

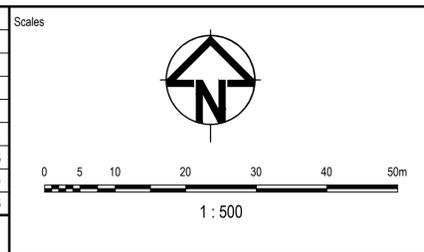
PAVEMENT COMPOSITION				
PAVEMENT COURSE	PRIMARY ARTERIAL	SECONDARY ARTERIAL	CONNECTOR BOULEVARD	CONNECTOR STREET
ASPHALT WEARING COURSE	40	40	40	40
ASPHALT INTERMEDIATE COURSE	75	60	60	60
ASPHALT BASE COURSE	90	75	75	75
PRIME	10	10	10	10
CTCR BASE	150	150	150	150
FCR BASE	150	150	N/A	N/A
SELECT SUB-BASE COURSE	200	150	200	200
CONSTRUCTION LAYER	150	150	150	150
TOTAL DEPTH (mm)	865	785	685	685

INFRASTRUCTURE - OPINION OF COST  
INTERSECTION IN-01

Item	Description	Quantity	Unit	Rate (\$)	Amount (\$)
<b>SITING AND EARTHWORKS</b>					
	Site Preparation	6,480	%	\$ 7.50	\$ 48,600.00
	Earthworks	3,888	m3	\$ 58.00	\$ 225,600.00
<b>ROAD PAVEMENT</b>					
	Primary Arterial Pavement	0	m2	\$ 202.00	\$ -
	Secondary Arterial Pavement	1,570	m2	\$ 184.00	\$ 288,900.00
	Collector Arterial Pavement	320	m2	\$ 163.00	\$ 52,200.00
	Pavement Rehab	0	m2	\$ 60.00	\$ -
	Pavement Other	0	m2	\$ -	\$ -
<b>CONCRETE WORKS</b>					
	Kerb and Channel	595	m	\$ 64.00	\$ 38,100.00
	Cycle Path	100	m2	\$ 80.00	\$ 8,000.00
	SUP/ Footpath	190	m2	\$ 80.00	\$ 15,200.00
	Traffic Island	155	m2	\$ 85.00	\$ 13,200.00
<b>STORMWATER DRAINAGE</b>					
	Drainage Pipe 300mm CR Billed	0	m	\$ 370.00	\$ -
	Drainage Pipe 375mm CR Billed	210	m	\$ 490.00	\$ 102,900.00
	Drainage Pipe 450mm CR Billed	20	m	\$ 540.00	\$ 10,800.00
	Drainage Pipe 525mm CR Billed	0	m	\$ 720.00	\$ -
	Drainage Pipe 600mm CR Billed	30	m	\$ 920.00	\$ 27,600.00
	Drainage - pits	14	No.	\$ 3,800.00	\$ 53,200.00
	Drainage - Sub-soil drainage	595	m	\$ 35.00	\$ 20,900.00
	Drainage Culvert		No.	\$ -	\$ -
<b>TRAFFIC SIGNALS</b>					
	Traffic Signals	0	Set Per Intersection arm	\$ 150,000.00	\$ -
	Traffic Signal Conduit	0	m	\$ 60.00	\$ -
<b>LANDSCAPING</b>					
	Tree Planting	60	No.	\$ 316.00	\$ 19,000.00
	Landscaping	201	m2	\$ 29.00	\$ 5,900.00
	Topsoil Seeding	2,562	m2	\$ 7.00	\$ 18,000.00
<b>STREET LIGHTING</b>					
	Street Lighting (all Inclusive)	200	m	\$ 396.00	\$ 79,200.00
	Street Lighting - Intersections	0	Set Per Intersection arm	\$ -	\$ -
<b>OTHER</b>					
	Regulatory Signage	50	No.	\$ 450.00	\$ 22,500.00
	Linemarking	1,890	m2 of pavement	\$ 4.00	\$ 7,600.00
	Landscaping maintenance	1		\$ 90,000.00	\$ 90,000.00
	Tactile Pavers (Hazard only)	10	No.	\$ 420.00	\$ 4,200.00
<b>GAURDFENCE</b>					
	WRSB		lm	\$ 130.00	\$ -
	W-Beam		lm	\$ 130.00	\$ -
	Terminal		No.	\$ 5,521.00	\$ -
<b>OVERHEADS</b>					
	Surveying and Design		%	8	\$ 92,200.00
	Contingency		%	15	\$ 172,800.00
	Traffic Management		%	2	\$ 23,100.00
	Supervision and Project management		%	9	\$ 103,700.00
	Council Fees		%	5	\$ 57,600.00
	VicRoads Fees		%	6	\$ 69,100.00
	Environmental Management		%	8	\$ 92,200.00
<b>CAPITAL COST</b>					<b>\$ 1,151,600.00</b>
<b>OVERHEADS COST</b>					<b>\$ 610,700.00</b>
<b>TOTAL ESTIMATED CONSTRUCTION</b>					<b>\$ 1,762,300.00</b>

- NOTES:**
- COSTINGS ARE BASED ON THE INTERSECTION LAYOUT PLANS AS PREPARED BY TRAFFIX GROUP.
  - ALL COSTS EXCLUDE GST.
  - COSTS DETERMINED USING TYPICAL CONSTRUCTION RATES FROM SIMILAR PROJECTS
  - PAVEMENT DESIGN IS INDICATIVE ONLY, SUBJECT TO GEOTECHNICAL INVESTIGATION AND DESIGN
  - COSTING IS FOR DESIGN ELEMENT ONLY, NO ALLOWANCE FOR GREATER CONNECTIVITY TO STORMWATER SIZING. NO ALLOWANCE HAS BEEN MADE FOR OVERLAND FLOW OR ONSITE DETENTION OF FLOW
  - ASSUMED LANDSCAPING EXTENTS TO BE THE BOUNDARY, FOOTWAY OR WHERE NEITHER EXIST 6m FROM BACK OF KERB
  - NO ALLOWANCE FOR UTILITIES

Issue	Description	DR	CH	VE	Date
03	UPDATES FOR COST CLARIFICATIONS	IO	JR	AD	31.07.25
02	UPDATES FOR INTERSECTION 07 INCLUSION	JR	JR	SD	13.06.25
01	FOR INFORMATION	CM	JR	JR	18.03.25



Surveyor: -  
Client: BACCHUS MARSH DEVELOPMENTS  
Architect: -

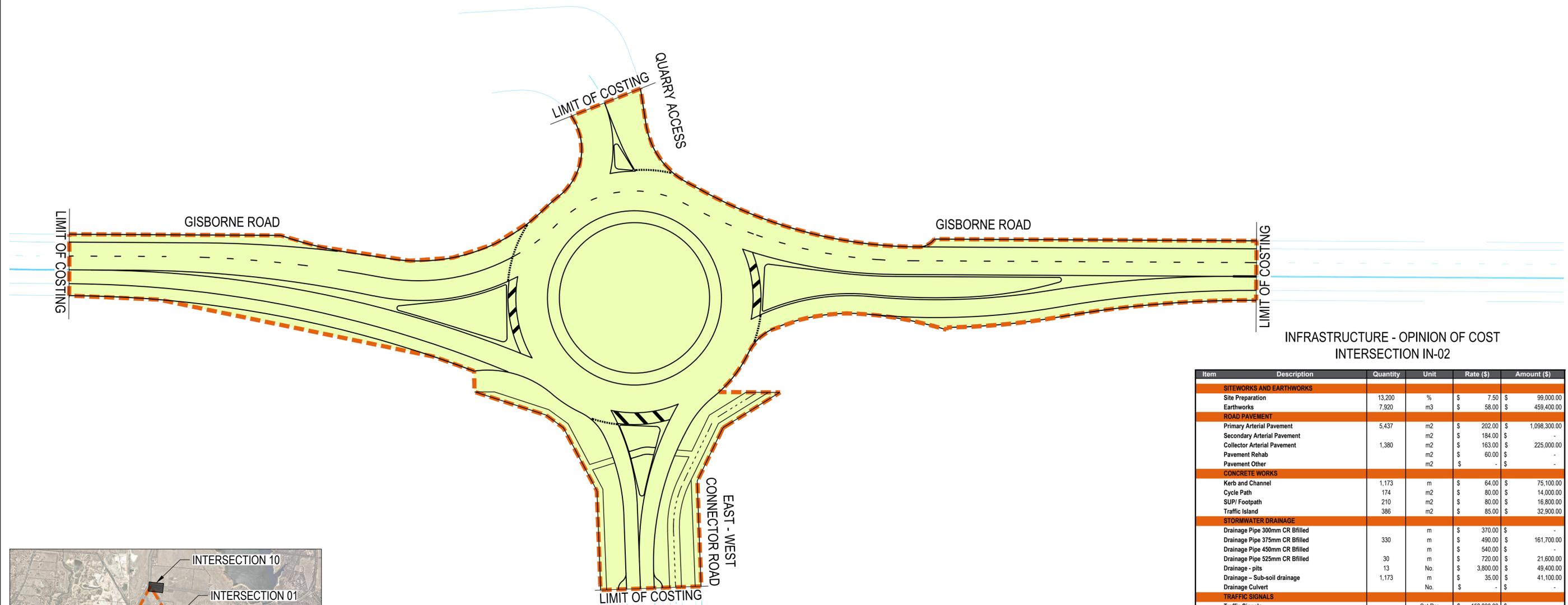
Status: FOR INFORMATION  
NOT TO BE USED FOR CONSTRUCTION  
© Copyright reserved

Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	J.ROCK	Height Datum	
Project Manager	C.PERKINS	Grid	
Verified	S.DUNSTONE		

Project: MERRIMU PRECINCT  
BENCES ROAD / DODEMAIDE CIRCUIT / NORTH-SOUTH CONNECTOR ROAD 1  
INTERSECTION 01

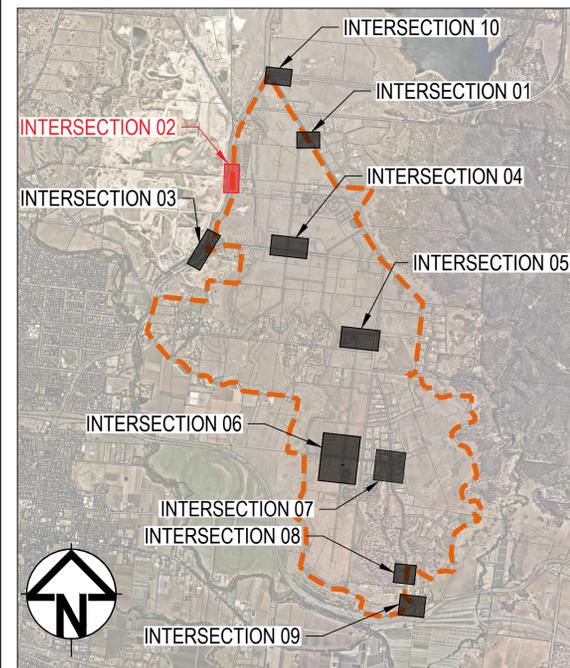
Arcadis Australia Pacific Pty Limited  
Level 18, Queen & Collins Tower  
376-390 Collins Street  
MELBOURNE VIC 3000 Australia  
ABN 76 104 485 289  
Tel No: +61 3 8623 4000  
www.arcadis.com/au

Project Number: 30265493  
Drawing No: MMU-AAP-MP-00-DRG-CI-0311  
Issue: 03



INFRASTRUCTURE - OPINION OF COST  
INTERSECTION IN-02

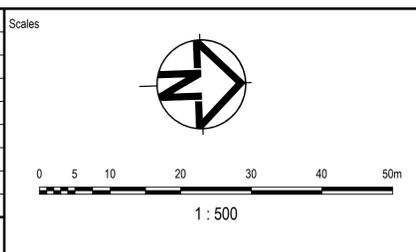
Item	Description	Quantity	Unit	Rate (\$)	Amount (\$)
<b>SITWORKS AND EARTHWORKS</b>					
	Site Preparation	13,200	%	\$ 7.50	\$ 99,000.00
	Earthworks	7,920	m3	\$ 58.00	\$ 459,400.00
<b>ROAD PAVEMENT</b>					
	Primary Arterial Pavement	5,437	m2	\$ 202.00	\$ 1,098,300.00
	Secondary Arterial Pavement		m2	\$ 184.00	\$ -
	Collector Arterial Pavement	1,380	m2	\$ 163.00	\$ 225,000.00
	Pavement Rehab		m2	\$ 60.00	\$ -
	Pavement Other		m2	\$ -	\$ -
<b>CONCRETE WORKS</b>					
	Kerb and Channel	1,173	m	\$ 64.00	\$ 75,100.00
	Cycle Path	174	m2	\$ 80.00	\$ 14,000.00
	SUP/ Footpath	210	m2	\$ 80.00	\$ 16,800.00
	Traffic Island	386	m2	\$ 85.00	\$ 32,900.00
<b>STORMWATER DRAINAGE</b>					
	Drainage Pipe 300mm CR Filled		m	\$ 370.00	\$ -
	Drainage Pipe 375mm CR Filled	330	m	\$ 490.00	\$ 161,700.00
	Drainage Pipe 450mm CR Filled		m	\$ 540.00	\$ -
	Drainage Pipe 525mm CR Filled	30	m	\$ 720.00	\$ 21,600.00
	Drainage - pits	13	No.	\$ 3,800.00	\$ 49,400.00
	Drainage - Sub-soil drainage	1,173	m	\$ 35.00	\$ 41,100.00
	Drainage Culvert		No.	\$ -	\$ -
<b>TRAFFIC SIGNALS</b>					
	Traffic Signals		Set Per Intersection arm	\$ 150,000.00	\$ -
	Traffic Signal Conduit		m		\$ -
<b>LANDSCAPING</b>					
	Tree Planting	340	No.	\$ 316.00	\$ 107,500.00
	Landscaping	1,135	m2	\$ 29.00	\$ 33,000.00
	Topsoil Seeding	8,537	m2	\$ 7.00	\$ 59,800.00
<b>STREET LIGHTING</b>					
	Street Lighting (all Inclusive)	461	m	\$ 396.00	\$ 182,600.00
	Street Lighting - Intersections	0	Set Per Intersection arm	\$ -	\$ -
<b>OTHER</b>					
	Regulatory Signage	50	No.	\$ 450.00	\$ 22,500.00
	Linemarking	6,817	m2 of pavement	\$ 4.00	\$ 27,300.00
	Landscape maintenance	1		\$ 90,000.00	\$ 90,000.00
	Tactile Pavers (Hazard only)	10	No.	\$ 420.00	\$ 4,200.00
<b>GAURDFENCE</b>					
	WRSB		lm	\$ 130.00	\$ -
	W-Beam		lm	\$ 130.00	\$ -
	Terminal		No.	\$ 5,521.00	\$ -
<b>OVERHEADS</b>					
	Surveying and Design		%	8	\$ 225,700.00
	Contingency		%	15	\$ 423,200.00
	Traffic Management		%	2	\$ 56,500.00
	Supervision and Project management		%	9	\$ 254,000.00
	Council Fees		%	5	\$ 141,100.00
	VicRoads Fees		%	6	\$ 169,300.00
	Environmental Management		%	8	\$ 225,700.00
	<b>CAPITAL COST</b>				\$ 2,821,200.00
	<b>OVERHEADS COST</b>				\$ 1,485,500.00
	<b>TOTAL ESTIMATED CONSTRUCTION COST</b>				\$ 4,316,700.00



PAVEMENT COURSE	PRIMARY ARTERIAL	SECONDARY ARTERIAL	CONNECTOR BOULEVARD	CONNECTOR STREET
ASPHALT WEARING COURSE	40	40	40	40
ASPHALT INTERMEDIATE COURSE	75	60	60	60
ASPHALT BASE COURSE	90	75	75	75
PRIME	10	10	10	10
CTCR BASE	150	150	150	150
FCR BASE	150	150	N/A	N/A
SELECT SUB-BASE COURSE	200	150	200	200
CONSTRUCTION LAYER	150	150	150	150
<b>TOTAL DEPTH (mm)</b>	<b>865</b>	<b>785</b>	<b>685</b>	<b>685</b>

- NOTES:**
- COSTINGS ARE BASED ON THE INTERSECTION LAYOUT PLANS AS PREPARED BY TRAFFIX GROUP.
  - ALL COSTS EXCLUDE GST.
  - COSTS DETERMINED USING TYPICAL CONSTRUCTION RATES FROM SIMILAR PROJECTS
  - PAVEMENT DESIGN IS INDICATIVE ONLY, SUBJECT TO GEOTECHNICAL INVESTIGATION AND DESIGN
  - COSTING IS FOR DESIGN ELEMENT ONLY, NO ALLOWANCE FOR GREATER CONNECTIVITY TO STORMWATER SIZING. NO ALLOWANCE HAS BEEN MADE FOR OVERLAND FLOW OR ONSITE DETENTION OF FLOW
  - ASSUMED LANDSCAPING EXTENTS TO BE THE BOUNDARY, FOOTWAY OR WHERE NEITHER EXIST 6m FROM BACK OF KERB
  - NO ALLOWANCE FOR UTILITIES

Issue	Description	DR	CH	VE	Date
03	UPDATES FOR COST CLARIFICATIONS	IO	JR	AD	31.07.25
02	UPDATES FOR INTERSECTION 07 INCLUSION	JR	JR	SD	13.06.25
01	FOR INFORMATION	CM	JR	JR	18.03.25



Surveyor: -  
Client: BACCHUS MARSH DEVELOPMENTS  
Architect: -

Status: FOR INFORMATION NOT TO BE USED FOR CONSTRUCTION  
© Copyright reserved  
Original Issue Signatures: -  
Drawn: C.MENEZ  
Designed: J.ROCK  
Project Manager: C.PERKINS  
Verified: S.DUNSTONE

Project: MERRIMU PRECINCT  
Title: GISBORNE ROAD / QUARRY ACCESS / EAST-WEST CONNECTOR ROAD INTERSECTION 02  
Original Size: A1  
Height Datum: -  
Grid: -

Arcadis Australia Pacific Pty Limited  
Level 18, Queen & Collins Tower  
376-390 Collins Street  
MELBOURNE VIC 3000 Australia  
ABN 76 104 485 289  
Tel No: +61 3 8623 4000  
www.arcadis.com/au

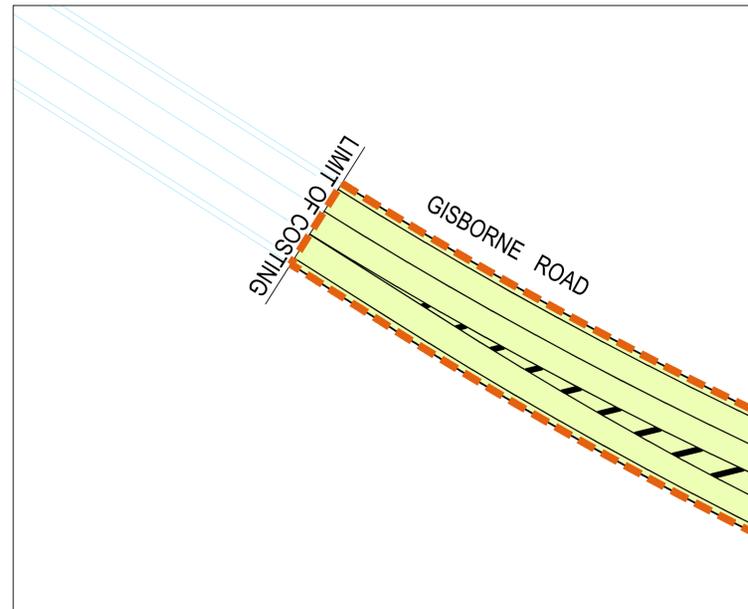
Project Number: 30265493  
Drawing No: MMU-AAP-MP-00-DRG-CI-0312  
Issue: 03

INFRASTRUCTURE - OPINION OF COST  
INTERSECTION IN-03

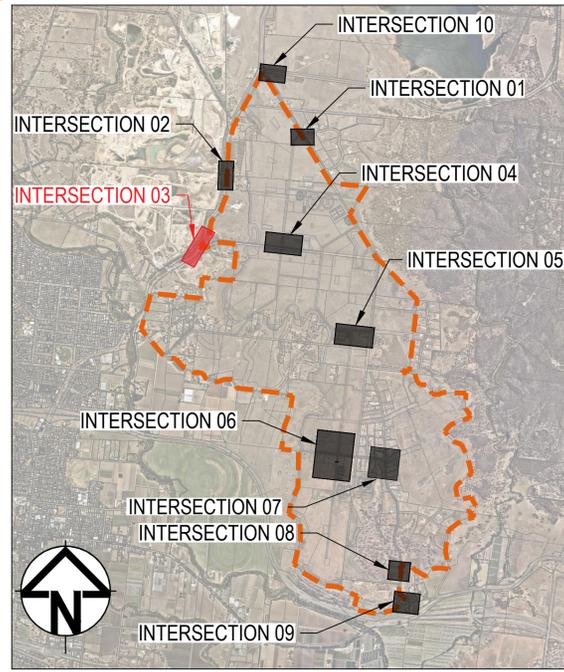
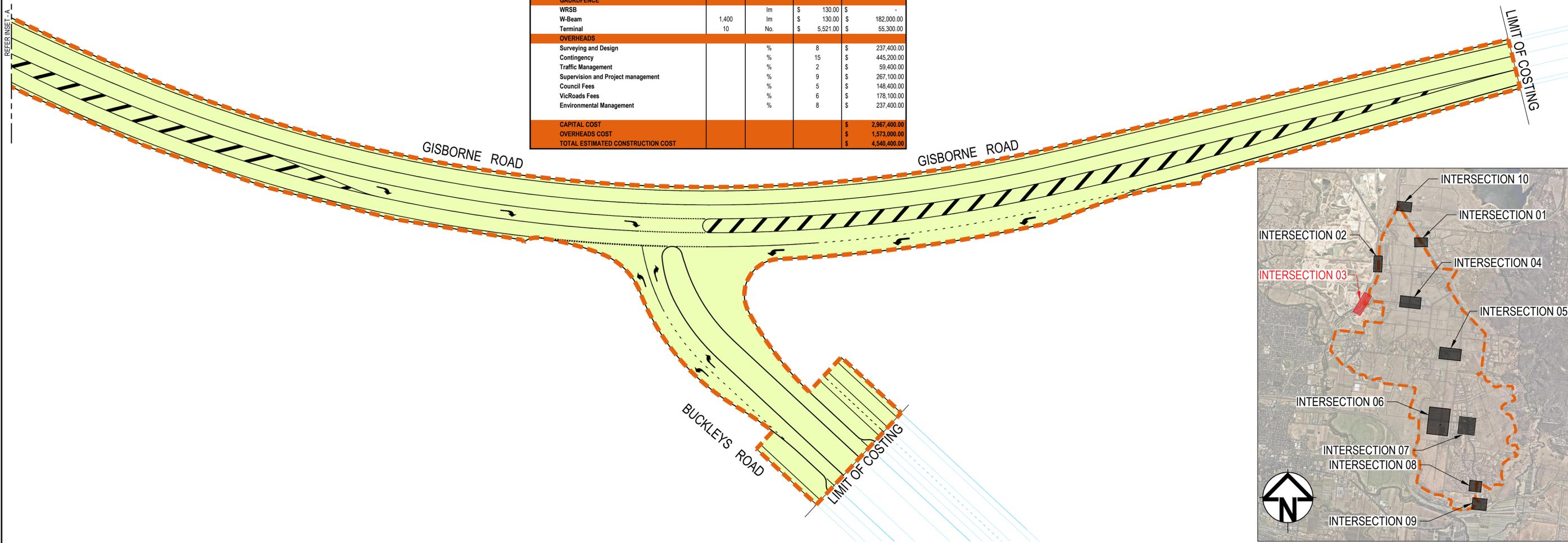
Item	Description	Quantity	Unit	Rate (\$)	Amount (\$)
<b>SITWORKS AND EARTHWORKS</b>					
Site Preparation		11,040	%	\$ 7.50	\$ 82,800.00
Earthworks		6,624	m3	\$ 58.00	\$ 384,200.00
<b>ROAD PAVEMENT</b>					
Primary Arterial Pavement		7,453	m2	\$ 202.00	\$ 1,505,600.00
Secondary Arterial Pavement		960	m2	\$ 184.00	\$ 176,700.00
Collector Arterial Pavement			m2	\$ 163.00	\$ -
Pavement Rehab			m2	\$ 60.00	\$ -
Pavement Other			m2	\$ -	\$ -
<b>CONCRETE WORKS</b>					
Kerb and Channel		427	m	\$ 64.00	\$ 27,400.00
Cycle Path		63	m2	\$ 80.00	\$ 5,100.00
SUP/ Footpath		32	m2	\$ 80.00	\$ 2,600.00
Traffic Island			m2	\$ 85.00	\$ -
<b>STORMWATER DRAINAGE</b>					
Drainage Pipe 300mm CR Bfilled			m	\$ 370.00	\$ -
Drainage Pipe 375mm CR Bfilled		90	m	\$ 490.00	\$ 44,100.00
Drainage Pipe 450mm CR Bfilled			m	\$ 540.00	\$ -
Drainage Pipe 525mm CR Bfilled		135	m	\$ 720.00	\$ 97,200.00
Drainage - pits		5	No.	\$ 3,800.00	\$ 19,000.00
Drainage - Sub-soil drainage		427	m	\$ 35.00	\$ 15,000.00
Drainage Culvert			No.	\$ -	\$ -
<b>TRAFFIC SIGNALS</b>					
Traffic Signals			Set Per Intersection arm	\$ 150,000.00	\$ -
Traffic Signal Conduit			m	\$ -	\$ -
<b>LANDSCAPING</b>					
Tree Planting		0	No.	\$ 316.00	\$ -
Landscaping		0	m2	\$ 29.00	\$ -
Topsail Seeding		683	m2	\$ 7.00	\$ 4,800.00
<b>STREET LIGHTING</b>					
Street Lighting (all Inclusive)		560	m	\$ 396.00	\$ 221,800.00
Street Lighting - Intersections		0	Set Per Intersection arm	\$ -	\$ -
<b>OTHER</b>					
Regulatory Signage		40	No.	\$ 450.00	\$ 18,000.00
Linemarking		8,413	m2 of pavement	\$ 4.00	\$ 33,700.00
Landscape maintenance		1		\$ 90,000.00	\$ 90,000.00
Tactile Pavers (Hazard only)		5	No.	\$ 420.00	\$ 2,100.00
<b>GAURDFENCE</b>					
WRSB			lm	\$ 130.00	\$ -
W-Beam		1,400	lm	\$ 130.00	\$ 182,000.00
Terminal		10	No.	\$ 5,521.00	\$ 55,300.00
<b>OVERHEADS</b>					
Surveying and Design			%	8	\$ 237,400.00
Contingency			%	15	\$ 445,200.00
Traffic Management			%	2	\$ 59,400.00
Supervision and Project management			%	9	\$ 267,100.00
Council Fees			%	5	\$ 148,400.00
VicRoads Fees			%	6	\$ 178,100.00
Environmental Management			%	8	\$ 237,400.00
<b>CAPITAL COST</b>					\$ 2,967,400.00
<b>OVERHEADS COST</b>					\$ 1,573,000.00
<b>TOTAL ESTIMATED CONSTRUCTION COST</b>					\$ 4,540,400.00

PAVEMENT COURSE	PRIMARY ARTERIAL	SECONDARY ARTERIAL	CONNECTOR BOULEVARD	CONNECTOR STREET
ASPHALT WEARING COURSE	40	40	40	40
ASPHALT INTERMEDIATE COURSE	75	60	60	60
ASPHALT BASE COURSE	90	75	75	75
PRIME	10	10	10	10
CTCR BASE	150	150	150	150
FCR BASE	150	150	N/A	N/A
SELECT SUB-BASE COURSE	200	150	200	200
CONSTRUCTION LAYER	150	150	150	150
TOTAL DEPTH (mm)	865	785	685	685

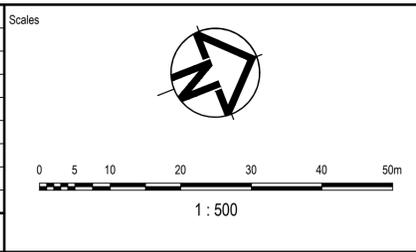
- NOTES:**
- COSTINGS ARE BASED ON THE INTERSECTION LAYOUT PLANS AS PREPARED BY TRAFFIX GROUP.
  - ALL COSTS EXCLUDE GST.
  - COSTS DETERMINED USING TYPICAL CONSTRUCTION RATES FROM SIMILAR PROJECTS
  - PAVEMENT DESIGN IS INDICATIVE ONLY, SUBJECT TO GEOTECHNICAL INVESTIGATION AND DESIGN
  - COSTING IS FOR DESIGN ELEMENT ONLY, NO ALLOWANCE FOR GREATER CONNECTIVITY TO STORMWATER SIZING, NO ALLOWANCE HAS BEEN MADE FOR OVERLAND FLOW OR ONSITE DETENTION OF FLOW
  - ASSUMED LANDSCAPING EXTENTS TO BE THE BOUNDARY, FOOTWAY OR WHERE NEITHER EXIST 6m FROM BACK OF KERB
  - NO ALLOWANCE FOR UTILITIES



INSET - A



Issue	Description	DR	CH	VE	Date
03	UPDATES FOR COST CLARIFICATIONS	IO	JR	AD	31.07.25
02	UPDATES FOR INTERSECTION 07 INCLUSION	JR	JR	SD	13.06.25
01	FOR INFORMATION	CM	JR	JR	18.03.25



Surveyor  
Client  
Architect

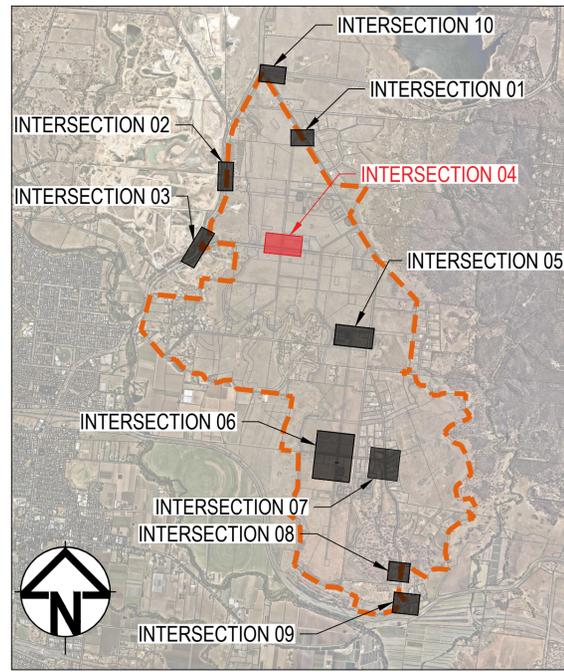
BACCHUS MARSH DEVELOPMENTS

FOR INFORMATION NOT TO BE USED FOR CONSTRUCTION			
© Copyright reserved			
Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	J.ROCK	Height Datum	
Project Manager	C.PERKINS	Grid	
Verified	S.DUNSTONE		

MERRIMU PRECINCT  
GISBORNE ROAD / BUCKLEYS ROAD INTERSECTION 03

Arcadis Australia Pacific Pty Limited  
Level 18, Queen & Collins Tower  
376-390 Collins Street  
MELBOURNE VIC 3000 Australia  
ABN 76 104 485 289  
Tel No: +61 3 8623 4000  
www.arcadis.com/au

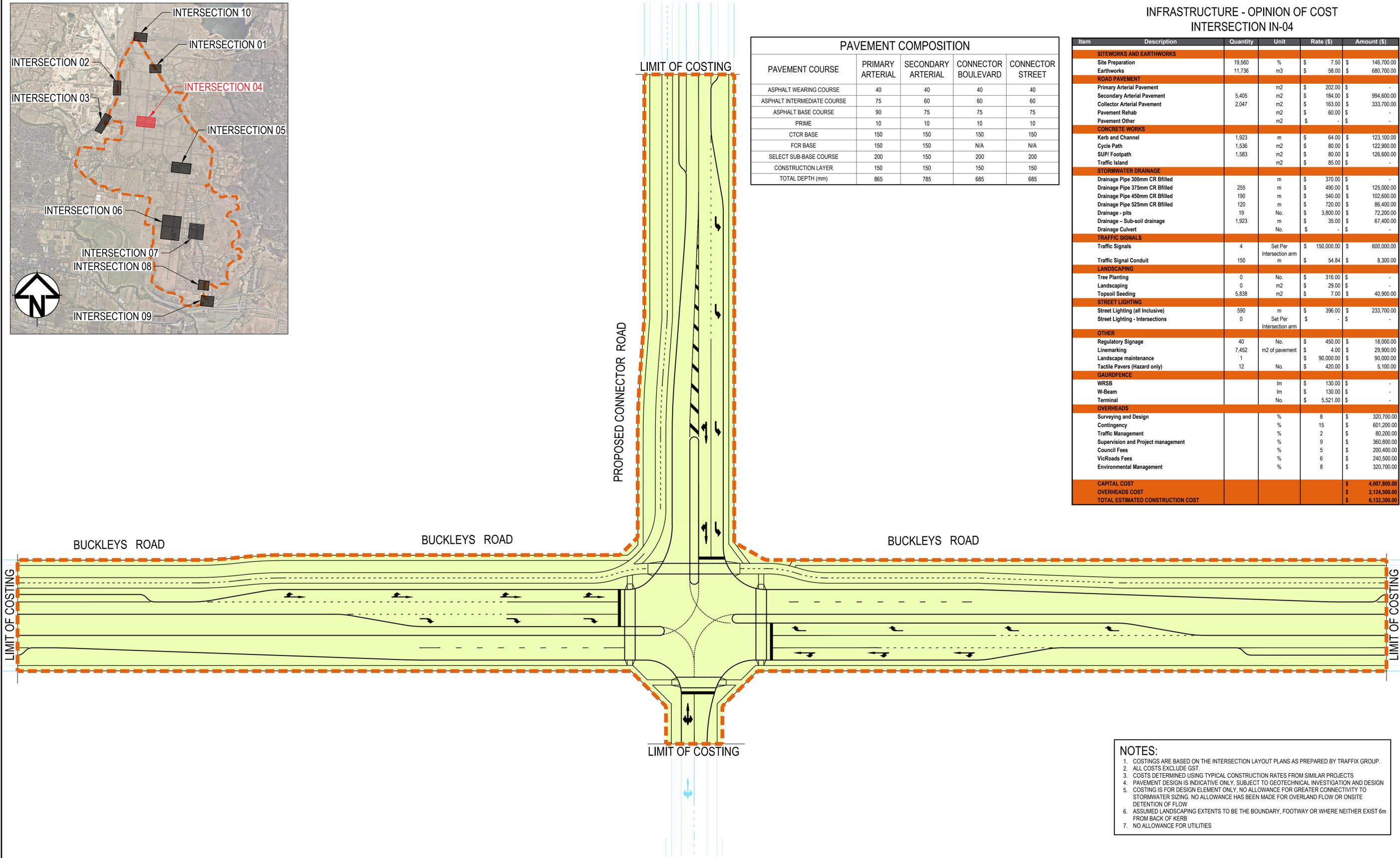
Project Number: 30265493  
Drawing No: MMU-AAP-MP-00-DRG-CI-0313  
Issue: 03



INFRASTRUCTURE - OPINION OF COST  
INTERSECTION IN-04

PAVEMENT COMPOSITION				
PAVEMENT COURSE	PRIMARY ARTERIAL	SECONDARY ARTERIAL	CONNECTOR BOULEVARD	CONNECTOR STREET
ASPHALT WEARING COURSE	40	40	40	40
ASPHALT INTERMEDIATE COURSE	75	60	60	60
ASPHALT BASE COURSE	90	75	75	75
PRIME	10	10	10	10
CTCR BASE	150	150	150	150
FCR BASE	150	150	N/A	N/A
SELECT SUB-BASE COURSE	200	150	200	200
CONSTRUCTION LAYER	150	150	150	150
TOTAL DEPTH (mm)	865	785	685	685

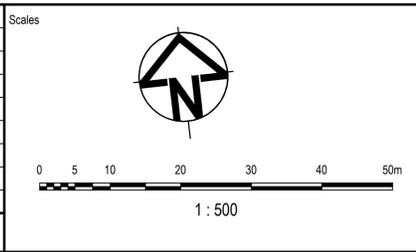
Item	Description	Quantity	Unit	Rate (\$)	Amount (\$)
<b>SITING AND EARTHWORKS</b>					
	Site Preparation	19,560	%	\$ 7.50	\$ 146,700.00
	Earthworks	11,736	m3	\$ 58.00	\$ 680,700.00
<b>ROAD PAVEMENT</b>					
	Primary Arterial Pavement		m2	\$ 202.00	\$ -
	Secondary Arterial Pavement	5,405	m2	\$ 184.00	\$ 994,600.00
	Collector Arterial Pavement	2,047	m2	\$ 163.00	\$ 333,700.00
	Pavement Rehab		m2	\$ 60.00	\$ -
	Pavement Other		m2	\$ -	\$ -
<b>CONCRETE WORKS</b>					
	Kerb and Channel	1,923	m	\$ 64.00	\$ 123,100.00
	Cycle Path	1,536	m2	\$ 80.00	\$ 122,900.00
	SUP/ Footpath	1,583	m2	\$ 80.00	\$ 126,600.00
	Traffic Island		m2	\$ 85.00	\$ -
<b>STORMWATER DRAINAGE</b>					
	Drainage Pipe 300mm CR Bfilled		m	\$ 370.00	\$ -
	Drainage Pipe 375mm CR Bfilled	255	m	\$ 490.00	\$ 125,000.00
	Drainage Pipe 450mm CR Bfilled	190	m	\$ 540.00	\$ 102,600.00
	Drainage Pipe 525mm CR Bfilled	120	m	\$ 720.00	\$ 86,400.00
	Drainage - pits	19	No.	\$ 3,800.00	\$ 72,200.00
	Drainage - Sub-soil drainage	1,923	m	\$ 35.00	\$ 67,400.00
	Drainage Culvert		No.	\$ -	\$ -
<b>TRAFFIC SIGNALS</b>					
	Traffic Signals	4	Set Per Intersection arm	\$ 150,000.00	\$ 600,000.00
	Traffic Signal Conduit	150	m	\$ 54.84	\$ 8,300.00
<b>LANDSCAPING</b>					
	Tree Planting	0	No.	\$ 316.00	\$ -
	Landscaping	0	m2	\$ 29.00	\$ -
	Topsail Seeding	5,838	m2	\$ 7.00	\$ 40,900.00
<b>STREET LIGHTING</b>					
	Street Lighting (all Inclusive)	590	m	\$ 396.00	\$ 233,700.00
	Street Lighting - Intersections	0	Set Per Intersection arm	\$ -	\$ -
<b>OTHER</b>					
	Regulatory Signage	40	No.	\$ 450.00	\$ 18,000.00
	Linemarking	7,452	m2 of pavement	\$ 4.00	\$ 29,900.00
	Landscape maintenance	1		\$ 90,000.00	\$ 90,000.00
	Tactile Pavers (Hazard only)	12	No.	\$ 420.00	\$ 5,100.00
<b>GAURDFENCE</b>					
	WRSB		lm	\$ 130.00	\$ -
	W-Beam		lm	\$ 130.00	\$ -
	Terminal		No.	\$ 5,521.00	\$ -
<b>OVERHEADS</b>					
	Surveying and Design		%	8	\$ 320,700.00
	Contingency		%	15	\$ 601,200.00
	Traffic Management		%	2	\$ 80,200.00
	Supervision and Project management		%	9	\$ 360,800.00
	Council Fees		%	5	\$ 200,400.00
	VicRoads Fees		%	6	\$ 240,500.00
	Environmental Management		%	8	\$ 320,700.00
	<b>CAPITAL COST</b>				\$ 4,007,800.00
	<b>OVERHEADS COST</b>				\$ 2,124,500.00
	<b>TOTAL ESTIMATED CONSTRUCTION COST</b>				\$ 6,132,300.00



**NOTES:**

1. COSTINGS ARE BASED ON THE INTERSECTION LAYOUT PLANS AS PREPARED BY TRAFFIX GROUP.
2. ALL COSTS EXCLUDE GST.
3. COSTS DETERMINED USING TYPICAL CONSTRUCTION RATES FROM SIMILAR PROJECTS
4. PAVEMENT DESIGN IS INDICATIVE ONLY, SUBJECT TO GEOTECHNICAL INVESTIGATION AND DESIGN
5. COSTING IS FOR DESIGN ELEMENT ONLY, NO ALLOWANCE FOR GREATER CONNECTIVITY TO STORMWATER SIZING. NO ALLOWANCE HAS BEEN MADE FOR OVERLAND FLOW OR ONSITE DETENTION OF FLOW
6. ASSUMED LANDSCAPING EXTENTS TO BE THE BOUNDARY, FOOTWAY OR WHERE NEITHER EXIST 6m FROM BACK OF KERB
7. NO ALLOWANCE FOR UTILITIES

Issue	Description	DR	CH	VE	Date
03	UPDATES FOR COST CLARIFICATIONS	IO	JR	AD	31.07.25
02	UPDATES FOR INTERSECTION 07 INCLUSION	JR	JR	SD	13.06.25
01	FOR INFORMATION	CM	JR	JR	18.03.25



Surveyor  
-  
Architect  
-

Client  
BACCHUS MARSH DEVELOPMENTS

FOR INFORMATION NOT TO BE USED FOR CONSTRUCTION			
© Copyright reserved			
Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	J.ROCK	Height Datum	
Project Manager	C.PERKINS	Grid	
Verified	S.DUNSTONE		

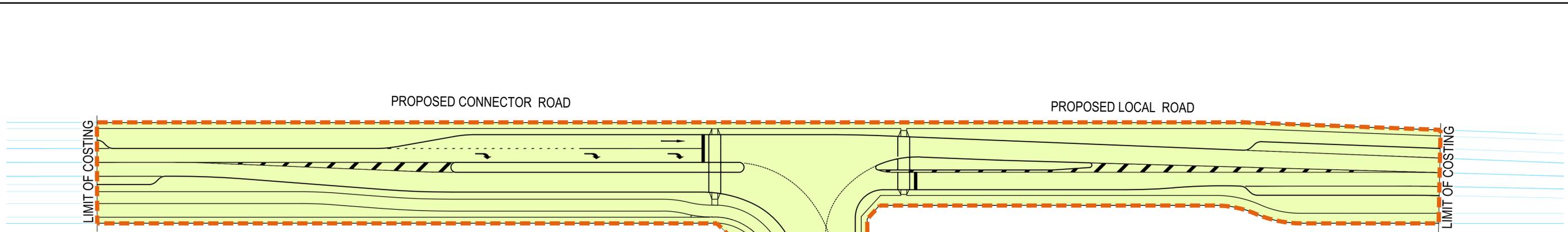
Project  
MERRIMU PRECINCT

Title  
BUCKLEYS ROAD /  
PROPOSED CONNECTOR  
INTERSECTION 04

Arcadis Australia Pacific Pty Limited  
Level 18, Queen & Collins Tower  
376-390 Collins Street  
MELBOURNE VIC 3000 Australia  
ABN 76 104 485 289  
Tel No +61 3 8623 4000  
www.arcadis.com/au

Project Number 30265493  
Issue 03

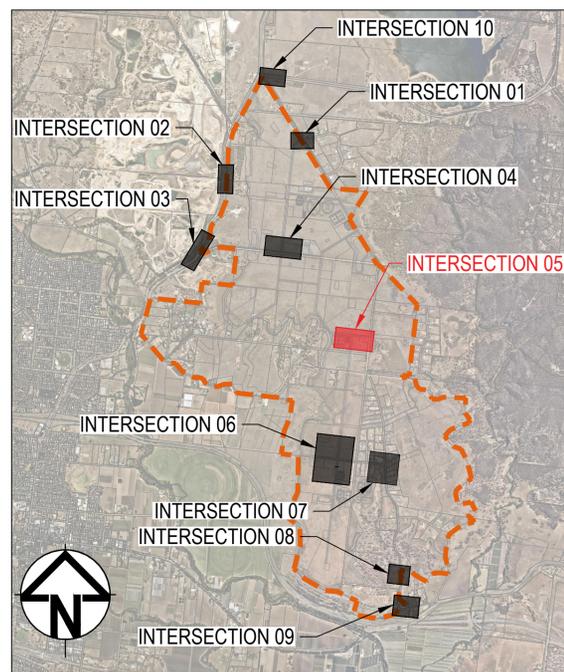
MMU-AAP-MP-00-DRG-CI-0314



**INFRASTRUCTURE - OPINION OF COST  
INTERSECTION IN-05**

Item	Description	Quantity	Unit	Rate (\$)	Amount (\$)
<b>SITWORKS AND EARTHWORKS</b>					
	Site Preparation	15,120	%	\$ 7.50	\$ 113,400.00
	Earthworks	9,072	m3	\$ 58.00	\$ 526,200.00
<b>ROAD PAVEMENT</b>					
	Primary Arterial Pavement		m2	\$ 202.00	\$ -
	Secondary Arterial Pavement		m2	\$ 184.00	\$ -
	Collector Arterial Pavement	5,777	m2	\$ 163.00	\$ 941,700.00
	Pavement Rehab		m2	\$ 60.00	\$ -
	Pavement Other		m2	\$ -	\$ -
<b>CONCRETE WORKS</b>					
	Kerb and Channel	1,548	m	\$ 64.00	\$ 99,100.00
	Cycle Path	1,443	m2	\$ 80.00	\$ 115,500.00
	SUP/ Footpath	1,334	m2	\$ 80.00	\$ 106,700.00
	Traffic Island		m2	\$ 85.00	\$ -
<b>STORMWATER DRAINAGE</b>					
	Drainage Pipe 300mm CR Bfilled		m	\$ 370.00	\$ -
	Drainage Pipe 375mm CR Bfilled	125	m	\$ 490.00	\$ 61,300.00
	Drainage Pipe 450mm CR Bfilled	150	m	\$ 540.00	\$ 81,000.00
	Drainage Pipe 525mm CR Bfilled	170	m	\$ 720.00	\$ 122,400.00
	Drainage - pits	18	No.	\$ 3,800.00	\$ 68,400.00
	Drainage - Sub-soil drainage	1,548	m	\$ 35.00	\$ 54,200.00
	Drainage Culvert		No.	\$ -	\$ -
<b>TRAFFIC SIGNALS</b>					
	Traffic Signals	3	Set Per Intersection arm	\$ 150,000.00	\$ 450,000.00
	Traffic Signal Conduit		m	\$ -	\$ -
<b>LANDSCAPING</b>					
	Tree Planting	0	No.	\$ 316.00	\$ -
	Landscaping	0	m2	\$ 29.00	\$ -
	Topsoil Seeding	4,097	m2	\$ 7.00	\$ 28,700.00
<b>STREET LIGHTING</b>					
	Street Lighting (all inclusive)	537	m	\$ 396.00	\$ 212,700.00
	Street Lighting - Intersections	0	Set Per Intersection arm	\$ -	\$ -
<b>OTHER</b>					
	Regulatory Signage	40	No.	\$ 450.00	\$ 18,000.00
	Linemarking	5,777	m2 of pavement	\$ 4.00	\$ 23,200.00
	Landscape maintenance	1		\$ 90,000.00	\$ 90,000.00
	Tactile Pavers (Hazard only)	15	No.	\$ 420.00	\$ 6,300.00
<b>GAURDFENCE</b>					
	WRSB		lm	\$ 130.00	\$ -
	W-Beam		lm	\$ 130.00	\$ -
	Terminal		No.	\$ 5,521.00	\$ -
<b>OVERHEADS</b>					
	Surveying and Design		%	8	\$ 249,600.00
	Contingency		%	15	\$ 467,900.00
	Traffic Management		%	2	\$ 62,400.00
	Supervision and Project management		%	9	\$ 280,700.00
	Council Fees		%	5	\$ 156,000.00
	VicRoads Fees		%	6	\$ 187,200.00
	Environmental Management		%	8	\$ 249,600.00
	<b>CAPITAL COST</b>				\$ 3,118,800.00
	<b>OVERHEADS COST</b>				\$ 1,653,400.00
	<b>TOTAL ESTIMATED CONSTRUCTION COST</b>				\$ 4,772,200.00

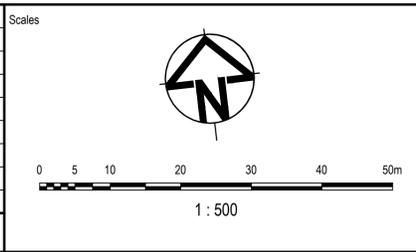
PAVEMENT COURSE	PRIMARY ARTERIAL	SECONDARY ARTERIAL	CONNECTOR BOULEVARD	CONNECTOR STREET
ASPHALT WEARING COURSE	40	40	40	40
ASPHALT INTERMEDIATE COURSE	75	60	60	60
ASPHALT BASE COURSE	90	75	75	75
PRIME	10	10	10	10
CTCR BASE	150	150	150	150
FCR BASE	150	150	N/A	N/A
SELECT SUB-BASE COURSE	200	150	200	200
CONSTRUCTION LAYER	150	150	150	150
TOTAL DEPTH (mm)	865	785	685	685



**NOTES:**

- COSTINGS ARE BASED ON THE INTERSECTION LAYOUT PLANS AS PREPARED BY TRAFFIX GROUP.
- ALL COSTS EXCLUDE GST.
- COSTS DETERMINED USING TYPICAL CONSTRUCTION RATES FROM SIMILAR PROJECTS
- PAVEMENT DESIGN IS INDICATIVE ONLY. SUBJECT TO GEOTECHNICAL INVESTIGATION AND DESIGN
- COSTING IS FOR DESIGN ELEMENT ONLY. NO ALLOWANCE FOR GREATER CONNECTIVITY TO STORMWATER SIZING. NO ALLOWANCE HAS BEEN MADE FOR OVERLAND FLOW OR ONSITE DETENTION OF FLOW
- ASSUMED LANDSCAPING EXTENTS TO BE THE BOUNDARY, FOOTWAY OR WHERE NEITHER EXIST 6m FROM BACK OF KERB
- NO ALLOWANCE FOR UTILITIES

Issue	Description	DR	CH	VE	Date
03	UPDATES FOR COST CLARIFICATIONS	IO	JR	AD	31.07.25
02	UPDATES FOR INTERSECTION 07 INCLUSION	JR	JR	SD	13.06.25
01	FOR INFORMATION	CM	JR	JR	18.03.25



Surveyor	-
Client	BACCHUS MARSH DEVELOPMENTS
Architect	-

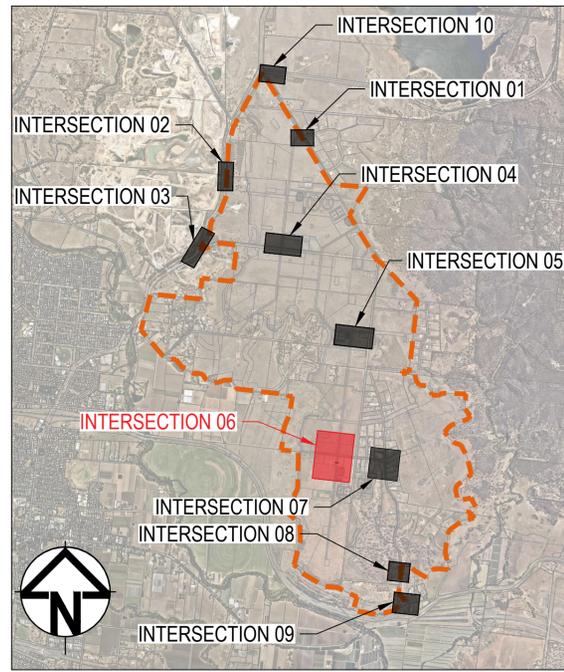
Status			
FOR INFORMATION NOT TO BE USED FOR CONSTRUCTION			
© Copyright reserved			
Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	J.ROCK	Height Datum	
Project Manager	C.PERKINS	Grid	
Verified	S.DUNSTONE		

Project	
MERRIMU PRECINCT	
Title	
PROPOSED CONNECTOR/ CONNECTOR / LOCAL ROAD INTERSECTION 05	

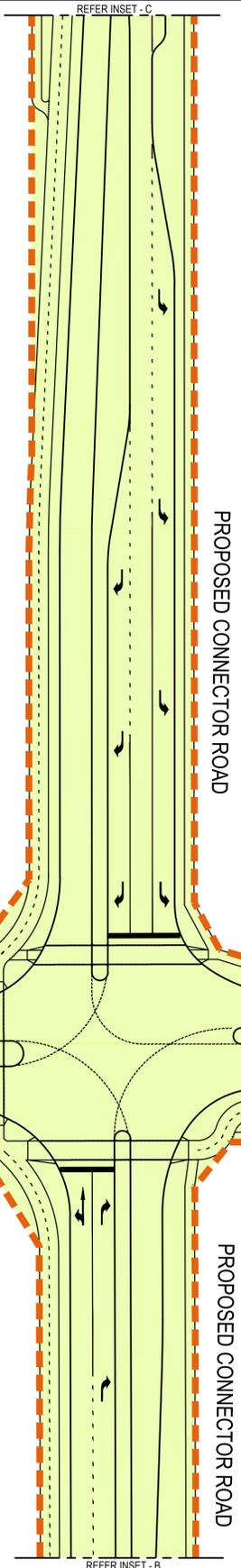
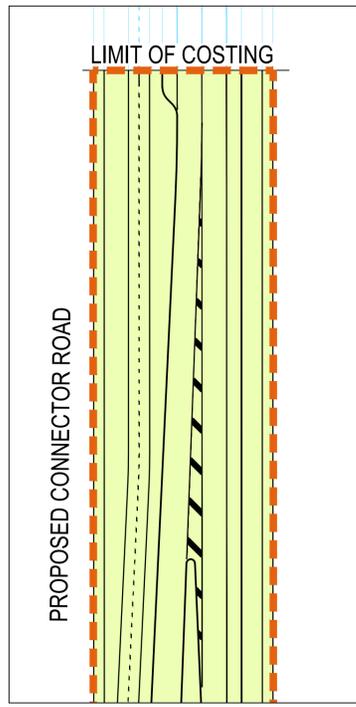
Arcadis Australia Pacific Pty Limited  
Level 18, Queen & Collins Tower  
376-390 Collins Street  
MELBOURNE VIC 3000 Australia  
ABN 76 104 485 289  
Tel No +61 3 8623 4000  
www.arcadis.com/au

Project Number	30265493
Issue	03

MMU-AAP-MP-00-DRG-CI-0315

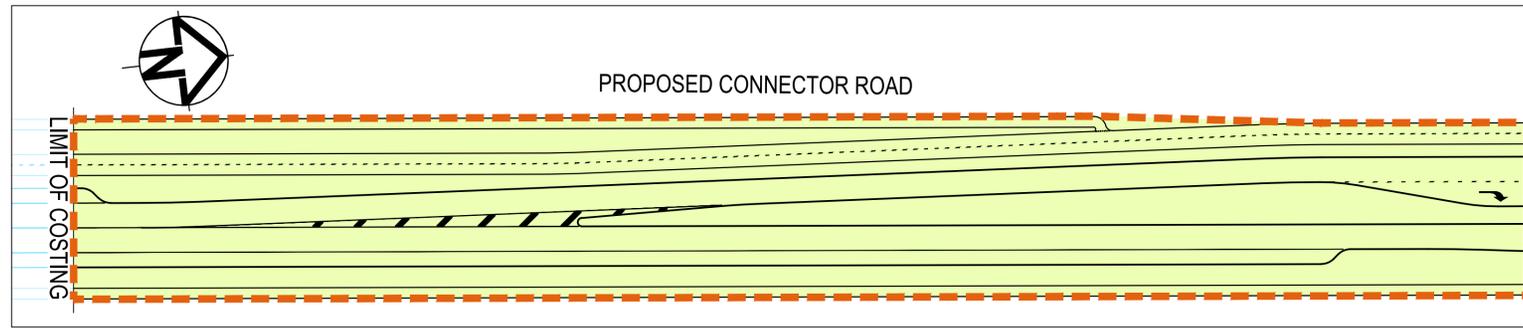
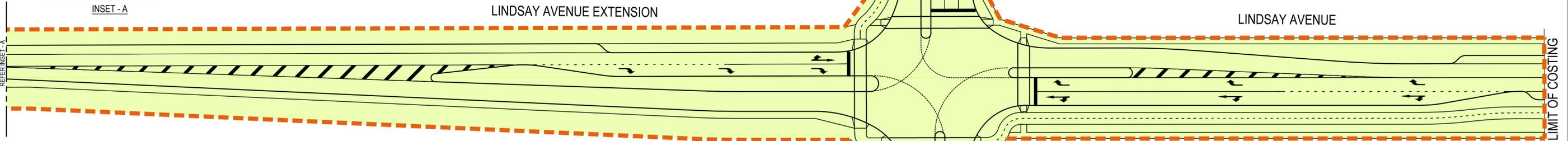
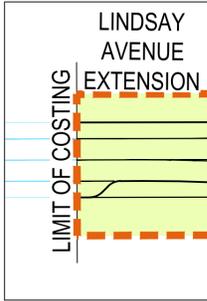


- NOTES:**
1. COSTINGS ARE BASED ON THE INTERSECTION LAYOUT PLANS AS PREPARED BY TRAFFIX GROUP.
  2. ALL COSTS EXCLUDE GST.
  3. COSTS DETERMINED USING TYPICAL CONSTRUCTION RATES FROM SIMILAR PROJECTS
  4. PAVEMENT DESIGN IS INDICATIVE ONLY, SUBJECT TO GEOTECHNICAL INVESTIGATION AND DESIGN
  5. COSTING IS FOR DESIGN ELEMENT ONLY, NO ALLOWANCE FOR GREATER CONNECTIVITY TO STORMWATER SIZING. NO ALLOWANCE HAS BEEN MADE FOR OVERLAND FLOW OR ONSITE DETENTION OF FLOW
  6. ASSUMED LANDSCAPING EXTENTS TO BE THE BOUNDARY, FOOTWAY OR WHERE NEITHER EXIST 6m FROM BACK OF KERB
  7. NO ALLOWANCE FOR UTILITIES



**INFRASTRUCTURE - OPINION OF COST  
INTERSECTION IN-06**

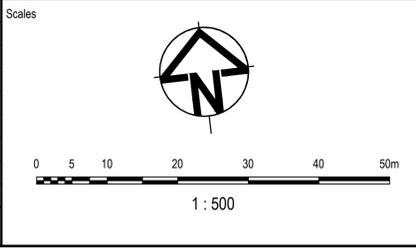
Item	Description	Quantity	Unit	P&S Amount \$	Rate (\$)	Amount (\$)
<b>SITING AND EARTHWORKS</b>						
Site Preparation		28,800	%	\$ 68,544.00	\$ 7.50	\$ 216,000.00
Earthworks		17,280	m3	\$ 584,409.60	\$ 58.00	\$ 1,002,300.00
<b>ROAD PAVEMENT</b>						
Primary Arterial Pavement			m2	\$ -	\$ 202.00	\$ -
Secondary Arterial Pavement		5,375	m2	\$ 661,125.00	\$ 184.00	\$ 989,000.00
Collector Arterial Pavement		5,286	m2	\$ 481,026.00	\$ 163.00	\$ 861,700.00
Pavement Rehab			m2	\$ -	\$ 60.00	\$ -
Pavement Other			m2	\$ -	\$ -	\$ -
<b>CONCRETE WORKS</b>						
Kerb and Channel		2,864	m	\$ 148,928.00	\$ 84.00	\$ 183,300.00
Cycle Path		2,034	m2	\$ 126,758.88	\$ 80.00	\$ 162,800.00
SUP/ Footpath		3,728	m2	\$ 227,395.80	\$ 80.00	\$ 298,300.00
Traffic Island			m2	\$ -	\$ 85.00	\$ -
<b>STORMWATER DRAINAGE</b>						
Drainage Pipe 300mm CR Billed		540	m	\$ -	\$ 370.00	\$ -
Drainage Pipe 375mm CR Billed			m	\$ 138,067.20	\$ 490.00	\$ 264,600.00
Drainage Pipe 450mm CR Billed		200	m	\$ 60,600.00	\$ 540.00	\$ 108,000.00
Drainage Pipe 525mm CR Billed		190	m	\$ 74,860.00	\$ 720.00	\$ 136,800.00
Drainage - pits		36	No.	\$ 90,720.00	\$ 3,800.00	\$ 136,800.00
Drainage - Sub-soil drainage		2,864	m	\$ 65,872.00	\$ 35.00	\$ 100,300.00
Drainage Culvert			No.	\$ -	\$ -	\$ -
<b>TRAFFIC SIGNALS</b>						
Traffic Signals		4	Set Per Intersection arm	\$ 353,500.00	\$ 150,000.00	\$ 600,000.00
Traffic Signal Conduit			m	\$ -	\$ -	\$ -
<b>LANDSCAPING</b>						
Tree Planting		0	No.	\$ -	\$ 316.00	\$ -
Landscaping		0	m2	\$ -	\$ 29.00	\$ -
Topsoil Seeding		6,687	m2	\$ 36,109.80	\$ 7.00	\$ 46,900.00
<b>STREET LIGHTING</b>						
Street Lighting (all Inclusive)		962	m	\$ 300,625.00	\$ 396.00	\$ 381,000.00
Street Lighting - Intersections		0	Set Per Intersection arm	\$ -	\$ -	\$ -
<b>OTHER</b>						
Regulatory Signage		40	No.	\$ 16,600.00	\$ 450.00	\$ 18,000.00
Linemarking		10,661	m2 of pavement	\$ 31,769.78	\$ 4.00	\$ 42,700.00
Landscape maintenance		1		\$ 75,000.00	\$ 90,000.00	\$ 90,000.00
Tactile Pavers (Hazard only)		21	No.	\$ 7,079.94	\$ 420.00	\$ 8,900.00
<b>GAURDFENCE</b>						
WRSB			lm	\$ -	\$ 130.00	\$ -
W-Beam			lm	\$ -	\$ 130.00	\$ -
Terminal			No.	\$ -	\$ 5,521.00	\$ -
<b>OVERHEADS</b>						
Surveying and Design			%	\$ 283,919.28	8	\$ 451,800.00
Contingency			%	\$ 532,348.65	15	\$ 847,200.00
Traffic Management			%	\$ 70,979.82	2	\$ 113,000.00
Supervision and Project management			%	\$ 319,409.19	9	\$ 508,300.00
Council Fees			%	\$ 177,449.55	5	\$ 282,400.00
VicRoads Fees			%	\$ 212,939.46	6	\$ 338,900.00
Environmental Management			%	\$ 283,919.28	8	\$ 451,800.00
<b>CAPITAL COST</b>				<b>\$ 3,548,991.00</b>		<b>\$ 5,647,400.00</b>
<b>OVERHEADS COST</b>				<b>\$ 1,880,965.23</b>		<b>\$ 2,993,400.00</b>
<b>TOTAL ESTIMATED CONSTRUCTION COST</b>				<b>\$ 5,429,956.23</b>		<b>\$ 8,640,800.00</b>



**PAVEMENT COMPOSITION**

PAVEMENT COURSE	PRIMARY ARTERIAL	SECONDARY ARTERIAL	CONNECTOR BOULEVARD	CONNECTOR STREET
ASPHALT WEARING COURSE	40	40	40	40
ASPHALT INTERMEDIATE COURSE	75	60	60	60
ASPHALT BASE COURSE	90	75	75	75
PRIME	10	10	10	10
CTCR BASE	150	150	150	150
FCR BASE	150	150	N/A	N/A
SELECT SUB-BASE COURSE	200	150	200	200
CONSTRUCTION LAYER	150	150	150	150
<b>TOTAL DEPTH (mm)</b>	<b>865</b>	<b>785</b>	<b>685</b>	<b>685</b>

Issue	Description	DR	CH	VE	Date
03	UPDATES FOR COST CLARIFICATIONS	IO	JR	AD	31.07.25
02	UPDATES FOR INTERSECTION 07 INCLUSION	JR	JR	SD	13.06.25
01	FOR INFORMATION	CM	JR	JR	18.03.25



Surveyor

Client

Architect

BACCHUS MARSH DEVELOPMENTS

Status

**FOR INFORMATION  
NOT TO BE USED FOR CONSTRUCTION**

© Copyright reserved

Original Issue Signatures

Drawn: C.MENEZ  
Designed: J.ROCK  
Project Manager: C.PERKINS  
Verified: S.DUNSTONE

Original Size: A1  
Height Datum: Grid

Project

MERRIMU PRECINCT

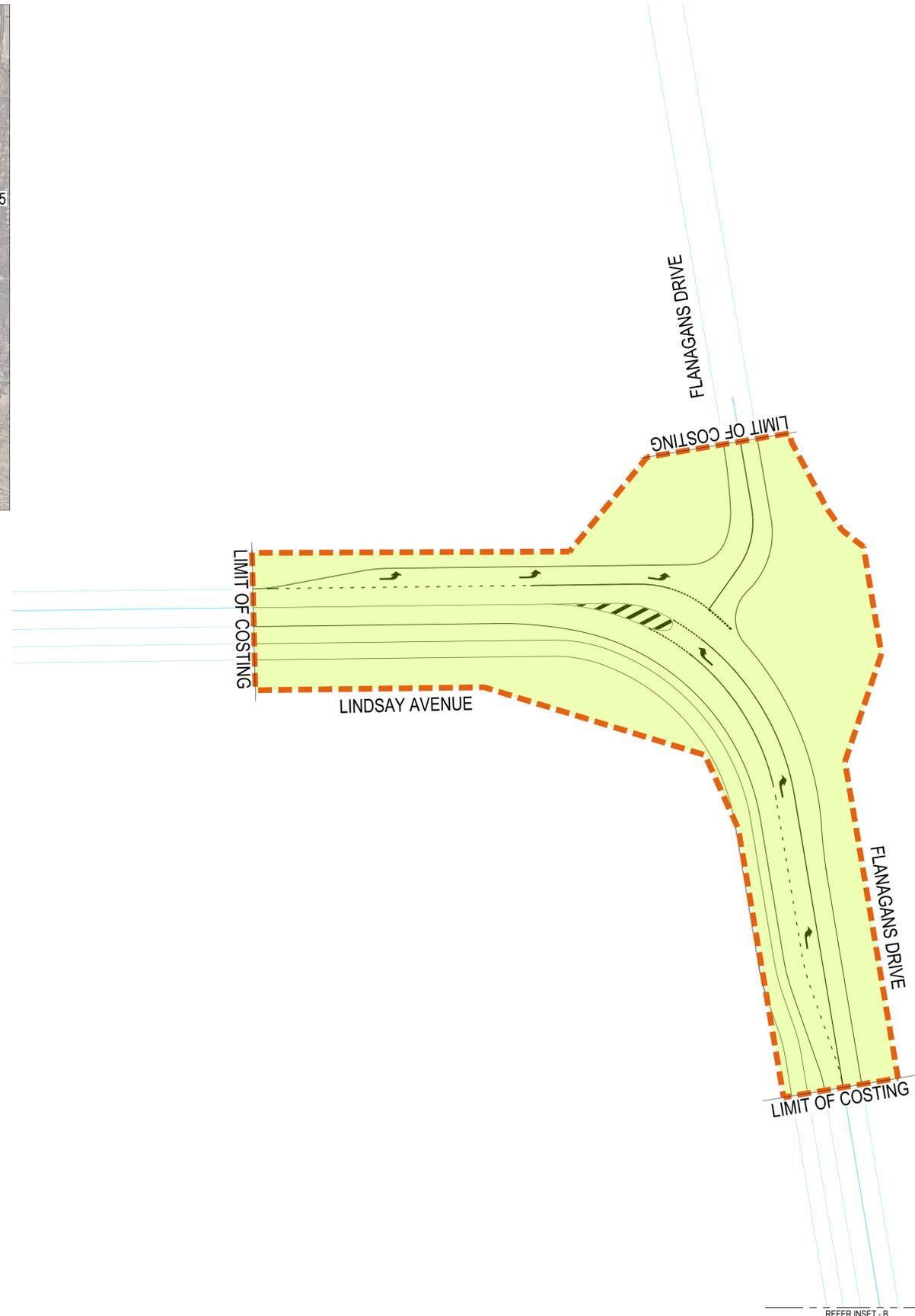
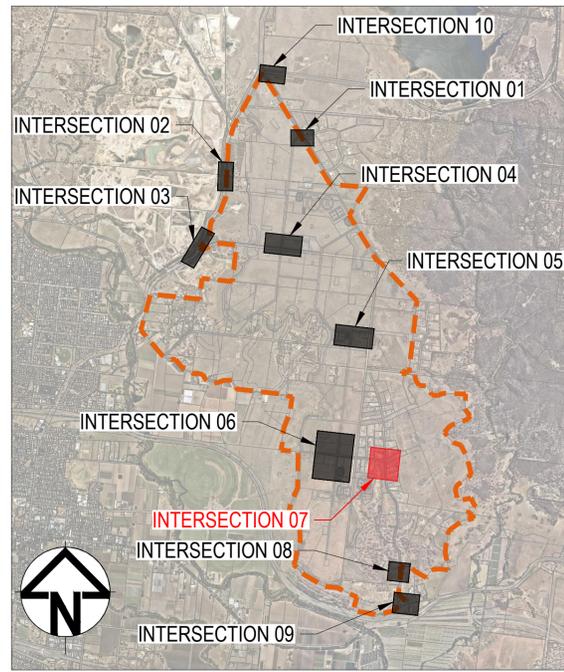
LINDSAY AVENUE/ PROPOSED CONNECTOR ROAD INTERSECTION 06

Project Number: 30265493

Issue: 03

**ARCADIS**

Arcadis Australia Pacific Pty Limited  
Level 18, Queen & Collins Tower  
376-390 Collins Street  
MELBOURNE VIC 3000 Australia  
ABN 76 104 485 289  
Tel No: +61 3 8623 4000  
www.arcadis.com/au



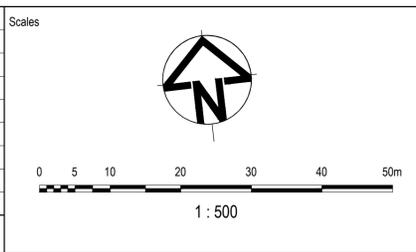
INFRASTRUCTURE - OPINION OF COST  
INTERSECTION IN-07

Item	Description	Quantity	Unit	Rate (\$)	Amount (\$)
<b>SITWORKS AND EARTHWORKS</b>					
	Site Preparation	5,340	%	\$ 7.50	\$ 40,100.00
	Earthworks	3,204	m3	\$ 58.00	\$ 185,900.00
<b>ROAD PAVEMENT</b>					
	Primary Arterial Pavement	2,441	m2	\$ 202.00	\$ -
	Secondary Arterial Pavement		m2	\$ 184.00	\$ 449,200.00
	Collector Arterial Pavement		m2	\$ 163.00	\$ -
	Pavement Rehab		m2	\$ 60.00	\$ -
	Pavement Other		m2	\$ -	\$ -
<b>CONCRETE WORKS</b>					
	Kerb and Channel	400	m	\$ 64.00	\$ 25,600.00
	Cycle Path	0	m2	\$ 80.00	\$ -
	SUPI Footpath	480	m2	\$ 80.00	\$ 38,400.00
	Traffic Island		m2	\$ 85.00	\$ -
<b>STORMWATER DRAINAGE</b>					
	Drainage Pipe 300mm CR Bfilled		m	\$ 370.00	\$ -
	Drainage Pipe 375mm CR Bfilled	165	m	\$ 490.00	\$ 80,900.00
	Drainage Pipe 450mm CR Bfilled	130	m	\$ 540.00	\$ 70,200.00
	Drainage Pipe 525mm CR Bfilled	0	m	\$ 720.00	\$ -
	Drainage - pits	11	No.	\$ 3,800.00	\$ 41,800.00
	Drainage - Sub-soil drainage	400	m	\$ 35.00	\$ 14,000.00
	Drainage Culvert		No.	\$ -	\$ -
<b>TRAFFIC SIGNALS</b>					
	Traffic Signals	0	Set Per Intersection arm	\$ 150,000.00	\$ -
	Traffic Signal Conduit		m		\$ -
<b>LANDSCAPING</b>					
	Tree Planting	0	No.	\$ 316.00	\$ -
	Landscaping	0	m2	\$ 29.00	\$ -
	Topsoil Seeding	1,800	m2	\$ 7.00	\$ 12,600.00
<b>STREET LIGHTING</b>					
	Street Lighting (all Inclusive)	210	m	\$ 396.00	\$ 83,200.00
	Street Lighting - Intersections	0	Set Per Intersection arm	\$ -	\$ -
<b>OTHER</b>					
	Regulatory Signage	30	No.	\$ 450.00	\$ 13,500.00
	Linemarking	2,441	m2 of pavement	\$ 4.00	\$ 9,800.00
	Landscape maintenance	1		\$ 90,000.00	\$ 90,000.00
	Tactile Pavers (Hazard only)	0	No.	\$ 420.00	\$ -
<b>GAURDFENCE</b>					
	WRSB		lm	\$ 130.00	\$ -
	W-Beam		lm	\$ 130.00	\$ -
	Terminal		No.	\$ 5,521.00	\$ -
<b>OVERHEADS</b>					
	Surveying and Design		%	8	\$ 92,500.00
	Contingency		%	15	\$ 173,300.00
	Traffic Management		%	2	\$ 23,200.00
	Supervision and Project management		%	9	\$ 104,000.00
	Council Fees		%	5	\$ 57,800.00
	VicRoads Fees		%	6	\$ 69,400.00
	Environmental Management		%	8	\$ 92,500.00
	<b>CAPITAL COST</b>				\$ 1,155,200.00
	<b>OVERHEADS COST</b>				\$ 612,700.00
	<b>TOTAL ESTIMATED CONSTRUCTION COST</b>				\$ 1,767,900.00

- NOTES:**
- COSTINGS ARE BASED ON THE INTERSECTION LAYOUT PLANS AS PREPARED BY TRAFFIX GROUP.
  - ALL COSTS EXCLUDE GST.
  - COSTS DETERMINED USING TYPICAL CONSTRUCTION RATES FROM SIMILAR PROJECTS.
  - PAVEMENT DESIGN IS INDICATIVE ONLY. SUBJECT TO GEOTECHNICAL INVESTIGATION AND DESIGN.
  - COSTING IS FOR DESIGN ELEMENT ONLY. NO ALLOWANCE FOR GREATER CONNECTIVITY TO STORMWATER SIZING. NO ALLOWANCE HAS BEEN MADE FOR OVERLAND FLOW OR ONSITE DETENTION OF FLOW.
  - ASSUMED LANDSCAPING EXTENTS TO BE THE BOUNDARY, FOOTWAY OR WHERE NEITHER EXIST 6m FROM BACK OF KERB.
  - NO ALLOWANCE FOR UTILITIES.

PAVEMENT COMPOSITION				
PAVEMENT COURSE	PRIMARY ARTERIAL	SECONDARY ARTERIAL	CONNECTOR BOULEVARD	CONNECTOR STREET
ASPHALT WEARING COURSE	40	40	40	40
ASPHALT INTERMEDIATE COURSE	75	60	60	60
ASPHALT BASE COURSE	90	75	75	75
PRIME	10	10	10	10
CTCR BASE	150	150	150	150
FCR BASE	150	150	N/A	N/A
SELECT SUB-BASE COURSE	200	150	200	200
CONSTRUCTION LAYER	150	150	150	150
TOTAL DEPTH (mm)	865	785	685	685

Issue	Description	DR	CH	VE	Date
03	UPDATES FOR COST CLARIFICATIONS	IO	JR	AD	31.07.25
02	UPDATES FOR INTERSECTION 07 INCLUSION	JR	JR	SD	13.06.25
01	FOR INFORMATION	RC	JR	JR	03.06.25

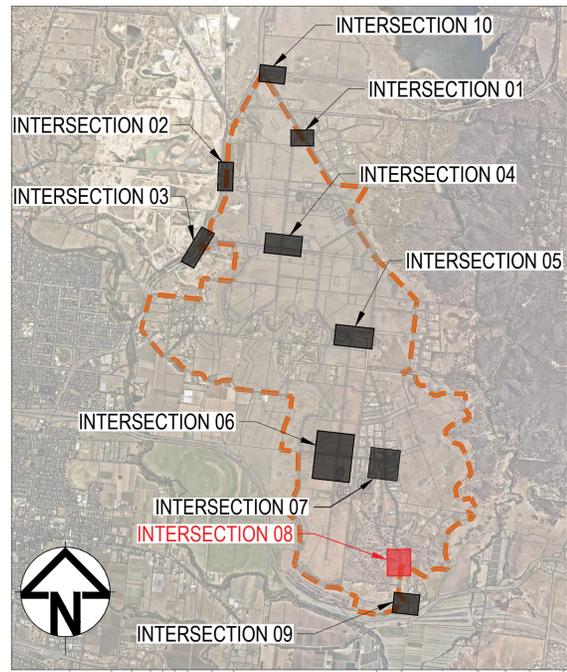


Surveyor: -  
Client: BACCHUS MARSH DEVELOPMENTS  
Architect: -

Status: FOR INFORMATION  
NOT TO BE USED FOR CONSTRUCTION  
© Copyright reserved  
Original Issue Signatures:  
Drawn: C.MENEZ  
Designed: J.ROCK  
Project Manager: C.PERKINS  
Verified: S.DUNSTONE

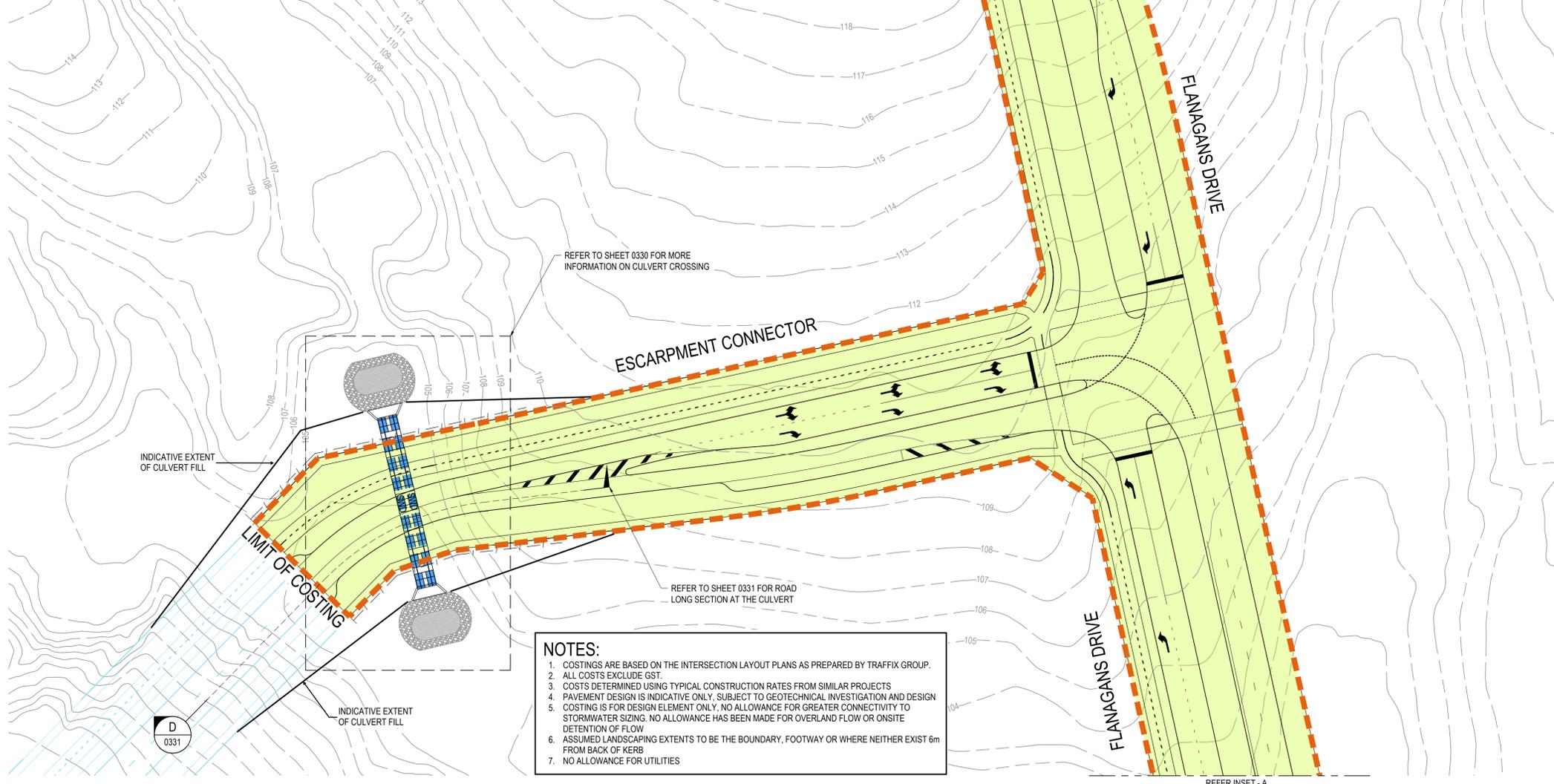
Project: MERRIMU PRECINCT  
Title: LINDSAY AVENUE  
FLANAGANS DRIVE  
INTERSECTION 07

Project Number: 30265493  
Drawing No: MMU-AAP-MP-00-DRG-CI-0317  
Issue: 03



PAVEMENT COMPOSITION				
PAVEMENT COURSE	PRIMARY ARTERIAL	SECONDARY ARTERIAL	CONNECTOR BOULEVARD	CONNECTOR STREET
ASPHALT WEARING COURSE	40	40	40	40
ASPHALT INTERMEDIATE COURSE	75	60	60	60
ASPHALT BASE COURSE	90	75	75	75
PRIME	10	10	10	10
CTCR BASE	150	150	150	150
FCR BASE	150	150	N/A	N/A
SELECT SUB-BASE COURSE	200	150	200	200
CONSTRUCTION LAYER	150	150	150	150
TOTAL DEPTH (mm)	865	785	685	685

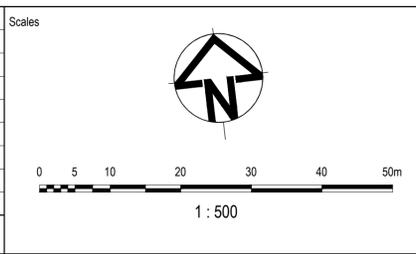
INFRASTRUCTURE - OPINION OF COST INTERSECTION IN-08					
Item	Description	Quantity	Unit	Rate (\$)	Amount (\$)
<b>SITWORKS AND EARTHWORKS</b>					
	Site Preparation	14,280	%	\$ 7.50	\$ 107,100.00
	Earthworks	8,568	m3	\$ 58.00	\$ 497,000.00
<b>ROAD PAVEMENT</b>					
	Primary Arterial Pavement	0	m2	\$ 202.00	\$ -
	Secondary Arterial Pavement	3,500	m2	\$ 184.00	\$ 644,000.00
	Collector Arterial Pavement	1,514	m2	\$ 163.00	\$ 246,800.00
	Pavement Rehab	0	m2	\$ 60.00	\$ -
	Pavement Other	0	m2	\$ -	\$ -
<b>CONCRETE WORKS</b>					
	Kerb and Channel	1,450	m	\$ 64.00	\$ 92,800.00
	Cycle Path	1,275	m2	\$ 80.00	\$ 102,000.00
	SUP/ Footpath	450	m2	\$ 80.00	\$ 36,000.00
	Traffic Island	0	m2	\$ 85.00	\$ -
<b>STORMWATER DRAINAGE</b>					
	Drainage Pipe 300mm CR Filled		m	\$ 370.00	\$ -
	Drainage Pipe 375mm CR Filled	610	m	\$ 490.00	\$ 298,900.00
	Drainage Pipe 450mm CR Filled	100	m	\$ 540.00	\$ 54,000.00
	Drainage Pipe 525mm CR Filled	30	m	\$ 720.00	\$ 21,600.00
	Drainage Pipe 600mm CRB filled	100	m	\$ 920.00	\$ 92,000.00
	Drainage - pits	26	No.	\$ 3,800.00	\$ 98,800.00
	Drainage - Sub-soil drainage	1,450	m	\$ 35.00	\$ 50,800.00
	Drainage Culvert		No.	\$ -	\$ -
<b>TRAFFIC SIGNALS</b>					
	Traffic Signals	3	Set Per Intersection arm	\$ 150,000.00	\$ 450,000.00
	Traffic Signal Conduit		m	\$ -	\$ -
<b>LANDSCAPING</b>					
	Tree Planting	0	No.	\$ 316.00	\$ -
	Landscaping	0	m2	\$ 29.00	\$ -
	Topsoil Seeding	5,060	m2	\$ 7.00	\$ 35,500.00
<b>STREET LIGHTING</b>					
	Street Lighting (all Inclusive)	440	m	\$ 396.00	\$ 174,300.00
	Street Lighting - Intersections	0	Set Per Intersection arm	\$ -	\$ -
<b>OTHER</b>					
	Regulatory Signage	30	No.	\$ 450.00	\$ 13,500.00
	Linemarking	5,014	m2 of pavement	\$ 4.00	\$ 20,100.00
	Landscape maintenance	1		\$ 90,000.00	\$ 90,000.00
	Tactile Pavers (Hazard only)	1	No.	\$ 420.00	\$ 500.00
<b>GAUARDENCE</b>					
	WRSB		lm	\$ 130.00	\$ -
	W-Beam	100	lm	\$ 130.00	\$ 13,000.00
	Terminal	4	No.	\$ 5,521.00	\$ 22,100.00
<b>OVERHEADS</b>					
	Surveying and Design		%	8	\$ 252,900.00
	Contingency		%	15	\$ 474,200.00
	Traffic Management		%	2	\$ 63,300.00
	Supervision and Project management		%	9	\$ 284,500.00
	Council Fees		%	5	\$ 158,100.00
	VicRoads Fees		%	6	\$ 189,700.00
	Environmental Management		%	8	\$ 252,900.00
	<b>CAPITAL COST</b>				\$ 3,160,800.00
	<b>OVERHEADS COST</b>				\$ 1,675,600.00
	<b>TOTAL ESTIMATED CONSTRUCTION COST</b>				\$ 4,836,400.00



INFRASTRUCTURE - OPINION OF COST INTERSECTION IN-08 CULVERT					
Item	Description	Quantity	Unit	Rate (\$)	Amount (\$)
<b>SITWORKS AND EARTHWORKS</b>					
	Site Preparation (additional for culvert)	1,600	m2	\$ 7.50	\$ 12,000.00
	Earthworks (additional to road for full waterway and culvert crossing)	15,300	m3	\$ 58.00	\$ 887,400.00
	Rock Treatment for Localised Steep Sections	100	m2	\$ 80.00	\$ 8,000.00
<b>STORMWATER DRAINAGE</b>					
	Drainage Pipe 1350mm CRB filled	67	m	\$ 2,000.00	\$ 134,000.00
	Drainage - Headwall	2	No.	\$ 5,000.00	\$ 10,000.00
	Rock Beaching (pool)	90	m2	\$ 80.00	\$ 7,200.00
	Clay Liner (pool)	240	m2	\$ 13.00	\$ 3,200.00
<b>LANDSCAPING</b>					
	Jute matting	900	m2	\$ 3.00	\$ 2,700.00
	Planting/Landscaping	900	m2	\$ 29.00	\$ 26,100.00
	Topsoil Seeding	100	m2	\$ 6.59	\$ 700.00
<b>OVERHEADS</b>					
	Surveying and Design		%	\$ 8.00	\$ 87,400.00
	Contingency		%	\$ 15.00	\$ 163,700.00
	Traffic Management		%	\$ 2.00	\$ 21,900.00
	Supervision and Project management		%	\$ 9.00	\$ 98,300.00
	Council Fees		%	\$ 5.00	\$ 54,600.00
	VicRoads Fees		%	\$ 6.00	\$ 65,500.00
	Environmental Management		%	\$ 8.00	\$ 87,400.00
	<b>CAPITAL COST</b>				\$ 1,091,300.00
	<b>OVERHEADS COST</b>				\$ 578,800.00
	<b>TOTAL ESTIMATED CONSTRUCTION COST</b>				\$ 1,670,100.00

- NOTES:**
- COSTINGS ARE BASED ON THE INTERSECTION LAYOUT PLANS AS PREPARED BY TRAFFIC GROUP.
  - ALL COSTS EXCLUDE GST.
  - COSTS DETERMINED USING TYPICAL CONSTRUCTION RATES FROM SIMILAR PROJECTS
  - PAVEMENT DESIGN IS INDICATIVE ONLY, SUBJECT TO GEOTECHNICAL INVESTIGATION AND DESIGN
  - COSTING IS FOR DESIGN ELEMENT ONLY, NO ALLOWANCE FOR GREATER CONNECTIVITY TO STORMWATER SIZING. NO ALLOWANCE HAS BEEN MADE FOR OVERLAND FLOW OR ON-SITE DETENTION OF FLOW
  - ASSUMED LANDSCAPING EXTENTS TO BE THE BOUNDARY, FOOTWAY OR WHERE NEITHER EXIST 6m FROM BACK OF KERB
  - NO ALLOWANCE FOR UTILITIES

Issue	Description	DR	CH	VE	Date
04	UPDATES FOR COST CLARIFICATIONS	IO	JR	AD	31.07.25
03	UPDATES FOR INTERSECTION 07 INCLUSION	JR	JR	SD	13.06.25
02	UPDATES TO INTERSECTION 08 LAYOUT	RC	JR	JR	15.05.25
01	FOR INFORMATION	CM	JR	JR	18.03.25



Surveyor	
Client	BACCHUS MARSH DEVELOPMENTS
Architect	

FOR INFORMATION NOT TO BE USED FOR CONSTRUCTION			
© Copyright reserved			
Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	J.ROCK	Height Datum	
Project Manager	C.PERKINS	Grid	
Verified	S.DUNSTONE		

Project: MERRIMU PRECINCT

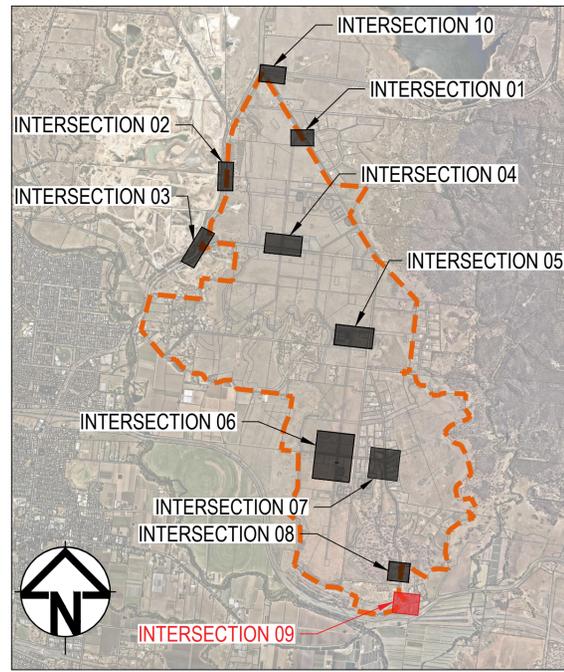
ARCADIS

Arcadis Australia Pacific Pty Limited  
Level 18, Queen & Collins Tower  
376-390 Collins Street  
MELBOURNE VIC 3000 Australia  
ABN No: +61 3 8623 4000  
Tel No: +61 3 8623 4000  
www.arcadis.com/au

Project Number: 30265493

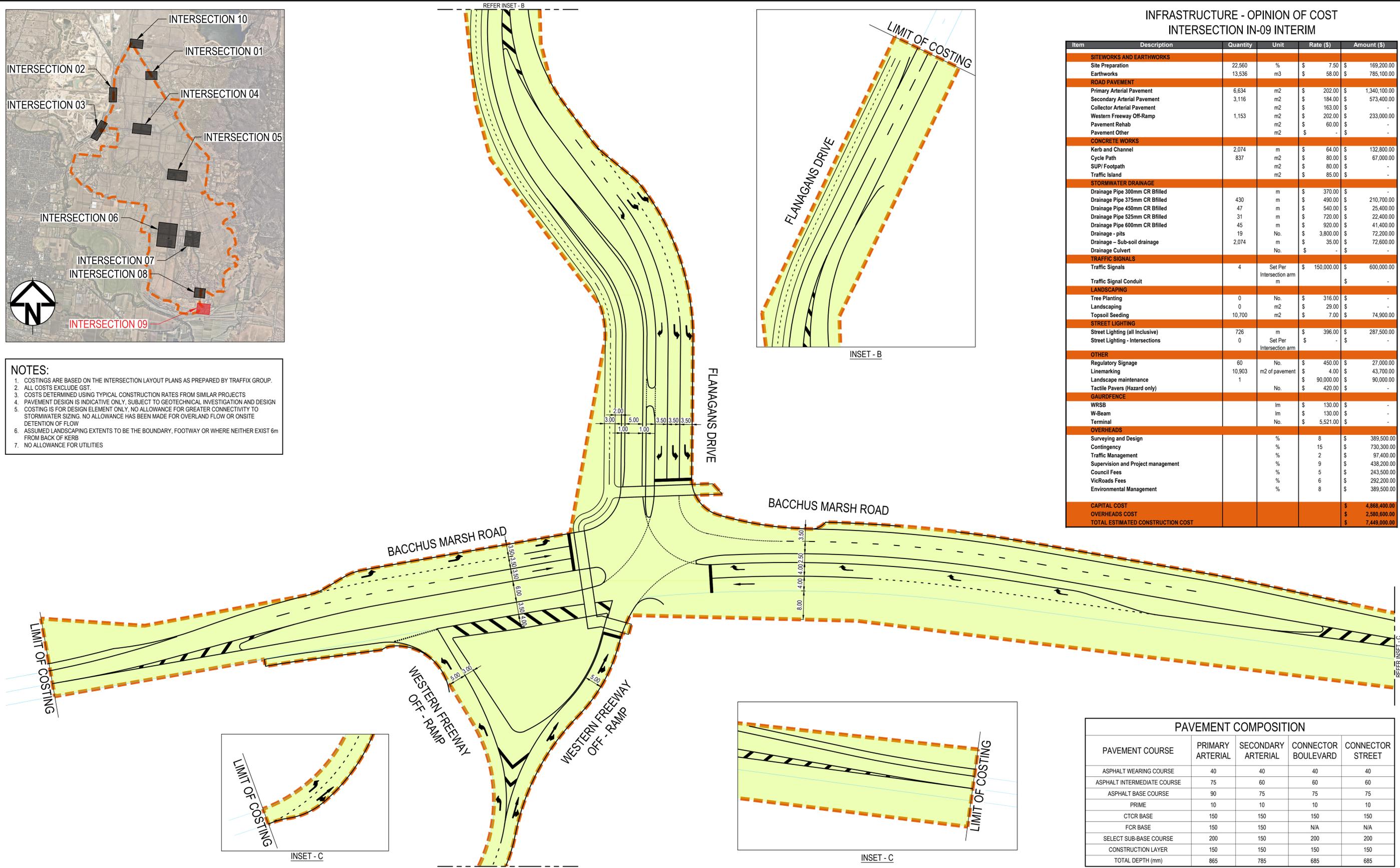
Issue: 04

Drawing No: MMU-AAP-MP-00-DRG-CI-0318



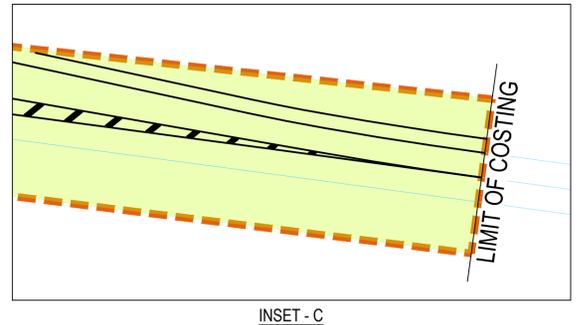
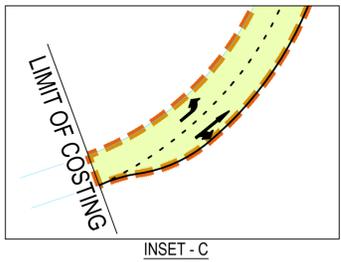
**NOTES:**

- COSTINGS ARE BASED ON THE INTERSECTION LAYOUT PLANS AS PREPARED BY TRAFFIX GROUP.
- ALL COSTS EXCLUDE GST.
- COSTS DETERMINED USING TYPICAL CONSTRUCTION RATES FROM SIMILAR PROJECTS
- PAVEMENT DESIGN IS INDICATIVE ONLY, SUBJECT TO GEOTECHNICAL INVESTIGATION AND DESIGN
- COSTING IS FOR DESIGN ELEMENT ONLY, NO ALLOWANCE FOR GREATER CONNECTIVITY TO STORMWATER SIZING, NO ALLOWANCE HAS BEEN MADE FOR OVERLAND FLOW OR ONSITE DETENTION OF FLOW
- ASSUMED LANDSCAPING EXTENTS TO BE THE BOUNDARY, FOOTWAY OR WHERE NEITHER EXIST 6m FROM BACK OF KERB
- NO ALLOWANCE FOR UTILITIES



### INFRASTRUCTURE - OPINION OF COST INTERSECTION IN-09 INTERIM

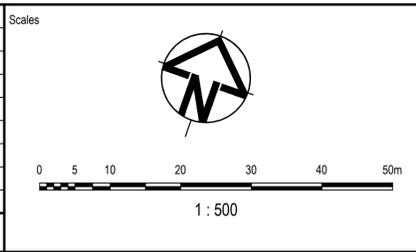
Item	Description	Quantity	Unit	Rate (\$)	Amount (\$)
<b>SITWORKS AND EARTHWORKS</b>					
	Site Preparation	22,560	%	\$ 7.50	\$ 169,200.00
	Earthworks	13,536	m3	\$ 58.00	\$ 785,100.00
<b>ROAD PAVEMENT</b>					
	Primary Arterial Pavement	6,634	m2	\$ 202.00	\$ 1,340,100.00
	Secondary Arterial Pavement	3,116	m2	\$ 184.00	\$ 573,400.00
	Collector Arterial Pavement		m2	\$ 163.00	\$ -
	Western Freeway Off-Ramp	1,153	m2	\$ 202.00	\$ 233,000.00
	Pavement Rehab		m2	\$ 60.00	\$ -
	Pavement Other		m2	\$ -	\$ -
<b>CONCRETE WORKS</b>					
	Kerb and Channel	2,074	m	\$ 64.00	\$ 132,800.00
	Cycle Path	837	m2	\$ 80.00	\$ 67,000.00
	SUP/ Footpath		m2	\$ 80.00	\$ -
	Traffic Island		m2	\$ 85.00	\$ -
<b>STORMWATER DRAINAGE</b>					
	Drainage Pipe 300mm CR Filled		m	\$ 370.00	\$ -
	Drainage Pipe 375mm CR Filled	430	m	\$ 490.00	\$ 210,700.00
	Drainage Pipe 450mm CR Filled	47	m	\$ 540.00	\$ 25,400.00
	Drainage Pipe 525mm CR Filled	31	m	\$ 720.00	\$ 22,400.00
	Drainage Pipe 600mm CR Filled	45	m	\$ 920.00	\$ 41,400.00
	Drainage - pits	19	No.	\$ 3,800.00	\$ 72,200.00
	Drainage - Sub-soil drainage	2,074	m	\$ 35.00	\$ 72,600.00
	Drainage Culvert		No.	\$ -	\$ -
<b>TRAFFIC SIGNALS</b>					
	Traffic Signals	4	Set Per Intersection arm	\$ 150,000.00	\$ 600,000.00
	Traffic Signal Conduit		m	\$ -	\$ -
<b>LANDSCAPING</b>					
	Tree Planting	0	No.	\$ 316.00	\$ -
	Landscaping	0	m2	\$ 29.00	\$ -
	Topsoil Seeding	10,700	m2	\$ 7.00	\$ 74,900.00
<b>STREET LIGHTING</b>					
	Street Lighting (all Inclusive)	726	m	\$ 396.00	\$ 287,500.00
	Street Lighting - Intersections	0	Set Per Intersection arm	\$ -	\$ -
<b>OTHER</b>					
	Regulatory Signage	60	No.	\$ 450.00	\$ 27,000.00
	Linemarking	10,903	m2 of pavement	\$ 4.00	\$ 43,700.00
	Landscape maintenance	1		\$ 90,000.00	\$ 90,000.00
	Tactile Pavers (Hazard only)		No.	\$ 420.00	\$ -
<b>GAURDFENCE</b>					
	WRSB		lm	\$ 130.00	\$ -
	W-Beam		lm	\$ 130.00	\$ -
	Terminal		No.	\$ 5,521.00	\$ -
<b>OVERHEADS</b>					
	Surveying and Design		%	8	\$ 389,500.00
	Contingency		%	15	\$ 730,300.00
	Traffic Management		%	2	\$ 97,400.00
	Supervision and Project management		%	9	\$ 438,200.00
	Council Fees		%	5	\$ 243,500.00
	VicRoads Fees		%	6	\$ 292,200.00
	Environmental Management		%	8	\$ 389,500.00
<b>CAPITAL COST</b>					\$ 4,868,400.00
<b>OVERHEADS COST</b>					\$ 2,580,600.00
<b>TOTAL ESTIMATED CONSTRUCTION COST</b>					\$ 7,449,000.00



### PAVEMENT COMPOSITION

PAVEMENT COURSE	PRIMARY ARTERIAL	SECONDARY ARTERIAL	CONNECTOR BOULEVARD	CONNECTOR STREET
ASPHALT WEARING COURSE	40	40	40	40
ASPHALT INTERMEDIATE COURSE	75	60	60	60
ASPHALT BASE COURSE	90	75	75	75
PRIME	10	10	10	10
CTCR BASE	150	150	150	150
FCR BASE	150	150	N/A	N/A
SELECT SUB-BASE COURSE	200	150	200	200
CONSTRUCTION LAYER	150	150	150	150
<b>TOTAL DEPTH (mm)</b>	<b>865</b>	<b>785</b>	<b>685</b>	<b>685</b>

Issue	Description	DR	CH	VE	Date
03	UPDATES FOR COST CLARIFICATIONS	IO	JR	AD	31.07.25
02	UPDATES FOR INTERSECTION 07 INCLUSION	JR	JR	SD	13.06.25
01	FOR INFORMATION	CM	JR	JR	18.03.25

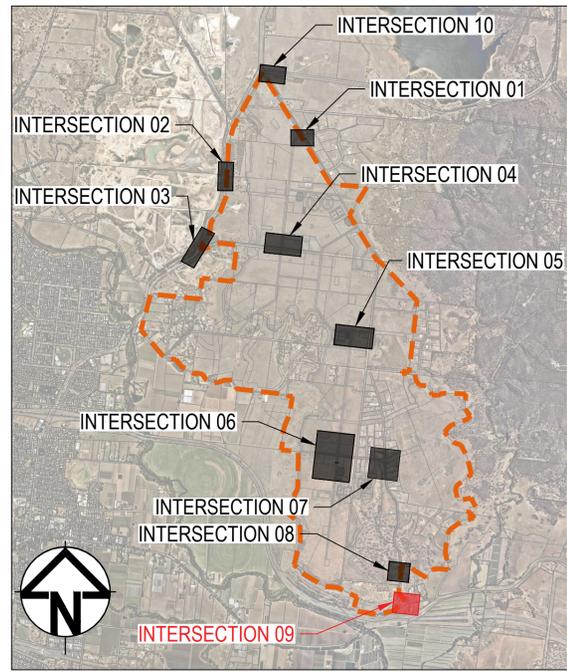


Surveyor: \_\_\_\_\_  
 Client: BACCHUS MARSH DEVELOPMENTS  
 Architect: \_\_\_\_\_

Status: FOR INFORMATION  
 NOT TO BE USED FOR CONSTRUCTION  
 © Copyright reserved  
 Original Issue Signatures: \_\_\_\_\_  
 Drawn: C.MENEZ  
 Designed: J.ROCK  
 Project Manager: C.PERKINS  
 Verified: S.DUNSTONE

Project: MERRIMU PRECINCT  
 Title: BACCHUS MARSH ROAD / FLANAGANS ROAD / WESTERN FREEWAY OFF RAMP INTERSECTION 09 - INTERIM  
 Drawing No: MMU-AAP-MP-00-DRG-CI-0319  
 Issue: 03

Arcadis Australia Pacific Pty Limited  
 Level 18, Queen & Collins Tower  
 376-390 Collins Street  
 MELBOURNE VIC 3000 Australia  
 ABN No: +61 3 485 289  
 Tel No: +61 3 8623 4000  
 www.arcadis.com/au

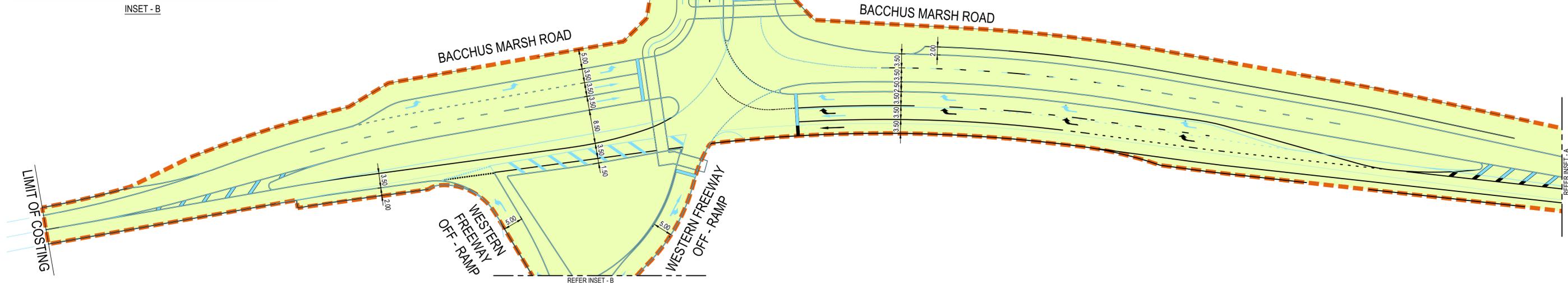
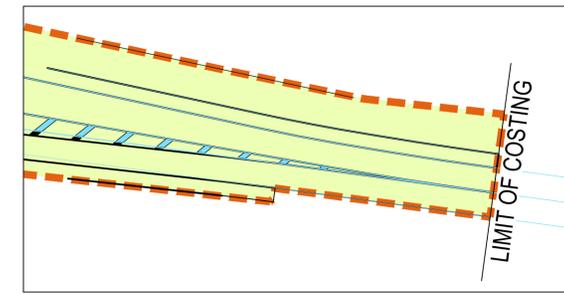
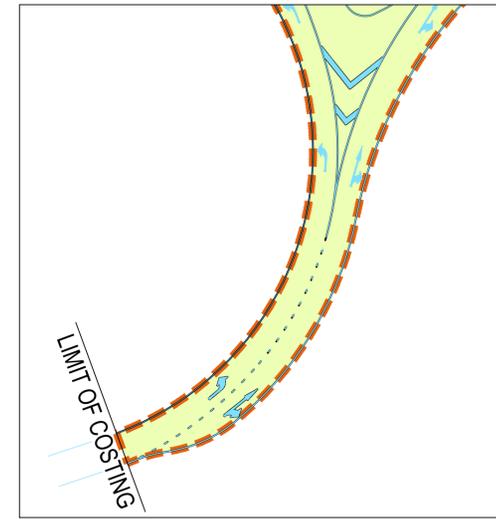


INFRASTRUCTURE - OPINION OF COST  
INTERSECTION IN-09 ULTIMATE

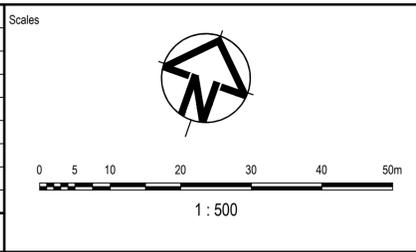
PAVEMENT COMPOSITION				
PAVEMENT COURSE	PRIMARY ARTERIAL	SECONDARY ARTERIAL	CONNECTOR BOULEVARD	CONNECTOR STREET
ASPHALT WEARING COURSE	40	40	40	40
ASPHALT INTERMEDIATE COURSE	75	60	60	60
ASPHALT BASE COURSE	90	75	75	75
PRIME	10	10	10	10
CTCR BASE	150	150	150	150
FCR BASE	150	150	N/A	N/A
SELECT SUB-BASE COURSE	200	150	200	200
CONSTRUCTION LAYER	150	150	150	150
TOTAL DEPTH (mm)	865	785	685	685

- NOTES:**
- COSTINGS ARE BASED ON THE INTERSECTION LAYOUT PLANS AS PREPARED BY TRAFFIX GROUP.
  - ALL COSTS EXCLUDE GST.
  - COSTS DETERMINED USING TYPICAL CONSTRUCTION RATES FROM SIMILAR PROJECTS
  - PAVEMENT DESIGN IS INDICATIVE ONLY, SUBJECT TO GEOTECHNICAL INVESTIGATION AND DESIGN
  - COSTING IS FOR DESIGN ELEMENT ONLY, NO ALLOWANCE FOR GREATER CONNECTIVITY TO STORMWATER SIZING. NO ALLOWANCE HAS BEEN MADE FOR OVERLAND FLOW OR ONSITE DETENTION OF FLOW
  - ASSUMED LANDSCAPING EXTENTS TO BE THE BOUNDARY, FOOTWAY OR WHERE NEITHER EXIST 6m FROM BACK OF KERB
  - NO ALLOWANCE FOR UTILITIES

Item	Description	Quantity	Unit	Rate (\$)	Amount (\$)
<b>SITING AND EARTHWORKS</b>					
	Site Preparation	2,245	%	\$ 7.50	\$ 16,900.00
	Earthworks	1,010	m3	\$ 58.00	\$ 58,600.00
<b>ROAD PAVEMENT</b>					
	Primary Arterial Pavement Addition	979	m2	\$ 202.00	\$ 197,800.00
	Secondary Arterial Pavement Addition	512	m2	\$ 184.00	\$ 94,300.00
	Primary Arterial Pavement Removal and Disposal	166	m2	\$ 300.00	\$ 49,800.00
	Secondary Arterial Pavement Removal and Disposal	214	m2	\$ 300.00	\$ 64,200.00
	Collector Arterial Pavement		m2	\$ 163.00	\$ -
	Pavement Rehab		m2	\$ 60.00	\$ -
	Pavement Other		m2	\$ -	\$ -
<b>CONCRETE WORKS</b>					
	Kerb and Channel Addition	701	m	\$ 64.00	\$ 44,900.00
	Kerb and Channel Removal and Disposal	614	m	\$ 120.00	\$ 73,700.00
	Cycle Path		m2	\$ 80.00	\$ -
	SUP/ Footpath		m2	\$ 80.00	\$ -
	Traffic Island		m2	\$ 85.00	\$ -
<b>STORMWATER DRAINAGE</b>					
	Drainage Pipe 300mm CR Filled		m	\$ 370.00	\$ -
	Drainage Pipe 375mm CR Filled	50	m	\$ 490.00	\$ 24,500.00
	Drainage Pipe 450mm CR Filled	30	m	\$ 540.00	\$ 16,200.00
	Drainage Pipe 525mm CR Filled		m	\$ 720.00	\$ -
	Drainage - pits	5	No.	\$ 3,800.00	\$ 19,000.00
	Drainage - Sub-soil drainage	701	m	\$ 35.00	\$ 24,600.00
	Drainage Culvert		No.	\$ -	\$ -
<b>TRAFFIC SIGNALS</b>					
	Traffic Signals		Set Per Intersection arm	\$ 150,000.00	\$ -
	Traffic Signal Conduit		m	\$ -	\$ -
<b>LANDSCAPING</b>					
	Tree Planting		No.	\$ 316.00	\$ -
	Landscaping		m2	\$ 29.00	\$ -
	Topsoil Seeding	3,117	m2	\$ 7.00	\$ 21,900.00
<b>STREET LIGHTING</b>					
	Street Lighting (all Inclusive)	145	m	\$ 396.00	\$ 57,500.00
	Street Lighting - Intersections		Set Per Intersection arm	\$ -	\$ -
<b>OTHER</b>					
	Regulatory Signage	10	No.	\$ 450.00	\$ 4,500.00
	Linemarking	1,491	m2 of pavement	\$ 4.00	\$ 6,000.00
	Landscape maintenance	1		\$ 90,000.00	\$ 90,000.00
	Tactile Pavers (Hazard only)		No.	\$ 420.00	\$ -
<b>GAURDFENCE</b>					
	WRSB		lm	\$ 130.00	\$ -
	W-Beam		lm	\$ 130.00	\$ -
	Terminal		No.	\$ 5,521.00	\$ -
<b>OVERHEADS</b>					
	Surveying and Design		%	8	\$ 69,200.00
	Contingency		%	15	\$ 129,700.00
	Traffic Management		%	2	\$ 17,300.00
	Supervision and Project management		%	9	\$ 77,800.00
	Council Fees		%	5	\$ 43,300.00
	VicRoads Fees		%	6	\$ 51,900.00
	Environmental Management		%	8	\$ 69,200.00
<b>CAPITAL COST</b>					\$ 864,400.00
<b>OVERHEADS COST</b>					\$ 458,400.00
<b>TOTAL ESTIMATED CONSTRUCTION COST</b>					\$ 1,322,800.00



Issue	Description	DR	CH	VE	Date
03	UPDATES FOR COST CLARIFICATIONS	IO	JR	AD	31.07.25
02	UPDATES FOR INTERSECTION 07 INCLUSION	JR	JR	SD	13.06.25
01	FOR INFORMATION	CM	JR	JR	18.03.25



Surveyor  
Architect

Client  
BACCHUS MARSH DEVELOPMENTS

Status FOR INFORMATION NOT TO BE USED FOR CONSTRUCTION			
© Copyright reserved			
Original Issue Signatures			
Drawn	C.MENEZ	Original Size	A1
Designed	J.ROCK	Height Datum	
Project Manager	C.PERKINS	Grid	
Verified	S.DUNSTONE		

Project  
MERRIMU PRECINCT  
BACCHUS MARSH ROAD / FLANAGANS ROAD / WESTERN FREEWAY OFF RAMPS  
INTERSECTION 09 - ULTIMATE

Arcadis Australia Pacific Pty Limited  
Level 18, Queen & Collins Tower  
376-390 Collins Street  
MELBOURNE VIC 3000 Australia  
ABN 76 104 485 289  
Tel No: +61 3 8623 4000  
www.arcadis.com/au

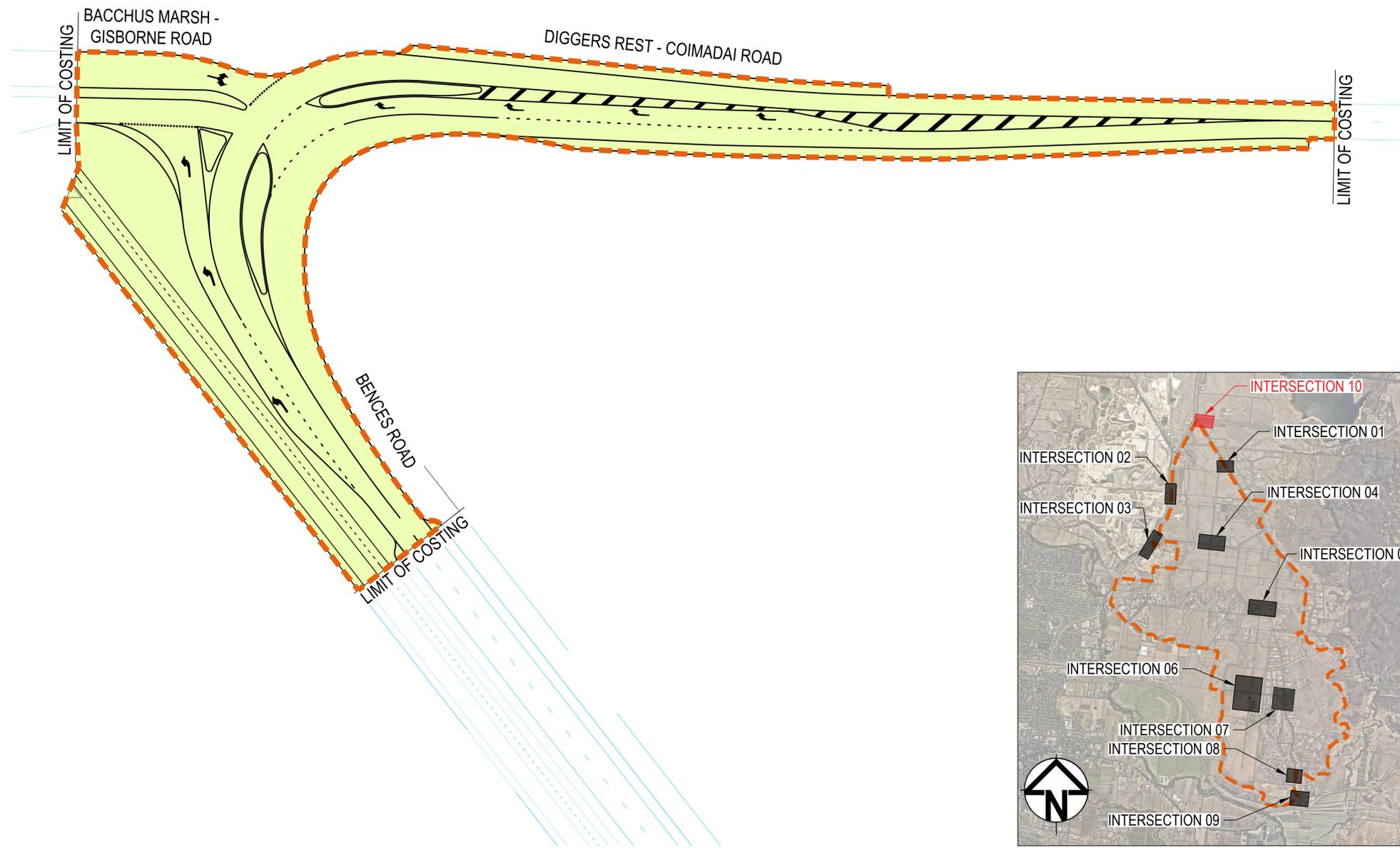
Project Number: 30265493  
Drawing No: MMU-AAP-MP-00-DRG-CI-0320  
Issue: 03

PAVEMENT COMPOSITION				
PAVEMENT COURSE	PRIMARY ARTERIAL	SECONDARY ARTERIAL	CONNECTOR BOULEVARD	CONNECTOR STREET
ASPHALT WEARING COURSE	40	40	40	40
ASPHALT INTERMEDIATE COURSE	75	60	60	60
ASPHALT BASE COURSE	90	75	75	75
PRIME	10	10	10	10
CTCR BASE	150	150	150	150
FCR BASE	150	150	N/A	N/A
SELECT SUB-BASE COURSE	200	150	200	200
CONSTRUCTION LAYER	150	150	150	150
TOTAL DEPTH (mm)	865	785	685	685

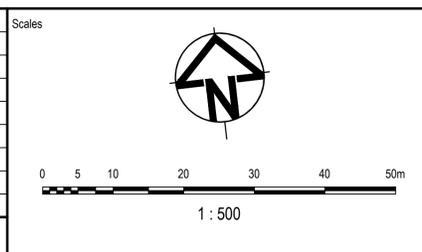
INFRASTRUCTURE - OPINION OF COST  
INTERSECTION IN-10

Item	Description	Quantity	Unit	Rate (\$)	Amount (\$)
<b>SITWORKS AND EARTHWORKS</b>					
	Site Preparation	7,920	%	\$ 7.50	\$ 59,400.00
	Earthworks	4,752	m3	\$ 58.00	\$ 275,700.00
<b>ROAD PAVEMENT</b>					
	Primary Arterial Pavement	3,437	m2	\$ 202.00	\$ 694,300.00
	Secondary Arterial Pavement	1,316	m2	\$ 184.00	\$ 242,200.00
	Collector Arterial Pavement		m2	\$ 163.00	\$ -
	Pavement Rehab		m2	\$ 60.00	\$ -
	Pavement Other		m2	\$ -	\$ -
<b>CONCRETE WORKS</b>					
	Kerb and Channel	729	m	\$ 64.00	\$ 46,700.00
	Cycle Path	300	m2	\$ 80.00	\$ 24,000.00
	SUPI Footpath	144	m2	\$ 80.00	\$ 11,600.00
	Traffic Island		m2	\$ 85.00	\$ -
<b>STORMWATER DRAINAGE</b>					
	Drainage Pipe 300mm CR Billed		m	\$ 370.00	\$ -
	Drainage Pipe 375mm CR Billed	270	m	\$ 490.00	\$ 132,300.00
	Drainage Pipe 450mm CR Billed		m	\$ 540.00	\$ -
	Drainage Pipe 525mm CR Billed	10	m	\$ 720.00	\$ 7,200.00
	Drainage - pits	8	No.	\$ 3,800.00	\$ 30,400.00
	Drainage - Sub-soil drainage	729	m	\$ 35.00	\$ 25,600.00
	Drainage Culvert		No.	\$ -	\$ -
<b>TRAFFIC SIGNALS</b>					
	Traffic Signals	4	Set Per Intersection arm	\$ 150,000.00	\$ 600,000.00
	Traffic Signal Conduit		m	\$ -	\$ -
<b>LANDSCAPING</b>					
	Tree Planting	0	No.	\$ 316.00	\$ -
	Landscaping	0	m2	\$ 29.00	\$ -
	Topsoil Seeding	7,862	m2	\$ 7.00	\$ 55,100.00
<b>STREET LIGHTING</b>					
	Street Lighting (all Inclusive)	840	m	\$ 396.00	\$ 332,700.00
	Street Lighting - Intersections	28	Set Per Intersection arm	\$ -	\$ -
<b>OTHER</b>					
	Regulatory Signage	30	No.	\$ 450.00	\$ 13,500.00
	Linemarking	4,753	m2 of pavement	\$ 4.00	\$ 19,100.00
	Landscape maintenance	1		\$ 90,000.00	\$ 90,000.00
	Tactile Pavers (Hazard only)		No.	\$ 420.00	\$ -
<b>GAUDEFENCE</b>					
	WRSB		lm	\$ 130.00	\$ -
	W-Beam		lm	\$ 130.00	\$ -
	Terminal		No.	\$ 5,521.00	\$ -
<b>OVERHEADS</b>					
	Surveying and Design		%	8	\$ 212,800.00
	Contingency		%	15	\$ 399,000.00
	Traffic Management		%	2	\$ 53,200.00
	Supervision and Project management		%	9	\$ 239,400.00
	Council Fees		%	5	\$ 133,000.00
	VicRoads Fees		%	6	\$ 159,600.00
	Environmental Management		%	8	\$ 212,800.00
	<b>CAPITAL COST</b>				\$ 2,659,800.00
	<b>OVERHEADS COST</b>				\$ 1,409,800.00
	<b>TOTAL ESTIMATED CONSTRUCTION COST</b>				\$ 4,069,600.00

- NOTES:**
- COSTINGS ARE BASED ON THE INTERSECTION LAYOUT PLANS AS PREPARED BY TRAFFIX GROUP.
  - ALL COSTS EXCLUDE GST.
  - COSTS DETERMINED USING TYPICAL CONSTRUCTION RATES FROM SIMILAR PROJECTS
  - PAVEMENT DESIGN IS INDICATIVE ONLY, SUBJECT TO GEOTECHNICAL INVESTIGATION AND DESIGN
  - COSTING IS FOR DESIGN ELEMENT ONLY, NO ALLOWANCE FOR GREATER CONNECTIVITY TO STORMWATER SIZING. NO ALLOWANCE HAS BEEN MADE FOR OVERLAND FLOW OR ONSITE DETENTION OF FLOW
  - ASSUMED LANDSCAPING EXTENTS TO BE THE BOUNDARY, FOOTWAY OR WHERE NEITHER EXIST 6m FROM BACK OF KERB
  - NO ALLOWANCE FOR UTILITIES



Issue	Description	DR	CH	VE	Date
03	UPDATES FOR COST CLARIFICATIONS	IO	JR	AD	31.07.25
02	UPDATES FOR INTERSECTION 07 INCLUSION	JR	JR	SD	13.06.25
01	FOR INFORMATION	CM	JR	JR	18.03.25



Surveyor

Client

Architect

BACCHUS MARSH DEVELOPMENTS

Status

**FOR INFORMATION  
NOT TO BE USED FOR CONSTRUCTION**

© Copyright reserved

Original Issue Signatures

Drawn	C.MENEZ	Original Size	A1
Designed	J.ROCK	Height Datum	
Project Manager	C.PERKINS	Grid	
Verified	S.DUNSTONE		

Project

MERRIMU PRECINCT

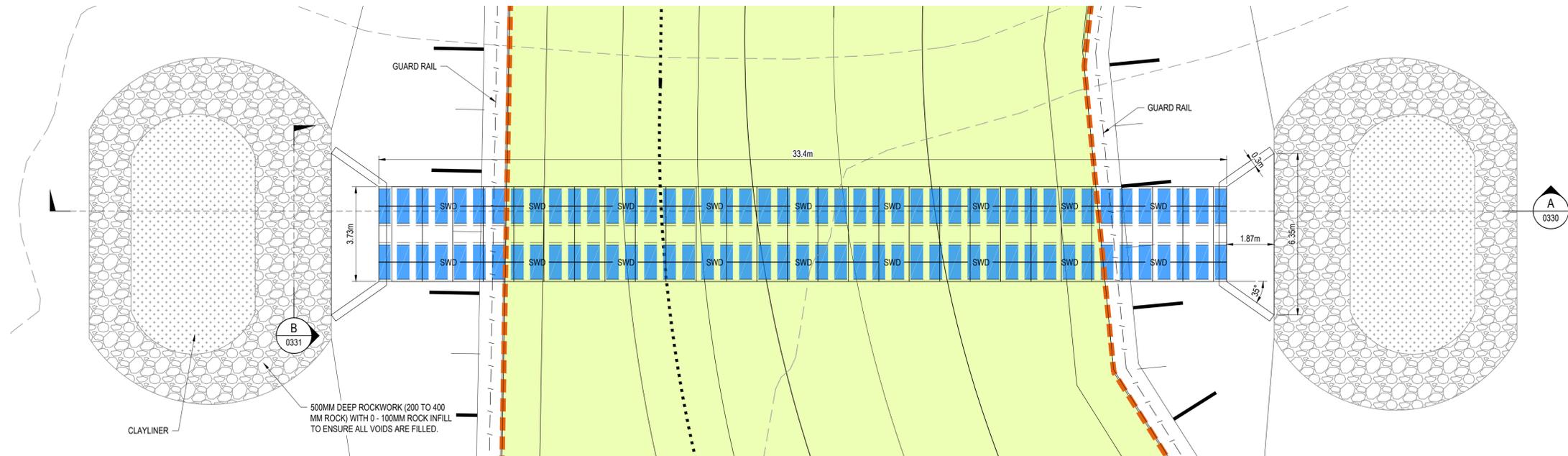
DIGGERS REST - COIMADAI  
ROAD / BENCES ROAD  
INTERSECTION 10

Arcadis Australia Pacific Pty Limited  
Level 18, Queen & Collins Tower  
376-390 Collins Street  
MELBOURNE VIC 3000 Australia  
ABN 76 104 485 289  
Tel No +61 3 8623 4000  
www.arcadis.com/au

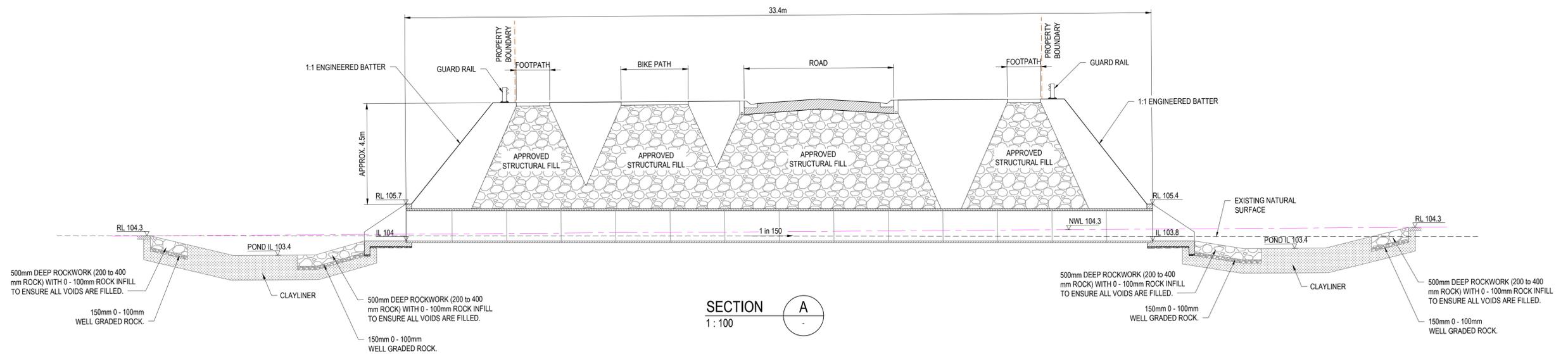
Project Number: 30265493

Drawing No: MMU-AAP-MP-00-DRG-CI-0321

Issue: 03

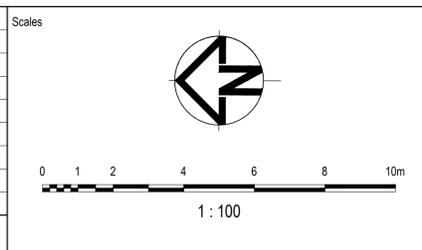


INTERSECTION 08 CULVERT LAYOUT PLAN  
1 : 100



SECTION A  
1 : 100

Issue	Description	DR	CH	VE	Date
01	FOR INFORMATION	RC	JR	JR	15.05.25



Surveyor	-
Client	BACCHUS MARSH DEVELOPMENTS
Architect	-

Status	FOR INFORMATION NOT TO BE USED FOR CONSTRUCTION
Original Issue Signatures	© Copyright reserved
Drawn	R.CRESENCIO
Designed	J.ROCK
Project Manager	C.PERKINS
Verified	S.DUNSTONE

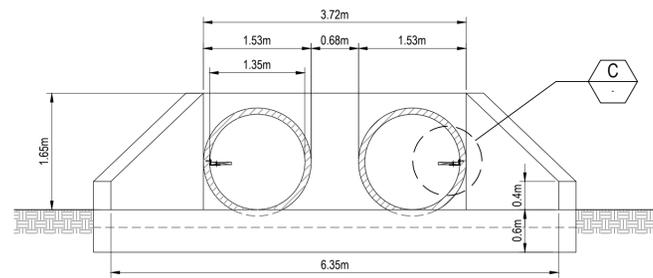
Original Size	A1
Height Datum	
Grid	

Project	MERRIMU PRECINCT
Title	ESCARPMENT CONNECTOR INTERSECTION 08 STORMWATER CULVERT DETAILS SHEET 1

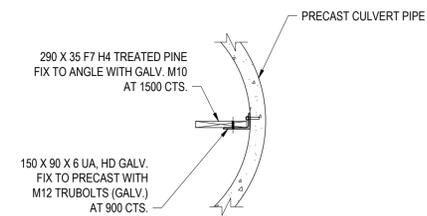
Arcadis Australia Pacific Pty Limited  
Level 18, Queen & Collins Tower  
376-390 Collins Street  
MELBOURNE VIC 3000 Australia  
ABN 76 104 485 289  
Tel No: +61 3 8623 4000  
www.arcadis.com/au

Project Number	30265493
Issue	01

MMU-AAP-MP-00-DRG-CI-0330



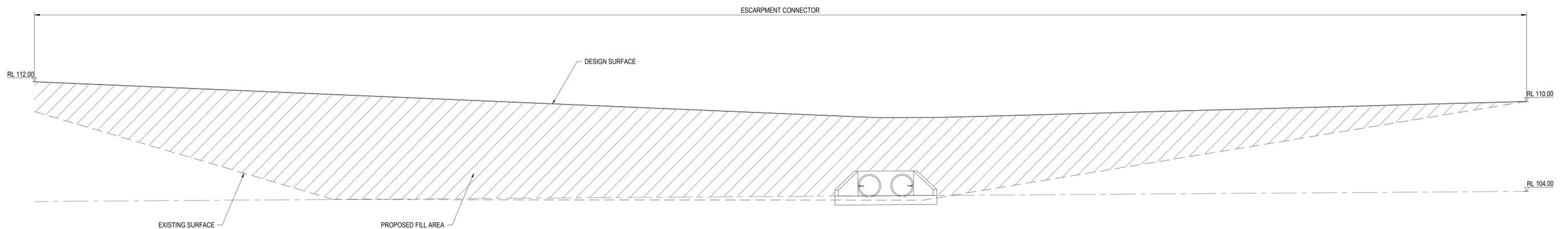
TYPICAL REINFORCED CONCRETE WINGWALL (REFER VICROADS SD 1931)  
NTS



DETAIL C

NOTE: LEVEL OF LEDGE T.B.C.

INTERNAL CULVERT LEDGE DETAIL  
NTS



SECTION D  
NTS

Issue	Description	DR	CH	VE	Date
01	FOR INFORMATION	RC	JR	JR	15.05.25

<p>Scales</p> <p style="text-align: center;">NOT TO SCALE</p>
---

<p>Surveyor</p> <p style="text-align: center;">-</p>
<p>Architect</p> <p style="text-align: center;">-</p>

<p>Client</p> <p style="text-align: center;">BACCHUS MARSH DEVELOPMENTS</p>
---

<p>Status</p> <p style="text-align: center;"><b>FOR INFORMATION NOT TO BE USED FOR CONSTRUCTION</b></p> <p style="text-align: center;">© Copyright reserved</p>			
Original Issue Signatures			
Drawn	R. CRESENCIO	Original Size	<b>A1</b>
Designed	J. ROCK	Height Datum	
Project Manager	C. PERKINS	Grid	
Verified	S. DUNSTONE		

<p>Project</p> <p style="text-align: center;">MERRIMU PRECINCT</p>
<p>Title</p> <p style="text-align: center;"><b>ESCARPMENT CONNECTOR INTERSECTION 08 STORMWATER CULVERT DETAILS SHEET 2</b></p>

Arcadis Australia Pacific Pty Limited  
Level 18, Queen & Collins Tower  
376-390 Collins Street  
MELBOURNE VIC 3000 Australia  
ABN 76 104 485 289  
Tel No: +61 3 8623 4000  
www.arcadis.com/au

Project Number	30265493
Issue	01