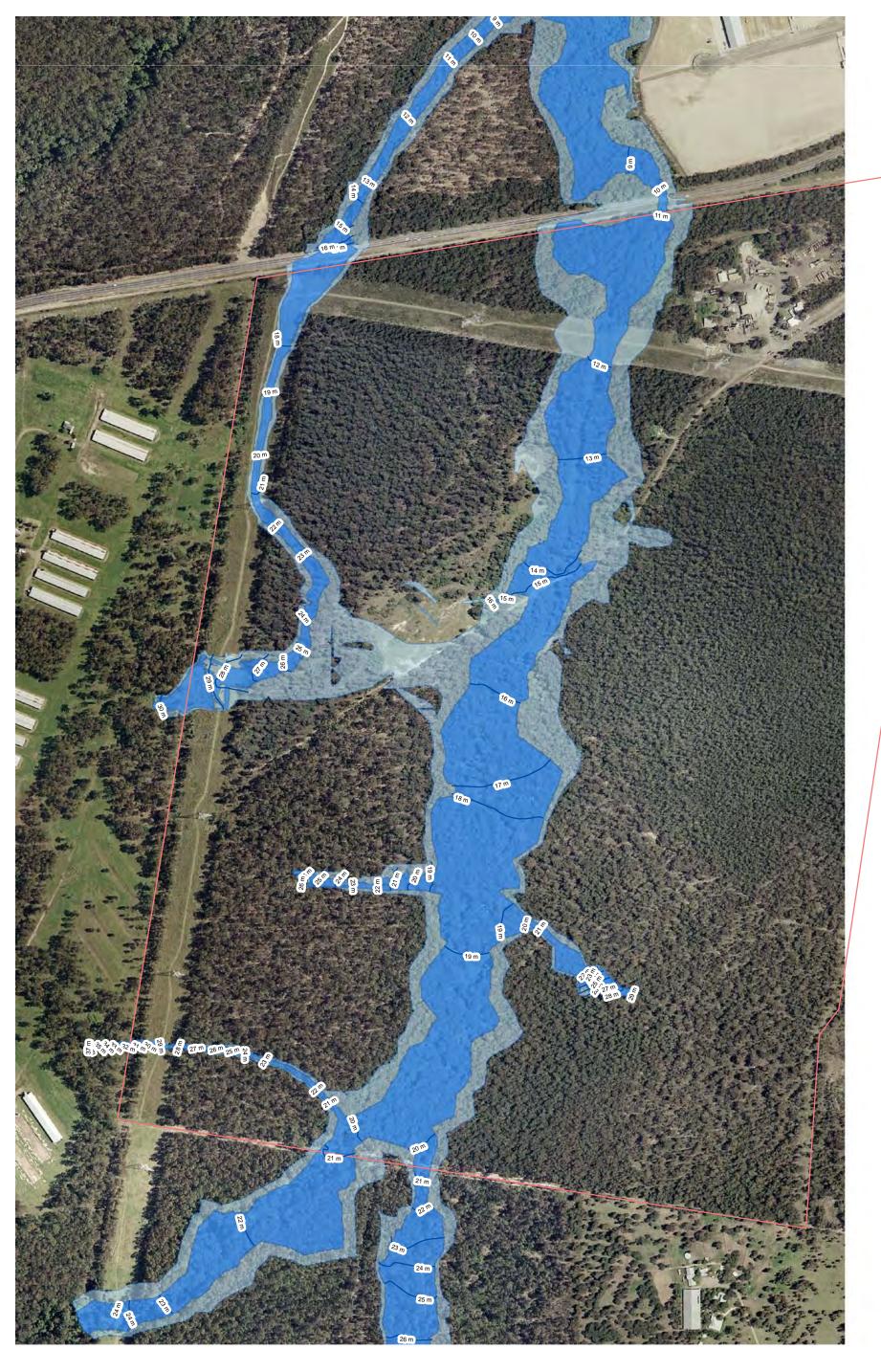
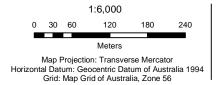


Appendix B Flood Maps





Ν



100-year ARI Flood Level Contours

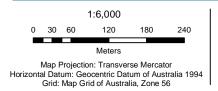
100yr ARI Flood Extent

PMF Flood Extent

Coal and Allied Report for Lower Hunter Lands Project - Phase 2

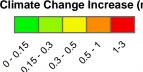
Job Number 21-16058 Revision Date 21/10/2010







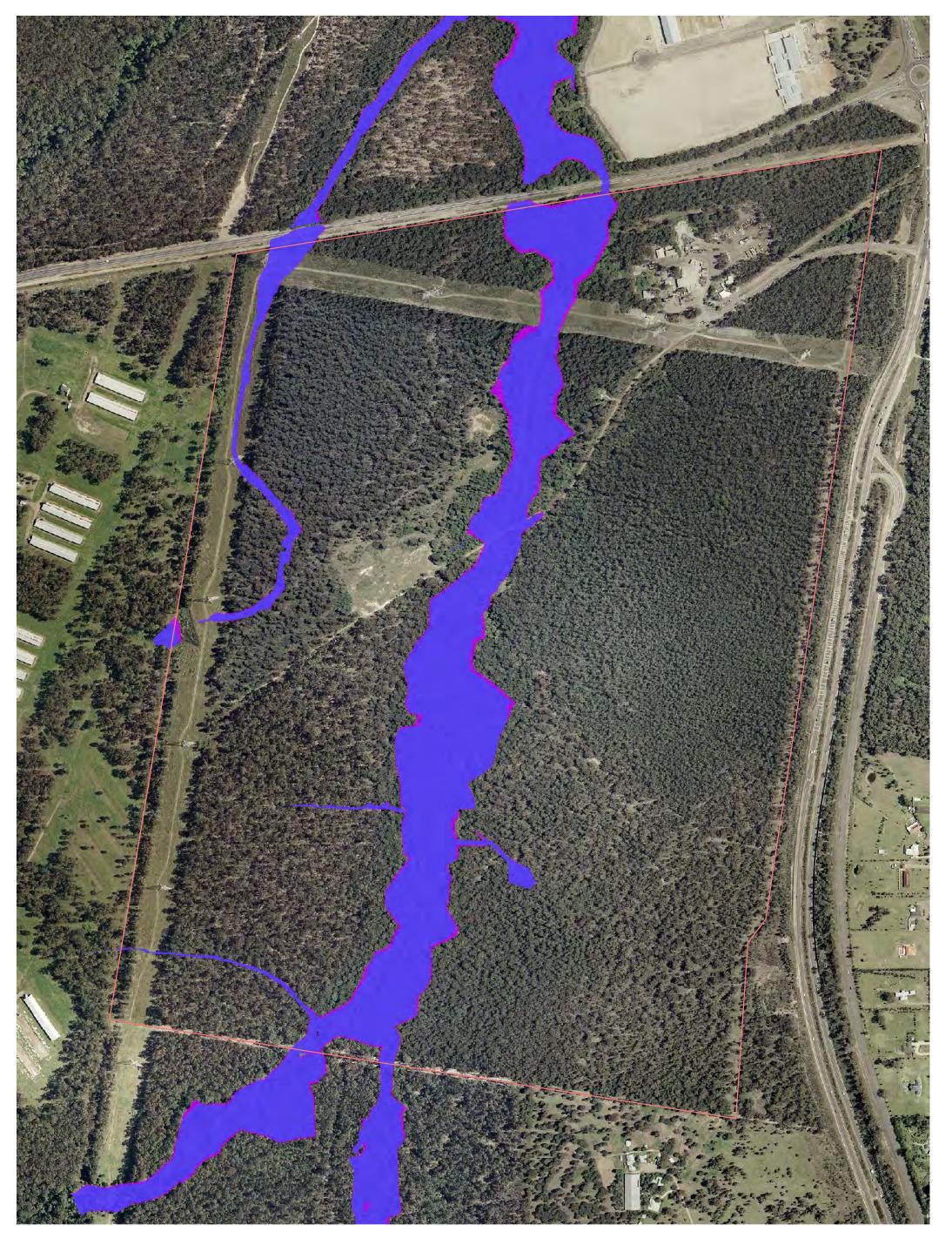
Climate Change Increase (m) 30% Increased Rainfall Intensity

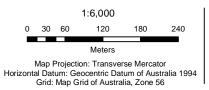


Coal and Allied

Report for Lower Hunter Lands
Project - Phase 2
Climate Change Flooding Impact

Job Number | 21-16058 Revision Date 23/11/2010







100-yr ARI Flood Extents

100yr ARI Flood Extents 2100 climate

Coal and Allied Report for Lower Hunter Lands Project - Phase 2

Climate Change Flooding Impact

Job Number | 21-16058 Revision Date 23/11/2010



1:6,000 0 0.0250.05 0.1 0.15 0.2 0.25 Kilometers Map Projection: Transverse Mercator Horizontal Datum: Geocentric Datum of Australia (GDA) Grid: Map Grid of Australia 1994, Zone 56



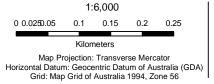
Post-Subsidence minus Pre-Subsidence Flood Level Contours (m)
Report for Lower Hunter Lands
100yr ARI Flood Extents Pre-Subsidence
Project - Phase 2 100yr ARI Flood Extents Pre-Subsidence 100yr ARI Flood Extents Post-Subsidence - Mining Subsidence Contours (m)

Coal and Allied

Subsidence Flooding Assessment 100-year ARI Event

Job Number 21-16058 Revision Date 2nd Oct 2009







Post-Subsidence minus Pre-Subsidence Flood Level Contours (m)

Report for Lower Hunter Lands

PMF Flood Extents Pre-Subsidence

Project - Phase 2 PMF Flood Extents Pre-Subsidence ■ PMF Flood Extents Post-Subsidence Mining Subsidence Contours (m) **PMF**

Coal and Allied

Subsidence Flooding Assessment

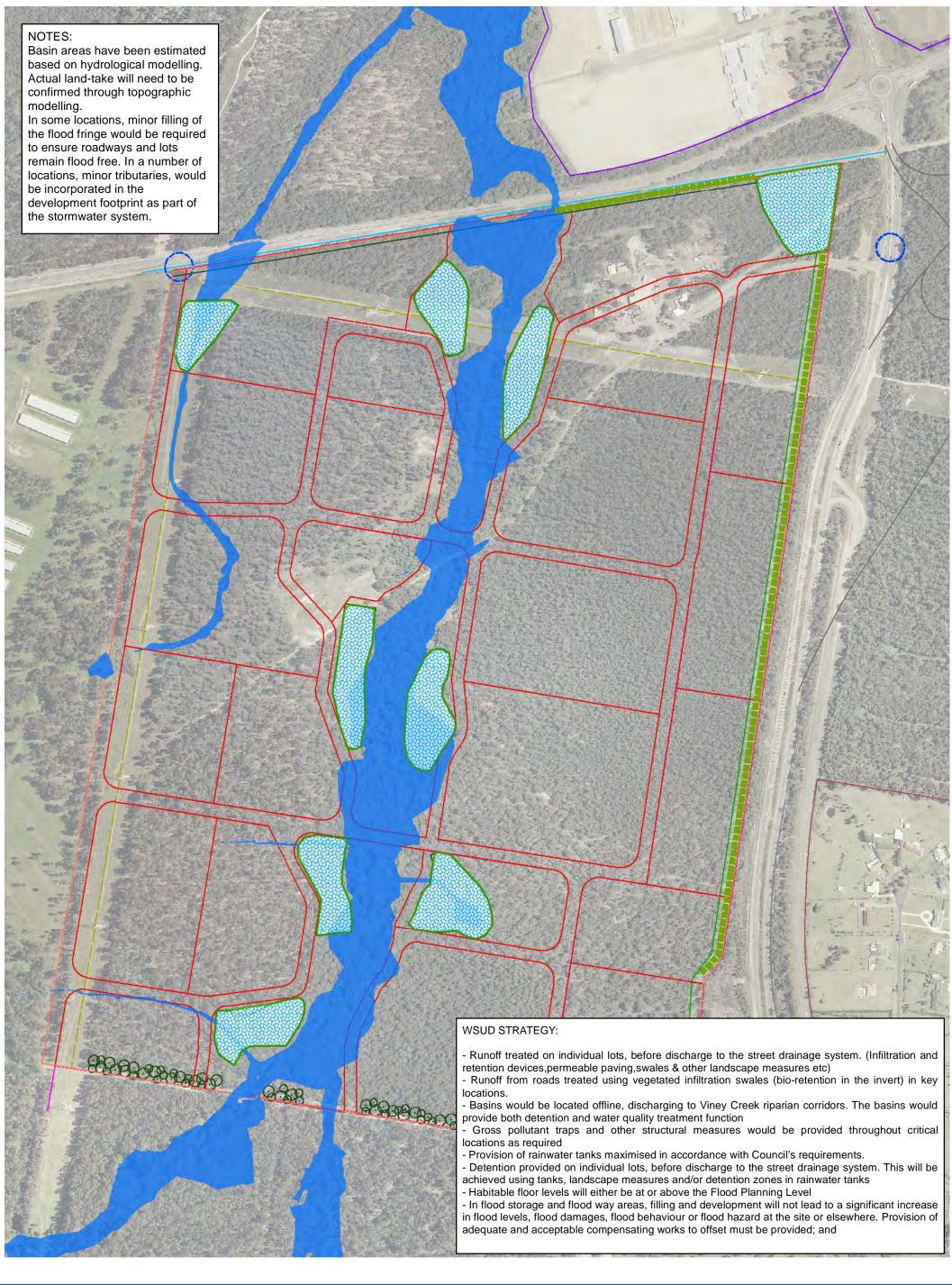
Job Number | 21-16058 Revision

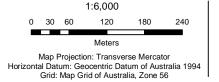
Date 2nd Oct 2009



Appendix C

Water Sensitive Urban Design Strategy









Coal and Allied Report for Lower Hunter Lands

Project - Phase 2 Water Sensitive Urban **Design Strategy**

Job Number 21-16058 Revision Date | 14 Feb 2011

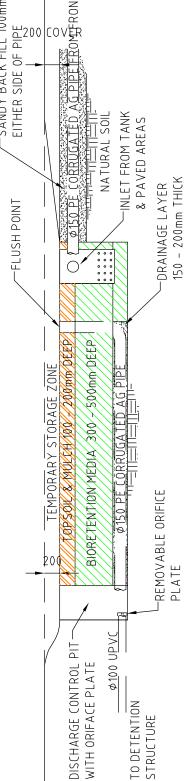
Figure 1

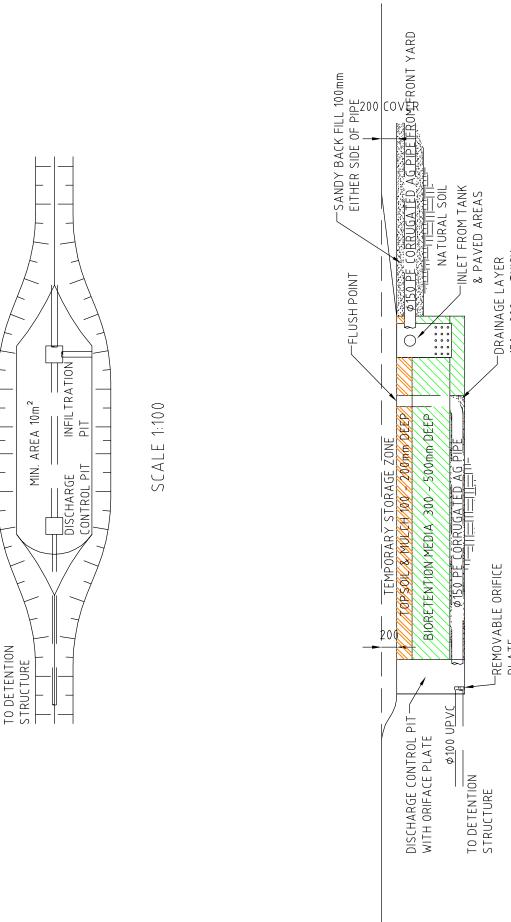
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Appendix D

Typical on-lot Stormwater Management Configuration





CLIENTS | PEOPLE | PERFORMANCE

COAL & ALLIED SOUTHERN ESTATES CATHERINE HILL **BIORETENTION AREA DETAIL**

job no. 21-16058 rev no. A

SCALE 1:200



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Document Status

Rev No.	Author	Reviewer		Approved for Issue		
		Name	Signature	Name	Signature	Date
Number of DRAFT Versions	R Berg	A number of internal reviews have taken place, on previous versions including a Client's review. Minor changes in all cases		R Berg		Jan, Feb. May Sep 2010
Review of Adequacy	R Berg	Client and Scott Fraser		R Berg		2010.10.23
Review of Adequacy	R Berg	Client and Scott Fraser	minor	R Berg		2011.01.18