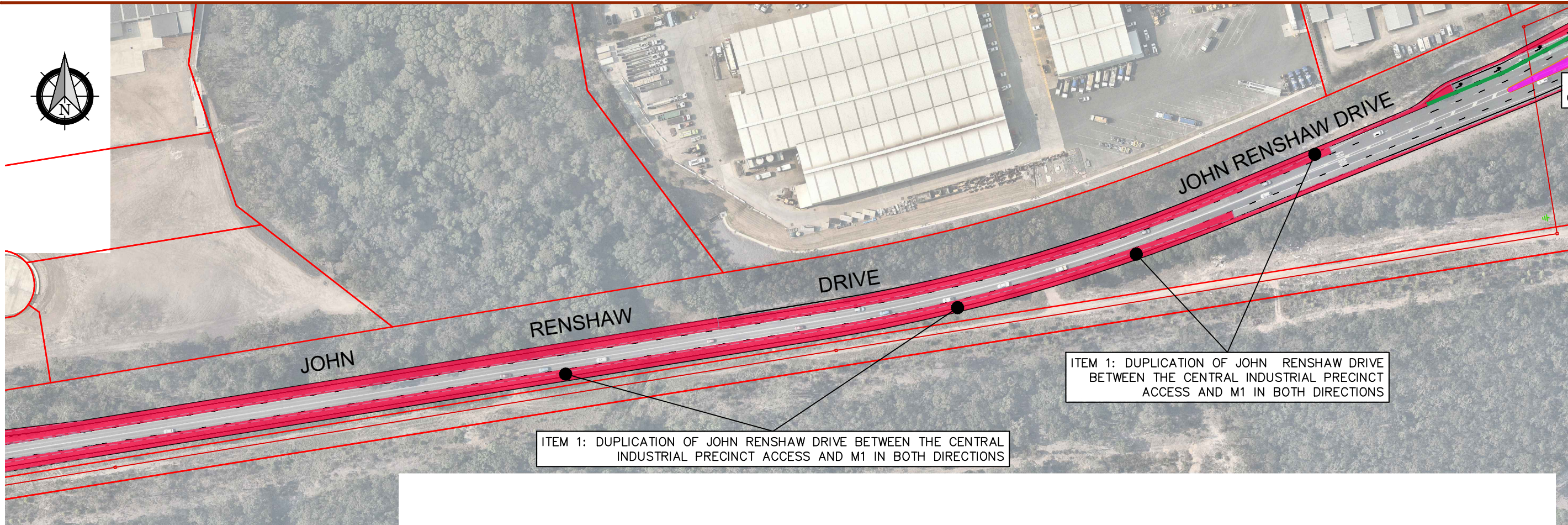


Plotted By: Aiden Van de Mortel | Plot Date: 01/09/20 5:48:30PM | Cod File: N:\239590\DRAWINGS\ENGINEERING\CIVIL\CONCEPT\239590-ESK-103-104-D.DWG
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

239590-ESK-103-104-D

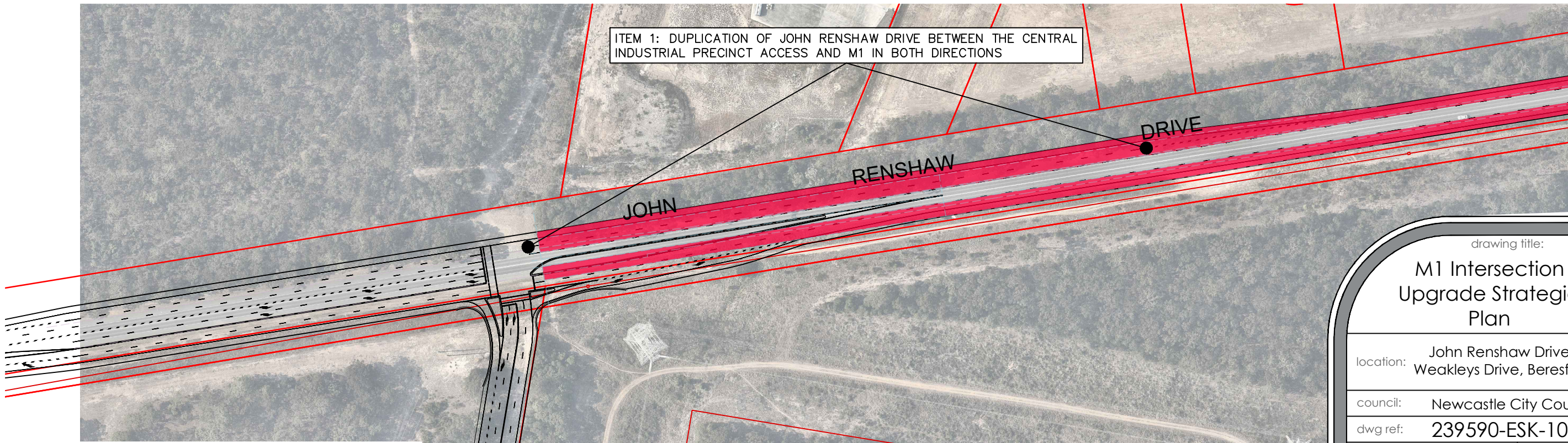
CONTINUATION BELOW



REFER PLAN ESK-104 FOR CONTINUATION

CONTINUATION ABOVE

working beyond expectations



GENERAL NOTES:-
2-Dimensional preliminary strategic design based on aerial imagery and Digital Cadastral Database boundary information;
Proposed road and intersection upgrade works as documented in GTA "Options Testing Report" - Issue A, 29/11/2019;
Full civil works scope subject to detailed design approval.

ver.	date	comment	drawn	pm	level information	scale (A3 original size)	notes
D	21.08.20	LAYOUT AMENDMENT	AV	RK	DATUM: N/A CONTOUR INTERVAL: N/A	0 50 100m SCALE: 1:2000	

• project management • civil engineering • infrastructure • superintendency • social impact • town planning • surveying • development feasibility • visualisation • urban design

drawing title:

M1 Intersection Upgrade Strategic Plan

location: John Renshaw Drive - Weakleys Drive, Beresfield

council: Newcastle City Council

dwg ref: 239590-ESK-103

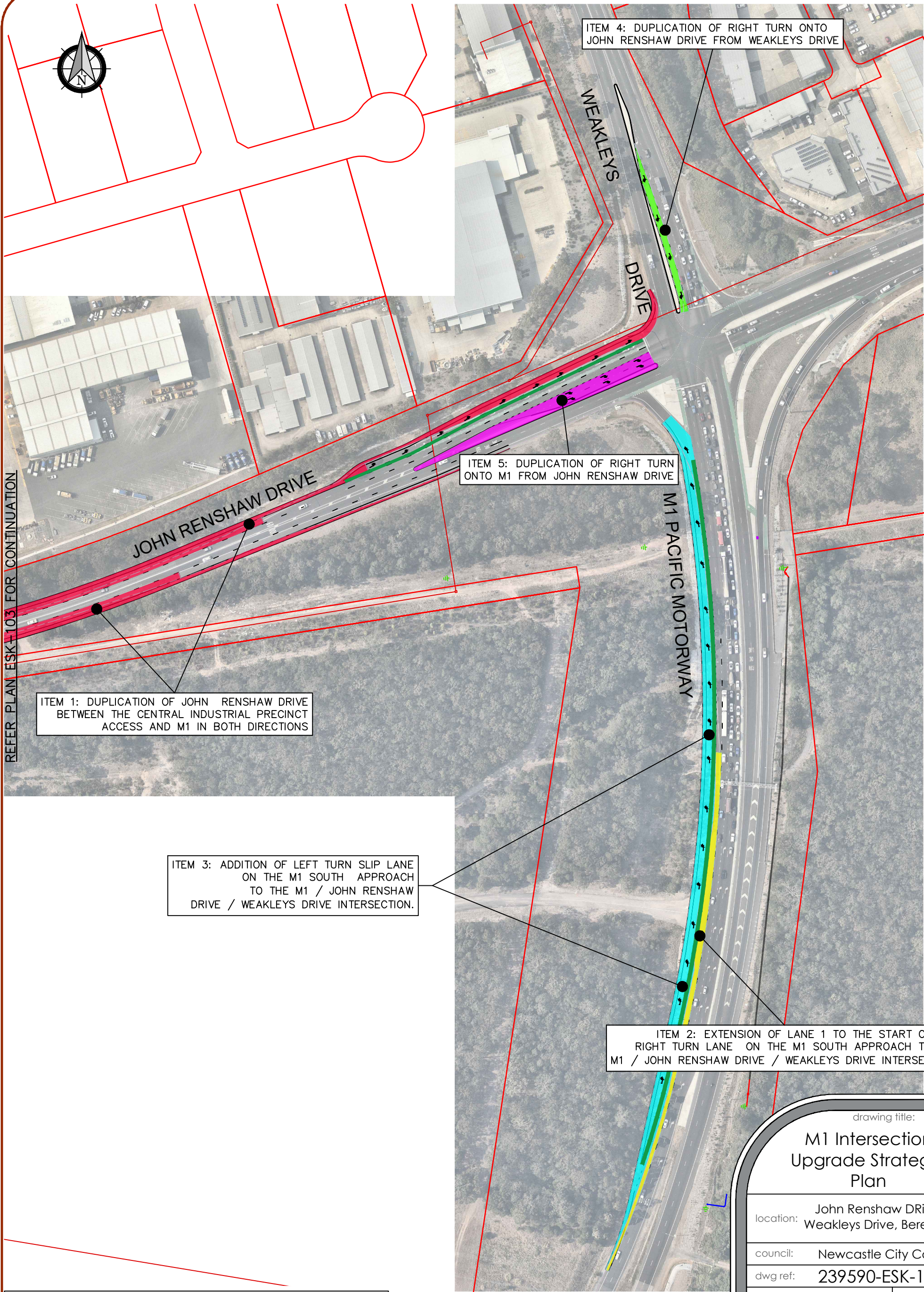
client:

**BROADEN
MANAGEMENT
PTY LTD**



central coast office ph: (02) 4305 4300
hunter office ph: (02) 4978 5100
sydney office ph: (02) 8046 7411

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GENERAL NOTES:-
2-Dimensional preliminary strategic design based on aerial imagery and Digital Cadastral Database boundary information;
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working beyond expectations

drawing title:

M1 Intersection Upgrade Strategic Plan

location: John Renshaw Drive - Weakleys Drive, Beresfield

council: Newcastle City Council

dwg ref: 239590-ESK-104

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JOHN RENSHAW DRIVE (JRD)/WEAKLEYS DRIVE (WD), BERESFIELD - ESTIMATE OF CONSTRUCTION COSTS						
		Item 1	Item 2	Item 3	Item 4	Item 5
		JRD - Additional lanes between M1 and Central Precinct Acces	M1 - Extension of Lane 1 (south approach)	M1 - Addition of left turn slip lane (south approach)	WD - Duplication of right turn into JRD (north approach)	JRD - Duplication of right turn onto M1 (west approach)
No	Description	Amount	Amount	Amount	Amount	Amount
CONSTRUCTION						
1	GENERAL	\$ 470,000	\$ 440,000	\$ 545,000	\$ 325,000	\$ 375,000
2	TRAFFIC MANAGEMENT	\$ 200,000	\$ 250,000	\$ 150,000	\$ 200,000	\$ 250,000
3	EARTHWORKS	\$ 280,000	\$ 110,000	\$ 185,000	\$ 20,000	\$ 25,000
4	ROADWORKS	\$ 1,774,490	\$ 140,518	\$ 471,024	\$ 88,084	\$ 63,454
5	STORMWATER	\$ 480,000	\$ 60,000	\$ 60,000	\$ 80,000	\$ 40,000
6	EROSION AND SEDIMENT CONTROL	\$ 15,000	\$ 5,000	\$ 10,000	\$ 5,000	\$ 5,000
7	ANCILLARY	\$ 35,000	\$ 117,500	\$ 20,000	\$ 20,000	\$ 20,000
8	STREET LIGHTING	\$ 200,000	\$ 60,000	\$ 80,000	\$ 25,000	\$ 25,000
9	TRAFFIC CONTROL SIGNALS	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
	CONSTRUCTION SUB TOTAL	\$ 3,504,490	\$ 1,233,018	\$ 1,571,024	\$ 813,084	\$ 853,454
PROJECT MANAGEMENT						
1	WAD ADMINISTRATION & CONCEPT DESIGN	\$ 117,000	\$ 117,000	\$ 122,000	\$ 117,000	\$ 117,000
2	DETAILED DESIGN ACCEPTANCE	\$ 50,000	\$ 37,500	\$ 55,000	\$ 52,500	\$ 52,500
3	CONSTRUCTION APPROVAL	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
4	CONSTRUCTION MANAGEMENT	\$ 35,000	\$ 35,000	\$ 30,000	\$ 30,000	\$ 30,000
	PROJECT MANAGEMENT SUB TOTAL	\$ 252,000	\$ 239,500	\$ 257,000	\$ 249,500	\$ 249,500
SUB TOTAL - CONSTRUCTION + PM						
		\$ 3,756,490	\$ 1,472,518	\$ 1,828,024	\$ 1,062,584	\$ 1,102,954
CONTINGENCY						
		\$ 1,126,947	\$ 441,756	\$ 548,407	\$ 318,775	\$ 330,886
SUB TOTAL (incl contingency)						
		\$ 4,883,437	\$ 1,914,274	\$ 2,376,431	\$ 1,381,359	\$ 1,433,841
GST						
		\$ 488,344	\$ 191,427	\$ 237,643	\$ 138,136	\$ 143,384
TOTAL (incl GST)						
		\$ 5,371,781	\$ 2,105,701	\$ 2,614,074	\$ 1,519,495	\$ 1,577,225
TOTAL - ALL WORKS (incl GST)						
		\$13,188,277				

EXCLUSIONS / QUALIFICATIONS

Estimate of construction costs has been Strategic Design layout prepared by ADWJ REF: 239590-ESK-103-104-D . Detailed investigations will be required as part of the Detailed Design process.

Estimate of construction costs has been prepared on the assumption that the existing road pavement is in a suitable condition, and will not require reconstruction as part of the intersection works Scope of works included in this estimate of construction costs based on a desktop investigation only

The overall intersection scope will be subject to Concept and Detail Design Acceptance from TfNSW through a Works Authorisation Deed (WAD) process.

No allowance has been made for sub consultant fees associated with the design and approval phase

No allowance has been made for any land acquisition costs, if required