from: <https://create-anz.wsp.com/Default.aspx?p=sydneygateway>



Legend

Acid sulfate soil risk

Rail Design - Horizontal alignment Up Botany

Rail Design - Horizontal alignment Down Botany

Rail Design - Loops Botany

Project site - Rail

Alexandra Canal

Acid Sulfate Soil Risk

High Risk 0-1m

High Risk 1-2m

High Risk 2-4m

High Risk above 4m

High Risk Sediments

Low Risk 0-1m

Low Risk 1-2m

Low Risk 2-4m

Low Risk above 4m

Low Risk Sediments

No Risk

Water

Disturbed Terrain

Beach

Major Places

Locality Names

Road Names

Local Road

Local Road

Track and Access

Dedicated Busway

Named watercourse

Watercourses

wsp

GHD

SENSITIVE: NSW CABINET

October 30, 2018

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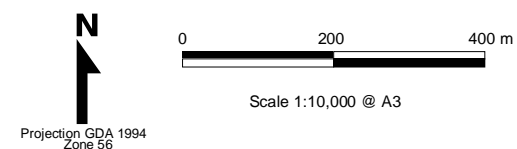
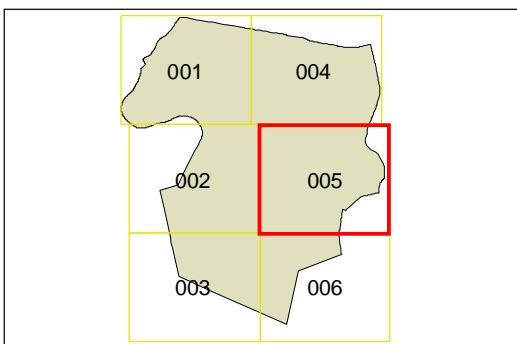
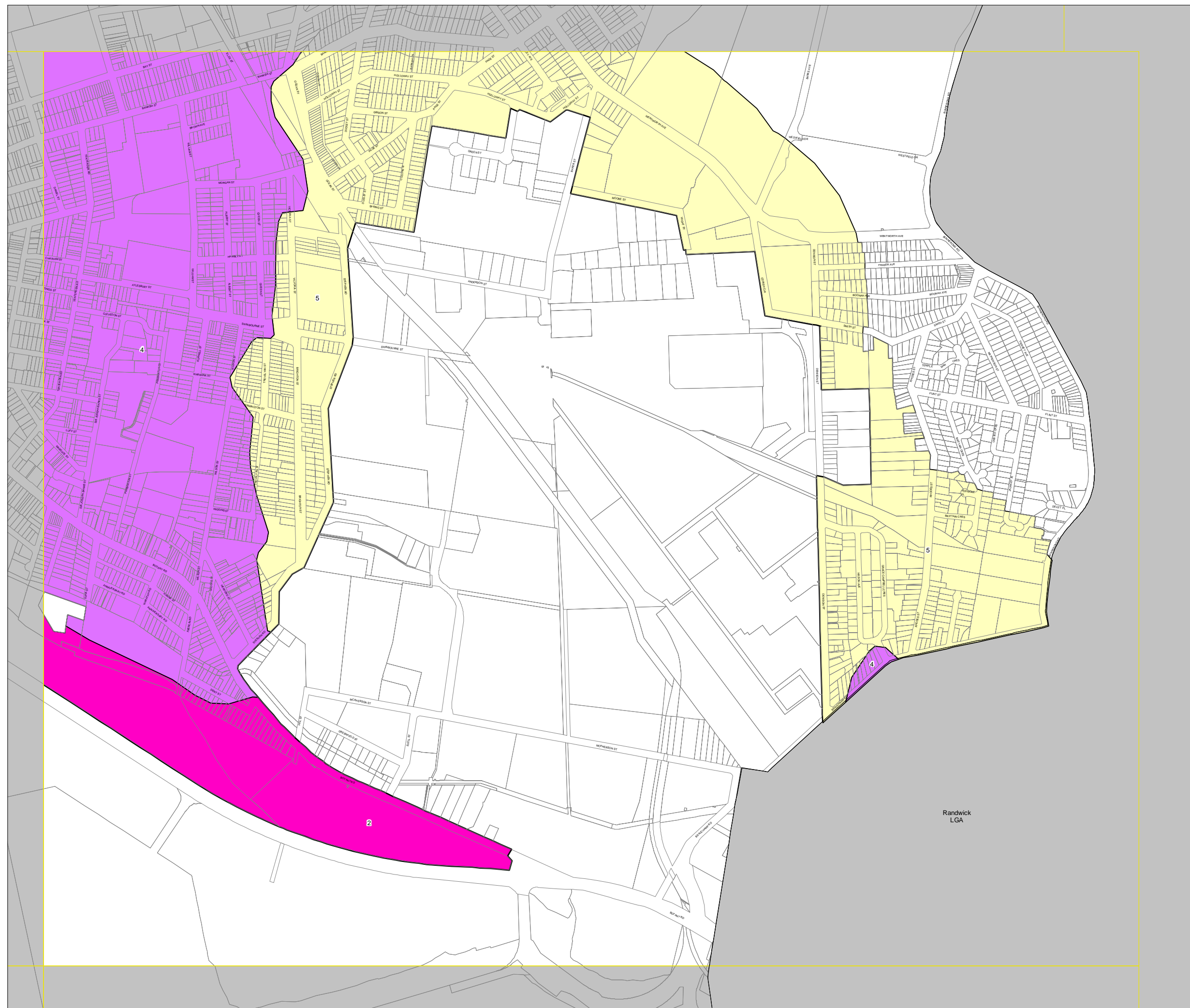
Acid Sulfate Soils Map - Sheet ASS_005

Acid Sulfate Soils

- Class 1
- Class 2
- Class 2
- Class 4
- Class 5

Cadastre

Base data 5/1/2012 © Land and Property Information (LPI)





Botany Bay Local Environmental Plan 2013

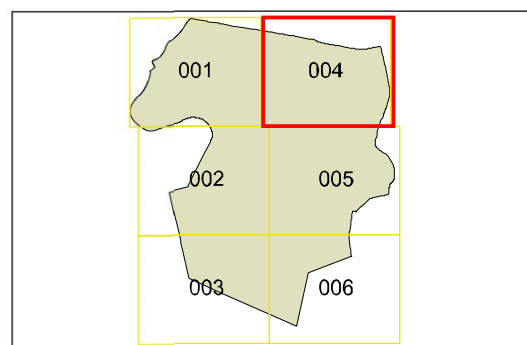
Acid Sulfate Soils Map - Sheet ASS_004

Acid Sulfate Soils

- 1 Class 1
- 2 Class 2
- 4 Class 4
- 5 Class 5

Cadastre

Base data 5/11/2012 © Land and Property Information (LPI)

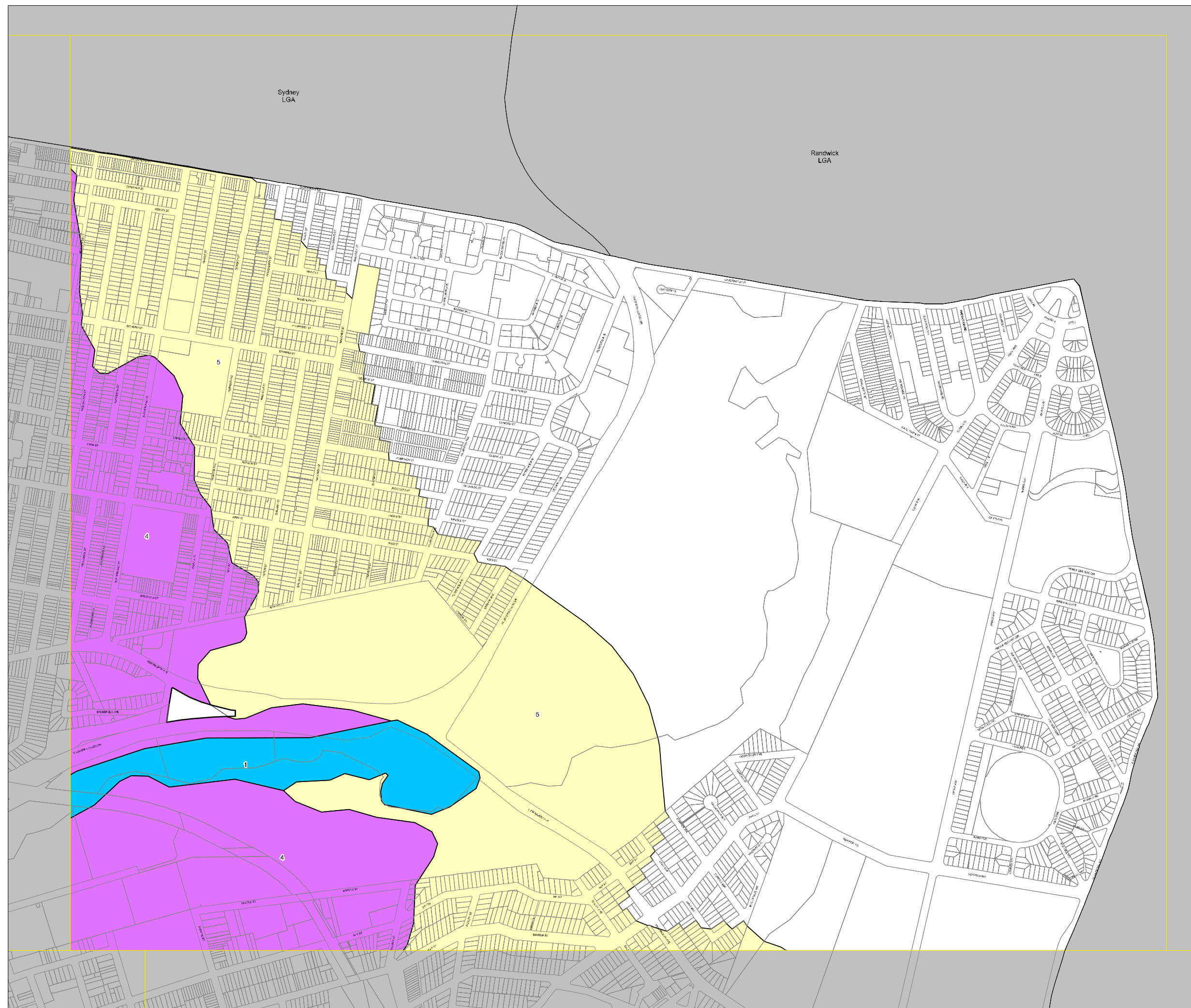


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Scale 1:10,000 @ A3

Projection GDA 1994
Zone 56

Map identification number:
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Botany Bay Local Environmental Plan 2013

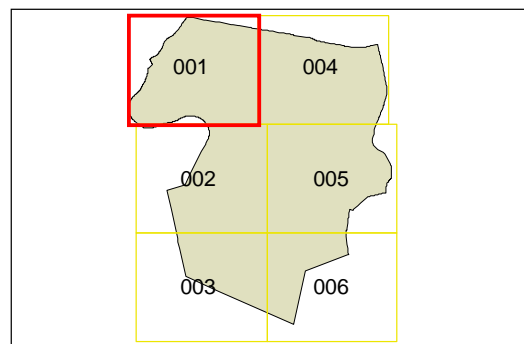
Acid Sulfate Soils Map - Sheet ASS_001

Acid Sulfate Soils

- 1 Class 1
- 2 Class 2
- 4 Class 4
- 5 Class 5

Cadastre

- Base data 5/11/2012 © Land and Property Information (LPI)

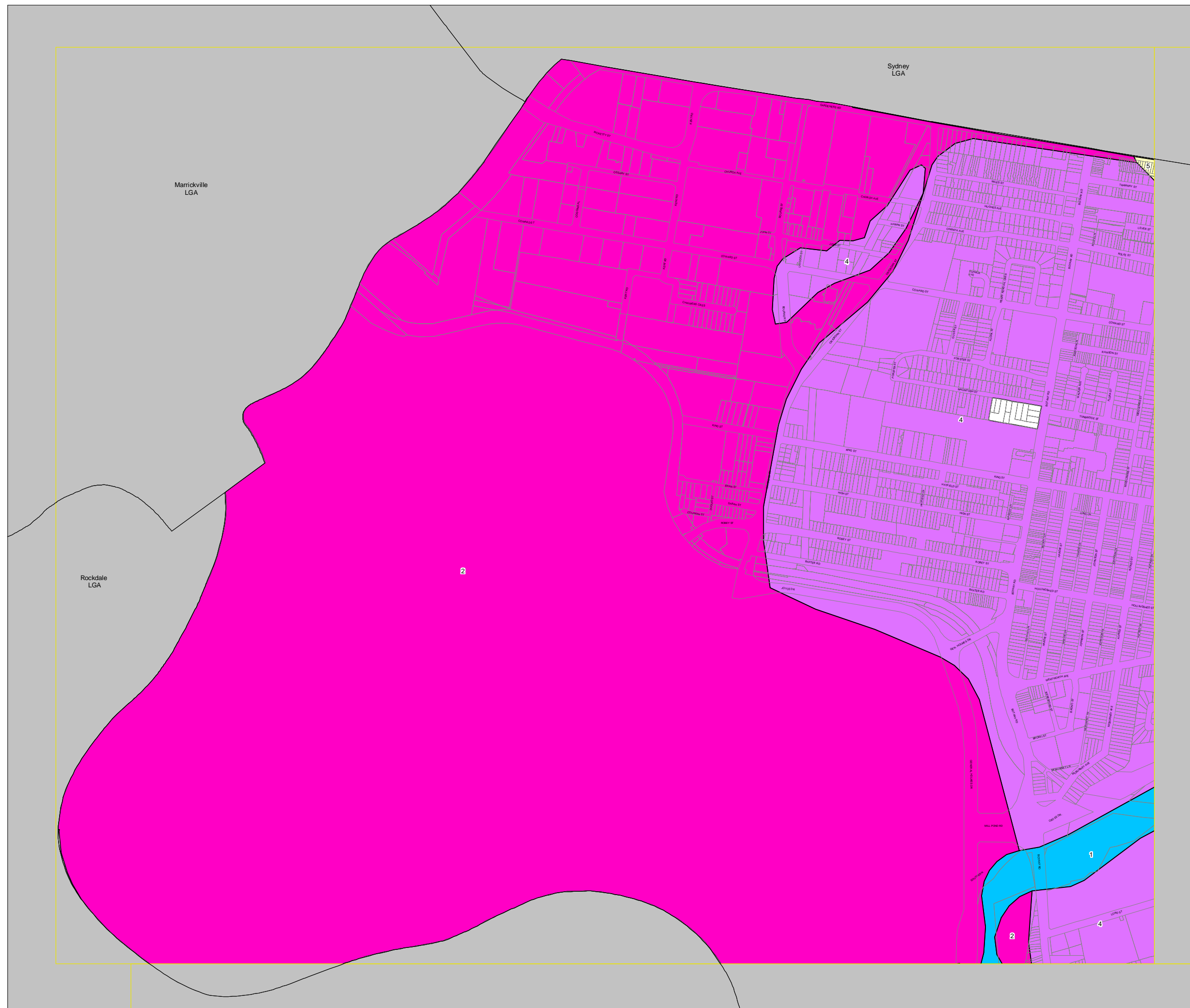


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Scale 1:10,000 @ A3

Projection GDA 1994
Zone 56

Map identification number:
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Appendix C

Photographs





		PHOTOGRAPHIC LOG	
Client Name ARTC PS109315	Site Location Botany Freight Rail Line, Botany NSW.	Project Botany Rail Duplication EIS	

Photo No.	Date	
1	06.07.2018	
Description View of Page/Stephen St Bridge facing south. Chainage 9.610 km.		

Photo No.	Date	
2	06.07.2018	
Description Rail sleeper storage area. Chainage 9.700 km (approximate).		


		PHOTOGRAPHIC LOG
Client Name ARTC PS109315	Site Location Botany Freight Rail Line, Botany NSW.	Project Botany Rail Duplication EIS

Photo No.	Date	
3	06.07.2018	
Description Rail ballast stockpiles with organics and general debris throughout. Chainage 9.800 km (approximate).		

Photo No.	Date	
4	06.07.2018	
Description Multiple waste drums present, labels indicate they contain a limestone based firecaulk sealant. Chainage 9.850 km (approximate).		



		PHOTOGRAPHIC LOG
Client Name ARTC PS109315	Site Location Botany Freight Rail Line, Botany NSW.	Project Botany Rail Duplication EIS

Photo No.	Date	
5	06.07.2018	
Description Rail ballast and mixed vegetation stockpiles. Chainage 9.900 km (approximate).		

Photo No.	Date	
6	06.07.2018	
Description Asbestos Containing Material warning signage noted under the Banksia St Pedestrian Level Crossing. Chainage 10.000 km (approximate).		


		PHOTOGRAPHIC LOG	
Client Name ARTC PS109315	Site Location Botany Freight Rail Line, Botany NSW.	Project Botany Rail Duplication EIS	



Photo No.	Date	
7	06.07.2018	
Description Roadway alongside the rail tracks elevated from natural slope of land/surrounds by approximately 1 m, indicating the presence of fill material. Chainage 10.100 km (approximate).		

Photo No.	Date	
8	06.07.2018	
Description Elevated roadways continues opposite the Eastlake Golf Course. Chainage 10.200 km (approximate).		



		PHOTOGRAPHIC LOG
Client Name ARTC PS109315	Site Location Botany Freight Rail Line, Botany NSW.	Project Botany Rail Duplication EIS

Photo No.	Date	
9	06.07.2018	
Description Exposed geofabric layer observed in multiple areas along the roadway surface. Strong indicator of the presence of fill material in the elevated roadway.		

Photo No.	Date	
10	06.07.2018	
Description Overgrown vegetation observed surrounding the roadway, particularly in the vicinity of the Mill Stream Bridge. Unauthorised to proceed beyond this point due to narrow bridge. Chainage 10.900 km (approximate).		