

## OF WANNEROO REPORT NO: P11-02/97

## APPENDIX 9

TO: CHIEF EXECUTIVE OFFICER  
FROM: ACTING CITY PARKS MANAGER  
FOR MEETING OF: POLICY COMMITTEE  
MEETING DATE: 10 FEBRUARY 1997  
FILE REF: 250-1  
WARD: ALL  
SUBJECT: MEDIAN AND ROAD RESERVE LANDSCAPING

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**SUMMARY**

Council, at its meeting of June 1996, deferred Parks Department Report No TS149-06/96 for a further report on the long term financial implications. The area of reticulated road reserve identified in this report has now been discontinued and, as indicated in the report, ratepayer complaints have been received.

**BACKGROUND**

Report No TS149-06/96 highlighted the current practice of developers to reticulate areas of future road carriageways.

**DETAILS**

To minimise the long term impacts of landscape reductions and ratepayer dissatisfaction it is proposed that the current policy be revised regarding landscaping of medians and road reserves.

Current policy H4-11 reads :-

*"The City Parks Manager shall be responsible for all plant material selection, landscaping and associated maintenance after completion of initial earthworks and road construction.*

*Road reserves in specific geographic locations which have limited access shall be designed, landscaped and maintained under the control of the City Parks Manager.*

*Median strips and road reserves within the Joondalup City precinct to remain reticulated.*

*All standard arterial and distributor roads will not be permanently reticulated."*

### **Proposal**

That this policy be split into two specific areas as follows:-

1. Undeveloped future road carriageways.
2. Median strips and verge areas.

### **Area 1 - Future Road Carriageways**

Irrigation of these areas must be stopped due to the extent of ratepayer concern when termination occurs. It is recommended that the City Parks Manager be authorised to advise developers that any requests for this type of short term landscaping enhancement will be rejected.

### **Area 2 - Median Strips and Verge Areas**

The current policy restricts permanent irrigation from all arterial and distributor roads, with the exception of Joondalup City precinct.

It is recommended that Council reviews this policy in response to the recent adverse publicity.

Areas of concern:-

Arterial Roads - 83.9km	Total Area - 107.84 Ha
Distributor Roads - 38.75km	Total Area - 18.88 Ha

Landscaping of all the above area is impractical and environmentally unacceptable as many indigenous species will suffer. To ensure a practical solution is adopted it is proposed that two basic objectives be identified and a category of roads be determined, eg. roads with minimal indigenous plant growth, fully developed medians with drainage and lighting be given a priority 1 rating when considering installation of irrigation.

Roads given a priority 1 or 2 listing may be considered for installation of reticulation funded by Council or developer and will be maintained by Council in the future.

The landscaping of distributor road versus arterial road will also require Council determination. Distributor roads currently being maintained in a limited enhanced situation:-

Fairway Circle  
Eddystone Avenue (part only)  
Aylesford Drive  
Blue Mountain Drive.

This enhancement varies depending on the quality of the initial installation.

Unlike the arterial road verges, minimal indigenous vegetation remains following subdivision. The verges are subject to regular disturbance by service utilities and vehicular traffic, therefore long term irrigation is expensive.

Prioritising the distributor roads is also an option as many have a higher traffic utilisation and therefore offer an increased visual benefit to residents. It is therefore proposed that the priority ratings, when developed, be utilised for assessing any requests for inground reticulation on arterial or distributor road medians and verges.

It is therefore proposed that the policy be split into two sections and presented to Council in conjunction with the policy review in progress. Presentation of all Parks Department policies to Council is listed for April 1997.

### **RECOMMENDATION**

That Council -

1. authorises review of the existing median strips and verge landscaping policy.
2. identifies and develops a priority listing for specific locations prior to consideration of inground reticulation.

gre2160

**TS149-06/96****CITY OF WANNEROO REPORT NO:TS149-06/96**

TO: TOWN CLERK

FROM: ACTING CITY PARKS MANAGER

FOR MEETING OF: TECHNICAL SERVICES COMMITTEE

MEETING DATE: 12 JUNE 1996

FILE REF: 250-1

WARD: CENTRAL

SUBJECT: CONNOLLY DRIVE, CURRAMBINE - MEDIAN AND ROAD RESERVE LANDSCAPE

Parks Department has been advised by Town and Country Bank that a section of Connolly Drive road reserve landscape is to be transferred to Council effective 1 July, 1996. In accordance with Council's policy this area would become a dry grass area.

Town and Country Bank has offered to install a bore and pump unit within the road median for connection to the existing irrigation. The existing bore was located on a private residential block recently sold.

- ° Connolly Drive commences at Shenton Avenue and extends north to Merriwa with a single carriageway being developed initially in various sections.

°Shenton Avenue to Meadowbrook Promenade (Town and Country Bank) eas

Western road reserve, median and verges landscaped with grass, shrubs and trees - 750 metres x 30 metres = 2.25 ha.

- ° Meadowbrook Promenade to Burns Beach Road (Landcorp, Town and Country Bank and Beaumaris).

Western carriageway currently being constructed in conjunction with Moore Drive roundabout and pedestrian underpasses - 1.25 km x 30 metres = 3.07 ha.

- ° Burns Beach Road to Selkirk Drive (Peet and Co).

Western carriageway developed, eastern verge, median road reserve landscaped with irrigated grass and trees - 650 metres x 30 metres = 1.95 ha.

° Selkirk Drive to Hester Avenue = 5.25 km.

Long section of unconstructed road reserve.

°Hester Avenue to Hinchbrook Avenue (Town and Country).

Western carriageway developed, eastern verge and road reserve landscaped with irrigated grass and trees - 900 metres x 30 metres = 2.7 ha.

Total area landscaped	6.90 ha
Construction in progress	3.07 ha

Cost estimates based on current passive park maintenance:-

Connolly Drive

Town and Country initial area	
2.25 hectares @ \$5,114 per hectare/per year	\$11,506.60

Combined Areas Developed

Total Area 9.97 hectares @ \$5,114 per hectare/ per year	\$50,986.58
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This estimate is for basic mowing, reticulation and yearly application of fertiliser.

Acceptance of the Town and Country Bank offer for retention of the landscape requires:-

1. Rewrite the policy for median strips and road reserves development and maintenance.
2. Liaise with all developers involved with Connolly Drive establishment to achieve uniform landscape performance.
3. Acceptance by Council that landscape enhancements by develop

Rejection of the offer:-

1. Town and Country Bank is required to install a sign within the carriageway advising residents that the irrigation system will be discontinued next summer.

2. Removal of all sprinklers and re-usable reticulation items.
3. A period of ratepayer complaints. Initially these will be r

#### Summary

The offer as submitted by Town and Country Bank is attractive and would alleviate many ratepayers' reactions.

The area involved initially is low (2.25 ha), however once started the concept will flow onto all arterial roads being constructed. Developers are aware the initial capital costs are low when compared with long term maintenance and enhanced landscapes improve sales performance.

It must also be considered the total area involved with Connolly Drive is 10 ha. The area equates to three active sports areas or reticulation of six existing dry parks.

Acceptance of this offer will establish a precedent for landscaping of road reserves initially by developers but transferring to Council for long term maintenance.

Attachment 'A' lists all existing arterial road reserves with enhanced development.

Attachment 'B' lists all distributor road areas currently maintained.

Photographs of Connolly Drive will be tabled for Councillors' perusal.

Submitted for direction.

D H CLUNING  
Acting City Parks Manager

DH:JW  
9 May 1996

gre2106

## WORKING PARTY BRIEF

### Objective

1. Enhanced Landscaping/Differential Rating

Determine the current optimum residential standard of Public Open Space landscaping.

2. Define and identify enhanced standards of Public Open Space and residential cells landscaping and the impact of specified area rating.

### Policy Aim

1. To provide guidelines for authorisation of enhanced landscaping standards in Public Open Space and residential cells.
2. To provide a standard of development to ratepayer acceptance while reflecting the normal environmental and resource constraints.
3. To provide a basis for a uniform approach by Council officers during development of residential estates to achieve a long term landscape benefit to ratepayers.

### Method

1. Determine the current standards applicable for the various categories being assessed.
  - 1.1 Public Open Space development criteria and standard required for a particular location.
  - 1.2 Entry Statements  
Determine benefits and disadvantages.
  - 1.3 Presence of indigenous vegetation.
  - 1.4 Extent of development proposed.

### Conclusion

Provide a detailed report to Council with recommendations for discussion and/or adoption.

DRY PARKS PER SUBURB Estimated Costs for Reticulation Installation - Priority 1 Parks									
Park Name	Year	Priority Column 1-3 Rating	Total Area	% of Dev. Grass	Irrigation Cost \$9,500 per ha	Bore/Pump Electrical	Capital Works Totals	Estimated Annual Maint. \$4,620 per ha	Comments
<b>BELDON</b>									
Haddington	6	1	2.13	80%	\$20,235	\$26,000	\$46,235	\$9,841	Isolated park
Monument		3	0.20	100%					Small verge/park area
<b>BURNS BEACH</b>									
Burns		1	0.32	100%	\$3,040	\$26,000	\$29,040	\$1,478	Landscaped strip of verge
Third		1	0.15	100%	\$1,425		\$1,425	\$693	Large road island option to connect to foreshore system
<b>CONNOLLY</b>									
Cinque Ports	1	1	0.96	60%	\$9,120	\$26,000	\$46,000	\$4,435	Option for Marmion & Hodges connection
Medinah (B)			2.17						Abuts future Freeway area
Pine Valley (B)			2.19						
<b>CRAIGIE</b>									
Adelaide	1	1	2.29	100%	\$21,755	\$26,000	\$47,755	\$10,580	Joins with Watercorp easement
Albion	6	1	0.53	80%	\$5,035		\$5,035	\$2,449	Links to Albion Park Kallaroo & Marmion median
Sewer Easement			4.27	90%					Watercorp vesting
Otway		3	0.13	60%					Large PAW area
Mandalay (B)			2.28						
Cawarra (B)			3.00						
Craigie Open Space (B)			53.69						
<b>CURRAMBINE</b>									
Santa Ana			29.00	0%					Small isolated park
<b>DUNCRAIG</b>									
Alfreton	5	2	1.40	40%	\$13,300	\$26,000	\$39,300	\$6,468	Adjoins primary school
Alder	5	2	0.41	60%	\$3,895	\$26,000	\$29,895	\$4,894	Abuts Warwick Road
Bracken		3	0.28	80%					Small isolated park
Colac (B)			1.08	20%					

LEGEND

YEAR 1 - 2000/2001  
 YEAR 2 - 2001/2002  
 YEAR 3 - 2002/2003  
 YEAR 4 - 2003/2004

parks/budget/200/reticcosts



Park Name	Year	Priority Column 1-3 Rating	Total Area	% of Dev. Grass	Irrigation Cost \$9,500 per ha	Bore/Pump Electrical	Capital Works Totals	Estimated Annual Maint. \$4,620 per ha	Comments
Duncraig (contd)									
Doveridge		3	0.31	85%					
Galston	1	1	2.25	60%	\$21,375	\$26,000	\$47,375	\$10,395	Verge area
Geddes		2	0.48	80%					Abuts Warwick Road
Glenbar			5.25	20%					Isolated park
Grenfell			0.46						Bushland with grass verges
Hilton	4	1	1.97	80%	\$18,715	\$26,000	\$44,715	\$9,101	Isolated area
Killen	2	1	0.50	100%	\$4,750	\$26,000	\$30,065	\$2,310	Possible link to Marmion Avenue
Sycamore	2	1	0.77	100%	\$7,315		\$46,425	\$3,557	Connect to Sycamore Park
Lanark		3	0.20	100%					
Lilburne (B)			5.87						Isolated
Macaulay		2	0.63	60%					
Nalpa		3	0.03	100%					Isolated
Oakapple		2	0.68	60%					Verge area
Pentland (B)		3	0.17						Verge of Marmion
Portree	4	1	3.00	80%	\$28,500	\$26,000	\$46,425	\$13,860	Replanted bush
Poynter	2	1	2.15	80%	\$20,425	\$26,000	\$63,040	\$9,933	Abuts Warwick Road
Salata	3	1	3.00	60%	\$28,500	\$26,000	\$54,500	\$13,860	Abuts Beach Road
Telopia		2	0.46	80%					Large isolated area
Trigonometric (B)		3	2.69						Isolated
Wanbrow	1	1	0.47	60%	\$4,465		\$48,200	\$2,172	
Wandina		2	0.21	60%					Isolated (retic off Marri Park)
EDGEWATER									
Birdland		3	0.27	80%					
Hilltop	5	2	1.12	80%	\$10,640	\$26,000	\$36,640	\$5,174	Verge area
Lakevalley	6	2	1.73	60%					Isolated park
Lakeview	6	2	0.07	60%					Isolated park
Lookout (B)			0.47						Isolated park
Picnic Cove	1	1	2.00	90%	\$19,000		\$22,800	\$9,240	
Quarry Ramble	1	1	3.12	60%	\$29,640	\$26,000	\$63,200	\$14,414	Part of Yellagonga Regional Park, connect to
Ridge		2	0.40	60%					Connect to above
									Isolated

LEGEND

YEAR 1 - 2000/2001

YEAR 2 - 2001/2002

YEAR 3 - 2002/2003

YEAR 4 - 2003/2004

parks/budget/200/reticcosts

Park Name	Year	Priority Column 1-3 Rating	Total Area	% of Dev. Grass	Irrigation Cost \$9,500 per ha	Bore/Pump Electrical	Capital Works Totals	Estimated Annual Maint. \$4,620 per ha	Comments
<b>Edgewater (contd)</b>									
St Clair (B)			2.84						
Stillwater		2	0.19	80%					
Tuart		2	0.46	80%					Isolated park
Wedgewood	3	1	1.26	80%	\$11,970	\$26,000	\$37,970	\$5,821	Isolated park
Whistler		2	0.27	80%					Park size
Woodland	6	3	0.09	80%					Verge area
Quarry (B)			12.26						Verge area
Garrong (B)			0.45						
<b>GREENWOOD</b>									
Annato	6	2	2.02	60%	\$19,190	\$26,000	\$45,190	\$9,332	Large isolated park
Birch		3	0.55	60%					Small area
Blackthorn	3	1	2.21	80%	\$20,995	\$26,000	\$46,995	\$10,210	Abuts Hepburn Avenue
Calectasia		2	2.75	80%					Rear of properties
Filbert	6	2	0.70	80%	\$6,650	\$26,000	\$32,650	\$3,234	Isolated area
George Sears	5	2	1.48	80%	\$14,060	\$26,000	\$40,060	\$6,838	Abuts Wanneroo Road
Gerda		2	0.50	60%					Isolated area
Hartley	5	2	0.60	60%					Isolated area
Karuah		3	0.17	60%					Verge area
Kilrenny		2	0.96	60%					Isolated park
Kurrajong		2	1.28	80%					Rear of properties
Leaside		3	0.32	60%					Isolated park
Mamo		3	1.04	80%					Verge
Oleaster	5	2	0.82	80%	\$7,790	\$26,000	\$33,790	\$3,788	Isolated park
Parin	4	1	0.45	100%	\$4,275	\$26,000	\$30,275	\$2,079	Abuts Wanneroo Road
Paveta	5	2	0.48	80%	\$4,560	\$26,000	\$30,560	\$2,218	Isolated park
Rodgers	2	1	1.17	80%	\$11,115	\$26,000	\$37,115	\$5,405	Abuts Warwick Road
Sherrington	2	1	0.86	80%	\$8,170		\$8,170	\$3,973	Option to connect to Penistone
Strathaven		3	0.20	60%					Isolated
Warner		3	0.02	60%					Road island

LEGEND

YEAR 1 - 2000/2001  
YEAR 2 - 2001/2002  
YEAR 3 - 2002/2003  
YEAR 4 - 2003/2004

parks/budget/200/reticcosts

Park Name	Year	Priority Column 1-3 Rating	Total Area	% of Dev. Grass	Irrigation Cost \$9,500 per ha	Bore/Pump Electrical	Capital Works Totals	Estimated Annual Maint. \$4,620 per ha	Comments
<b>HEATHRIDGE</b>									
Balanus	3	1	1.64	90%	\$15,580	\$26,000	\$41,580	\$7,577	Isolated park
Captain		3	0.18	90%					Small verge area
Dardanus		3	0.31	30%					Abuts Freeway
Faversham		3	1.11	60%					Isolated park
Larkspur	2	1	3.08	90%	\$29,260	\$26,000	\$55,260	\$14,230	Large area. Option for Hodges median connection.
<b>HILLARYS</b>									
Fenton	6	2	0.46	80%					
Mackay		3	0.07	80%					Existing tennis courts
Monkhouse		3	0.06	60%					Verge area
Ranford	6	3	0.40	80%					Verge area
									Isolated park
<b>ILUKA</b>									
Bethany (B)			0.70						
Kuta (B)			0.31						
<b>KALLAROO</b>									
Batavia	6	2	0.39	60%					
Bigola		3	0.07	60%					
Culwalla	3	1	0.61	60%	\$5,795	\$26,000	\$31,795	\$2,818	Option for Marmion Avenue & Albion Park
Cygnat		3	0.08	60%					
Glenbank	5	2	0.54	60%	\$5,130	\$26,000	\$31,130	\$2,495	Marmion Avenue connection
Kilarney		2	0.13	100%					
Maritana (B)			2.77						
<b>KINGSLEY</b>									
Bindaree	4	1	3.07	60%	\$29,165	\$26,000	\$55,165	\$14,183	Connect to Wallangarra existing
Cadogan		3	1.50	40%					
Grebe		3	0.26						
Greenwich	6	3	1.52	80%					

## LEGEND

YEAR 1 - 2000/2001

YEAR 2 - 2001/2002

YEAR 3 - 2002/2003

YEAR 4 - 2003/2004

Park Name	Year	Priority Column 1-3 Rating	Total Area	% of Dev. Grass	Irrigation Cost \$9,500 per ha	Bore/Pump Electrical	Capital Works Totals	Estimated Annual Maint. \$4,620 per ha	Comments
<b>Kingsley (contd)</b>									
John Smithie	6		2.00	100%					
Kingfisher		3	0.26	60%					
Lehmann		2	0.71	80%					
Newcross		3	0.05	80%					
Robertson Road		3	3.60	40%					
Shepherds Bush (B)			16.44						
Spoonbill		3	0.23	30%					
Talbot		2	1.27	60%					
Cadogan (B)			3.41						Option to connect to future Yellagonga Regional Park
<b>KINROSS</b>									
Earlsferry	1	1	1.64	60%	\$15,580	\$26,000	\$41,580	\$7,577	Marmion, Burns connection for medians
Rutherglen		2	0.44						Peet & Co proposal for Connolly median, listed for mid 2000
Stow		2	0.40	60%					As above
<b>MARMION</b>									
Banksia			0.17						
Cliff			0.26						Small Public Open Space area
Clifford Coleman			0.28						Small Public Open Space area
Cliverton			0.01						Small Public Open Space area
Gull			0.26						Small Public Open Space area
									Small Public Open Space area
<b>MULLALOO</b>									
Anemone		3	0.29	60%					
Gunida		2	0.64	60%					Small Public Open Space
Kallaroo	4	1	4.07	40%	\$38,665	\$26,000	\$64,665	\$18,803	Small Public Open Space
Merrifield	3	1	0.37	80%	\$3,515	\$26,000	\$29,515	\$1,709	Possible connection for Marmion Avenue
Periwinkle			3.72						Possible connection to Mullaloo Foreshore
Waltham		3	0.28	60%					

LEGEND

YEAR 1 - 2000/2001  
 YEAR 2 - 2001/2002  
 YEAR 3 - 2002/2003  
 YEAR 4 - 2003/2004

parks/budget/200/reticcosts

Park Name	Year	Priority Column 1-3 Rating	Total Area	% of Dev. Grass	Irrigation Cost \$9,500 per ha	Bore/Pump Electrical	Capital Works Totals	Esimated Annual Maint. \$4,620 per ha	Comments
<b>OCEAN REEF</b>									
Village Walk		3	0.22	40%					
Beaumaris (B)			2.00						
<b>PADBURY</b>									
Bannister		3	0.15	60%					
Barclay		3	0.20	20%					Wide PAW
Brazier		2	0.67	60%					
Brisbane No 2		3	0.27	60%					
Byrne		3	0.32	60%					
Callion		3	0.21	60%					
Cunningham		2	0.67	80%					
Ellison		2	0.11	80%					
Fraser		3	0.37	60%					
Hughes		3	0.07	60%					
Leichhardt No 1	2	1	2.23	80%	\$21,185	\$26,000	\$47,185	\$10,303	Rear of shopping centre
Leichhardt No 2		3	0.12	80%					
McArthur		3	0.18	60%					
McKinlay		3	0.47	80%					
McRae		3	0.04	80%					
Minchin		3	0.38	80%					
Sweeney		3	0.54	80%					
Wentworth	6	2	0.50	60%					
Windich		3	0.03	60%					
<b>SORRENTO</b>									
Clare		3	0.24	60%					
Hakea		3	0.08	60%					Small Public Open Space
Harman		3	1.80	60%					Small Public Open Space
Ledge (B)			0.55						Small Public Open Space
Porteous		2	2.18	60%					
Sorrento Foreshore		3	5.00	10%					Possible connection to Robin Park

LEGEND

YEAR 1 - 2000/2001

YEAR 2 - 2001/2002

YEAR 3 - 2002/2003

YEAR 4 - 2003/2004

parks/budget/200/reticcosts

Park Name	Year	Priority Column 1-3 Rating	Total Area	% of Dev. Grass	Irrigation Cost \$9,500 per ha	Bore/Pump Electrical	Capital Works Totals	Estimated Annual Maint. \$4,620 per ha	Comments
<b>WARWICK</b>									
Carr		3	0.73	80%					
Hawick		3	0.07	60%					Small Public Open Space
Hillwood No 1		3	0.65	80%					Small Public Open Space
Hillwood No 2		3	0.56	80%					Isolated Public Open Space
Sanday (B)			0.10						Isolated Public Open Space
Springvale		2	1.00	80%					
Warwick Open Space (B)			57.00						Abuts Beach Road
<b>WOODVALE</b>									
Cornish		3	0.60	60%					
Trailwood		3	1.28	20%					Isolated Public Open Space
									Isolated Public Open Space
<b>TOTAL</b>							<b>\$1,488,720</b>		

Number of New Bores - 23  
Ha Irrigated - 47.80  
Number of Parks - 28

**PRIORITY 1** PROXIMITY TO EXISTING RETICULATED PARK FOR JOINT UTILISATION OF BORE  
PROXIMITY TO EXISTING DRY PARKS TO ENABLE SHARED USE OF BORE  
PERCENTAGE OF INDIGENOUS VEGETATION  
**PRIORITY 2** INDIVIDUAL DRY PARK WITH HIGH LOCAL COMMUNITY UTILISATION  
RESIDENTIAL CELL WITH MINIMAL PUBLIC OPEN SPACE  
<50% INDIGENOUS VEGETATION  
**PROXIMITY 3** 50%> INDIGENOUS VEGETATION  
SMALL ISOLATED POS WITH MINIMAL OPPORTUNITY FOR COMMUNITY USE

# LEGEND

YEAR 1 2000/2001  
YEAR 2 2001/2002  
YEAR 3 2002/2003  
YEAR 4 2003/2004

parks/budget/200 reticcosts

OPERATIONS SERVICES  
MEDIAN - VERGE LANDSCAPE ASSESSMENT MAINTENANCE AREAS

DATE 16 March 2000

ARTERIAL ROAD	LOCATION	SECTION	AREA VERGE	AREA MEDIAN/ROAD ISLAND	AREA TOTAL	RATING TRAFFIC	RATING VISUAL	MEDIAN PRIORITY	VERGE PRIORITY
BEACH ROAD	WARWICK	Wanneroo Rd to Erindale Rd	4500		4,500	High	High		1
BEACH ROAD	DUNCRAIG	Erindale Rd to Freeway	0		0	High	High		1
BEACH ROAD	DUNCRAIG	Freeway to Marmion Av	8800		8,800	High	High		1
BLUE MOUNTAIN DR	JOONDALUP	Burns Beach Rd to Moore Dr	16,850		16,850	Low	Medium	N/A	2
BRIENZ AVENUE	JOONDALUP	Candlewood Blvd to Joondalup Dr	2,250		2,250	Low	High	N/A	1
BURNS BEACH ROAD	JOONDALUP	Joondalup Dr to Yellowstone Way	10,700		10,700	Medium	Medium		3
CANDLEWOOD BLVD	JOONDALUP	Moore Dr to Windermere Park	10,800		10,800	Low	Medium	N/A	2
CONNOLLY DRIVE	CURRAMBINE	Shenton Ave to Moore Dr	13,500	900	14,400	Medium	Medium	2	2
CONNOLLY DRIVE	CURRAMBINE	Moore Dr to Burns Beach Rd	12,550		12,550	Low	High	1	1
CONNOLLY DRIVE	KINROSS	Burns Beach Rd to Tamala Boundary	8,600	8,600	17,200	Medium	Low	4	4
DELAMERE AVENUE	CURRAMBINE	Shenton Av to Marmion Av	8,800		8,800	Medium	Low	3	3
ERINDALE ROAD	WARWICK	Warwick Rd to Beach Rd		18,000	18,000	Medium	High	4	1
HEPBURN AVENUE	GREENWOOD	Wanneroo Rd to Moolanda Blvd	36,600	8,400	45,000	Medium	VLMH	1	3
HEPBURN AVENUE	KINGSLEY	Moolanda Blvd to Freeway	91,350	13,200	104,550	Medium	VLMH	1	3
HEPBURN AVENUE	KINGSLEY	Freeway to Marmion Av	68,825	13,200	82,025	Medium	VMMH	1	2
HEPBURN AVENUE	HILLARYS	Marmion Av to West Coast Dr	33,000	200	33,200	Medium	VMHMH	1	2/3
HODGES DRIVE	CONNOLLY	Joondalup Dr to Marmion Av	25,000	15000	40,000	Medium	Med/High	1	S2 N3/4
HODGES DRIVE	CONNOLLY	Joondalup Dr to Marmion Av				High	High	1	
HODGES DRIVE	OCEAN REEF	Marmion Av to Ocean Reef Rd	16500	150	16,650	High	High	2	
JOONDALUP DRIVE	EDGEWATER	Ocean Reef Rd to Hodges Dr	14,700	29,000	43,700	High	Medium	3	3
JOONDALUP DRIVE	JOONDALUP	Hodges Dr to Grand Blvd North	4,000	16,000	20,000	High	High	4	4
JOONDALUP DRIVE	JOONDALUP	Grand Blvd North to Roundabout	36200	200	36,400	High	High	1	1
JOONDALUP DRIVE	JOONDALUP	Roundabout to Wanneroo Rd	2,000	600	2,600	High	High	2/3	N1 S2/3
MARMION AVENUE	DUNCRAIG	Beach Rd to Warwick Rd	20,800	6,500	27,300	High	High	2	2
MARMION AVENUE	DUNCRAIG	Warwick Rd to Hepburn Av	52,300	22,000	74,300	High	High	2	2
MARMION AVENUE	PADBURY	Hepburn Av to Giles Av	16,500	13,200	29,700	High	High	2	2
<b>LEGEND</b>									
PRIORITY 1 NO INDIGENOUS PLANTS, HIGH TRAFFIC FLOW, LONG AND WIDE MEDIANS, NO TREES PLANTED.									
PRIORITY 2 25% INDIGENOUS TREES, NO SHRUBS, MEDIUM/HIGH TRAFFIC FLOW, LESS THAN 25% PLANTED WITH VARIOUS SPECIES.									
PRIORITY 3 25% - 50% INDIGENOUS TREES AND SHRUBS, MEDIUM/LOW TRAFFIC FLOW, 25%> PLANTED WITH VARIOUS SPECIES.									
PRIORITY 4 50%> INDIGENOUS TREES AND SHRUBS, LOW TRAFFIC FLOW, 50%> PLANTED WITH VARIOUS SPECIES.									

ATTACHMENT: 3B

REPORT NO:

PAGE NO: 1

OPERATIONS SERVICES  
MEDIAN - VERGE LANDSCAPE ASSESSMENT MAINTENANCE AREAS

DATE 16 March 2000

ARTERIAL ROAD	LOCATION	SECTION	AREA VERGE	AREA MEDIAN/ROAD ISLAND	AREA TOTAL	RATING TRAFFIC	RATING VISUAL	MEDIAN PRIORITY	VERGE PRIORITY
MARMION AVENUE	PADBURY	Giles Av to Whitfords Av	16,500	13,200	29,700	High	High	2	2
MARMION AVENUE	CRAIGIE	Whitfords Av to Craigie Dr	32,000	17,600	49,600	High	High	2	2
MARMION AVENUE	CRAIGIE	Craigie Dr to Ocean Reef Rd	19,400	9,100	28,500	High	High	2	2
MARMION AVENUE	CONNOLLY	Ocean Reef Rd to Hodges Dr	23,000	18,000	41,000	High	High	2	2
MARMION AVENUE	CONNOLLY	Hodges Dr to Shenton Av	36,600	12,600	49,200	High	High	2	2
MARMION AVENUE	CURRAMBINE	Shenton Av to Burns Beach Rd	5100	20900	26,000	High	High	1	1
MARMION AVENUE	KINROSS	Burns Beach Rd to Tamala Boundary	25000	27500	52,500	High	High	1	1
MOORE DRIVE	JOONDALUP	Blue Mountain Dr to Candlewood Blvd	8,000		8,000	Medium	High	2	N/A
MOORE DRIVE	JOONDALUP	Candlewood Blvd to Joondalup Dr	8,000		8,000	Medium	High	2	N/A
MOORE DRIVE	CURRAMBINE	Blue Mountain Blvd to Connolly Dr	8,000		8,000	Medium	High	1	1
MOORE DRIVE	CURRAMBINE	Connolly Dr Roundabout to Marmion Av	23,750		23,750	Medium	High	1	2
NORTHSHORE DRIVE	KALLAROO	Whitfords Av to Mullaloo Dr	2,000		2,000	Medium	Medium	2	E2 W3/4
OCEAN REEF ROAD	WOODVALE	Wanneroo Rd to Trappers Dr	53,900	8,000	61,900	Medium	High	2	1/2
OCEAN REEF ROAD	EDGEWATER	Trappers Dr to Joondalup Dr	14,700	7,300	22,000	Medium	Medium	2/3	2/3
OCEAN REEF ROAD	CRAIGIE	Freeway to Eddystone Av	98,000	7,200	105,200	Medium	Medium	3	3
OCEAN REEF ROAD	CRAIGIE	Eddystone Av to Marmion Av	9,050	9,600	18,650	Medium	High	2	2
OCEAN REEF ROAD	OCEAN REEF	Marmion Av to Oceanside Prom	20,200	5,000	25,200	High	High	1/2	S1/2 N1/2
SHENTON AVENUE	CONNOLLY	Joondalup Dr to Marmion Av	13,500		13,500	Medium	High	1	S2 N2
SHENTON AVENUE	CONNOLLY	Marmion Av to Foreshore	6,860	2,600	9,460	Medium	Low	4	4
TRAPPERS DRIVE	WOODVALE	Whitfords Av to Timberlane Dr	5,000	3,300	8,300				
WARWICK ROAD	WARWICK	Wanneroo Rd to Erindale Rd	3,300	5,200	8,500	Medium	Low	4	N/A
WARWICK ROAD	GREENWOOD	Erindale Rd to Coolibah Dr	40,000	7,500	47,500	Medium	Low	4	N/A
WARWICK ROAD	GREENWOOD	Coolibah Dr to Freeway	4,200	7,00	4,200	Medium	Low	4	N/A
WARWICK ROAD	DUNCRAIG	Freeway to Glengarry Dr	1,200	8,100	9,300	Medium	Low	4	N/A
WARWICK ROAD	DUNCRAIG	Glengarry Dr to Marmion Av	16,700	39,000	55,700	Medium	Low	4	N/A
WHITFORDS AVENUE	KINGSLEY	Wanneroo Rd to Trappers Dr	38,000	14,000	52,000	Medium	High	2	2
LEGEND									
PRIORITY 1 NO INDIGENOUS PLANTS, HIGH TRAFFIC FLOW, LONG AND WIDE MEDIANS, NO TREES PLANTED.									
PRIORITY 2 25% INDIGENOUS TREES, NO SHRUBS, MEDIUM/HIGH TRAFFIC FLOW, LESS THAN 25% PLANTED WITH VARIOUS SPECIES.									
PRIORITY 3 25% - 50% INDIGENOUS TREES AND SHRUBS, MEDIUM/LOW TRAFFIC FLOW, 25%> PLANTED WITH VARIOUS SPECIES.									
PRIORITY 4 50%> INDIGENOUS TREES AND SHRUBS, LOW TRAFFIC FLOW, 50%> PLANTED WITH VARIOUS SPECIES.									



OPERATIONS SERVICES  
MEDIAN - VERGE LANDSCAPE ASSESSMENT MAINTENANCE AREAS

DATE 16 March 2000

[illegible]

OPERATIONS SERVICES  
MEDIAN-VERGE LANDSCAPE ASSESSMENT MAINTENANCE AREAS

DATE: 16 March 2000

[illegible]

### LEGEND

<b>PRIORITY 1</b>	NO INDIGENOUS PLANTS, HIGH TRAFFIC FLOW, LONG AND WIDE MEDIANS, NO TREES PLANTED.
<b>PRIORITY 2</b>	25% INDIGENOUS TREES, NO SHRUBS, MEDIUM/HIGH TRAFFIC FLOW, LESS THAN 25% PLANTED WITH VARIOUS SPECIES.
<b>PRIORITY 3</b>	25% - 50% INDIGENOUS TREES AND SHRUBS, MEDIUM/LOW TRAFFIC FLOW, 25%> PLANTED WITH VARIOUS SPECIES.
<b>PRIORITY 4</b>	50%> INDIGENOUS TREES AND SHRUBS, LOW TRAFFIC FLOW, 50%> PLANTED WITH VARIOUS SPECIES.

RETICULATED PARKS -  
CALCULATED AREA PER SUBURB

Suburb	Population	No. of Properties	Reticulated POS	Total ha	m <sup>2</sup> / Head of Population	m <sup>2</sup> /Property
Beldon	4,782.1	1,649	5	10.96	22.92	66.46
Burns	295.8	102	2	0.92	31.10	90.20
Connolly	3,674.3	1,267	5	8.93	24.30	70.48
Craigie	7,076.0	2,440	6	21.05	29.75	86.27
Currambine	4,358.7	1,503	7	12.33	28.29	82.04
Duncraig	16,115.3	5,557	12	47.00	29.16	84.58
Edgewater	5,019.9	1,731	2	7.91	15.76	45.70
Greenwood	11,150.5	3,845	7	29.9	26.81	77.76
Heathridge	7,656.0	2,640	7	30.67	40.06	116.17
Hillarys	9,050.9	3,121	18	43.95	48.56	140.82
Iluka	1,618.2	558	3	9.37	57.90	167.92
Joondalup	5,597.0	1,930	16	27.37	48.90	141.81
Kallaroo	5,486.8	1,892	11	22.84	41.63	120.72
Kingsley	13,731.5	4,735	11	23.81	17.34	50.29
Kinross	4,451.5	1,535	6	13.76	30.91	89.64
Marmion	2,322.9	801	4	6.96	29.96	86.89
Mullaloo	6,353.9	2,190	6	18.92	29.78	86.39
Ocean Reef	7,624.1	2,629	9	29.81	39.10	113.39
Padbury	9,697.6	3,344	7	25.6	26.40	76.56
Sorrento	7,708.2	2,658	6	21.24	27.56	79.91
Warwick	4,231.1	1,459	7	16.08	38.00	110.21
Woodvale	9,021.9	3,566	10	33.86	37.53	94.95
<b>TOTALS</b>	<b>147,024.2</b>	<b>51,152</b>	<b>167</b>	<b>463.24</b>		

DRY PARKS -  
CALCULATED AREA PER SUBURB

Suburb	Population	No. of Properties	Dry POS	Total ha	m <sup>2</sup> / Head of Population	m <sup>2</sup> /Property
Beldon	4,782.1	1,649	3	2.44	5.10	14.80
Burns	295.8	102	2	0.47	15.89	46.08
Connolly	3,674.3	1,267	2	3.13	8.52	24.70
Craigie	7,076.0	2,440	6	8.25	11.66	33.81
Currambine	4,358.7	1,503	1	0.29	0.67	1.93
Duncraig	16,115.3	5,557	25	26.17	16.24	47.09
Edgewater	5,019.9	1,731	13	12.89	25.68	74.47
Greenwood	11,150.5	3,845	20	18.58	16.66	48.32
Heathridge	7,656.0	2,640	5	6.32	8.25	23.94
Hillarys	9,050.9	3,121	4	0.99	1.09	3.17
Iluka	1,618.2	558	2	1.01	6.24	18.10
Joondalup	5,597.0	1,930			0.00	0.00
Kallaroo	5,486.8	1,892	6	1.82	3.32	9.62
Kingsley	13,731.5	4,735	11	12.48	9.09	26.36
Kinross	4,451.5	1,535	3	2.08	4.67	13.55
Marmion	2,322.9	801	5	0.98	4.22	12.23
Mullaloo	6,353.9	2,190	5	5.65	8.89	25.80
Ocean Reef	7,624.1	2,629	1	0.22	0.29	0.84
Padbury	9,697.6	3,344	20	9.36	9.65	27.99
Sorrento	7,708.2	2,658	5	9.30	12.07	34.99
Warwick	4,231.1	1,459	6	8.06	19.05	55.24
Woodvale	9,021.9	3,566	3	1.78	1.97	4.99
TOTALS	147,024.2	51,152	148	132.27		

LEGEND  
PRIORITY 1 - GOOD QUALITY UNDERSTOREY AND TREES. MINIMAL WEED GROWTH.  
PRIORITY 2 - LIMITED UNDERSTOREY - 50% WEED GROWTH - 50% GRASS.  
PRIORITY 3 - NO UNDERSTOREY GRASS AND WEED IN EXCESS OF 60%.  
PRIORITY 4 - DRY GRASS AND TREES.

CITY OF JOONDALUP  
DRY PARKS

Park/Suburb	Address (adjoining streets)	Area (hectares)	Priority	Percentage Bushland
<b>BELDON</b>				
(F) Cumberland	Cumberland Way, Gradient Way	.11		
(F) Haddington	Geelong Close, Haddington Street	2.13	4	
(F) Monument	Ocean Reef Rd, Monument Dr, Pacific Way	.20	4	
<b>BURNS BEACH</b>				
(F) Burns Beach (B)	Burns Beach Road, Ocean Parade	18.68	2	80
(F) Burns Park	Res 42221 Landscape Strip Cnr Burns/Ocean	.32	4	
(F) Third Park	Res 40697 Road Island	.15	4	
<b>CONNOLLY</b>				
(F) Cinque Ports	Cinque Ports Place, Marmion Avenue	.96	4	
(F) Medinah	Medinah Mews, Shenton Avenue	2.17	3	5
(F) Pine Valley (B)	Pine Valley Pass, Long Island Pass	2.19	1	90
<b>CRAIGIE</b>				
(F) Adelaide	Adelaide Circle, Craigie Drive	2.29	4	
(F) Albion	Marmion Avenue, Camberwarra Drive	.53	4	
(F) Cawarra (B)	Cawarra Crescent, Camberwarra Drive	3.00	2	50
(F) Craigie O/S (B)	Whitfords Avenue	53.69	1	90
(F) Glenunga	Whitfords Verge East of Eddystone/Glenunga		4	
(F) Madana	Madana Place	1.03	4	
(F) Mandalay (B)	Eddystone Ave, Mandalay Pl, Delcomyn Pl	2.28	2	60
(F) Otway	PAW type strip south of Otway	.13	4	
(F) Sewer Easement	Warrandyte Dr, Richards Cl (not vested)	4.27	4	

Park/Suburb	Address (adjoining streets)	Area (hectares)	Priority	Percentage Bushland
<b>CURRAMBINE</b>				
Santa Ana	Lot 318 Oakland Hills Boulevard	.29	4	
<b>DUNCRAIG</b>				
(F) Alferton	Alferton Way, Glengarry Drive	1.40	2	65
(F) Alder	Alder Way, Warwick Road	.41	4	
(F) Bracken	Todea Court, Bracken Court	.28	4	
Colac	Colac Way, Hepburn Avenue	1.02	4	
Doveridge	Doveridge Drive, Alferton Way	.31	4	
(F) Galston	Galston Place, Poynter Drive	2.25	4	
(F) Geddes	Geddes Close	.48	4	
(F) Glenbar	Glenbar Rd, Chessell Dr, Beach Rd	5.25	2	65
Grenfell	Grenfell Avenue	.46	2	5
(F) Hilton	Fulham Pl, Joslin Pl, Hilton Pl, Farnley Way	1.97	4	5
(F) Killen	Killen Place, Sycamore Drive	.50	4	
(F) Lanark	Lanark Mews, Karo Place	.20	4	
Lilburn (Con Zone)(B)	Lilburn Road, Hilarion Road	5.87	1	80
(F) Macaulay	Macaulay Avenue, Netherby Road	.63	4	
Nalpa	Marmion Ave Verge Opposite Nalpa in Kenny	.03	4	
Nekaya	Cnr Truncation Marmion/Hepburn Avenue		4	
(F) Oakapple	Oakapple Drive	.68	4	5
Pentland	Pentland Avenue	.17	2	20
(F) Portree	Glengarry Drive, Warwick Road, Portree Way	3.00	4	
(F) Poynter	Quilter Drive, Beach Road	2.15	4	
Readshaw	Underpass Access Park Readshaw/Marmion Avenue	.07	4	
(F) Salata	Salata Place, Melene Road	3.00	4	
(F) Sycamore	Scadden Street, Sycamore Drive	.77	4	
(F) Telopia	Telopia Drive, Granadilla Street	.46	4	
Trigonometric (B)	Jope Place, Truslove Way, Sampson Court	2.69	1	85
(F) Wanbrow	Wanbrow Way, Edna Way	.47	4	10
(F) Wandina	Barker Drive, Wandina Place	.21	4	10

Park/Suburb	Address (adjoining streets)	Area (hectares)	Priority	Percentage Bushland
<b>EDGEWATER</b>				
	Birdland Court	.27	4	10
	Garrong Close	.45	3	
(F) Hilltop	Hilltop Pl, Lakeview Dr, Woodview Cl	1.12	4	
(F) Lake Valley	Lake Valley Drive, St Clair Circle	1.73	2	65
(F) Lakeview	Lakeview Drive	.07	4	
	Quarry Ramble	.47	4	
(F) Picnic Cove	Edgewater Drive (not vested)	1.00	4	25
	Old Quarry, Joondalup Drive	12.26	3	
(F) Quarry Ramble	Quarry Ramble, Edgewater Drive	3.12	4	
(F) Ridge	Ridge Close, View Crescent	.40	4	30
	St Clair Circle, Heron Close	2.84	2	
	Alleys Between Stillwater & Reflection	.19	4	
(F) Tuart	Tuart Trail	.46	4	40
(F) Wedgewood	Wedgewood Drive, The Loop, Hillside Close	1.26	4	
(F) Whistler	Whistler Close	.27	4	
(F) Woodland	Woodland Loop, Stillwater Way	.09	4	
<b>GREENWOOD</b>				
(F) Annato	Adenandra Way, Annato Way, Malua Crt, Vine Crt	2.02	4	10
(F) Birch	Cade Place, Birch Place	.55	4	
(F) Blackthorn	Blackthorn Way, Hepburn Avenue, Cockman Road	2.21	4	
(F) Calectasia	Coolibah Drive, Calectasia Street	2.75	4	65
(F) Filbert	Filbert Street, Blackall Drive	.70	4	
(F) Gerda	Gerda Court	.50	4	
(F) Hartley	Hartley Court, Chandos Way, Garfield Way	.60	4	65
	Karuah Way, Hepburn Avenue	.17	4	
(F) Kilrenny	Kilrenny Cres, Gilmerton Way, Iona Place	.96	4	
(F) Kurrajong	Kurrajong Place, Lydia Court, Peppermint Drive	1.28	4	65
(F) Leaside	Leaside Way	.32	4	
(F) Mamo	Protea, Mamo, School Fence	1.04	4	

Park/Suburb	Address (adjoining streets)	Area (hectares)	Priority	Percentage Bushland
<b>GREENWOOD (contd)</b>				
(F) Oleaster	Oleaster Way, Blackall Drive	.82	4	15
(F) Parin	Canham Way, Wanneroo Road	.45	4	
	Paveta Court	.48	4	
(F) George Sears	Wanneroo Rd, York St, Morritt St, Mattison Way	1.48	4	
(F) Rodgers	Rodgers Street, Cobine Way, Warwick Road	1.17	4	
(F) Sherington	Sherington Road, Tabard Street, Frinton Place	.86	4	
(F) Strathaven	Darnley Crescent, Strathaven Crescent	.20	4	
Warner	Warner Place	.02	4	
<b>HEATHRIDGE</b>				
(F) Balanus	Balanus Way	1.64	4	10
	Captain Court, Poseidon Road, Ocean Reef Road	.18	4	
	Dardan			
	Dardanus Way	.310	4	
(F) Faversham	Ellendale Drive, Faversham Way	1.11	4	
(F) Larkspur	Larkspur Place, Poseidon Road	3.08	4	
<b>HILLARYS</b>				
(F) Fenton	Fenton Way	.46	4	
	Mackay			
	Verge (links Mackay/Taylor)	.07	4	
	Monkhouse			
	Verge (links Monkhouse to Cook)	.06	4	
(F) Ranford	Ranford Way, Waterford Drive	.40	4	
<b>ILUKA</b>				
(F) Bethany (Part Bush)	Bethany Gardens, Ocean Parade	.70	2	30
(F) Kuta	Kuta Circuit, Ocean Gate Parade	.31	2	30



	Park/Suburb	Address (adjoining streets)	Area (hectares)	Priority	Percentage Bushland
	KALLAROO				
(F)	Batavia	Batavia Place	.39	4	65
	Bigola	Northshore Drive, Bigola, Clareville	.07	4	
(F)	Culwalla	Marmion Avenue, Culwalla Street	.61	4	
	Cygnnet	Res 32753 Bridgewater Verge Near Cygnnet	.08	4	
(F)	Glenbank	Awhina Place, Glenbank Crescent	.54	4	
	Kilarney	Northshore Drive, Kilarney Heights	.13	4	
	Maritana (B)	Maritana Road, Benan Street, Lygnern Crescent	2.77	2	
	KINGSLEY				
(F)	Bindaree	Bindaree Drive, Goollelal Drive	3.07	2	50
(F)	Cadogan	Cadogan Street	1.50	4	
	Cadogan (B)	Cadogan Street	3.41	3	
(F)	Grebe	Grebe Close, Wanneroo Road	.26	4	70
(F)	Greenwich	Greenwich Ct, Hampstead Ct, Woodford Wells Way	1.52	4	
	John Smithie	Lakeway		4	
(F)	Kingfisher	Kingfisher Grove, Wanneroo Road	.26	4	
(F)	Lehmann	Lehmann Court, Cowan Close, Talbot Drive	.72	4	
	Newcross	Road Island	.05	4	
	Robertson Rd Cycle	Goollelal Drive through to Freeway Reserve	3.60	4	
	Shepherds Bush (B)	Shepherds Bush Road, Newcross Road	16.44	1	80
(F)	Spoonbill	Spoonbill Grove, Wanneroo Road	.23	4	
	Talbot	Talbot Drive, Montessori Place	1.27	4	
	KINROSS				
(F)	Earlsferry	Earlsferry Green, Kilmory Grove	1.64	2	30
(F)	Rutherglen	Rutherglen Circle	.44	4	10
(F)	Stow	Stow Lane, Connolly Drive		4	

Park/Suburb	Address (adjoining streets)	Area (hectares)	Priority	Percentage Bushland
<b>MARMION</b>				
	Banksia Dale			
(F) Cliff	Cliff Street, Syree Court	.17	4	
(F) Clifford Coleman	Ozone Road, Troy Avenue, Cliff Street (formerly Troy)	.26	4	
Cliverton	At Cul-de-sac - Connects to Sheppard Way	.28	4	
Gull	Cliff Street, Gull Street	.01	4	
		.26	4	
<b>MULLALOO</b>				
(F) Anemone	Anemone Way, Dampier Avenue	.29	4	
(F) Gunida	Korella Street, Gunida Street	.64	4	
(F) Kallaroo	Kallaroo Pl, Marmion Ave, Mullaloo Dr	4.07	2	40
Merrifield	Foreshore	.37	4	
Periwinkle (B)	Periwinkle Road	3.72	2	60
(F) Waltham	Dampier Avenue, Waltham Street	.28	4	
<b>OCEAN REEF</b>				
(F) Village Walk (M)	Village Walk	.22	4	
<b>PADBURY</b>				
	Roe Court, McCrae Court			
(F) Barclay	Barclay Avenue	.15	4	
(F) Brazier	Brazier Rise, Cleave Court	.20	4	
(F) Brisbane	Brisbane Drive, MacLeay Drive	.67	4	
(F) Brisbane	Brisbane Drive	1.83	4	
(F) Byrne	Byrne Close	.27	4	
(F) Callion	Callion Rise, Pinnaroo Drive	.32	4	
(F) Cunningham	Cunningham Place, Logan Court	.21	4	
(F) Ellison	NE Cnr Marmion/Hepburn Avenue	.67	4	
Fraser	Fraser Way, Warner Drive	.11	4	
Hepburn Hts (Cons)		.37	4	
(F) Hughes	Hughes Court (Road Island)	.07	4	

Park/Suburb	Address (adjoining streets)	Area (hectares)	Priority	Percentage Bushland
<b>PADBURY (contd)</b>				
(F) Leichhardt (East)	Leichhardt Avenue	2.23	4	
(F) Leichhardt (West)	Leichhardt Avenue, McKinlay Avenue	.12	4	
(F) McArthur	McArthur Avenue	.18	4	
(F) McKinlay	McKinlay Road, Grey Road	.47	4	
(F) McRae Park	McRae Court	.04	4	
Minchin	Marmion Verge - Buchanan to Giles	.38	4	
(F) Sweeney	Sweeney Place	.54	4	
(F) Wentworth	Wentworth Way, Barrallier Way, Stawell Way	.50	4	
Windich	Windich Court (Road Island)	.03	4	
<b>SORRENTO</b>				
(F) Clare	Clare Street, Ross Avenue	.24	4	10
Hakea	Hakea Place	.08	4	
(F) Harman	Harman Road, Marmion Avenue, Parnell Avenue	1.80	3	10
Ledge (B)	Howland Road, Hepburn Avenue	.55	1	80
(F) Porteous	Porteous Road, Parnell Avenue, Jerome Road	2.18	4	30
Sorrento Foreshore	Sorrento Beach, West Coast Highway	5.00		
<b>WARWICK</b>				
(F) Carr	Carr Crescent	.73	4	
Hawick	Hawick Court, Hawker Avenue	.07	4	
(F) Hillwood (North)	Hillwood Avenue	.65	4	
(F) Hillwood (South)	Hillwood Avenue	.53	4	
Sanday (B)	North Entrance to Warwick Station	.10	4	
(F) Springvale	Springvale Drive, Beach Road, Park Way	1.08	4	
Warwick Open Space				
Conservation Zone	Warwick Road, Erindale Road	est. 5.00	1	80
Warwick O/S (B)	Warwick Road, Wanneroo Road, Erindale Road	57.00	1	85

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WOODVALE			
	Beenyup	Adj to Beenyup Swamp (Adj Perry Paddock)	
(F)	Cornish	Cornish Avenue, Ramsay Grove	
(F)	Trailwood	Trailwood Drive, Whitfords Avenue	
		.10	4
		.60	4
		1.08	4

Total Dry Parks - 149      Total Area - 129.57

Total Bushland - 18      Total Area - 187.94

LEGEND

PRIORITY 1 - GOOD QUALITY UNDERSTOREY AND TREES. MINIMAL WEED GROWTH.	Total - 8
PRIORITY 2 - LIMITED UNDERSTOREY - 50% WEED GROWTH - 50% GRASS.	Total - 16
PRIORITY 3 - NO UNDERSTOREY GRASS AND WEED IN EXCESS OF 60%.	Total - 5
PRIORITY 4 - DRY GRASS AND TREES.	Total - 134

Program : Dry Park, Median and Verge Development Program																						
Codes			Project Details					IMS Costs										Construction Costs				
BMS	Bus. Unit	Project	Project Priority	Name	Description	Locality	Rank In Year	Investig ate	Survey	Design	Total IM&S	HR&S	LAB	OH	Purchases	Plant Op	Est Depn	Total Const Cost	Total Cost	Source	Revenue	Annual Operating / Maintenance Costs
<b>2000/01</b>																						
623		DPD001	1	Adelaide Park (Craigie Drive)	Installation of Bore and reticulation to Adelaide Park	Craigie	1				955				47,755			47,755	48,710	MUNI		10,580
623		DPD002	1	Galston Park (Warwick Rd)	Installation of Bore and reticulation to Galston Park	Duncraig	2				947				47,375			47,375	48,322	MUNI		10,395
623		DPD004		Earlsferry Park (Marmion Ave)	Installation of Bore and reticulation to Earlsferry Park	Kinross	4				832				41,580			41,580	42,412	MUNI		7,557
623		DPD005	1	Dry Park - Stage 1 Quarry Ramble/Picnic Cove	Installation of Bore and reticulation	Edgewater	5				1,720				86,000			86,000	87,720	MUNI		23,654
623		DPD006	1	Wanbrow Park	Installation of reticulation off Marri park	Duncraig	6				944				47,200			47,200	48,144	MUNI		2,172
623		DPD004	1	Marmion Ave (Earlsferry Park)	Installation of reticulation to Marmion Ave from Burns Beach Rd to Northern boundary	Kinross/ Burns	4								78,200			78,200	78,200	MUNI		
<b>TOTAL</b>															<b>300,355</b>			<b>300,355</b>	<b>353,508</b>			<b>43,778</b>
<b>2001/02</b>																						
623		DPD003	2	Cinque Park (Hodges Dr)	Installation of Bore and reticulation to Cinque Park	Connolly	3				920				46,000			46,000	46,920	MUNI		4,435
623		DPD002	1	Dry Park - Stage 1 Warwick Rd (Galston Park)	Installation of reticulation to Warwick Rd from Chessell Dr to Marmion Ave	Duncraig	2								96,000			96,000	96,000	MUNI		
623		DPD008	2	Median and verge - Stage 2 Killen Park	Installation of Bore and reticulation	Duncraig	3				760				38,065			38,065	38,825	MUNI		2,310
623		DPD009	2	Leichardt Park	Installation of Bore and reticulation	Padbury	4				944				47,185			47,185	48,129	MUNI		10,303
623		DPD010	2	Poynter Park	Installation of Bore and reticulation	Duncraig	5				1,260				63,040			63,040	64,300	MUNI		9,933
623		DPD011	2	Sherrington Park	Installation of Bore and reticulation	Greenwood	6				164				8,170			8,170	8,334	MUNI		3,973
623		DPD012	2	Sycamore Park	Installation of Bore and reticulation	Duncraig	7				928				46,425			46,425	47,353	MUNI		3,557
623		DPD013	2	Larkspur Park (Hodges Dr)	Installation of Bore and reticulation Possible connection to Hodges Drive	Heathridge	8				1,105				55,260			55,260	56,365	MUNI		14,230
<b>TOTAL</b>															<b>400,145</b>			<b>400,145</b>	<b>408,228</b>			<b>48,741</b>
<b>2002/03</b>																						
623		DPD014	3	Blackthorn Park (Hepburn Ave)	Installation of Bore and reticulation to Blackthorn Park	Greenwood	1				940				46,995			46,995	47,935	MUNI		5,405
623		DPD007	2	Dry Park - Stage 1 Warwick Rd (Rodgers Park)	Installation of reticulation to Warwick Rd from Wanneroo Rd to Erindale Rd	Greenwood/ Warwick	1								52,000			52,000	52,000	MUNI		
623		DPD015	3	Cullwalla Park (Marmion Ave)	Installation of Bore and reticulation to Cullwalla Park	Kallaroo	2				635				31,795			31,795	32,430	MUNI		2,818
623		DPD016	3	Dry Park - Stage 1 Rodgers Park (Warwick Rd)	Installation of Bore and reticulation to Rodgers Park	Greenwood	1				742				37,115			37,115	37,857	MUNI		7,577
623		DPD017	3	Dry Park stage 1 Merrifield Park	Installation of Bore and reticulation	Kallaroo	5				590				29,515			29,515	30,105	MUNI		1,709
623		DPD018	3	Salata Park	Installation of Bore and reticulation	Duncraig	6				1,090				54,500			54,500	55,590	MUNI		13,860
623		DPD019	3	Wedgewood Park	Installation of Bore and reticulation	Edgewater	7				760				37,970			37,970	38,730	MUNI		5,821
623		DPD014	3	Hepburn Ave (Blackthorn Park)	Installation of reticulation to Hepburn Ave from Wanneroo to Barridale Dr	Kingsley/ Greenwood	1								54,800			54,800	54,800	MUNI		
623		DPD015	3	Median and verge - Stage 2 Marmion Ave (Cullwalla Park)	Installation of reticulation to Marmion Ave from Craigie Dr to Coral St	Craigie/ Kallaroo	2								41,200			41,200	41,200	MUNI		
<b>TOTAL</b>															<b>385,890</b>			<b>385,890</b>	<b>390,647</b>			<b>37,190</b>

2003/04														
623	DPD020	4	Hilton Park (Marmion Ave) Dry Park - Stage 1	Installation of Bore and reticulation to Hilton Park	Duncraig	1				895			44,715	
623	DPD001	1	Craigie Drive (Adelaide Park) Median and verge - Stage 2	Installation of reticulation to Craigie drive from Eddystone Ave to Ocean Reef Rd	Beldon/ Craigie	1							44,715	45,610
623	DPD021	4	Kallaroo Park (Marmion Ave) Dry Park - Stage 1	Installation of Bore and reticulation to Kallaroo Park	Mullaloo	2			1,294			10,000	10,000	10,000
623	DPD022	4	Portree Park (Warwick Rd) Dry Park - Stage 1	Installation of Bore and reticulation to Portree Park	Duncraig	3			928			64,665	64,665	65,959
623	DPD023	4	Bindaree Park	Installation of Bore and reticulation	Duncraig	3						46,425	46,425	47,353
623	DPD024	4	Parin Park	Installation of Bore and reticulation	Kingsley	5			1,103			55,165	55,165	56,268
623	DPD020	4	Marmion Ave (Hilton Park) Median and verge - Stage 2	Installation of Bore and reticulation	Greenwood	6			605			30,275	30,275	30,880
623	DPD021	4	Marmion Ave (Kallaroo Park) Median and verge - Stage 2	Installation of reticulation to Marmion Ave from Marri Rd to Seacrest Dr	Sorrento/ Duncraig	1						42,000	42,000	42,000
623	DPD022	4	Warwick Rd Portree Park Median and verge - Stage 2	Installation of reticulation to Marmion Ave from Craigie Dr to Gunter Way	Mullaloo/ Beldon	2						34,600	34,600	34,600
				Installation of reticulation to Warwick Rd from Glengarry Dr to Chessell Dr	Duncraig	3						86,600	86,600	86,600
TOTAL												414,445	414,445	419,270
2004/05														
623	DPD016	4	Balanus Park	Installation of Bore and Reticulation.	Heathridge	1			837			41,580	41,580	42,417
623	DPD026	5	Alfreton Park	Installation of Bore and reticulation. Abuts primary school	Duncraig	1			786			39,300	39,300	40,086
623	DPD027	5	Alder Park (Warwick Rd)	Installation of Bore and reticulation. Possible connection to Warwick Road	Duncraig	2			560			29,895	29,895	30,455
623	DPD028	5	George Sears Park (Wanneroo Rd)	Installation of Bore and reticulation. Possible connection to Wanneroo Road	Duncraig	3			800			40,060	40,060	40,860
623	DPD029	5	Glenbank Park (Marmion Ave)	Installation of Bore and reticulation. Possible connection to Marmion Ave	Kallaroo	5			622			31,130	31,130	31,752
623	DPD030	5	Hilltop Park	Installation of Bore and reticulation.	Edgewater	6			733			36,640	36,640	37,373
623	DPD031	5	Oleaster Park	Installation of Bore and reticulation.	Greenwood	7			680			33,970	33,970	34,650
623	DPD032	5	Paveta Park	Installation of Bore and reticulation.	Greenwood	8			611			30,560	30,560	31,171
TOTAL												283,135	283,135	289,764
GR TOTAL												1,783,970	1,783,970	1,858,415
														224,197

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