

Carson, Lucia

From: Breen, Mike J
Sent: Wednesday, 7 May 2014 2:28 PM
To: Carson, Lucia
Subject: RE: Pedestrian Assessment for Rivett Block 18 Section 28
Attachments: 20140507151916883.pdf

Lucia

As requested please find attached a map showing the extent of the new footpaths and their locations.

Mike Breen

From: Carson, Lucia [mailto:Lucia.Carson@act.gov.au]
Sent: Tuesday, 6 May 2014 9:39 AM
To: Breen, Mike J
Subject: FW: Pedestrian Assessment for Rivett Block 18 Section 28

Morning Mike,

Thank you for advising me of TAMS in principle support of the pedestrian study. Would you please forward a map showing the extent of the new footpaths and their locations in particular the additional footpath to the north which they have requested be located within an easement of a minimum of 6 meters wide. The SIR will need to be revised and TAMS in principle support of the Pedestrian Study included, the costings will also need to be amended.

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Many thanks & regards,

Lucia Carson
Project Officer
Site Preparation
Land Development Agency
Economic Development Directorate
Level 7 TransACT House
470 Northbourne Avenue
DICKSON ACT 2602
T: 6207 9604
F: 6207 7324
E: lucia.carson@act.gov.au

From: Breen, Mike J
Sent: Monday, 5 May 2014 5:59 PM
To: Carson, Lucia
Cc: Grdur, Michael
Subject: Pedestrian Assessment for Rivett Block 18 Section 28

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TAMS correspondence below supporting the pedestrian study submitted but with the provision of an additional path.
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From: Yu, Frank [<mailto:Frank.Yu@act.gov.au>]
Sent: Wednesday, 30 April 2014 3:28 PM
To: Breen, Mike J
Cc: Jatheendran, Lingam; Halestrap, Terry; Moniruzzaman, Asm
Subject: RE: Pedestrian Assessment for Rivett Block 18 Section 28

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Please contact me if you have any queries.

Kind Regards

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Asset Acceptance / Operational Support / Directorate Services
Territory & Municipal Services Directorate (TAMS) | ACT Government
(Ph: (02) 62052970 | Fax: (02) 6207 7484 | E-mail: frank.yu@act.gov.au)
"Great Services - Quality Assets - Better Lifestyles"

From: Breen, Mike J
Sent: Wednesday, 16 April 2014 10:07 AM
To:
Cc: Carson, Lucia; Jatheendran, Lingam
Subject: Pedestrian Assessment for Rivett Block 18 Section 28

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This submission is provided for comment with the purpose of obtaining in principle approval before going to the next stage of design development of the project.

Technical Director



Mott MacDonald

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224 Bunda St, Canberra City ACT 2601
PO Box 224 Civic Square ACT 2608 Australia

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From:

Sent: Monday, 22 July 2013 3:50 PM

To: Jatheendran, Lingam (Lingam.Jatheendran@act.gov.au)

Cc: Breen, Mike J; Lucia Carson (Lucia.Carson@act.gov.au); Grdur, Michael (Michael.Grdur@act.gov.au);

Subject: RE: TaMS Query - Rivett Section 28 Block 13

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Kind regards,

Civil Engineer

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From: Jatheendran, Lingam [<mailto:Lingam.Jatheendran@act.gov.au>]

Sent: 18 July 2013 3:26 PM

To:

Cc: Grdur, Michael; Arul, Adrian; Breen, Mike J

Subject: RE: TaMS Query - Rivett Section 28 Block 13

Hi

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Please note that TAMS has no knowledge of the subject site, it is the responsibility of the consultant to investigate all the issues in consultation with LDA. TAMS will provide comments once a report is produced.

Regards

Lingam Jatheendran

Chief Engineer

**Asset Acceptance Section | Operational Support Branch | Directorate Services Division
Territory & Municipal Services Directorate (TAMS) | ACT Government**

Ph: (02) 6207 6592 | Fax: (02) 6207 7484

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From:

Sent: Friday, 28 June 2013 12:10 PM

To: Jatheendran, Lingam

Cc: Grdur, Michael; Breen, Mike J

Subject: TaMS Query - Rivett Section 28 Block 13

Hi Lingham,

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Could you please review the sketch attached and provide in-principal approval for:

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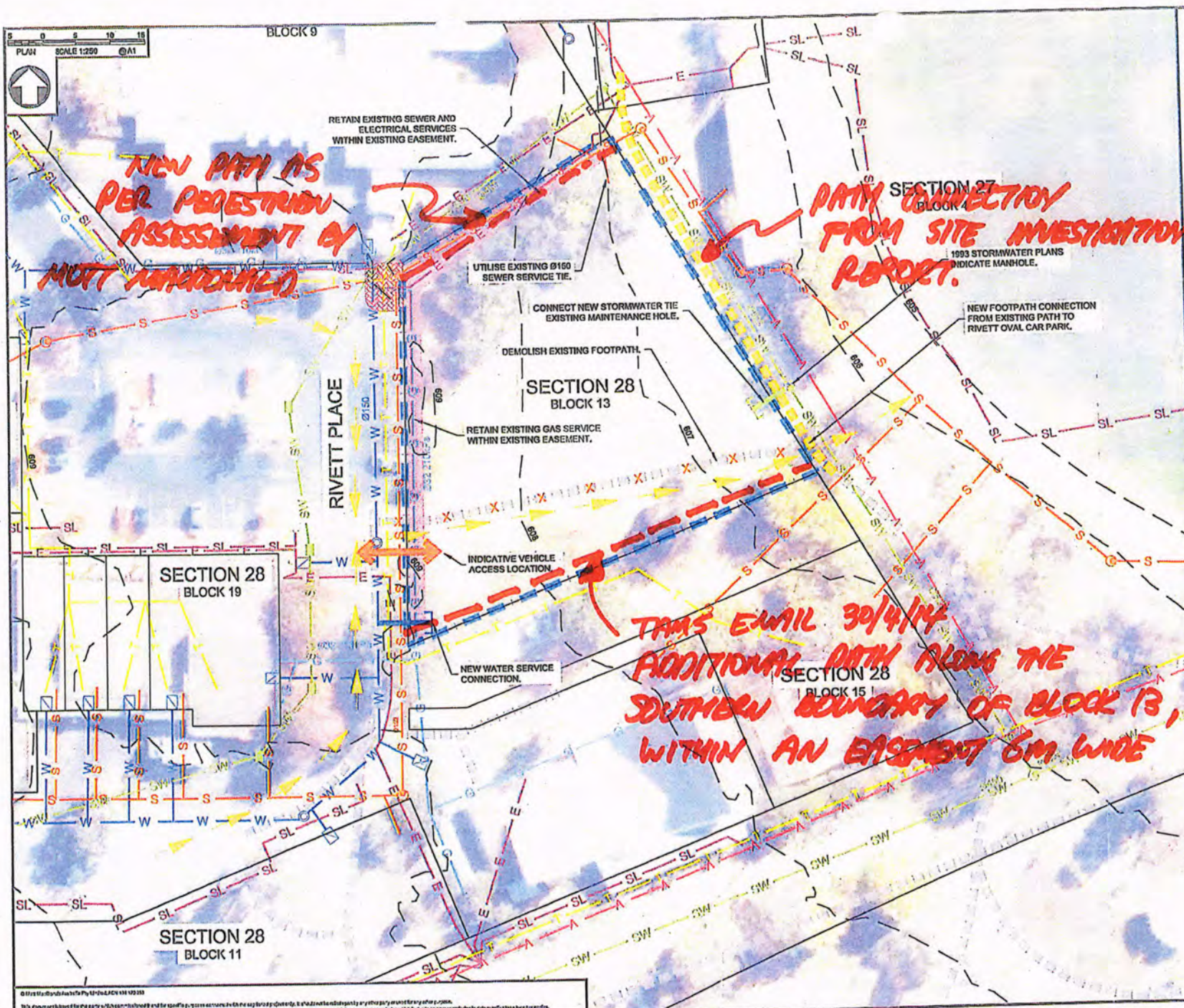
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EXISTING SERVICES

- S - SEWER, 150mm DIA @ 600mm
- SW - STORMWATER, 150mm DIA @ 600mm
- W - WATER, 150mm DIA @ 600mm
- G - GAS
- E - ELECTRICITY (UNDERGROUND)
- A - ELECTRICITY (OVERHEAD)
- SL - STREET LIGHTING
- TELSTRA
- TRANSECT

EXISTING FEATURES

- G10 - 1/20m CONTOUR (ACT/PT 12/07/2013)
- 1/20m CONTOUR OVERLAYS FLOOR PATH (REG WITH SURVEY)
- BOUNDARY BLOCK 13
- SERVICE EASEMENT
- FOOTPATH

PROPOSED FEATURES

- INDICATIVE VEHICLE ACCESS LOCATION
- FOOTPATH
- DEMOLISH EXISTING FOOTPATH
- VERGE PAVED
- STORMWATER TIE
- WATER SERVICE CONNECTION

NOTE:
EXISTING SERVICES HAVE BEEN COMPILED FROM SUPPLIED DATA. THE PRINCIPAL DOES NOT GUARANTEE THE ACCURACY OF THIS INFORMATION.

PI	22.07.2013	ISC	PRELIMINARY	1/3	1/3
Rev	Date	Drawn	Disc/Action	CHK'd	App'd

Mott MacDonald

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F +61 2 9253 1156
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Land Development Agency

**PROPOSED SERVICES PLAN
RIVETT SECTION 28 BLOCK 13**

Designed	U. Collins	Eng check	U. Breen
Drawn	U. Collins	Coord/Rev'd	U. Breen
Design check	U. Breen	Approved	U. Breen
Scale of A1	1:250	Status	PRE
Revision		Rev	P1

Drawing Number
MMD-311006-C-DR-C005-SP-0002

Carson, Lucia

From: Carson, Lucia
Sent: Tuesday, 6 May 2014 9:39 AM
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From: Breen, Mike J
Sent: Wednesday, 16 April 2014 10:07 AM
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Chief Engineer
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Territory & Municipal Services Directorate (TAMS) | ACT Government

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Sale of Professional Services Invoice



FOR THE ATTENTION OF Lucia Carson

LAND DEVELOPMENT AGENCY
GPO BOX 158
CANBERRA ACT 2601

LDA
24 APR 2014
INCOMING MAIL

Mott MacDonald Aust Pty Ltd
Level 6, SAP House
224 Bunda Street
Canberra City ACT 2601
PO Box 224
Civic Square
ACT 2608
Australia

T +61 2 6253 1555
F +61 2 6253 1666

Invoice No	IN00010022	ABN No	13134120353	Date	22 April 2014
Customer PO ref		Customer contact		Customer ABN No	
Our reference	311006	Our Contact	Mike Breen	Customer No	L500904
				Page	1 of 1

Project Description Rivett Section 28 block 13 - Pedestrian Assessment/Purchase Order No L14362 AUD

TAX INVOICE (Summary Attached)

PROFESSIONAL SERVICE FEE

LAND DEVELOPMENT AGENCY - ACCOUNTS PAYABLE					
Entity	Cost Centre	Accounts	Int Trading	Project	Agency
150	16714	111538			
Amount			PO No. L14362		
Goods/Services Received					
Name (print please)			Signature		
Lucia Carson					
Payment Approved					
Delegated Name (print please)			Signature		
H. CHAPPEN					
Designation			Date		
COGB			28/4/14		
FINANCE ONLY					
Description					
Tax Code: 10% AP Free Exempt Outside Scope Capital 10% Capital Free Other - IT, ITCap, NAFN					

Net Value

Zero rated goods ABN 0.00%
Other rated goods 10.00%

GST Amount
Gross Value AUD

This is a payment claim made under the "Building and Construction Industry Security of Payment Act 2002"
Payment terms within 30 days from date of invoice. Payment to be received no later than 22nd May 2014

Please make payment to Mott MacDonald Australia PTY Ltd,

Please e-mail remittance to accountsreceivableau@mottmac.com or mail cheque to Mott MacDonald Aust Pty Ltd

Carson, Lucia

From: Breen, Mike J
Sent: Wednesday, 16 April 2014 10:07 AM
To: Halestrap, Terry
Cc: Carson, Lucia; Jatheendran, Lingam
Subject: Pedestrian Assessment for Rivett Block 18 Section 28
Attachments: Rivett S28B13 Pedestrian Assessment Main Report Rev 1.pdf; Appendix A Rivett S28B13 Pedestrian Assessment.pdf

Terry

Further to previous correspondence with regard the proposal removal of an existing path across Block 13 (refer email trail below) please find attached a pedestrian assessment report.

This submission is provided for comment with the purpose of obtaining in principle approval before going to the next stage of design development of the project.

Mike Breen
Technical Director



Mott MacDonald
Level 6, SAP House
224 Bunda St, Canberra City ACT 2601
PO Box 224 Civic Square ACT 2608Australia

T +61 (0)2 6253 1555
E
W www.mottmac.com

From:
Sent: Monday, 22 July 2013 3:50 PM
To: Jatheendran, Lingam (Lingam.Jatheendran@act.gov.au)
Cc: Breen, Mike J; Lucia Carson (Lucia.Carson@act.gov.au); Grdur, Michael (Michael.Grdur@act.gov.au);
Subject: RE: TaMS Query - Rivett Section 28 Block 13

Hi Lingam,

Thankyou for your response. Mott MacDonald have prepared a proposed services plan (refer attached) for inclusion into the Site Investigation report on the following basis:

- 1. Stormwater Tie**
Mott MacDonald have identified that there is an existing public 525dia stromwater line outside the eastern boundary of the Site within adjacent Section 27 Block 4 – Urban Open Space. This existing stormwater line is located on the low side of the Site. It is considered appropriate for the service tie for Section 28 Block 13 to connect into the existing manhole along this line at the lower eastern corner of the block as shown on the proposed services plan attached.
- 2. Path Connection**
The existing footpath through the Site currently provides access from Rivett shops to the path network within the open space system as well as neaby playground facilities. It is proposed that the existing footpath through the Site be removed and offsite pedestrian facilities be improved by providing footpath continuity to the existing carpark servicing the oval. It is anticipated that the existing footpath south of the development Site could be utilised to access the path network and the playground from the Rivett shops.

3. Vehicle Access

An indicative location for vehicle access has been shown on the proposed service plan. This location is clear of the existing 90 degree parking spaces adjacent to the western boundary of the Site. This proposed driveway location is also clear of the circulation isle of the carpark which serves Rivett shops. Note that the indicative location will provide for a similar arrangement to the existing access driveway for Section 28 Block 15 which is adjacent to the Site.

Rivett Place is a public road and is classified as an access street. There is no visual indication of pavement failure within Rivett Place and it is therefore considered appropriate that waste vehicles utilise Rivett Place to service the waste requirements of the proposed development. The road width of Rivett Place at the proposed access is approximately 7.5m and the verge is approximately 5.5m. It is anticipated that this width should allow a waste vehicle entering the development Site to be perpendicular at the block boundary.

Kind regards,

Civil Engineer
Mott MacDonald

Units 11 & 12, First Floor, Block C, Trevor Pearcey House,
28-30 Traeger Court, Bruce ACT 2617 Australia
www.mottmac.com |

T +61 (0)2 6253 1555 | F +61 (0)2 6253 1666 |
E

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From: Jatheendran, Lingam [<mailto:Lingam.Jatheendran@act.gov.au>]
Sent: 18 July 2013 3:26 PM
To:
Cc: Grdur, Michael; Arul, Adrian; Breen, Mike J
Subject: RE: TaMS Query - Rivett Section 28 Block 13

Hi

You have to carry out further investigation in relation to (1) existing storm water network in the vicinity to identify possible connection, (2) the current use of the existing footpath and the impact of removing them 3) identify the safe location for vehicular access and the impact on other facilities in the vicinity, (4) any other territory plan issues etc

Please note that TAMS has no knowledge of the subject site, it is the responsibility of the consultant to investigate all the issues in consultation with LDA. TAMS will provide comments once a report is produced.

Regards

Lingam Jatheendran
Chief Engineer
Asset Acceptance Section | Operational Support Branch | Directorate Services Division
Territory & Municipal Services Directorate (TAMS) | ACT Government

☎ Ph: (02) 6207 6592 | 📠 Fax: (02) 6207 7484

"Great Services - Quality Assets - Better Lifestyles"



From:
Sent: Friday, 28 June 2013 12:10 PM
To: Jatheendran, Lingam
Cc: Grdur, Michael; Breen, Mike J
Subject: TaMS Query - Rivett Section 28 Block 13

Hi Lingham,

Mott MacDonald is undertaking a Site Investigation Report on behalf the LDA for Rivett Section 28 Block 13. Mott MacDonald is not currently aware of any proposed development for the site however it is listed as a Community Facilities Zone under the Territory Plan.

The following is a brief explanation of the current stormwater and access arrangements indicated on the drawings:

- No stormwater tie for Block 13;
- No vehicular access for Block 13;
- \ footpath through the site linking a trunk path and play ground to Rivett shops.

Could you please review the sketch attached and provide in-principal approval for:

- Stormwater maintenance hole and service tie;
- The demolition of a footpath through Block 13;
- A new footpath connection to the Rivett Oval car park; and
- Location of proposed vehicular access to the site

Please do not hesitate to contact me should you require anything further.

Kind Regards,

Civil Design Drafter

Mott MacDonald

Units 11 & 12, First Floor, Block C, Trevor Pearcey House,
 28-30 Traeger Court, Bruce ACT 2617 Australia
www.mottmac.com

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Rivett Section 28 Block 13

Pedestrian Assessment

April 2014

Land Development Agency





Issue and revision record

Revision	Date	Originator	Checker	Approver	Description
1	15/04/2014	TV	MB	MB	Draft

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Appendices

Appendix A. Pedestrian Counts

Executive Summary

Mott MacDonald has been engaged by the Land Development Agency to undertake a pedestrian assessment in the vicinity of Rivett Section 28 Block 13. This report investigates the issues associated with proposed removal of an existing pedestrian path that currently crosses Block 13.

This report has been prepared in accordance with Mott MacDonald's fee proposal dated 28 March 2014.

The findings of this investigation are as follows:

Existing Path Network

The Rivett shops are served by a path system that provides pedestrian connections to :

- Open space path network to the south
- Playgrounds to the south
- Neighbourhood oval to the east
- Residential areas on the other side of Bangalay Crescent to the west

In addition there is an existing pedestrian desire line between the Rivett shops and the oval facilities indicated by worn grass areas which have formed an informal dirt path.

Pedestrian Survey

The pedestrian survey indicates the following with regard to the existing path through Block 13 :

- This path accounts for approximately 20-25% of pedestrian movements to and from the Rivett shops.
- This path conveyed relatively light pedestrian volumes, in the order of 8-9 pedestrian movements per hour over the survey period.
- This path is not the main pedestrian carrier to the Rivett shops with this path conveying a similar volume of pedestrian movements as the other paths serving the Rivett shops.

Pedestrian Assessment

The recommended path arrangement through Block 13 would be to retain a path connection by realigning the path through the block to suit the development layout ie the existing path through the Block 13 be removed and realigned to the existing pedestrian desire line within the sewer/electrical easement on the northern edge of Block 13. This 50m length of path would need to be carefully located between the trees retained on site and would also be constrained by the easement width.

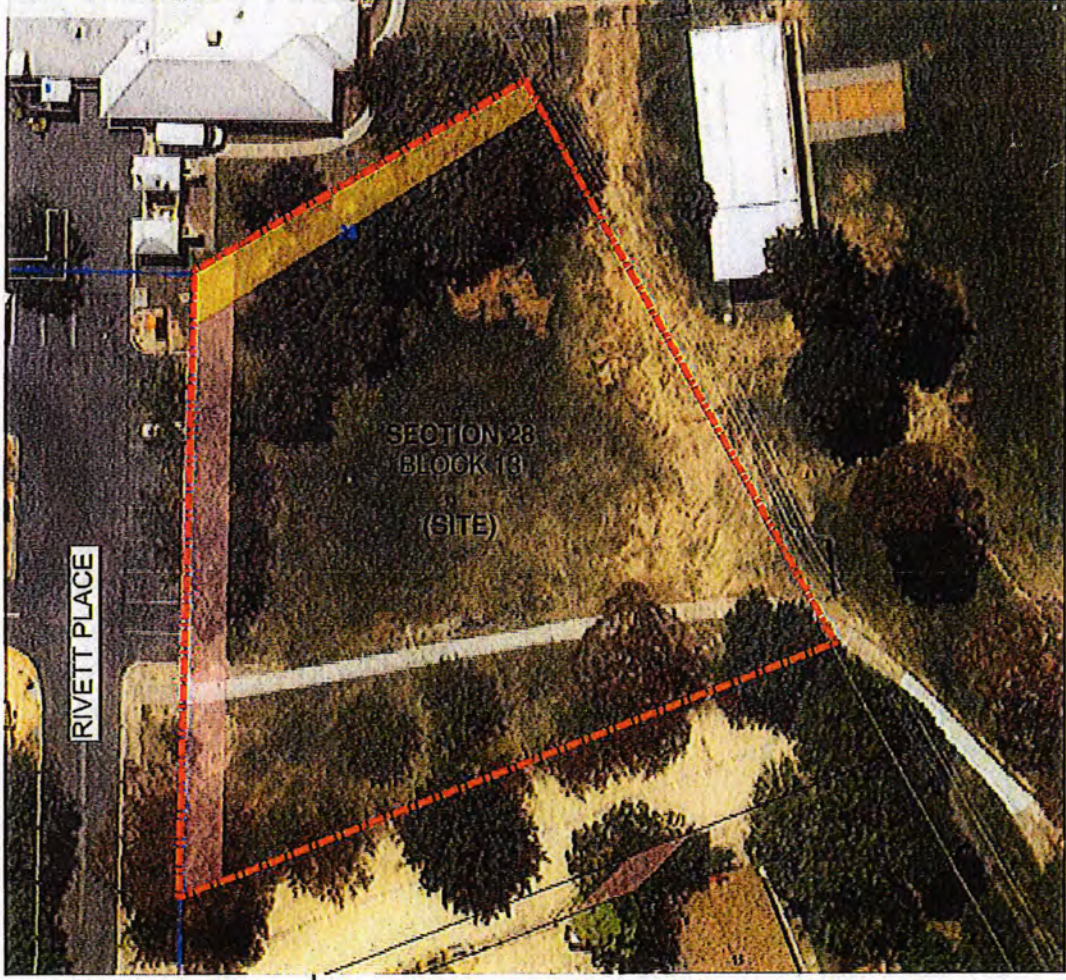
In addition the offsite pedestrian facilities could be upgraded by providing path connection from the open space path to the existing carpark servicing the oval. This 50m length of path could be aligned parallel and external to the eastern boundary of Block 13.

1. Background

1.1 Introduction

This report investigates the issues associated with proposed removal of an existing pedestrian path that currently crosses Block 13. Refer Figure 1.1 below.

Figure 1.1: Rivett Section 28 Block 13 Aerial Photograph (^ North)



1.2 Previous SIR

The Site Investigation Report of July 2012 for Rivett Section 28 Block 13 identified an existing path through the Site which was proposed to be removed.

Preliminary discussions with TAMS have indicated that further investigation beyond the scope of the SIR was required, including observations of pedestrian movements and volumes to be carried out to identify the impact of removing the pedestrian path.

Figure 1.2: Existing path through Block 13



1.3 Purpose of Report

The purpose of this report is to assess the pedestrian movements in the vicinity of Block 13 and identify the impact of removing the pedestrian path across Block 13 in accordance with the Mott MacDonald Fee Proposal dated 28 March 2014 :

- Observations and pedestrian volumes counts on path through Block 13 and adjacent paths – 3 x 2 hour periods
- Prepare maximum two page report
- Prepare plan indicating pedestrian counts and routes
- Submission and discussion with TAMS

This investigation report will form an appendix to the main Sir Investigation Report completed for this site in 2013.

Figure 2.2: Existing path through Block 13 - connection to Rivett shops carpark



2. Pedestrian Assessment

2.1 Existing Path Network

The Rivett shops are served by a path system that provides pedestrian connections to :

- Open space path network to the south
- Playgrounds to the south
- Neighbourhood oval to the east
- Residential areas on the other side of Bangalay Crescent to the west

There is no formal path connection from the Rivett shops to the oval ie there is no path connection to the oval carpark or the oval buildings. The open space path network adjoins the oval but not in the vicinity of the carpark or the buildings. The disturbed dirt area between the oval and Block 13 appears to be caused by maintenance machinery for the oval.

Figure 2.1: Existing path network Rivett Shops (^ North)



There is an existing pedestrian desire line between the Rivett shops and the oval facilities indicated by worn grass areas which have formed an informal dirt path. This informal path is aligned between trees and coincides with the sewer/electrical easement on the northern edge of Block 13. Although the oval carpark was not highly utilised during the parking survey there were some pedestrian movements noted along this informal path. It is envisaged that this informal path would be well utilised when the oval carpark is highly utilised on busy sporting days.

Figure 2.2a: Existing pedestrian desire line Rivett shops to oval



Figure 2.2b: Existing pedestrian desire line Rivett shops to oval (^ South)



2.2 Pedestrian Survey

The pedestrian survey was undertaken during the expected busier operating times of the Rivett shops and the adjoining facilities ie :

- After school Wednesday
- During football training after school Thursday
- Saturday morning

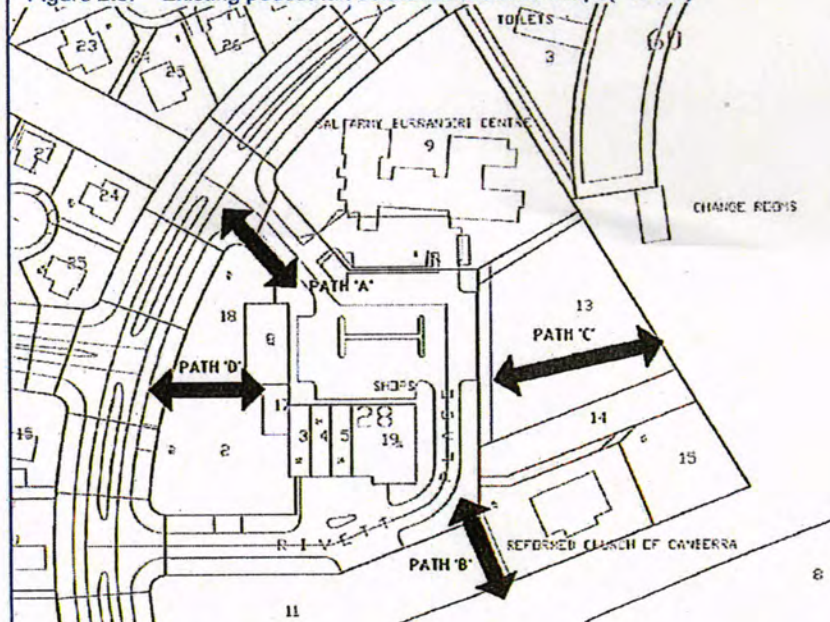
The results of the pedestrian survey are indicated in the table below :

Table 2.1 - Pedestrian Survey Data

Pedestrian Movements	Wednesday 9/4/13 3-5pm	Thursday 10/4/13 4-6pm	Saturday 11/4/13 10-12pm	Total
Path A	28	8	26	62
Path B	13	13	16	42
Path C	16	11	23	50
Path D	17	15	36	68
Total	74	47	101	222

Details of the pedestrian counts are provided in Appendix A. The number of pedestrian movements in the above table indicates total movements in each direction ie to and from the Rivett shops.

Figure 2.3: Existing pedestrian connections Rivett shops(^ North)



2.3 Pedestrian Assessment

The pedestrian survey indicates the following with regard to the existing path through Block 13 (Path C) :

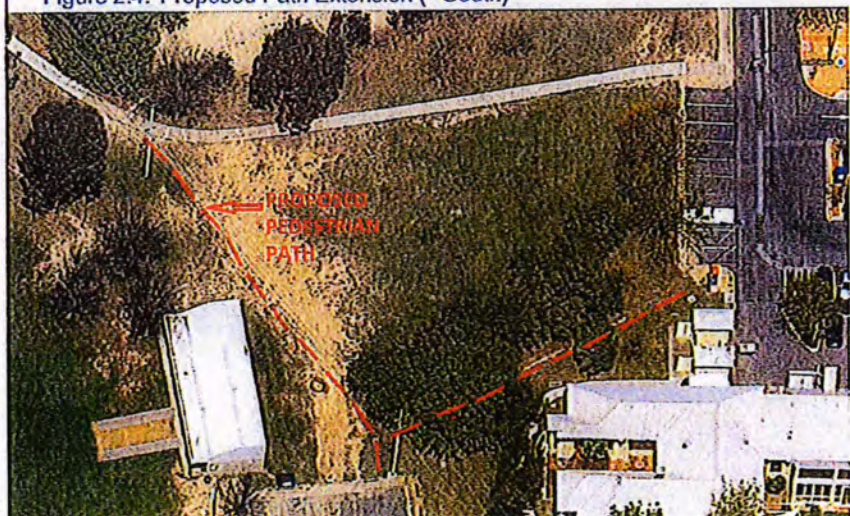
- This path accounts for approximately 20-25% of pedestrian movements to and from the Rivett shops
- This path conveyed relatively light pedestrian volumes, in the order of 8-9 pedestrian movements per hour during the survey.
- This path is not the main pedestrian carrier to the Rivett shops with this path conveying a similar volume of pedestrian movements as the other paths serving the Rivett shops.

The existing path to the south of the Rivett shops (Path D) provides connections to both the playgrounds and open space path network. The removal or relocation of the path through Block 13 will not sever the link to these facilities from the Rivett shops.

Based on this assessment the recommended path arrangement through Block 13 would be to retain a path connection as part of the development of the site by realigning the path through the block to suit the development layout ie the existing path through the Block 13 be removed and realigned to the existing pedestrian desire line within the sewer/electrical easement on the northern edge of Block 13. This 50m length of path would need to be carefully located between the trees retained on site and would also be constrained by the easement width.

In addition the offsite pedestrian facilities could be upgraded by providing path connection from the open space path to the existing carpark servicing the oval. This 50m length of path could be aligned parallel and external to the eastern boundary of Block 13.

Figure 2.4: Proposed Path Extension (^ South)





Appendices

Appendix A. Pedestrian Counts



Appendix A. Pedestrian Counts

Pedestrian Count – Rivett Shopping precinct : Date Wednesday, April 9, 2014 – Mild overcast day									
		Time							
Path	No. of People	3-3.15	3.15-3.30	3.30-3.45	3.45-4.00	4.00-4.15	4.15-4.30	4.30-4.45	4.45-5.00
Path - A	Incoming	2a	2	3a	1	3	3	1a + 1	3
	Outgoing	1a	2		1	2	2	1	
Path - B	Incoming				2	1	1	3	
	Outgoing	2			1			2	1
Path - C	Incoming	1	2	1					3
	Outgoing	3				1	2	1	2
Path - D	Incoming	7							
	Outgoing	10							

a – walked on the opposite path parallel to Path A

Pedestrian Count – Rivett Shopping precinct : Date Thursday, April 10, 2014 – Mild day with light rain									
		Time							
Path	No. of People	4-4.15	4.15-4.30	4.30-4.45	4.45-5.00	5.00-5.15	5.15-5.30	5.30-5.45	5.45-6.00
Path - A	Incoming				1	1			2
	Outgoing					1	1	1	1
Path - B	Incoming	2		1			2	1	1
	Outgoing	1		1			2	2	
Path - C	Incoming	1		1	1	1			
	Outgoing		2#	1		1+1V		5V	1+7V+2*
Path - D	Incoming	2	4		1			1	
	Outgoing	2			1	3	1		

* - Two people parked their cars in the shopping centre car park, and then walked across the block towards the playing fields.

- Two boys walked across the block heading towards the playing fields.

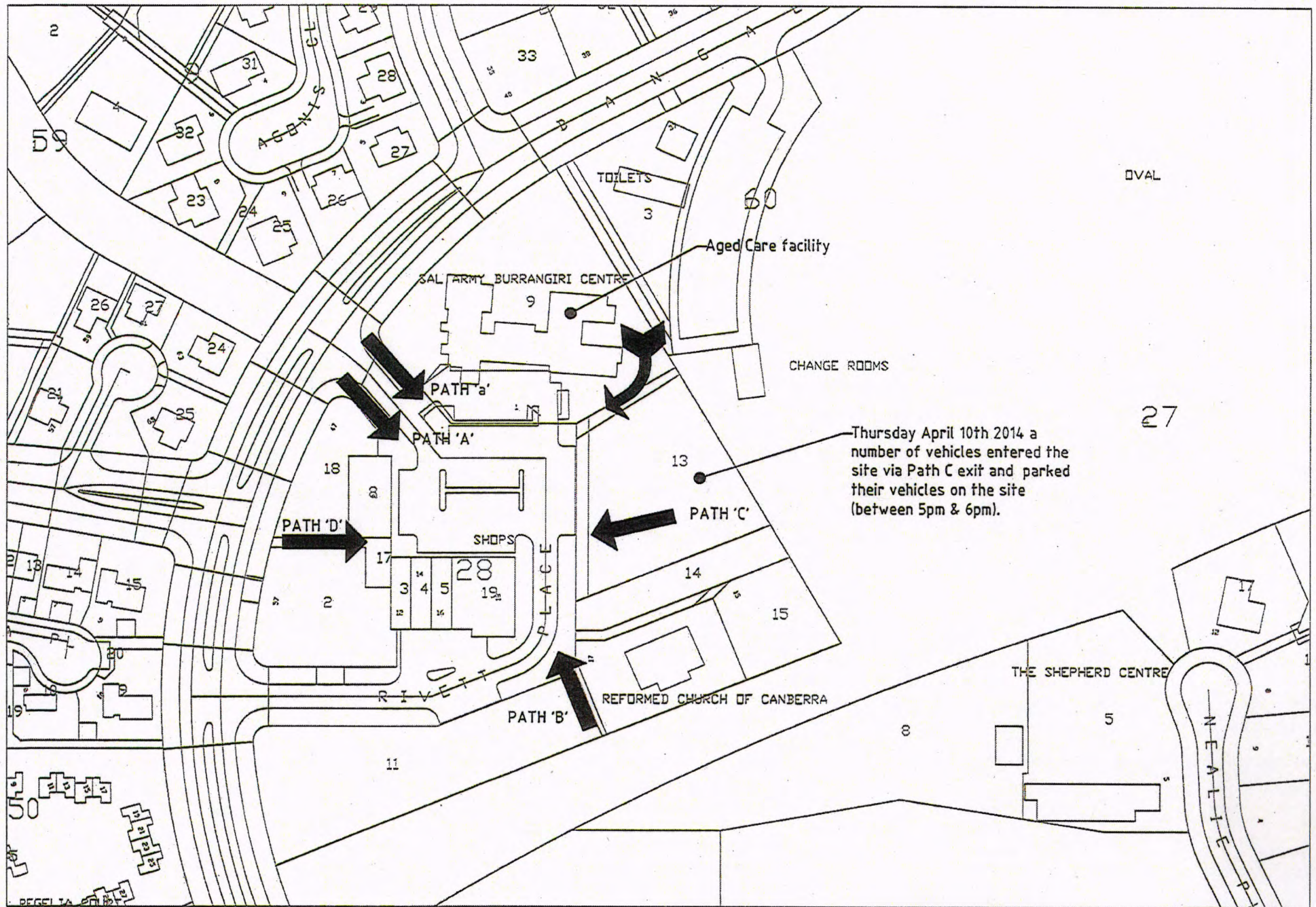
V – A number of vehicles (noted above) accessed the playing field via the Path C crossing, and parked their vehicles on the block.

Not recorded above, however a lady walking her dogs used the path adjacent the Aged care facility (entering the shopping centre area).

Pedestrian Count – Rivett Shopping precinct : Date Saturday, April 12, 2014 – Sunny day, partly cloudy & windy									
Time									
Path	No. of People	10-10.15	10.15-10.30	10.30-10.45	10.45-11.00	11.00-11.15	11.15-11.30	11.30-11.45	11.45-12.00
Path - A	Incoming	2	3+1a		1a+1	2			1a
	Outgoing	2	1	5	1	2	2a		1
Path - B	Incoming			3	5		1	1	1
	Outgoing			3		1			1
Path - C	Incoming	1		5	1	2		1	
	Outgoing		1	3	2	2	1	2	2
Path - D	Incoming		1		8	5	2	2	2
	Outgoing		2	1	4	5	2		2

a – walked on the opposite path parallel to Path A.

Not recorded above, however 3 adults used the path adjacent the Aged care facility at different times during the sample period. (All three entered the shopping centre area; however two used different paths to exit the shopping centre area).



ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names	'13	Jul '13	Aug '13	Sep '13	Oct '13	Nov '13	Dec '13	Jan '14	Feb '14	Mar '14	Apr '14	May '14						
1	Rivett Block 13 Section 28	36 days?	Mon 17/06/13	Mon 05/08/13			10/17/24	01/08/15	22/29/05	12/19/26	02/09/16	23/30/07	14/21/28	04/11/18	25/02/09	16/23/30	06/13/20	27/03/10	17/24/03	10/17/24	03/10/17	24/31/07	14/21/28	05/12/19
2	SIR undertaken by Mott MacDonald	35 days?	Mon 17/06/13	Fri 02/08/13																				
3	Traffic Assessment	35 days?	Mon 17/06/13	Fri 02/08/13																				
4																								
5	Contam. Undertaken by Coffey	35 days	Tue 18/06/13	Mon 05/08/13																				
6																								
7	TREE ASSESSMENT - Envirolinks	35 days	Tue 18/06/13	Mon 05/08/13																				
8	Tree Assessment undertaken	35 days	Tue 18/06/13	Mon 05/08/13																				
9																								
10	SURVEY	2 days	Thu 20/03/14	Fri 21/03/14																				
11	Survey undertaken to determine low point	2 days	Thu 20/03/14	Fri 21/03/14																				
12																								
13	PEDESTRIAN COUNT	17 days?	Tue 01/04/14	Wed 23/04/14																				
14	Pedestrian Count Undertaken	11 days?	Tue 01/04/14	Tue 15/04/14																				
15	Forward to TAMS for comment / support	6 days	Wed 16/04/14	Wed 23/04/14	14																			
16																								
17	STORMWATER OVERLAND STUDY	23 days?	Tue 15/04/14	Thu 15/05/14																				
18	Overland Stormwater Study	23 days?	Tue 15/04/14	Thu 15/05/14																				

✓ 77
Carson, Lucia

From: Carson, Lucia on behalf of LDA, Planning & Design
Sent: Wednesday, 16 April 2014 9:22 AM
To: Breen, Mike J
Subject: RE: Pedestrian Assessment for Rivett Block 18 Section 28

Morning Mike,

Read the report yesterday afternoon, it all appears fine with me. Could you please forward to TAMS for their comment / in principle support.

Regards,

Lucia

-----Original Message-----

From: Breen, Mike J
Sent: Tuesday, 15 April 2014 2:06 PM
To: Carson, Lucia
Subject: RE: Pedestrian Assessment for Rivett Block 18 Section 28

Lucia

Yes I will but have given you a copy to report to check LDA are comfortable with the findings and to answer any queries LDA may have with the report before passing onto TAMS.
Mike Breen

-----Original Message-----

From: Carson, Lucia [<mailto:Lucia.Carson@act.gov.au>]
Sent: Tuesday, 15 April 2014 2:03 PM
To: Breen, Mike J
Subject: FW: Pedestrian Assessment for Rivett Block 18 Section 28

Mike,

Are you sending this report to TAMS for inprincipal support?

Regards,

Lucia

-----Original Message-----

From: Breen, Mike J
Sent: Tuesday, 15 April 2014 10:47 AM
To: Carson, Lucia
Subject: Pedestrian Assessment for Rivett Block 18 Section 28

Lucia

Please find attached pedestrian assessment for report.
Mike Breen

-----Original Message-----

From: Carson, Lucia [<mailto:Lucia.Carson@act.gov.au>]
Sent: Wednesday, 2 April 2014 10:58 AM
To: Breen, Mike J

Subject: Purchase Order Number for Pedestrian Assessment for Rivett Block 18 Section 28

Morning Mike,

Attached above is the Purchase Order Number for the Pedestrian Assessment for Rivett Block 18 Section 28. Once the pedestrian count has been undertaken and you are ready to forward your invoice could you please make sure that the purchase order number is clearly visible on the invoice you forward to the Land Development Agency.

Many thanks & regards,

Lucia Carson
Project Officer
Site Preparation
Land Development Agency
Economic Development Directorate
Level 7 TransACT House
470 Northbourne Avenue
DICKSON ACT 2602
T: 6207 9604
 : 6207 7324
e: lucia.carson@act.gov.au

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Attachments: Rivett S28B13 Pedestrian Assessment Main Report Rev 1.pdf; Appendix A Rivett S28B13 Pedestrian Assessment.pdf

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Land Development Agency
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Project Officer
Site Preparation
Land Development Agency

Economic Development Directorate
Level 7 TransACT House
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1.3 Submission & Discussion with
TAMS.
Questions forwarded to Mike Breen
attached.



Rivett Section 28 Block 13

Pedestrian Assessment

April 2014

Land Development Agency



Issue and revision record

Revision	Date	Originator	Checker	Approver	Description
1	15/04/2014	TV	MB	MB	Draft

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Appendices

Appendix A. Pedestrian Counts



Executive Summary

Mott MacDonald has been engaged by the Land Development Agency to undertake a pedestrian assessment in the vicinity of Rivett Section 28 Block 13. This report investigates the issues associated with proposed removal of an existing pedestrian path that currently crosses Block 13.

This report has been prepared in accordance with Mott MacDonald's fee proposal dated 28 March 2014.

The findings of this investigation are as follows:

Existing Path Network

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- Open space path network to the south
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- Neighbourhood oval to the east
- Residential areas on the other side of Bangalay Crescent to the west

In addition there is an existing pedestrian desire line between the Rivett shops and the oval facilities indicated by worn grass areas which have formed an informal dirt path.

Pedestrian Survey

The pedestrian survey indicates the following with regard to the existing path through Block 13 :

- This path accounts for approximately 20-25% of pedestrian movements to and from the Rivett shops.
- This path conveyed relatively light pedestrian volumes, in the order of 8-9 pedestrian movements per hour over the survey period.
- This path is not the main pedestrian carrier to the Rivett shops with this path conveying a similar volume of pedestrian movements as the other paths serving the Rivett shops.

Pedestrian Assessment

The recommended path arrangement through Block 13 would be to retain a path connection by realigning the path through the block to suit the development layout ie the existing path through the Block 13 be removed and realigned to the existing pedestrian desire line within the sewer/electrical easement on the northern edge of Block 13. This 50m length of path would need to be carefully located between the trees retained on site and would also be constrained by the easement width.

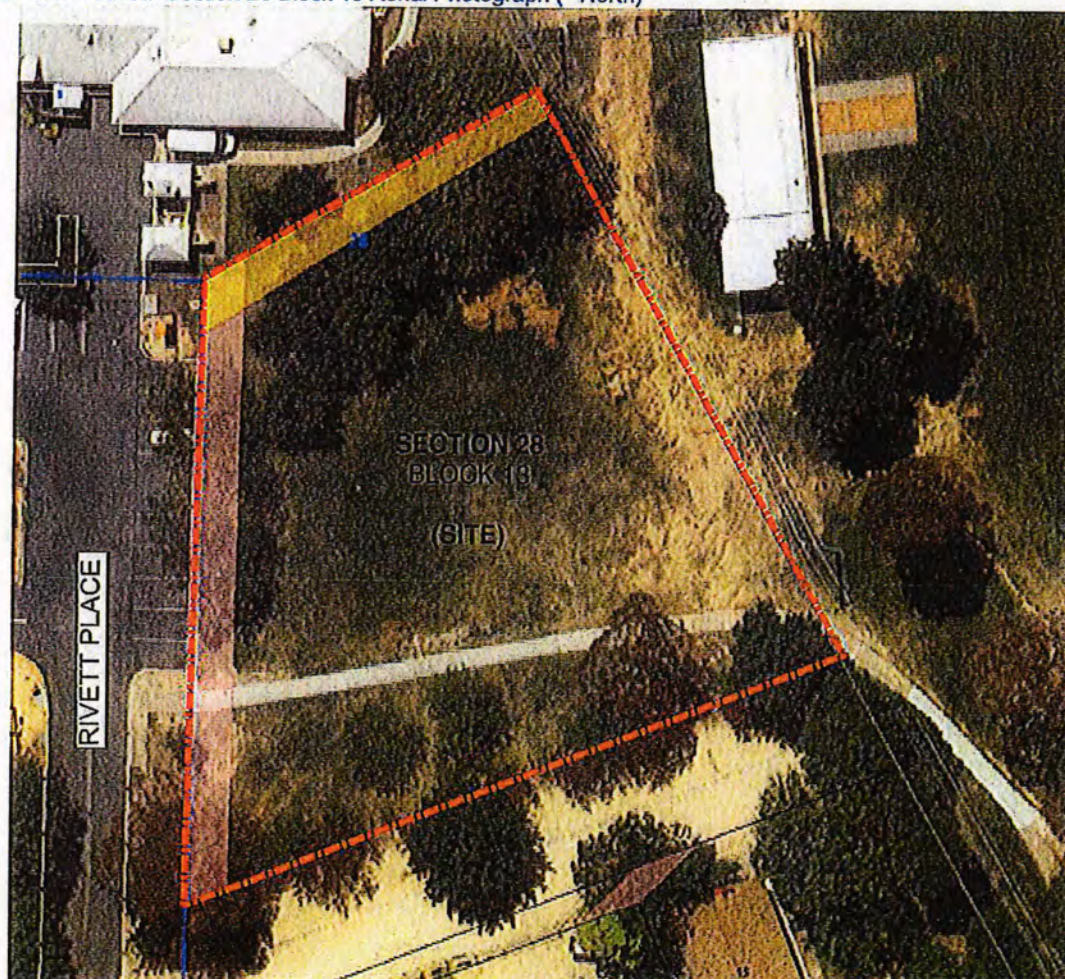
In addition the offsite pedestrian facilities could be upgraded by providing path connection from the open space path to the existing carpark servicing the oval. This 50m length of path could be aligned parallel and external to the eastern boundary of Block 13.

1. Background

1.1 Introduction

This report investigates the issues associated with proposed removal of an existing pedestrian path that currently crosses Block 13. Refer Figure 1.1 below.

Figure 1.1: Rivett Section 28 Block 13 Aerial Photograph (^ North)



1.2 Previous SIR

The Site Investigation Report of July 2012 for Rivett Section 28 Block 13 identified an existing path through the Site which was proposed to be removed.

Preliminary discussions with TAMS have indicated that further investigation beyond the scope of the SIR was required, including observations of pedestrian movements and volumes to be carried out to identify the impact of removing the pedestrian path.

Figure 1.2: Existing path through Block 13



1.3 Purpose of Report

The purpose of this report is to assess the pedestrian movements in the vicinity of Block 13 and identify the impact of removing the pedestrian path across Block 13 in accordance with the Mott MacDonald Fee Proposal dated 28 March 2014 :

- Observations and pedestrian volumes counts on path through Block 13 and adjacent paths – 3 x 2 hour periods
- Prepare maximum two page report
- Prepare plan indicating pedestrian counts and routes
- **Submission and discussion with TAMS**

This investigation report will form an appendix to the main Sir Investigation Report completed for this site in 2013.

Figure 2.2: Existing path through Block 13 - connection to Rivett shops carpark



2. Pedestrian Assessment

2.1 Existing Path Network

The Rivett shops are served by a path system that provides pedestrian connections to :

- Open space path network to the south
- Playgrounds to the south
- Neighbourhood oval to the east
- Residential areas on the other side of Bangalay Crescent to the west

There is no formal path connection from the Rivett shops to the oval ie there is no path connection to the oval carpark or the oval buildings. The open space path network adjoins the oval but not in the vicinity of the carpark or the buildings. The disturbed dirt area between the oval and Block 13 appears to be caused by maintenance machinery for the oval.

assessments, trees! footpath.

Figure 2.1: Existing path network Rivett Shops (^ North)



There is an existing pedestrian desire line between the Rivett shops and the oval facilities indicated by worn grass areas which have formed an informal dirt path. This informal path is aligned between trees and coincides with the sewer/electrical easement on the northern edge of Block 13. Although the oval carpark was not highly utilised during the parking survey there were some pedestrian movements noted along this informal path. It is envisaged that this informal path would be well utilised when the oval carpark is highly utilised on busy sporting days.

Figure 2.2a: Existing pedestrian desire line Rivett shops to oval



Figure 2.2b: Existing pedestrian desire line Rivett shops to oval (^ South)



2.2 Pedestrian Survey

The pedestrian survey was undertaken during the expected busier operating times of the Rivett shops and the adjoining facilities ie :

- After school Wednesday
- During football training after school Thursday
- Saturday morning

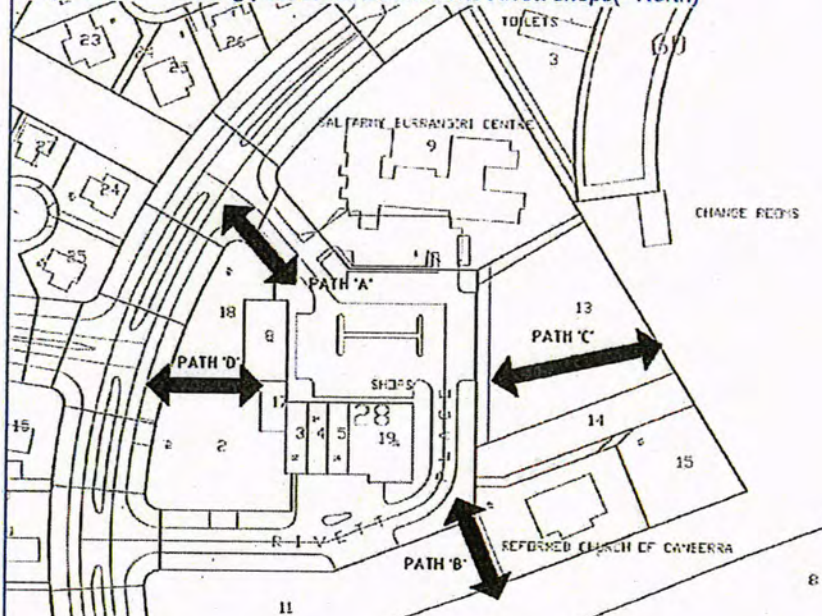
The results of the pedestrian survey are indicated in the table below :

Table 2.1 - Pedestrian Survey Data

Pedestrian Movements	Wednesday 9/4/13 3-5pm	Thursday 10/4/13 4-6pm	Saturday 11/4/13 10-12pm	Total
Path A	28	8	26	62
Path B	13	13	16	42
Path C	16	11	23	50
Path D	17	15	36	68
Total	74	47	101	222

Details of the pedestrian counts are provided in Appendix A. The number of pedestrian movements in the above table indicates total movements in each direction ie to and from the Rivett shops.

Figure 2.3: Existing pedestrian connections Rivett shops (^ North)



2.3 Pedestrian Assessment

The pedestrian survey indicates the following with regard to the existing path through Block 13 (Path C) :

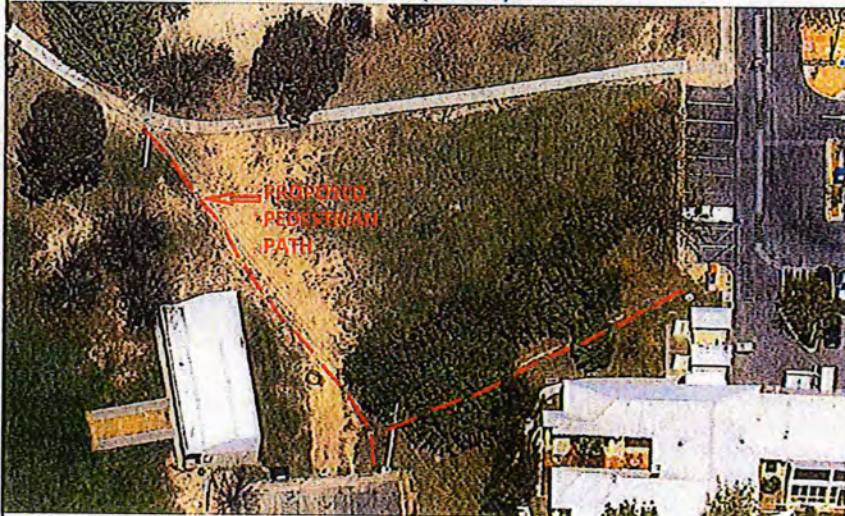
- This path accounts for approximately 20-25% of pedestrian movements to and from the Rivett shops
- This path conveyed relatively light pedestrian volumes, in the order of 8-9 pedestrian movements per hour during the survey.
- This path is not the main pedestrian carrier to the Rivett shops with this path conveying a similar volume of pedestrian movements as the other paths serving the Rivett shops.

The existing path to the south of the Rivett shops (Path D) provides connections to both the playgrounds and open space path network. The removal or relocation of the path through Block 13 will not sever the link to these facilities from the Rivett shops.

Based on this assessment the recommended path arrangement through Block 13 would be to retain a path connection as part of the development of the site by realigning the path through the block to suit the development layout ie the existing path through the Block 13 be removed and realigned to the existing pedestrian desire line within the sewer/electrical easement on the northern edge of Block 13. This 50m length of path would need to be carefully located between the trees retained on site and would also be constrained by the easement width.

In addition the offsite pedestrian facilities could be upgraded by providing path connection from the open space path to the existing carpark servicing the oval. This 50m length of path could be aligned parallel and external to the eastern boundary of Block 13.

Figure 2.4: Proposed Path Extension (^ South)



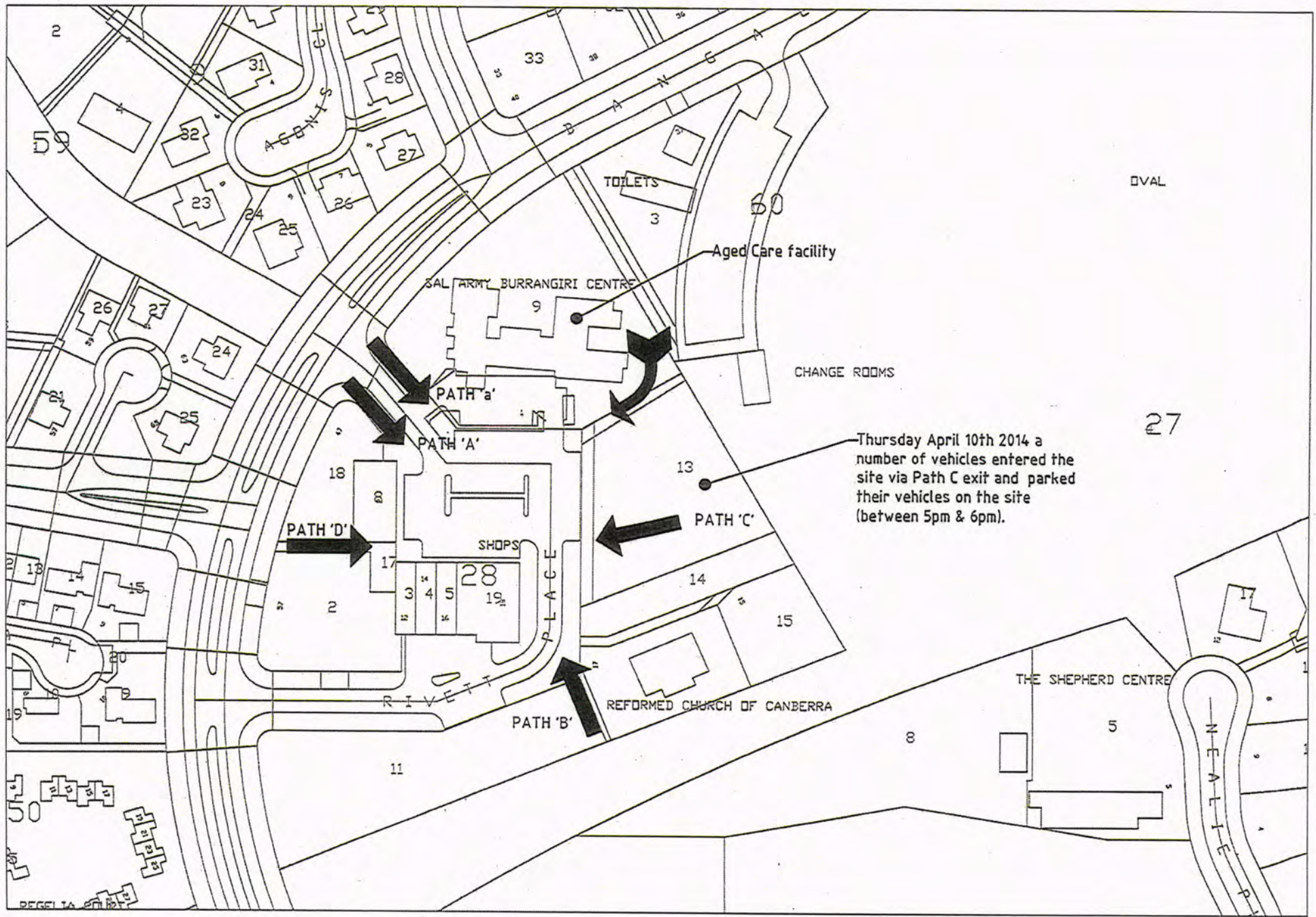


Appendices

Appendix A. Pedestrian Counts



Appendix A. Pedestrian Counts



Thursday April 10th 2014 a number of vehicles entered the site via Path C exit and parked their vehicles on the site (between 5pm & 6pm).

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Pedestrian Count – Rivett Shopping precinct : Date Wednesday, April 9, 2014 – Mild overcast day									
		Time							
Path	No. of People	3-3.15	3.15-3.30	3.30-3.45	3.45-4.00	4.00-4.15	4.15-4.30	4.30-4.45	4.45-5.00
Path - A	Incoming	2a	2	3a	1	3	3	1a + 1	3
	Outgoing	1a	2		1	2	2	1	
Path - B	Incoming				2	1	1	3	
	Outgoing	2			1			2	1
Path - C	Incoming	1	2	1					3
	Outgoing	3				1	2	1	2
Path - D	Incoming	7							
	Outgoing	10							

a – walked on the opposite path parallel to Path A

Pedestrian Count – Rivett Shopping precinct : Date Thursday, April 10, 2014 – Mild day with light rain									
		Time							
Path	No. of People	4-4.15	4.15-4.30	4.30-4.45	4.45-5.00	5.00-5.15	5.15-5.30	5.30-5.45	5.45-6.00
Path - A	Incoming				1	1			2
	Outgoing					1	1	1	1
Path - B	Incoming	2		1			2	1	1
	Outgoing	1		1			2	2	
Path - C	Incoming	1		1	1	1			
	Outgoing		2#	1		1+1V		5V	1+7V+2*
Path - D	Incoming	2	4		1			1	
	Outgoing	2			1	3	1		

* - Two people parked their cars in the shopping centre car park, and then walked across the block towards the playing fields.

- Two boys walked across the block heading towards the playing fields.

V – A number of vehicles (noted above) accessed the playing field via the Path C crossing, and parked their vehicles on the block.

Not recorded above, however a lady walking her dogs used the path adjacent the Aged care facility (entering the shopping centre area).

Pedestrian Count – Rivett Shopping precinct : Date Saturday, April 12, 2014 – Sunny day, partly cloudy & windy									
Time									
Path	No. of People	10-10.15	10.15-10.30	10.30-10.45	10.45-11.00	11.00-11.15	11.15-11.30	11.30-11.45	11.45-12.00
Path - A	Incoming	2	3+1a		1a+1	2			1a
	Outgoing	2	1	5	1	2	2a		1
Path - B	Incoming			3	5		1	1	1
	Outgoing			3		1			1
Path - C	Incoming	1		5	1	2		1	
	Outgoing		1	3	2	2	1	2	2
Path - D	Incoming		1		8	5	2	2	2
	Outgoing		2	1	4	5	2		2

a – walked on the opposite path parallel to Path A.

Not recorded above, however 3 adults used the path adjacent the Aged care facility at different times during the sample period. (All three entered the shopping centre area; however two used different paths to exit the shopping centre area).