



*AUSTRALIAN PLUMBING COST
GUIDE*

*GUIDE TO CURRENT COSTS OF PLUMBING &
DRAINAGE WORKS*

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AUSTRALIAN PLUMBING COST GUIDE
GUIDE TO THE CURRENT COSTS OF
PLUMBING & DRAINAGE WORKS

SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING

Volume 6
1st EDITION
JANUARY 2011

Edited by Neville Brown & Associates Pty Ltd.

PO Box 130, Narellan NSW 2567

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ISSN 1834-0245

The Australian Plumbing Cost Guide is a living document that reflects changes in material prices, labour costs, and new methods, materials and work practices as the industry changes.

It is the only guide of its kind written by plumbers, for plumbers.

To maintain currency, the majority of rates within the guide are reviewed during the tendering process of actual projects under construction, and adjusted to reflect the feedback of our clients. Rates are subject to change with each new edition published.

It is important that users ensure that they are up to date and using the most current edition of the guide.

Neville Brown & Associates Pty Ltd welcomes feedback of improvements, additions and encourages users to notify us of any inaccuracies or similar issues they may have with the guide.

Disclaimer

All care has been taken in the to ensure accuracy in preparation of the information herein, but no responsibility is accepted by the publisher or editors for any damages or loss of any kind resulting from the use of this information.



Ross Brown joined the Australian Gas Light company in 1986 as an apprentice plumber, drainer and gasfitter, and graduated from Bankstown Tafe in 1990.

Undertaking further studies in the Associate Diploma of Engineering (Plumbing Services), Diploma of Plumbing, and after successfully running his own plumbing business for several years, he joined Neville Brown & Associates Pty Ltd as a hydraulic engineer. He has practised as an estimator for many plumbing contractors and continues to serve his satisfied clients today.

Ross is a member of the Master Plumbers Association of New South Wales, The Law Society of New South Wales and several other associated professional organisations.

SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING

INTRODUCTION

This guide arose out of the everyday needs of the plumbing contractors whom consulted our hydraulic consulting and estimating practice.

It is the only guide of its kind written by plumbers, for plumbers.

The rates contained within this book are rates developed over the years as estimators for various plumbing companies, large and small. The rates are used as a base for tender preparation today.

Plumbing contractors, Plumbing consultants, Engineers, and Architects will find this publication a useful and helpful guide in estimating the cost of plumbing and drainage works, and any feedback or suggestions would be greatly appreciated.

Users should not hesitate to contact our office directly should they require assistance with estimating or plumbing services generally.

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SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING

MANUFACTURERS PRICING INCREASES

Sourced from various plumbing suppliers – check with your local plumbing supplier for confirmation of any increase in pricing from manufacturers.

Note – Manufacturers prices increases may vary from state to state.

Manufacturer	Products	Increase	Date
Elster Metering	Water Meters, Tita Fittings Etc Increases Not Advised At This Time	TBA	01-01-11
Saniflo Australasia	Sani Pumps Few Increase 3% Others No Change	Few Increase 3% Others No Change	01-01-11
Bremick	SS 316 Bolts/Nuts & Washers Increases Approx 4%	Increases Approx 4%	01-01-11
Crane Copper Tube	Copper Tube Increase 5%	Increase 5%	01-01-11
Rheem Service	Rheem Spare Parts Increases Around 5%	Increases Around 5%	01-01-11
Thomas Gooden	Screwed Brassware Etc Mainly Decreases But Few Increase No Set %	No Set %	01-01-11

SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING

NOTES ABOUT USING THIS GUIDE

The purpose of this guide is to provide approximate costing information for the various items described throughout. The rates shown throughout the guide will be low for some types of work, and high for others. Costs of plumbing and drainage works will vary due to a large number of factors and your own particular circumstances must be taken into account when using the information in this book.

The rates indicated in the guide are price **at cost** – i.e you will need to add profit and materials markup to the base rates where you elect to do so.

Unless noted otherwise, all piping described as „laid in ground“ has been allowed at a maximum of one (1) metre depth. Users will need to make additional allowances where piping is required to be laid at depths greater than this.

- **All rates in this guide exclude the Goods and Services Tax (GST).**
- **No allowance is made within the rates for profit.**
- **No allowance is made within the rates for markup on materials.**

The rates within this guide have been calculated using published material prices from plumbing merchants where plumbing contractors would ordinarily purchase materials. Due to fluctuations in materials prices from time to time, users of this guide will find it necessary to keep themselves informed as to the current state of material pricing and adjust their rates and tenders accordingly.

Material allowances include for general materials required for installation of the item described. For example,

100mm UPVC sewer drainage laid in ground will require in addition to the pipe itself,

- excavation,
- blue metal,
- glue and cleaner,
- back fill.

- Quick cleanup after the work is complete.
- Testing the complete work.

Where users require assistance using this publication, or with estimating generally, readers should not hesitate to contact Neville Brown & Associates Pty Ltd Estimating Services for further assistance and advice. Contact details can be found at the rear of this guide.

SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING

COMMON ABBREVIATIONS USED IN HYDRAULIC SERVICES DOCUMENTS

AD	AERIAL DRAINAGE	FFL	FINISHED FLOOR LEVEL	PvS	PROVISIONAL STACK
AAV	AIR ADMITTANCE VALVE	FD	FIRE DRENCHER	RP	RAINWATER PIPE
A/C	AIR CONDITIONING	FHR	FIRE HOSEREEL	RCV	RECESSED CONTROL VALVE
AGL	AUSTRALIAN GAS LIGHT COMPANY	FHR	FIRE HYDRANT	RL	REDUCED LEVEL
AHD	AUSTRALIAN HEIGHT DATUM	FU	FIXTURE UNITS	RPZ	REDUCED PRESSURE ZONE DEVICE
BD	BALCONY DRAIN	FW	FLOOR WASTE	RCP	REINFORCED CONCRETE PIPE
BS	BAR SINK	F/A	FROM ABOVE	RV	RELIEF VENT
BA	BASKET ARRESTOR	F/B	FROM BELOW	RO	ROOF OUTLET
B	BATH	FC	FUME CUPBOARD	SHR	SHOWER
BPS	BED PAN STERILISER	GMS	GALVANISED MILD STEEL	SHH T	SHROUDED HOSETAP
BDT	BIDET	GS	GARBAGE SUMP	SRO	SIDE ROOF OUTLET
BWU	BOILING WATER	G	GAS	SK	SINK
BT	BOUNDARY TRAP	GF	GAS FLUE	SD	SLUDGE DRAIN
Br	BRASS	GR	GAS REGULATOR / GAS RISER	SP	SOIL PIPE
BFW	BUCKET FLOOR WASTE	GA	GREASE ARRESTOR	SS	SOIL STACK
CI	CAST IRON	GVP	GREASE VENT PIPE	STD	SPRINKLER TEST DRAIN
C/P	CHROME PLATED	GWS	GREASE WASTE STACK	SV	STOP VALVE
CS	CLEANERS SINK	HB	HANDBASIN	SWP	STORMWATER PIT
CO	CLEAROUT	HDP E	HIGH DENSITY POLYETHYLENE	SSRM	SUB-SOIL RISING MAIN
CW	COLD WATER	H/L	HIGH LEVEL	SIP	SURFACE INLET PIT
CD	CONDENSATE DRAIN	HT	HOSE TAP	SL	SURFACE LEVEL
CP	CONDENSATE PIPE	HW	HOT WATER	T/A	TO ABOVE

HOW MANY HOURS ARE AVAILABLE - A WORKED EXAMPLE

HOW MANY AVAILABLE HOURS IN A YEAR CAN I CHARGE FOR?

Plumbers don't work 24 hours a day, 365 days a year, although to many it might seem like they do. Take away weekends, public holidays, rostered days off, lost time and time spent training and actually running your business, and you might be surprised at how few hours are left for you to actually charge your customers. You should adjust the following hourly figures to suit those actually found in your business. We will use eight (8) hours days for the calculating your charge out rate, as most contractors, for ease of calculation, will tend to estimate and charge out in blocks of eight (8) hours or parts thereof. Note that the working week for the purposes of paying your employees may be less than this (38 hour week).

SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING

LABOUR TIME CONVERSION CHART

Time, in minutes	Expressed as Ratio of an Hour	Time, in minutes	Expressed as Ratio of an Hour
1.00	0.02	31.00	0.52
2.00	0.03	32.00	0.53
3.00	0.05	33.00	0.55
4.00	0.07	34.00	0.57
5.00	0.08	35.00	0.58
6.00	0.10	36.00	0.60
7.00	0.12	37.00	0.62
8.00	0.13	38.00	0.63
9.00	0.15	39.00	0.65
10.00	0.17	40.00	0.67
11.00	0.18	41.00	0.68
12.00	0.20	42.00	0.70
13.00	0.22	43.00	0.72
14.00	0.23	44.00	0.73
15.00	0.25	45.00	0.75
16.00	0.27	46.00	0.77
17.00	0.28	47.00	0.78
18.00	0.30	48.00	0.80
19.00	0.32	49.00	0.82
20.00	0.33	50.00	0.83
21.00	0.35	51.00	0.85
22.00	0.37	52.00	0.87
23.00	0.38	53.00	0.88
24.00	0.40	54.00	0.90
25.00	0.42	55.00	0.92
26.00	0.43	56.00	0.93
27.00	0.45	57.00	0.95
28.00	0.47	58.00	0.97
29.00	0.48	59.00	0.98
30.00	0.50	60.00	1.00

SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING

SUPERVISION EXPENSES

Where your particular project requires site supervision, such as a foreman who is running your job, but not actually undertaking any plumbing work you will need to allow this in addition to the direct labour costs of installing actual plumbing works. Supervision of works to the plumbing contractor is not included in these rates.

As these costs can vary widely from job to job and plumbing firm to plumbing firm, you should calculate the cost of supervision and non-productive labour and add this to your estimate, independent of the direct installation costs. Generally, this can be allowed by establishing your labour costs for supervisors and other non-productive personnel and estimating the amount of time they will spend undertaking such duties related to that project.

EXAMPLE

A 52-week project requires a full time site supervisor (foreman) to supervise and manage a team of eight plumbers. He undertakes no installation work. You have calculated the supervisor's costs to be \$85 / hour.

52 weeks x 38 hours/week x \$85 = \$167,960.00

Therefore, in this example, in addition to the labour costs associated with installing the actual work, you would need to add \$167,960.00 solely to cater for the cost of employing a full time site supervisor for a hypothetical 52 week project. The rates included within this book allow only for productive labour by reasonably productive tradespeople. Supervision costs might be included within your overhead costs when calculating overheads in you charge out rate. If not, you should allow them independent of chargeable time.

HOW ACCURATE ARE THESE RATES?

The rates used within this book are used day to day on actual projects under construction by plumbing firms in Australia. However, they will not suit every plumbing business on every plumbing project in every circumstance. It should be borne in mind that in establishing these rates, we are not familiar with the unique circumstances applicable to your project, such as;

- ✓ Where or what your job is,
- ✓ What plumbing codes or standards are applicable to the work you are pricing,
- ✓ Any special requirements that are applicable to the project

Due to the unique nature of each job, obviously all plumbing work cannot be done exactly as these rates prescribe, you will need to adjust these rates to suit your particular plumbing firm, contracting team, project and relevant codes and legislation which may impact upon times taken to complete individual items.

SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING

ALLOW FOR PRICE CHANGES

The majority of construction projects tend to get underway approximately three to six months and often twelve months from the tender close date. It is highly unlikely that you will be given an opportunity to increase your price at a later date to include for any price changes that might have occurred between tender time, and actual construction time.

As you cannot be sure what prices will be in the future, all labour and material prices in your tender should reflect costs anticipated when the project is expected to be built, not when the estimate is completed.

As such, you should include for an allowance in your tender proposal to cover anticipated increases.

SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING

Neville Brown & Associates Pty. Ltd.

SUSTAINABLE BUILDING SERVICES CONSULTANTS

CIVIL, FIRE PROTECTION & HYDRAULIC DESIGN SERVICES
 FIRE HYDRANTS, HOSEREEL, SPRINKLER & ESSENTIAL SERVICES DESIGN
 FORENSIC INVESTIGATION, EXPERT WITNESS & LITIGATION SUPPORT SERVICES
 FIRE & ESSENTIAL SERVICES AUDIT, TESTING AND CERTIFICATION
 SPECIALIST CIVIL & HYDRAULIC AND ELECTRICAL SERVICES ESTIMATING
 SOLAR AIR CONDITIONING AND HOT WATER SYSTEMS DESIGN & CONSULTING
 SPECIALIST COMMERCIAL TRADE WASTE CONSULTING
 ELECTRICAL, LIGHTING AND DATA SYSTEMS DESIGN
 GAS CO-GENERATION AND AIR CONDITIONING SYSTEMS
 HYDRONIC UNDERFLOOR HEATING SYSTEMS DESIGN
 WINDOW & RESIDENTIAL FIRE SPRINKLERS (9a & 9c)
 BUSHFIRE PROTECTION & SPRINKLER CONSULTING
 SIPHONIC DRAINAGE SYSTEMS DESIGN
BASIX STORMWATER DRAINAGE SYSTEMS
 GREY & RAINWATER REUSE SYSTEMS DESIGN
 ON SITE SEWAGE TREATMENT, DISPOSAL & REUSE SYSTEMS
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PROFESSIONAL FEES

Hydraulic Design Fees - Costs to engage a specialist professional hydraulic consulting firm for design & design certification for a project with an estimated value as described below.

Note – Fees can vary greatly between different firms and the following costs are a guide only. **Always** obtain a firm quotation for all required services prior to lodgement of a tender.

PERCENTAGE FEE SCALES

Percentage scale of fees relative to estimated cost of plumbing & drainage works for full design & design certification, including necessary supervision & inspection of works. Note – Fees can vary greatly between different firms and the requirements of individual projects, and the following costs are indicative only.

➤ Project Value > \$100,000.00	9-14%
➤ Project Value > \$500,000.00	9-12%
➤ Project Value > \$1,000,000.00	7-10%
➤ Project Value > \$5,000,000.00	5-8%

HOURLY RATES – PROFESSIONAL SERVICES

➤ Hydraulic Engineer / Plumbing Consultant	\$190-\$260 / Hour
➤ Civil Engineer	\$190-\$260 / Hour
➤ Civil / Hydraulic Services Estimator	\$120-\$140 / Hour
➤ CAD Drafter	\$80-\$110 / Hour
➤ Contracts Administrator	\$80-\$110 / Hour

PROFESSIONAL FEES – CONSTRUCTION DOCUMENTATION

Note – Fees can vary greatly between different firms and the following costs are indicative only. **Always** obtain a firm quotation for all required services prior to lodgement of a tender.

Preparation of Workshop Drawings - Costs to engage a specialist professional hydraulic consulting firm for design & design certification for a project with an estimated value as described below.

PERCENTAGE FEE SCALES - WORKSHOP DRAWINGS

Percentage scale of fees relative to estimated cost of plumbing & drainage works for full design & design certification, including necessary supervision & inspection of works. Note – Fees can vary greatly between different firms and the requirements of individual projects, and the following costs are indicative only.

➤ Project Value > \$100,000.00	8-14%
➤ Project Value > \$500,000.00	8-12%
➤ Project Value > \$1,000,000.00	5-10%
➤ Project Value > \$5,000,000.00	4-8%

SAMPLE RATES ONLY. DO NOT USE FOR ESTIMATING

EZY-MANUAL[®]

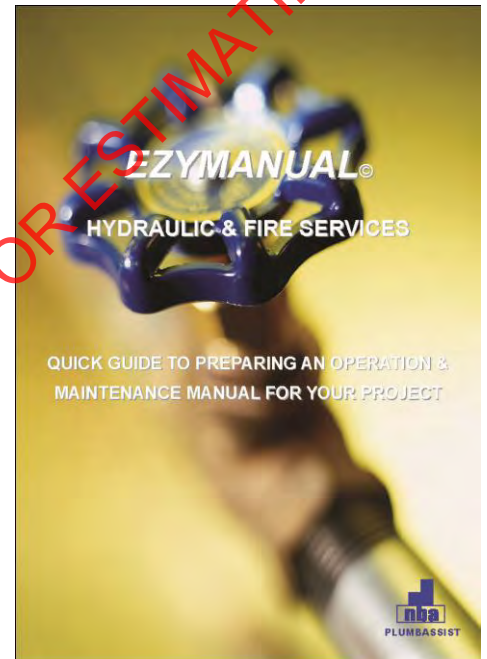
HYDRAULIC & FIRE SERVICES

DOES YOUR PROJECT REQUIRE OPERATIONAL AND MAINTENANCE MANUALS?

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- **INSTRUCTIONS ON HOW TO WRITE, CUSTOMISE AND PRESENT YOUR OPERATION & MAINTENANCE MANUAL**
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- **INDIVIDUAL SERVICE SHEETS FOR YOUR CUSTOMISATION**

CONTACT

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WEBSITE www.plumbingcosts.com.au

WATER SERVICES TO TYPICAL AREAS

NOTE: Prices in this section are for installation of hot/warm and cold water services including wall chasing, making good and testing. Prices in this section include for installation of piping only, but not installation of fixtures, which should always be measured separately.

NOTE: Rates are not conclusive but merely a guide to the likely costs of the work described for that area.

TYPICAL HOME UNIT WATER SERVICE ROUGH IN

Item	Unit	Material	Labour Time	Labour Rate	Labour Total	Total
Typical R/In Standard Home Unit	- Ea	\$2,497.15	19.13	85.00	1,425.00	\$3,932.15
With Ensuite Cu Pipe						
Typical R/In Accessible Home Unit		\$2,937.08	20.06	85.00	1,504.88	\$4,441.96
With Ensuite Cu Pipe						

SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING

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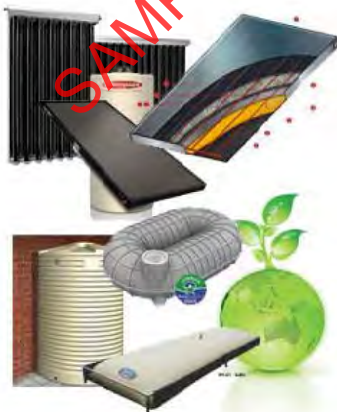
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 W: www.enviropoint.net.au

Rain Harvesting



GAS SERVICE TO TYPICAL AREAS

NOTE: Prices in this section are for fixing of typical natural gas service to a project home unit, typically consisting of a cooker, bayonet fitting to serve a room heater, and an instantaneous gas hot water heater only. Prices in this section include for installation of piping only, and include for chasing into brickwork walls, but not installation of fixtures, which should always be measured separately.

NOTE: Rates are not conclusive but merely a guide to the likely costs of the work described for that area.

Item	Unit	Material	Labour Time	Labour Rate	Labour Total	Total
Typical Home Unit Gas Supply Cu Piping	- Ea	\$881.85	6.46	85.00	484.50	\$1,366.35

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Map: REGENT PARK PLUMBING SUPPLIES 46-48, Clapton Rd, Carlingford St, Rail, Jenson Park, TO PARK RD

PC FIXOUT

FIXTURES

NOTE: Prices in this section are for fixing of PC Item(s) only. Prices in this section include for installation inclusive of waste, flexible connections, fixings, and connection to services but not for the actual fixtures or tapware themselves.

Item	Unit	Material	Labour Time	Labour Rate	Labour Total	Total
FIX ONLY KITCHEN SINK	- Ea	\$48.17	1.50	\$85.00	\$127.50	\$175.67
FIX ONLY CLEANERS SINK	- Ea	\$108.86	2.50	\$85.00	\$212.50	\$321.36
FIX ONLY SLOPHOPPER	- Ea	\$51.87	4.50	\$85.00	\$382.50	\$434.37
FIX ONLY ACTIVITY / WASH TROUGH	- Ea	\$27.63	1.50	\$85.00	\$127.50	\$155.13
FIX ONLY WASHING MACHINE	- Ea	\$9.73	0.50	\$85.00	\$42.50	\$52.23
FIX ONLY LAUNDRY TUB	- Ea	\$13.73	1.50	\$85.00	\$127.50	\$141.23
FIX ONLY ICE MACHINE	- Ea	\$35.27	2.00	\$85.00	\$170.00	\$205.27
FIX ONLY FILTERED WATER UNIT	- Ea	\$35.27	2.00	\$85.00	\$170.00	\$205.27
FIX ONLY DISH WASHER	- Ea	\$24.63	1.00	\$85.00	\$85.00	\$109.63
FIX ONLY PAN SANITIZER	- Ea	\$51.87	4.50	\$85.00	\$382.50	\$434.37
FIX ONLY WALL URINAL (FLUSHING)	- Ea	\$23.64	1.50	\$85.00	\$127.50	\$151.14
FIX ONLY WALL URINAL (RADAR OPERATED)	- Ea	\$23.64	3.50	\$85.00	\$297.50	\$321.14
FIX ONLY ACRYLIC BATH	- Ea	\$57.64	4.00	\$85.00	\$340.00	\$397.64
FIX ONLY SPA BATH	- Ea	\$57.64	5.00	\$85.00	\$425.00	\$482.64
FIX ONLY PLASTER ARRESTOR	- Ea	\$16.35	1.50	\$85.00	\$127.50	\$143.85
FIX ONLY GAS ROOM HEATER (FIXED)	- Ea	\$23.27	2.00	\$85.00	\$170.00	\$193.27
FIX ONLY GAS COOKTOP	- Ea	\$23.27	0.85	\$85.00	\$72.25	\$95.52
FIX ONLY SHOWER SET	- Ea	\$3.51	0.50	\$85.00	\$42.50	\$46.01
FIX ONLY SHOWER BASE	- Ea	\$47.60	1.50	\$85.00	\$127.50	\$175.10
FIX ONLY WALL BASIN PVC TRAP	- Ea	\$37.27	1.00	\$85.00	\$85.00	\$122.27
FIX ONLY ACCESS BASIN PVC TRAP	- Ea	\$37.27	1.50	\$85.00	\$127.50	\$164.77

ARE YOUR PRICES RIGHT?

DO YOUR TENDERS COVER YOUR OPERATING COSTS?

ARE YOU LOSING \$\$\$\$\$\$\$\$\$\$\$\$\$\$

Have your next project professionally budgeted by a team of specialist hydraulic services estimators with over 20 years experience in tendering projects in the Australian market, using the latest available estimating software.

Estimates are tailored to your business needs and include:

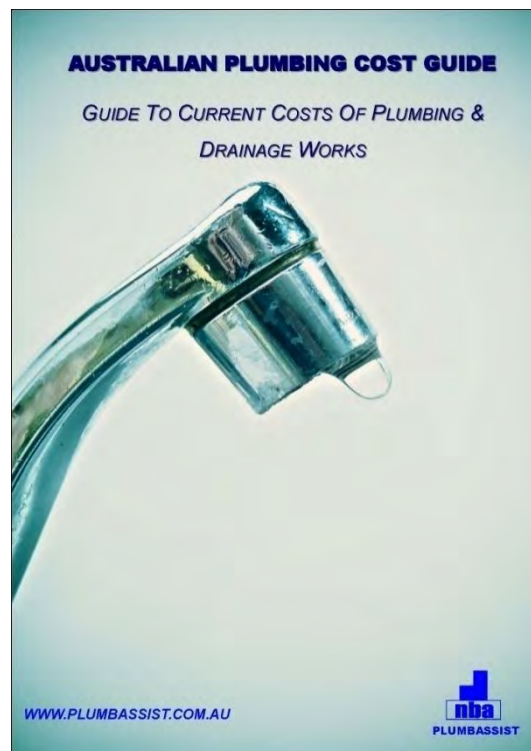
- ✓ Priced Bill of Quantities, showing labour rates used associated with each area of work.
- ✓ Breakup of Costs indicating materials and labour costs associated with each area of work
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WEBSITE www.plumbingcosts.com.au



CONNECTIONS TO EXISTING SERVICES

CONNECTIONS TO EXISTING SERVICES

This section includes for all items necessary to make connection but not for excavation, backfill or access requirements to the service itself.

Item	Unit	Material	Labour Time	Labour Rate	Labour Total	Total
Connect to Existing Sanitary Plumbing	-					
	-					
Connect to Existing 150mm Cast Iron Stack	- Ea	\$174.28	2.00	\$85.00	\$170.00	\$344.28
Connect to Existing 100mm Cast Iron Stack	- Ea	\$98.54	2.00	\$85.00	\$170.00	\$268.54
	-					
Connect to Existing 100mm Copper Stack	- Ea	\$72.25	1.50	\$85.00	\$127.50	\$199.75
Connect to Existing 50mm Copper Stack	- Ea	\$35.85	1.00	\$85.00	\$85.00	\$120.85
	-					
Connect to existing 100mm PVC Stack	- Ea	\$21.57	1.00	\$85.00	\$85.00	\$106.57
Connect to Existing 50mm PVC Stack	- Ea	\$20.45	0.65	\$85.00	\$55.25	\$75.70
	-					
Connect to Existing Copper Water / Gas Service	-					
	-					
Connect to Existing Copper Service to 50mm	- Ea	\$1.07	1.50	\$85.00	\$127.50	\$128.57
Connect to Existing Copper Service to 100mm	- Ea	\$30.94	1.50	\$85.00	\$127.50	\$158.44
	-					
Connect to Sewer / Stormwater Drainage	-					

Cap Existing Drainage 100mm	-	\$19.34	3.00	\$85.00	\$255.00	\$274.34
Cap Existing Drainage 150mm	-	\$25.58	3.00	\$85.00	\$255.00	\$280.58
Connect to Existing Drainage 100mm	-	\$36.40	3.00	\$85.00	\$255.00	\$291.40
Connect to Existing Drainage 150mm	-	\$134.12	3.00	\$85.00	\$255.00	\$389.12
Connect to Existing Stormwater Pit	-					
Connect to Existing Stormwater Drainage Pit	-	\$351.50	4.00	\$85.00	\$340.00	\$691.50

SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING



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Enware's water saving Time Flow tapware with vandal resistant qualities is suitable for a wide range of applications. The easy push-button activation delivers a hygienic wash with automatic shut-off. Your choice of 3, 7 and 15 second flow time.

Enware's comprehensive time flow tapware range is Standards licensed to AS/NZS 3718 and is now WELS star rated to maximise your water efficiency.



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Through design, Aquablend's "whole of life" cost benefits continue to set the industry standard. The extended service life, minimal component replacement, superior technical support and competitive pricing allows you to install the Australian made Aquablend range of TMV's with continued confidence.



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CORE HOLE, 300MM SLAB THICKNESS		-				
20mm Core hole, to max. 300mm	-	\$75.00	0.15	\$85.00	\$12.75	\$87.75
Deep Slab						
25mm Core hole, to max. 300mm	-	\$75.00	0.15	\$85.00	\$12.75	\$87.75
Deep Slab						
50mm Core hole, to max. 300mm	-	\$75.00	0.15	\$85.00	\$12.75	\$87.75
Deep Slab						
100mm Core hole, to max. 300mm	-	\$105.00	0.15	\$85.00	\$12.75	\$117.75
Deep Slab						
150mm Core hole, to max. 300mm	-	\$150.00	0.15	\$85.00	\$12.75	\$162.75
Deep Slab						

SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING

CONCRETE SAWING & WALL CHASING

Rates are base cost only by a cutting/coring contractor and do not include labour for setting out, supervision etc.

Item	Unit	Material	Labour Time	Labour Rate	Labour Total	Total
CONCRETE SAWING						
	-					
	-					
Concrete Cutting (Minimum Charge)	- Ea	\$140.00				\$140.00
Initial Setup						
Sawcut & Breakout to 450 Wide	- m	\$33.00				\$33.00
Sawcut to 100mm Depth	- m	\$10.25				\$10.25
Sawcut to 150mm Depth	- m	\$12.00				\$12.00
	-					
WALL CHASING						
	-					
	-					
Wall Chasing (25mm Width)	- m	\$15.50				\$15.50

SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING

SERVICE LOCATING

Rates are base cost only by a specialist locating / CCTV contractor and do not include labour for setting out, supervision etc.

Item	Unit	Material	Labour Time	Labour Rate	Labour Total	Total
SERVICE LOCATING						
	-					
	-					
SERVICE PIPE LOCATING 1HR	- Ea	\$220.00				\$220.00
SERVICE PIPE LOCATING 1.5HR	- Ea	\$289.96				\$289.96
SERVICE PIPE LOCATING 2HR	- Ea	\$359.95				\$359.95
SERVICE PIPE LOCATING 2.5HR	- Ea	\$430.01				\$430.01
	-					
CCTV CAMERA INSPECTION						
	-					
	-					
CAMERA INSP W/-RECORDING	- Ea	\$301.75				\$301.75
LCD MONITOR & 1M CABLE						
CAMERA INSPECTION DRAIN	- Ea	\$279.96				\$279.96
COLOUR 1HR						
CAMERA INSPECTION DRAIN	- Ea	\$359.96				\$359.96
COLOUR 1.5HR						
CAMERA INSPECTION DRAIN	- Ea	\$438.32				\$438.32
COLOUR 2HR						
CAMERA INSPECTION DRAIN	- Ea	\$519.95				\$519.95
COLOUR 2.5HR						
CAMERA INSPECTION DRAIN	- Ea	\$599.93				\$599.93
COLOUR 3HR						

SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING

UNDER ROAD BORING

Rates are base cost only by a specialist under road boring contractor and do not include labour for setting out, supervision etc.

Item	Unit	Material	Labour Time	Labour Rate	Labour Total	Total
Under Road Boring	-					
	-					
50mm Under Road Bore (Maximum 12m Length)	-	\$990.00	1.00	\$85.00	\$85.00	\$1,075.00
100mm Under Road Bore (Maximum 12m Length)	-	\$1,050.00	1.00	\$85.00	\$85.00	\$1,135.00
150mm Under Road Bore (Maximum 12m Length)	-	\$1,250.00	1.00	\$85.00	\$85.00	\$1,335.00

SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING

SYDNEY WATER FEES CURRENT AS AT JANUARY 2011

NOTE: These fees are current as published by Sydney Water and the plumber Supplies Co Operative as as July 2010. Users will need to confirm current pricing of fees and charges as at the time of tender with Sydney Water and other regualtory authroties.

SYDNEY WATER FEES	-			
	-			
SEWER SERVICE DIAGRAM GST	-	Ea	\$22.85	\$22.85
FREE				
SERVICE LOCATION PRINT GST	-	Ea	\$22.85	\$22.85
FREE				
BUILDING PLAN APPROVAL GST	-	Ea	\$25.95	\$25.95
FREE				
REQUEST FOR ASSET	-	Ea	\$79.45	\$79.45
CONSTRUCTION DETAILS GST				
W/MAIN CONN APPROVAL APP	-	Ea	\$39.45	\$39.45
25MM DOM/FIRE GST FREE				
W/MAIN CONN APPROVAL APP 32-	-	Ea	\$256.60	\$256.60
65MM DOM/FIRE GST				
W/MAIN CONN APPROVAL	-	Ea	\$280.50	\$280.50
APP>80MM GST FREE				
W/MAIN CONN APP 20MM GST	-	Ea	\$39.45	\$39.45
FREE				
W/MAIN CONN APP 20MM:100MM	-	Ea	\$113.00	\$113.00
MAIN ALL TYPES				
W/MAIN CONN APP 20MM:150MM	-	Ea	\$142.00	\$142.00
MAIN ALL TYPES				
W/MAIN CONN APP 20MM:200MM	-	Ea	\$222.00	\$222.00
MAIN ALL TYPES				
W/MAIN CONN APP 20MM:250MM	-	Ea	\$252.00	\$252.00
MAIN ALL TYPES				
W/MAIN CONN APP 20MM:300MM	-	Ea	\$284.00	\$284.00
MAIN ALL TYPES				
W/MAIN CONN APP 20MM:375MM	-	Ea	\$436.00	\$436.00

MAIN ALL TYPES

W/MAIN CONN APP 25- 40MM:100MM MAIN ALL	- Ea	\$163.00	\$163.00
W/MAIN CONN APP 25- 40MM:150MM MAIN ALL	- Ea	\$191.00	\$191.00
W/MAIN CONN APP 25- 40MM:200MM MAIN ALL	- Ea	\$272.00	\$272.00
W/MAIN CONN APP 25- 40MM:250MM MAIN ALL	- Ea	\$301.00	\$301.00
W/MAIN CONN APP 25- 40MM:300MM MAIN ALL	- Ea	\$334.00	\$334.00
W/MAIN CONN APP 25- 40MM:375MM MAIN ALL	- Ea	\$485.00	\$485.00
W/MAIN CONN APP 50- 65MM:100MM MAIN ALL	- Ea	\$408.00	\$408.00
W/MAIN CONN APP 50- 65MM:150MM MAIN ALL	- Ea	\$463.00	\$463.00
W/MAIN CONN APP 50- 65MM:200MM MAIN ALL	- Ea	\$626.00	\$626.00
W/MAIN CONN APP 50- 65MM:250MM MAIN ALL	- Ea	\$683.00	\$683.00
W/MAIN CONN APP 50- 65MM:300MM MAIN ALL	- Ea	\$749.00	\$749.00
W/MAIN CONN APP 50- 65MM:375MM MAIN ALL	- Ea	\$1,052.00	\$1,052.00
W/MAIN FITTING ADJUST APP GST FREE	- Ea	\$115.80	\$115.80
SEWER JUNCTION CONN APP GST FREE	- Ea	\$137.10	\$137.10
SEWER JUNCT CONN APP - AC SUPPLIER GST FREE	- Ea	\$137.10	\$137.10
SEWER S/LINE CONN APP - SWC INSTALL GST FREE	- Ea	\$137.10	\$137.10
SEWER S/LINE CONN APP - AC	- Ea	\$137.10	\$137.10

SAMPLE RATES ONLY - DO NOT USE FOR ESTIMATING

SUPPLIER GST FREE

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GST FREE

SERVICE PROTECTION APP - Ea \$664.70 **\$664.70**

SUPERVISING SEWER ENCASING - Ea \$83.10 **\$83.10**

APP

PLUMBING AND DRAINAGE - Ea \$170.35 **\$170.35**

QUALITY ASSURANCE APP

PLUMBING & DRAINAGE INSP APP - Ea \$82.05 **\$82.05**

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PLUMBING & DRAINAGE INSP APP - Ea \$82.05 **\$82.05**

RE-INSPECTION

DISUSE SEWER APP GST FREE - Ea \$151.65 **\$151.65**

VENTSHAFT ADJUST APP GST - Ea \$242.05 **\$242.05**

FREE

EXTENDED PRIVATE SERVICE APP - Ea \$114.25 **\$114.25**

GST FREE

MANHOLE ADJUST ALL SIZES FOR - Ea \$137.10 **\$137.10**

DEVELOPMENT SITES-

STATEMENT OF AVAILABLE - Ea \$181.80 **\$181.80**

PRESSURE & FLOW

SUPERVISING SEWER PIERING - Ea \$83.10 **\$83.10**

APP

SUPERVISING SEWER PIERING - Ea \$234.10 **\$234.10**

ON SITE LABOUR

SEWER JUNCT CONN ALL TYPES - Ea \$896.65 **\$896.65**

LABOUR ONLY

SEWER S/LINE CONN ALL TYPES - Ea \$1,856.75 **\$1,856.75**

LABOUR ONLY

SUPERVISING SEWER ENCASING - Ea \$234.10 **\$234.10**

ON SITE LABOUR

W/MAIN CONN APP 20MM ALL - Ea \$207.80 **\$207.80**

CONNECTIONS LABOUR

W/MAIN CONN APP 25-40MM ALL	-	Ea	\$207.80	\$207.80
CONNECTIONS LABOUR				
W/MAIN CONN APP 50-65MM ALL	-	Ea	\$207.80	\$207.80
CONNECTIONS LABOUR				
SEWER JUNCT CONN 150X150MM	-	Ea	\$155.00	\$155.00
ALL PIPE TYPES				
SEWER JUNCT CONN 225X150MM	-	Ea	\$245.00	\$245.00
ALL PIPE TYPES				
SEWER JUNCT CONN 225X225MM	-	Ea	\$250.00	\$250.00
ALL PIPE TYPES				
SEWER JUNCT CONN 300X150MM	-	Ea	\$485.00	\$485.00
ALL PIPE TYPES				
SEWER JUNCT CONN 300X225MM	-	Ea	\$550.00	\$550.00
ALL PIPE TYPES				
SEWER S/LINE CONN 150MMX1M	-	Ea	\$500.00	\$500.00
ALL PIPE TYPES				
SEWER S/LINE CONN 150MMX2M	-	Ea	\$500.00	\$500.00
ALL PIPE TYPES				
SEWER S/LINE CONN 150MMX3M	-	Ea	\$530.00	\$530.00
ALL PIPE TYPES				
SEWER S/LINE CONN 225MMX1M	-	Ea	\$585.00	\$585.00
ALL PIPE TYPES				
SEWER S/LINE CONN 225MMX2M	-	Ea	\$585.00	\$585.00
ALL PIPE TYPES				
SEWER S/LINE CONN 225MMX3M	-	Ea	\$615.00	\$615.00
ALL PIPE TYPES				
SPECIAL DATE OF CONNECTION	-	Ea	\$64.85	\$64.85
GST FREE				
CANCELLATION OF PLUMBERS	-	Ea	\$59.20	\$59.20
PERMIT - 1 SIGN GST FREE				
BILLING RECORD SEARCH	-	Ea	\$37.40	\$37.40
SUPPLY SYSTEM DIAGRAM GST	-	Ea	\$34.25	\$34.25
FREE				
WATER INSPECTION FEE -	-	Ea	\$238.95	\$238.95

ALTERNATE

CONVERSION TABLES AND PLUMBING DATA

GAS SERVICE CONVERSION CHART

To convert:		Multiply by:		
BTU	to	Mj		0.001055
Mj	to	BTU		948
BTU	to	kW		0.000294
kW	to	hp		1.341
k/Cal	to	Mj		0.004187
Mj	to	k/Cal		239
Bar	to	kPa		100
kPa	to	Bar		0.01
Bar	to	Metres head		10.2
Metres head	to	Bar		0.098
PSI	to	kPa		6.895
kPa	to	PSI		0.145
Inches WG	to	Pa		250
Pa	to	Inches WG		0.004
mm WG	to	Pa		9.789
Gallon (Imp)	to	litre		4.546
Gallon (US)	to	litre		3.785
Gallon (Imp)/min	to	litres/second		0.76

PROPERTIES OF GAS

	Heating Value(Mj/m3)	Relative Density
Natural Gas	38	0.6
Lpg (Propane)	96	1.55
Physical Properties Of LPG (Propane)		
Mj/Litre Of Liquid	=	25.5 Mj/litre of vapour
Mj/Kg Of Liquid	=	50.4 Mj/kg of vapour
Mj/M Of Vapour	=	96 Mj
Litres/Tonne	=	1975 litres of liquid

RAINWATER TANK CAPACITY CONVERSION CHART

Gallons	Litres
44	200
100	455
110	500
220	1,000
330	1,500
440	2,000
550	2,500
660	3,000
770	3,500
880	4,000
990	4,500
1,000	4,550
1,100	5,000
1,210	5,500
1,320	6,000
1,430	6,500
1,540	7,000
1,650	7,500
1,760	8,000
1,870	8,500
1,980	9,000
2,000	9,100
5,000	22,750
10,000	45,500
20,000	91,000

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ADVERTISING IN THE AUSTRALIAN PLUMBING COST GUIDE

Advertising in the Australian Plumbing Cost guide is the most effective and targeted type of advertising your company can achieve, as it is directly targeted to those whom make the purchasing decisions for plumbing industry products & services - plumbing contractors, plumbing consultants, developers, architects, and builders. It is retained by such people for future reference, thus providing ongoing exposure for your product or service.

Can you afford not to promote your products in Australian Plumbing Cost Guide?

For advertising enquiries, or to enquire about our competitive current rates, please contact us.

Advertising Contacts

Ross Brown

MOBILE – 0403-390-810

TELEPHONE – 02 4648-1010

Email – ross@plumbingcosts.com.au

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SCHEDULE OF MATERIAL PRICES USED IN CALCULATING THE RATES

Price Code	Item	Price
1.00	FEE FOR MAIN TAPPING	\$390.00
2.00	UNDER ROAD BORE (12M X 50MM)	\$890.00
3.00	UNDER ROAD BORE (12M X 75MM)	\$990.00
4.00	UNDER ROAD BORE (12M X 150MM)	\$1,190.00
5.00	EXCAVATION RATE NO.1 (UNIT OF EXCAVATION, MACHINE)	\$22.50
6.00	CRANE HIRE PER HOUR (TO 5 TONNE)	\$200.00
7.00	BACKFILL NUMBER 1 (EXCV MATERIAL)	\$11.00
8.00	BACKFILL NUMBER 2 (IMPORTED MATERIAL)	\$17.50
9.00	PIPE BEDDING CRUSHED CONCRETE (TONNE)	\$25.00
10.00	10MM BLUE METAL (TONNE)	\$45.00
11.00	SAND (TONNE)	\$40.00
12.00	SHORING HIRE - PER SQM	\$17.50
13.00	READYMIX CONCRETE	\$330.00
14.00	SAWCUTTING MIN CHARGE (ESTABLISHMENT)	\$140.00
15.00	SAWCUT 150MM CONCRETE	\$12.00
16.00	COLDMIX RESTORATION	\$30.00
17.00	WALL CHASING (20--25MM)	\$15.50
18.00	CONCRETE CORING - TO 50MM PER 10MM DEPTH	\$2.50
19.00	CONCRETE CORING - TO 100MM PER 10MM DEPTH	\$3.50
20.00	CONCRETE CORING - TO 200MM PER 10MM DEPTH	\$5.00
21.00	BUSH HEX BRS 20X15MM	\$1.11
22.00	ELBOW F&F BRS 20MM	\$5.32
23.00	NIPPLE HEX BRS 20MM	\$1.26
24.00	NIPPLE HEX BRS 25MM	\$2.49
25.00	NIPPLE HEX BRS 32MM	\$3.78
26.00	NIPPLE HEX BRS 40MM	\$6.22
27.00	NIPPLE HEX BRS 50MM	\$10.38
28.00	TEE BRS 15MM	\$2.92
29.00	TEE BRS 20MM	\$5.23
30.00	UNION F&F BRS 20MM	\$8.17
31.00	UNION F&F BRS 25MM	\$13.83
32.00	UNION F&F BRS 32MM	\$20.93

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33.00	UNION F&F BRS 40MM	\$27.81
34.00	UNION F&F BRS 50MM	\$49.25
35.00	CONNECTOR STR NO2 DR 15X15FI	\$1.31
36.00	CONNECTOR STR NO3 DR 15X15MI	\$0.91
37.00	CONNECTOR STR NO3 DR 20X20MI	\$1.21
38.00	CONNECTOR STR NO3 DR 25X25MI	\$3.38
39.00	ELBOW NO12 CU 15X15MM	\$0.63
40.00	ELBOW NO12 DR 20X20MM	\$5.23
41.00	ELBOW NO12 CU 25X25MM	\$2.64
42.00	ELBOW NO15BP DR 20X20FI	\$3.29
43.00	ELBOW NO19BP DR 15X15MI	\$2.09
44.00	ELBOW NO19BP DR 20X15MI	\$5.21
45.00	TEE NO24 CU 15X15MM	\$1.01
46.00	TEE NO24 CU 20X20MM	\$2.33
47.00	TEE NO24 CU 25X25MM	\$5.34
48.00	VALVE BALL GAS F&F SCR LEVER HDL BRS 15MM	\$6.54
49.00	VALVE BALL GAS F&F SCR LEVER HDL BRS 20MM	\$10.65
50.00	VALVE BALL GAS F&F SCR LEVER HDL BRS 25MM	\$16.29
51.00	VALVE BALL GAS F&F SCR LEVER HDL BRS 32MM	\$27.61
52.00	VALVE BALL GAS F&F SCR LEVER HDL BRS 40MM	\$49.93
53.00	VALVE BALL GAS F&F SCR LEVER HDL BRS 50MM	\$65.69
54.00	VALVE BALL GAS F&F SCR LEVER HDL BRS 65MM	\$129.69
55.00	VALVE BALL GAS F&F SCR LEVER HDL BRS 80MM	\$215.17
56.00	VALVE BALL GAS F&F SCR LEVER HDL BRS 100MM	\$340.94
57.00	BAYONET GAS SOCKET FLOOR MTD CP 15MM	\$7.40
58.00	BAYONET GAS SOCKET FLOOR MTD P/B 15MM	\$21.33
59.00	BAYONET GAS SOCKET WALL BRICK MI 15MM	\$40.74
60.00	BAYONET GAS SOCKET WALL TIMBER MI 15MM	\$33.43
61.00	BAYONET GAS SOCKET ANGLE (COOKER) 15MM	\$17.03
62.00	PLUG & WASTE UNI BREWERS CP 40MM	\$17.34
63.00	TRAP S STD CP 40MM	\$61.49
64.00	TRAP S EXT CP 40X900MM	\$93.69
65.00	TRAP S STD PLN CU 50MM	\$59.01
66.00	TRAP S EXT CP 50X900MM	\$151.77

781.00	JUNCTION FEE	\$450.00
782.00	NORTHGUARD LIVE TEE & VALVE 150MM	\$1,800.00
783.00	ROAD OPENING FEE	\$600.00
784.00	SAFE TRAY GAL 900 X 900	\$75.00
785.00	TIMBER STAND	\$5.50

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ESTIMATING CONTACT DETAILS

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