

CHRISTOPHER STAPLETON CONSULTING

27th June 2002

Randwick City Council
30 Frances Street
Randwick NSW 2031

Att: John Stephens

LENTHALL STREET OD STUDY JUNE 2002

Dear John,

Please find attached an excel spreadsheet showing the results of the OD survey. You will note that the survey actually contains a full sample, i.e. all vehicles entering or leaving the local network were tagged.

There are some issues you should note: -

- ☐ There are a reasonable number of vehicles that enter and depart Virginia Street at Lenthall Street, which might not actually be through trips but trips to local residents/businesses.
- ☐ The number of vehicles using the local streets to by-pas the intersection of Lenthall Street and Todman Avenue is almost identical to the number that uses the intersection.
- ☐ General traffic flows in the local street are very low.
- ☐ The primary through route during each of the three survey periods is via Baker Street and Virginia Street – as we suspected.

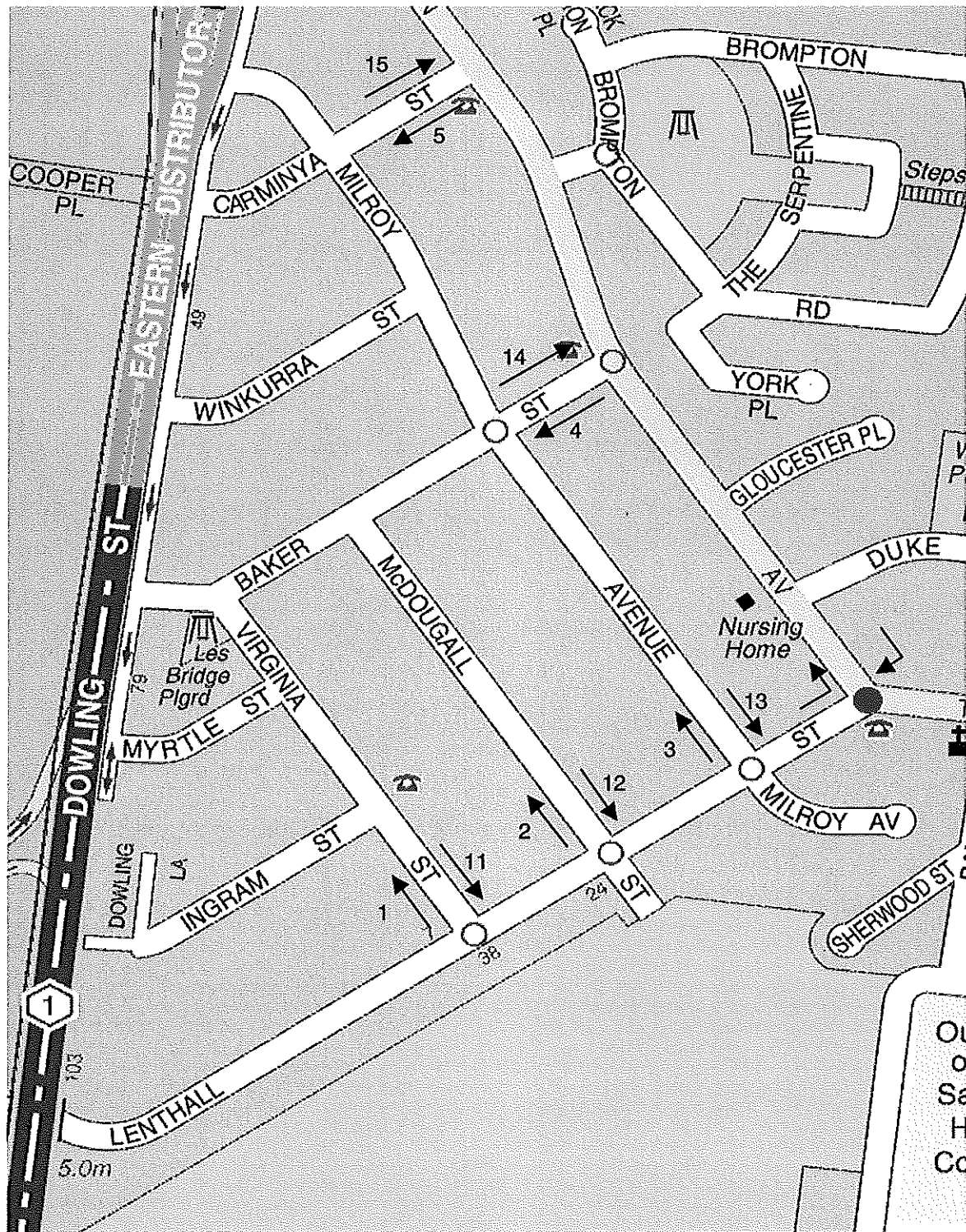
As a final comment, please note that the flows shown in the OD matrices are two hour counts, which I have halved for inclusion in the prepared Figures.

If you have any further questions, please do not hesitate to contact me on 9449 5161. I will send an invoice tomorrow.

Yours sincerely,

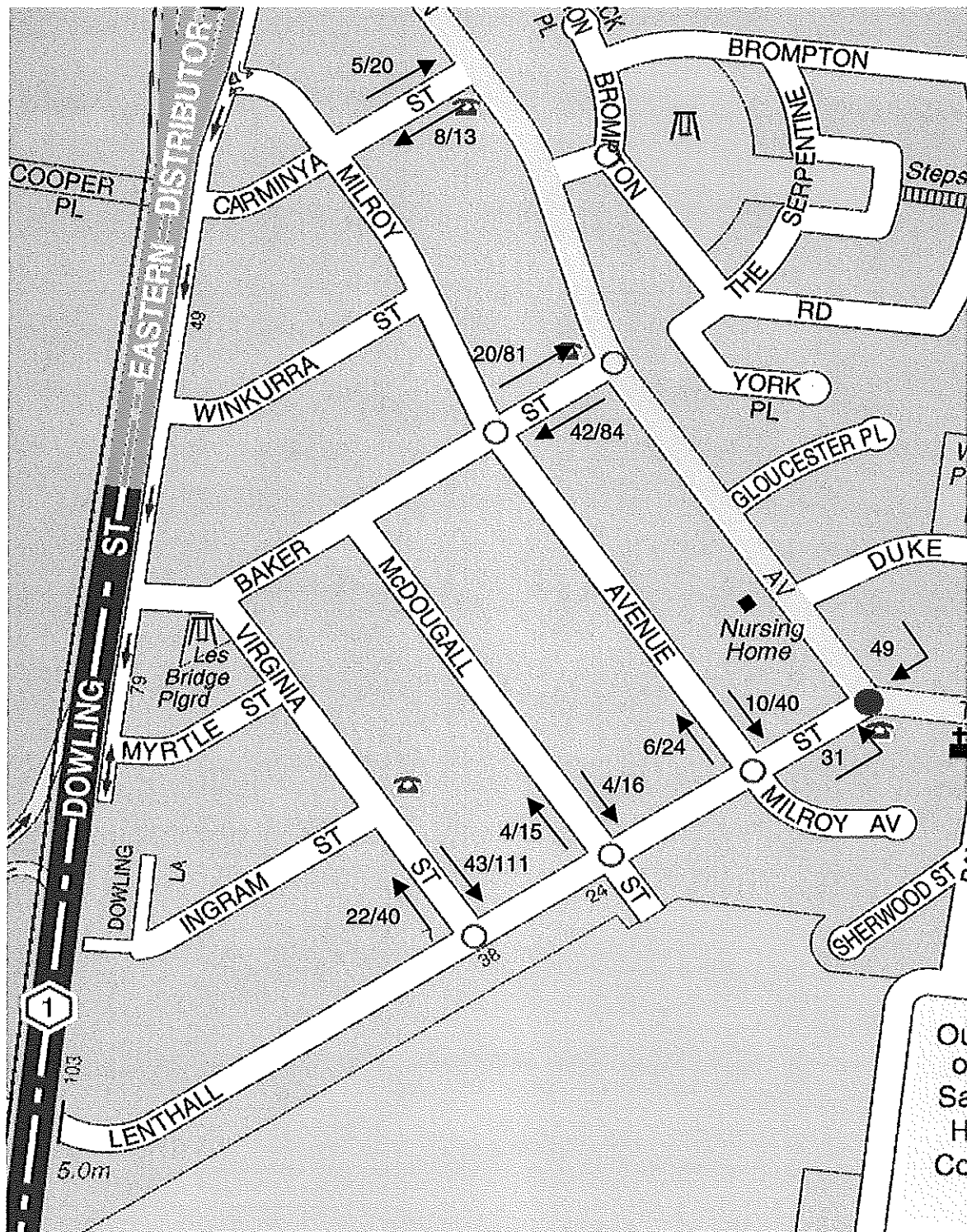
Anton Reisch

Figure 1 Origin-Destination Survey Stations



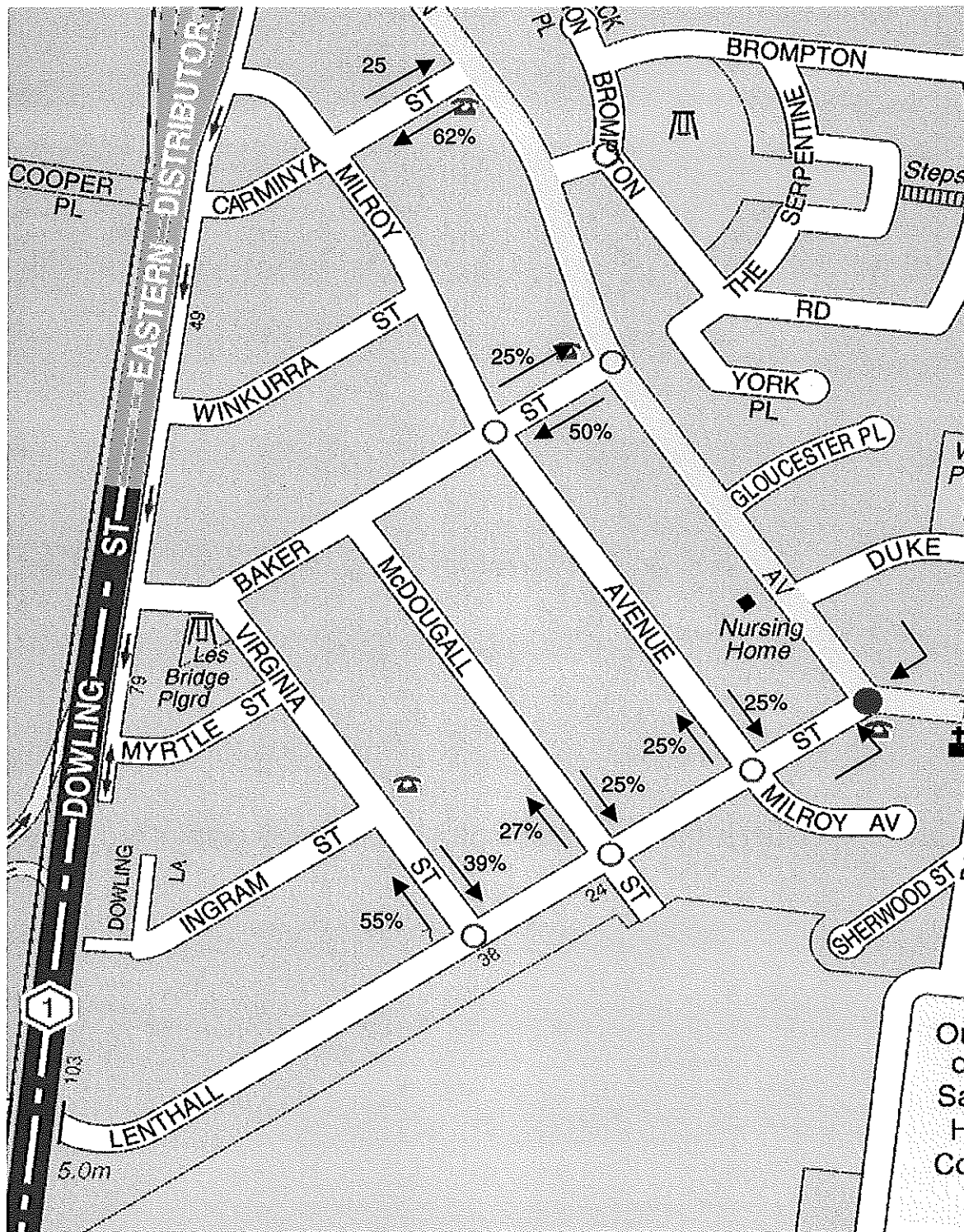
Key: - 1 ➔ OD Station (directional)

Figure 2a Morning Peak Period Traffic Flows



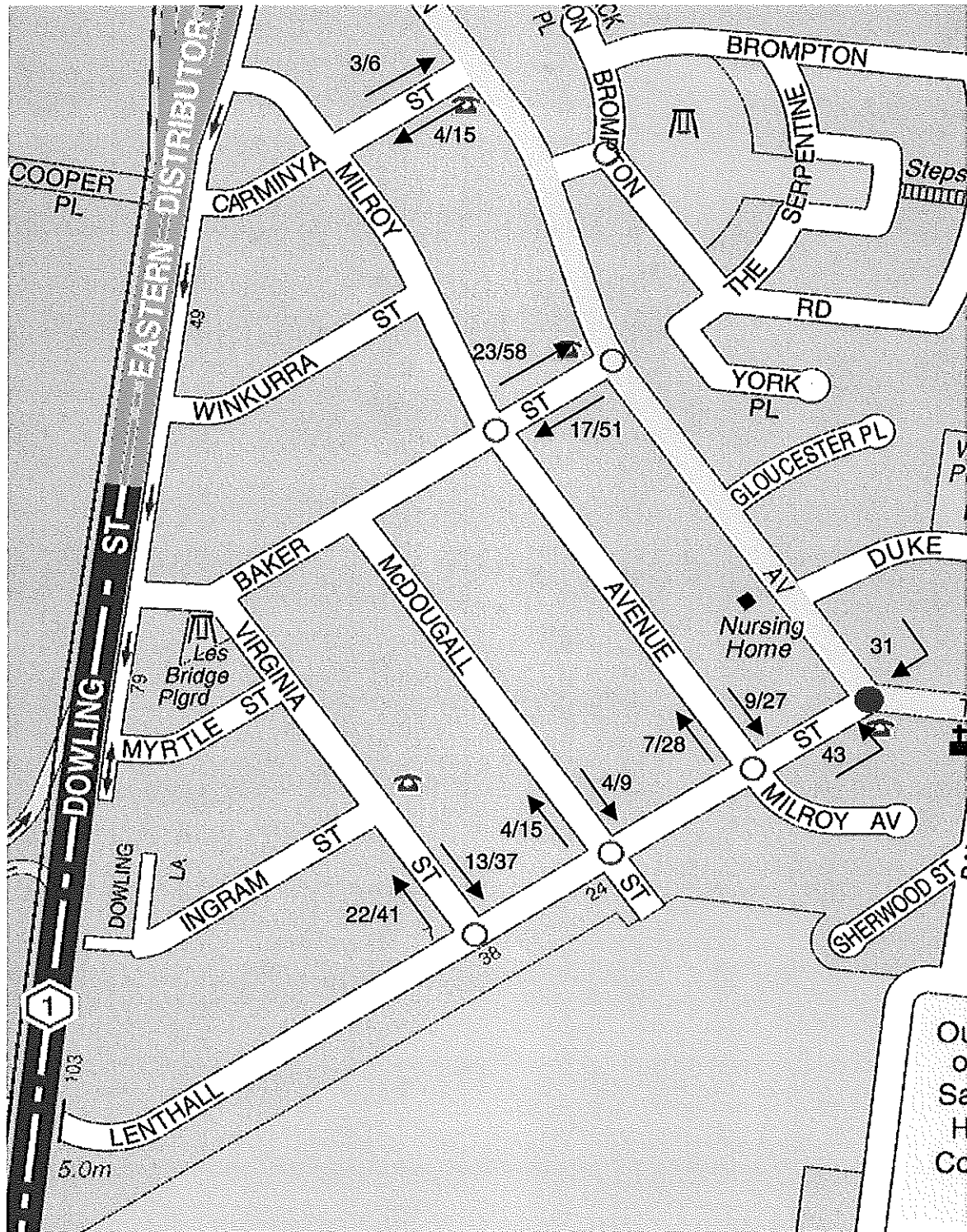
Key: - 22/40 - Through Trips/Total Trips at each Station per hour
 31 - Turning movements in the peak hour

Figure 2b Morning Peak Period Percentage Through Traffic



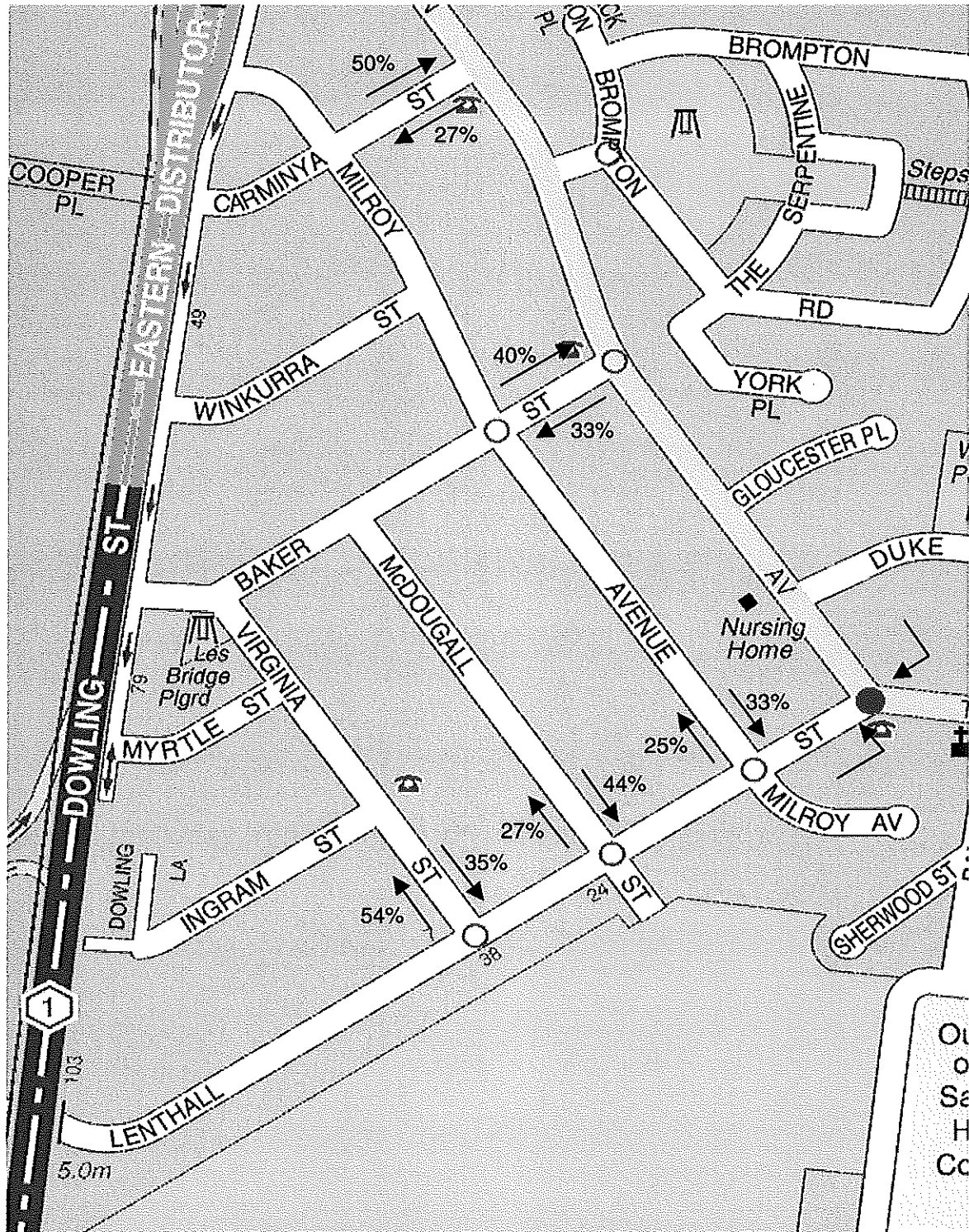
Key: - 55% - Percentage through traffic of total flow at each Station per hour

Figure 3a Midday Peak Period Traffic Flows



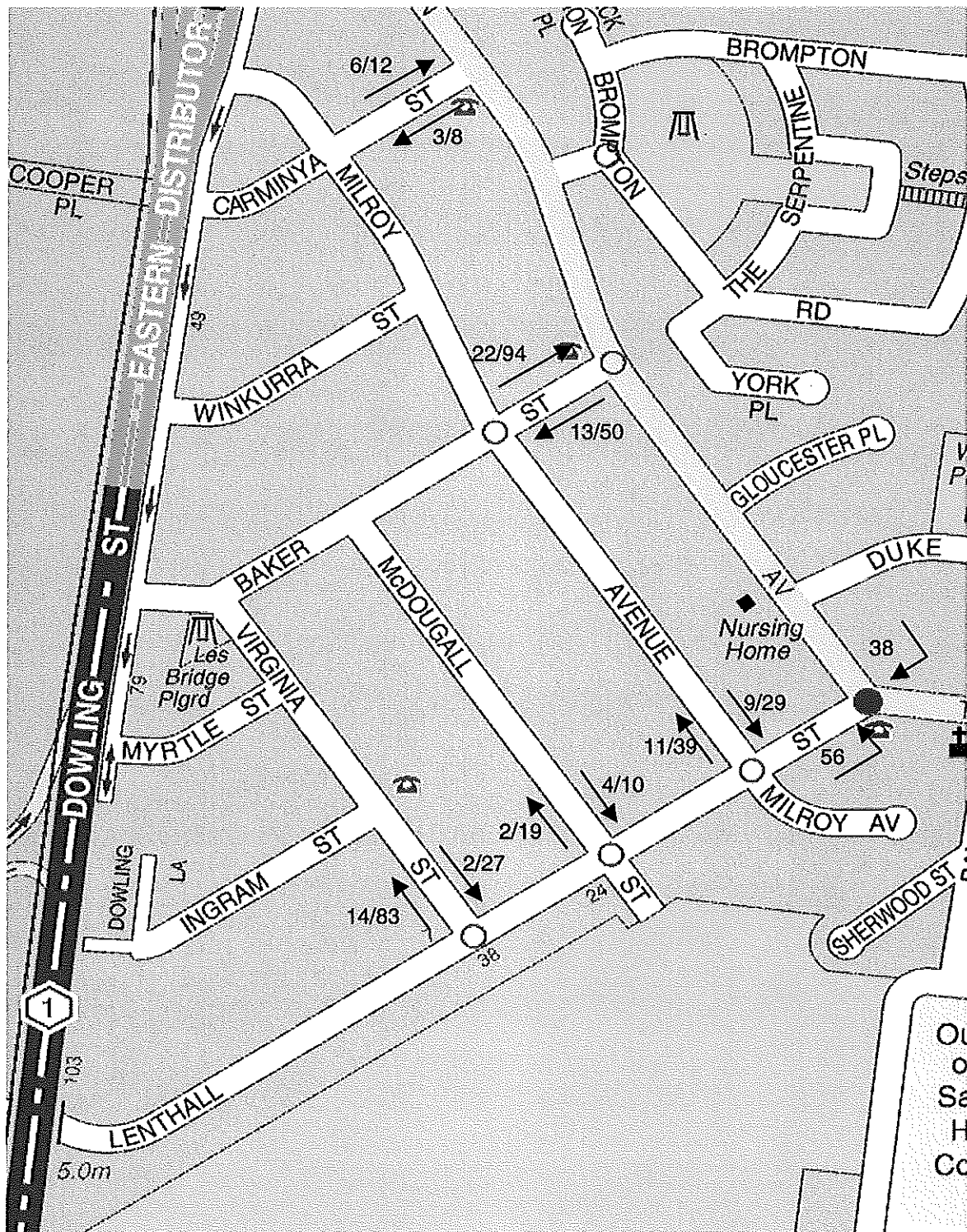
Key: - 22/41 - Through Trips/Total Trips at each Station per hour
43 - Turning movements per hour

Figure 3b Midday Peak Period Percentage Through Flow



Key: - 54% - Percentage through traffic of total flow at each Station per hour

Figure 4a Evening Peak Period Traffic Flows



Key: - 14/83 - Through Trips/Total Trips at each Station per hour
56 - Turning movements per hour



Table 2 Morning Peak Period OD Matrix
Traffic and Transport Surveys Pty Ltd

Client : Stapleton Consulting
 Job : Kensington OD
 Day/Date : Wed, 19th June 2002
 Description : Trip Matrix
 Survey Period : 7am to 9am
 Sample Size : All cars
 Trip duration : 120min

Origin Station		Destination Station					Total
		11	12	13	14	15	
	Records	222	32	80	162	39	535
1	79	17	1	0	25	1	44
2	29	1	4	1	0	2	8
3	48	1	0	4	5	2	12
4	168	64	3	11	5	1	84
5	25	3	0	4	5	3	15
Total	349	86	8	20	40	9	163

Table 3 Midday Peak Period OD Matrix
Traffic and Transport Surveys Pty Ltd

Client : Stapleton Consulting
 Job : Kensington OD
 Day/Date : Wed, 19th June 2002
 Description : Trip Matrix
 Survey Period : 11am to 1pm
 Sample Size : All cars
 Trip duration : 120min

Origin Station		Destination Station					Total
		11	12	13	14	15	
	Records	73	18	53	115	29	288
1	81	10	2	2	27	2	43
2	29	0	3	1	2	2	8
3	55	1	0	5	5	2	13
4	102	14	3	7	9	1	34
5	12	0	0	3	2	1	6
Total	279	25	8	18	45	8	104

Table 4 Evening Peak Period OD Matrix
Traffic and Transport Surveys Pty Ltd

Client : Stapleton Consulting
Job : Kensington OD
Day/Date : Wed, 19th June 2002
Description : Trip Matrix
Survey Period : 4pm to 6pm
Sample Size : All cars
Trip duration : 120min

Origin Station		Destination Station					Total
		11	12	13	14	15	
	Records	54	20	58	188	23	343
1	166	1	1	3	20	2	27
2	38	0	2	1	0	1	4
3	78	0	0	6	12	4	22
4	100	3	4	5	9	4	25
5	16	0	0	2	3	0	5
Total	398	4	7	17	44	11	83

Traffic and Transport Surveys Pty Ltd

Client : Stapleton Consulting

Job : Kensington OD

Day/Date : Wed, 19th June 2002

Description : Traffic Count

Survey Period : 7am to 9am

AM

Time Period		Movements-All vehicles		
		Left turn Lenthall St to Todman Ave	Right turn Todman Ave to Lenthall St	Total
7:00 to 7:15		3	10	13
7:15 to 7:30		5	9	14
7:30 to 7:45		3	13	16
7:45 to 8:00		3	11	14
8:00 to 8:15		10	8	18
8:15 to 8:30		6	11	17
8:30 to 8:45		6	16	22
8:45 to 9:00		9	14	23
Total		45	92	137

Hourly Summary

AM

Time Period		Movements-All vehicles		
		Left turn Lenthall St to Todman Ave	Right turn Todman Ave to Lenthall St	Total
7:00 to 8:00		14	43	57
7:15 to 8:15		21	41	62
7:30 to 8:30		22	43	65
7:45 to 8:45		25	46	71
8:00 to 9:00		31	49	80

BUS

Time Period		Movements-All vehicles		
		Left turn Lenthall St to Todman Ave	Right turn Todman Ave to Lenthall St	Total
11:00 to 11:15		5	7	12
11:15 to 11:30		6	10	16
11:30 to 11:45		9	4	13
11:45 to 12:00		15	13	28
12:00 to 12:15		8	3	11
12:15 to 12:30		13	4	17
12:30 to 12:45		7	11	18
12:45 to 13:00		13	12	25
Total		76	64	140

Hourly Summary

BUS

Time Period		Movements-All vehicles		
		Left turn Lenthall St to Todman Ave	Right turn Todman Ave to Lenthall St	Total
11:00 to 12:00		35	34	69
11:15 to 12:15		38	30	68
11:30 to 12:30		45	24	69
11:45 to 12:45		43	31	74
12:00 to 13:00		41	30	71

PM

Time Period		Movements-All vehicles		
		Left turn Lenthall St to Todman Ave	Right turn Todman Ave to Lenthall St	Total
16:00 to 16:15		13	13	26
16:15 to 16:30		11	1	12
16:30 to 16:45		9	4	13
16:45 to 17:00		18	7	25
17:00 to 17:15		9	11	20
17:15 to 17:30		16	9	25
17:30 to 17:45		13	11	24
17:45 to 18:00		15	9	24
Total		104	65	169

Hourly Summary

PM

Time Period		Movements-All vehicles		
		Left turn Lenthall St to Todman Ave	Right turn Todman Ave to Lenthall St	Total
16:00 to 17:00		51	25	76
16:15 to 17:15		47	23	70
16:30 to 17:30		52	31	83
16:45 to 17:45		56	38	94
17:00 to 18:00		53	40	93