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STATE RIVERS AND WATER SUPPLY COMMISSION

WATER SUPPLY SERVICES BY-LAW No. 5850

Waterworks Districts, Rural Districts and Urban Districts

The State Rivers and Water Supply Commission, in pursuance and exercise of the power conferred by the Water Act, doth hereby make the By-law following:

1. This By-law shall apply to and have force in the Bellarine Peninsula, Mornington Peninsula, Wonthaggi and Otway Waterworks Districts, the Mount Duneed and Otway Rural Districts, the Antwerp, Berriwillock, Beulah, Birchip, Brim, Carwarp, Chillingollah, Chinkapook, Corop, Culgoa, Dimboola, Dingee, Dooen, Eildon, Gunbower, Hopetoun, Jeparit, Jung Jung, Koondrook, Lalbert, Lascelles, Leitchville, Lockington, Macorna, Manangatang, Marnoo, Meringur, Minyip, Mitiamo, Murrabit, Nandaly, Natimuk, Newstead, Nullawil, Nyah, Nyah West, Ouyen, Patchewollock, Piangil, Pimpinio, Pyramid Hill, Quambatook, Rainbow, Red Cliffs, Robinvale, Rupanyup, Sea Lake, Speed, Stanhope, Tallygaroopna, Tempy, Ultima, Upper Beaconsfield, Waitchie, Walpeup, Watchem, Werrimull, Woomelang, Woorinen, Wycheproof and Yaapeet Urban Districts and the district supplied with water from the Coliban System of Waterworks.

2. All previous By-laws and Regulations relating to the subject matter herein shall be, and the same are hereby revoked, but not so as to relieve, discharge or absolve any person from liability to pay any rate or charge made in accordance with the provisions of the revoked By-laws or Regulations, for payment of which rate or charge, such person may have become liable prior to or at the date of this By-law coming into operation; nor to abrogate or diminish the power of the said Commission to recover and enforce payment of any such rate or charge; nor to annul or stay any proceedings taken or business initiated as in conformity with the provisions of the By-laws or Regulations hereby revoked prior to the date of this By-law coming into operation, but the same respectively may be continued and carried to completion.

PART I.—INTERPRETATION

Definitions.

3. (1) In this By-law, unless inconsistent with the context or subject matter—

'Approved' means approved by the Commission or the Proper Officer unless specifically stated otherwise.

'Aqueduct' means any water supply channel vested in, belonging to, or under the control of, the Commission.

'Building Line' means a boundary between a thoroughfare and a tenement or, in the case of a subdivision registered under the *Cluster Titles Act* 1974, and for the purposes of this By-law, a boundary between an allotment and the common property.

'Commission' means the State Rivers and Water Supply Commission.

'District' means any area included within the boundaries of the districts referred to in Clause 1 hereof.

'Fittings' includes all fittings and assemblies used in connection with conveying, measuring, supplying, storing or regulating the flow of water derived from a water main or aqueduct, and includes appliances.

'Licensed Plumber' means a plumber who holds a current licence issued by the Commission to carry out works of water supply approved by the Commission. Such licensed plumber is not authorised by this licence to do any kind of work connected with the sanitary fittings of houses or the sewerage systems of the Commission or of any other Authority.

'Meter', unless specifically stated otherwise, means any water meter which is required to be fixed pursuant to this By-law.

'Nominal Size' of service pipes means the approximate internal diameter expressed in millimetres.

'Private Extension' means a private pipe to enable a water supply to be provided from a water main or aqueduct to one, or more than one, tenement not fronted by a water main or aqueduct.

'Proper Officer' means any employee of the Commission authorised by the Commission in respect of, or whose duty it is to deal with, or act in regard to, any act, matter or thing, in connection with which the expression is used.

'Service Pipe' includes a private extension and all pipe (not being a water main) and fittings used in connection with the supply of water from a water main, aqueduct, or private extension, to a tenement, or in connection with the use or consumption of such water in, or on such tenement, whether directly subject to water pressure from a water main or aqueduct or supplied indirectly through the intervening medium of a storage tank.

'Storage Tank' means any vessel used, or intended to be used, for the storage of water, whether under pressure or not, and includes a cistern.

'Tenement' includes land whether built upon or not.

'The Act' means the *Water Act* 1958, as amended.

'Thoroughfare' includes a street or road being a public highway, or a private street or road having a carriageway, either accessible to the public from a public street or forming a common access to lands and premises separately occupied.

'Water Main' means any pipe vested in, belonging to, or under the control of the Commission, and used for conveying water.

'Works of Water Supply' includes the construction, alteration, extension, disconnection, removal, maintenance, repair, renewal, or clearing of any service pipes or fittings (including meters), connected, or intended to connect, directly or indirectly with any water main or aqueduct.

(2) All words used in this By-law, and which are defined in the Act, shall have the meanings defined by the Act.

(3) The *Acts Interpretation Act* 1958, shall apply to this By-law in like manner as it applies to an Act of Parliament.

(4) (*a*) If any provision of this By-law is inconsistent with the provisions of the *Water Act* 1958, or any Regulations made under such Act, such provisions of this By-law shall, to the extent only of such inconsistency, be deemed to be invalid and inoperative; and

(b) This By-law shall be read and construed so as not to exceed the By-law-making power of the Commission, to the extent that where any provision of this By-law would, but for this clause, have been construed as being in excess of that power, it shall nevertheless be a valid By-law to the extent to which it is not in excess of that power.

(5) The supply of water by the Commission to any lands, tenements or premises, or for any purposes, shall be upon the terms and conditions prescribed by this By-law.

PART II.—LICENSED PLUMBERS

Unlicensed persons not to interfere with aqueducts, pipes, or services.

4. No person shall interfere with any aqueduct, water main, or service pipe, nor shall execute any works of water supply, other than the re-washering of taps, except that—

(a) a licensed plumber may execute such works subject to the provisions of the Act and this By-law; and

(b) a plumber's apprentice or a person registered by the Plumbers' and Gasfitters' Board, Victoria, as a Plumber General may work in the actual performance of any such works if in the employ of, or in common employment with, a licensed plumber and under the direct control and supervision of such licensed plumber.

Application forms and plans.

5. (1) No licensed plumber shall execute any works of water supply—

(a) Unless he has made application on the appropriate form contained in the First Schedule and unless such application has been approved; provided however that nothing herein shall prevent a licensed plumber carrying out works of water supply under the direction of another licensed plumber who has signed the appropriate application.

In the case of a service pipe with a nominal size greater than 20 mm, the application form shall be accompanied by two copies of a properly prepared plan drawn to a scale specified thereon of the tenement, in or on which it is proposed to carry out the said works, showing all buildings and structures and the arrangement of all pipes and fittings and other works which it is proposed to construct therein or thereon.

(b) Contrary to or not in conformity with—

(i) the approved application referred to in paragraph (a) hereof or of this By-law; and

(ii) any modifications or additional requirements specified by the Commission or Proper Officer in writing when granting approval.

Urgent repairs.

(2) Should urgent repairs be required to prevent the waste or escape of water, a licensed plumber may, notwithstanding the provisions of sub-clause (1) hereof, carry out such repairs without the approved application prescribed therein, provided that such application is lodged within 24 hours of such commencement.

(3) Every application form referred to in this clause shall be signed by the owner of the tenement or his agent and by the licensed plumber actually engaged to carry out the works of water supply referred to therein.

Notices to be given by licensed plumbers.

6. A licensed plumber shall give not less than two days' notice to the Proper Officer:—

(a) of the date and hour of commencement of any approved works of water supply;

(b) of the day (except a public holiday, Saturday or Sunday) during the progress of the approved works of water supply when such works will be accessible for inspection;

(c) of the day (except a public holiday, Saturday or Sunday) when the approved works of water supply will be completed and be accessible for final inspection.

PART III.—EXECUTION OF WORKS OF WATER SUPPLY

7. The execution of all works of water supply must be in strict accordance with the provisions of this By-law.

8. No licensed plumber shall execute any works of water supply unless he—

(a) complies with any special directions or orders given or issued by the Commission or the Proper Officer;

(b) executes the work in a tradesmanlike, expeditious manner, to the satisfaction of the Proper Officer;

(c) uses materials of the description, quality, kind, and standard as prescribed in this By-law;

(d) obtains permission, where necessary, for the execution of the work on, over or through any private property, or any public park or reserve;

(e) employs only competent operatives and assistants;

(f) conforms to the provisions of any regulations and By-laws made under any Act and pays all fees and charges specified therein;

(g) pays all fees payable to the Council of a municipality for the opening of any public road or street or otherwise in connection with the works;

(h) restores, upon completion of the work, any part of any public road or street, to the satisfaction of the municipal Council or other authority having control thereof;

(i) except where authorised in writing by the owner or his agent to omit restoration, restores any other property interfered with by the work, to the satisfaction of the said owner or agent;

(j) takes all proper and necessary precautions so that no accident, damage, or unnecessary inconvenience, may be directly, or indirectly, occasioned to any person or property by the execution of the work; and

(k) exercises at all times, immediate supervision over the work.

Service pipes.

9. No person shall install any service pipe unless the nominal size of the service pipe—

(a) between a water main and the meter position is not less than 20 mm;

(b) within a tenement does not exceed the nominal size of the service pipe approved by the Commission for the supply of water to the tenement, unless the prior written consent of the Proper Officer has been obtained;

(c) between the meter and all riser pipes in or on a building, is not less than the nominal size of the service pipe approved for the supply of water to the tenement.

Depth of service pipes.

10. No person shall install a service pipe within a thoroughfare unless it is at least 450 mm below ground-level, or at such greater depth as the Municipal Council or other authority having control of the thoroughfare, may require.

11. No person shall install a service pipe in or on land which is not a thoroughfare unless it is at least 300 mm below ground-level, or is firmly secured to a building or structure, except that in or on such land, it shall be at least 450 mm below ground-level—

(*a*) where subject to vehicular traffic; and

(*b*) where the service pipe is laid within an easement for water supply purposes established in accordance with the provisions of the *Cluster Titles Act* 1974.

Access to service pipes.

12. No person shall install a service pipe not readily accessible for the purpose of inspection, repair and renewal, and no person shall erect or construct any building or structure in such manner that any part of a service pipe is made inaccessible for the purposes of inspection, repair and renewal, unless such part of the service pipe is comprised of—

(*a*) copper or brass pipe, with copper or brass fittings; or

(*b*) cast-iron pipe and fittings concrete lined; or

(*c*) mild-steel pipe and fittings, concrete lined internally and protected externally with an approved type of coating.

Cross-connections.

13. No person shall permit or allow any solid, liquid or gas, or substance or material of any kind, to have access, or means of access, to water supplied by the Commission prior to the delivery thereof. For the purposes hereof, water so supplied shall be deemed to be delivered when it has emerged free from any pipe, fitting, or appliance connected directly or indirectly with any water main or aqueduct of the Commission.

14. No person shall attach or fix or permit or allow to remain attached or fixed to any service pipe, any appliance containing, or having provision for the containing of, any solid, liquid or gas, or any substance other than water supplied by the Commission, unless the Commission shall either generally or specifically have first consented to the attachment or fixing of such appliance.

15. No person shall connect the outlet piping from any storage tank (including a cistern) to a service pipe directly connected with a water main or aqueduct.

Connections to steam boilers.

16. (1) No person shall make a direct connection between a service pipe and a steam boiler unless—

(*a*) a screw-down, high-pressure, stop-tap with its spindle vertically upwards, is installed on the service pipe supplying water to the boiler;

(*b*) a vertically acting non-return valve is installed between the stop-tap and the boiler; and

(*c*) a 15mm ferrule-cock or bib-tap for testing purposes is installed between the non-return valve and the stop-tap.

(2) No person shall make a direct connection between a service pipe and a steam boiler where a supply is to be provided from the service pipe together with an injected supply from a storage tank or condensate sump unless—

(*a*) such connection is made in accordance with the provisions of sub-clause (1); and

(*b*) the injected water to the boiler is taken through a separate opening in the wall of the boiler.

17. No person shall make a connection between a service pipe directly connected to a water main and the piping from a boiler storage tank or condensate sump or pump.

Connections to hot-water radiation systems.

18. No person shall connect a service pipe to a hot-water radiation system or similar equipment, other than indirectly through a storage tank fitted with a float-valve and overflow, fixed in accordance with the Commission's requirements for storage tanks prescribed by Clause 21 of this By-law.

Connections to water-operated appliances.

19. A water-operated appliance, whether hand-operated or automatic, shall only be connected directly or indirectly with a service pipe if the consent in writing of the Commission or the Proper Officer shall have first been obtained, and then in strict conformity with any conditions so specified.

Connections to an apparatus in which water is used for cooling purposes.

20. (1) No person shall connect to a service pipe an apparatus in which water is used for cooling purposes unless the Commission shall have first consented thereto in writing.

(2) Applications for consent to install or use such apparatus shall state the make and type, the minimum and maximum water requirements, and any other information the Commission may require.

(3) If the total quantity of water used for or in the operation of the said apparatus or apparatuses (if there be more than one on any land, property or tenement) under full output exceeds five (5) litres per minute, it shall not be run to waste unless consent in writing shall have first been obtained from the Commission.

(4) The quantity of water run to waste shall be limited to the quantity specified in the Commission's consent.

(5) If water in excess of the quantity so specified in the Commission's consent be run to waste, the owner or occupier of the property, land or tenement, or other persons supplied with or using the water so supplied by the Commission, who shall permit or allow such excess water to be run to waste, shall be guilty of an offence against this By-law.

Storage Tanks.

21. No person shall fix a storage tank, other than a pressure storage tank, to a service pipe unless—

(*a*) the storage tank is provided with a float-valve, overflow pipe and cover;

(*b*) the supply of water to the storage tank is controlled by a stop-tap connected to the float-valve by a flexible copper pipe;

(*c*) the bottom of the cold-water feed from a service pipe into a storage tank is at least 15 mm above the top of the overflow from the tank;

(*d*) the overflow pipe is of galvanised sheet steel, or copper, with soldered joints and shall be at least 40 mm in diameter; all other parts of such tank are to be made of approved materials;

(*e*) the storage tank and connections thereto are situated in an accessible location;

(*f*) where a storage tank is installed between the roof and the ceiling of any building, or in any other position not readily accessible, there is fixed beneath such tank a tray constructed of an approved galvanised iron or copper sheet, or other approved material, with an overflow pipe of the same material of at least 50 mm in diameter, and conforming to the requirements of Clause 3.2 of Australian Standard 1529, 1974. Where the tray is of a metal dissimilar to that of the tank, it shall be separated from the tank by a layer of suitable insulating material;

(*g*) where a storage tank is installed between the roof and the ceiling of any building, or in other position not readily accessible, an additional controlling valve is fixed in an easily accessible position in the

rising pipe supplying the storage tank, at or near ground-level in an external rising pipe, and at or near floor-level in an internal rising pipe;

(*h*) an overflow pipe, whether from a storage tank or from a tray, or from a storage tank and a tray, is so constructed as to discharge in a conspicuous position clear of the building and within the boundary of the premises; and

(i) such additional requirements as the Proper Officer or the Commission may direct are complied with.

Baths.

22. (1) No person shall install a bath which has a holding capacity of more than 500 litres, except with the permission of the Commission.

Swimming pools.

(2) No person shall connect a service pipe to a swimming pool except in accordance with any conditions specified by the Commission or the Proper Officer.

Troughs.

(3) No person shall connect a service pipe to, or supply water to, a trough unless—

(*a*) the trough is provided with a float-valve and an approved float-valve cover which will prevent interference with the operation of the valve by stock;

(*b*) the supply of water to the float-valve is controlled by a separate stop-tap fixed in an accessible position adjacent to the float-valve;

(*c*) the bottom of the water feed into the trough is at least 15 mm above the top of the overflow, or the top of the trough if an overflow is not provided.

Urinals, water closets and automatic flushing cisterns.

23. No person shall connect a service pipe, directly or indirectly, to, or supply water to, a urinal or water closet except through a storage tank, cistern or other approved flushing device which shall be so constructed that the water cannot flow continuously.

24. Water may be supplied by the Commission for use in automatic flushing cisterns subject to the due observance of the following conditions—

(*a*) a meter shall be fixed solely to record the water used by the cistern;

(*b*) the automatic cistern shall be inspected frequently and maintained in proper working order at all times;

(*c*) the supply to the automatic cistern shall be shut off at all times when the urinals or other fittings supplied are not made available for use;

(*d*) in the event of the Commission or the Proper Officer at any time ordering the removal of the automatic cistern and its replacement by a hand-operated appliance, such order shall be carried out forthwith;

(*e*) an agreement in writing containing the said conditions (*a*), (*b*), (*c*) and (*d*) and such other conditions as may be deemed necessary in the circumstances by the Commission shall first be executed by the owner of the premises.

Extensions subject to consent of the Proper Officer.

25. No service pipe, through which water is supplied to a tenement, shall be extended to any other land or tenement without the prior written consent of the Proper Officer.

PART IV.—PRIVATE EXTENSIONS

26. No person shall lay a private extension in a thoroughfare unless—

(*a*) it is parallel with, or at right angles to, the building line. When laid parallel to the building line it shall be located at a distance from the building line as

determined by the Proper Officer and the Municipal Council or other authority having control of the said thoroughfare;

(*b*) a ferrule-cock is fixed to the water main so that the piping from it is at right angles to such water main and a stop-tap is fixed on the private extension in the thoroughfare at each change of direction;

(*c*) a separate service pipe in compliance with this By-law is laid from a private extension to each tenement served.

27. (1) Any permission granted by the Commission to supply a tenement with water by agreement (including by means of a private extension) shall be deemed to be temporary and may be revoked by the Commission at any time.

(2) Where such permission is revoked, the owner or occupier of a tenement shall arrange for a licensed plumber to disconnect the service pipe within a period specified by the Commission or the Proper Officer in writing.

(3) If the owner or occupier of a tenement fails to arrange for the said disconnection within the period prescribed, the Commission may disconnect such service pipe and the owner or occupier of a tenement shall be liable to the Commission for all costs and expenses incurred therein and all such costs and expenses may be recoverable by the Commission as a debt in any court of competent jurisdiction.

PART V.—CONNECTION OF SERVICES TO WATER MAINS AND AQUEDUCTS

Tappings and connections.

28. No person other than an authorised Commission employee acting in the course of his duty shall tap or plug a water main or alter a ferrule-cock in a water main. Excavations required for such works shall be provided by the licensed plumber requiring the tappings, plugging or alteration, and shall be of sufficient size as indicated by the Commission (or the Proper Officer) to enable the work on the water main to be carried out conveniently.

Connection Fees.

29. No person shall affix or connect any service pipe to any water main or aqueduct without having first paid to the Commission the approved connection fee.

Position of stop-taps.

30. No person shall install a service pipe unless a properly secured screw-down stop-tap is fixed on such service pipe and positioned in compliance with the following requirements—

(*a*) (i) in the case where a meter has been or is to be installed, between the top inlet-bend and the meter, or as a right-angle stop-tap on the inlet to the meter; or

(ii) in the case where a meter is not to be installed, not more than two metres inside the boundary of the tenement to be supplied, such boundary being that nearest the water main, aqueduct or private extension from which supply is to be taken; or

(iii) in the case where a stop-tap positioned in accordance with (i) or (ii) is not or would not be accessible at all times, a stop-tap is to be placed on the service pipe between the water main, aqueduct or private extension and the said boundary of the allotment, and within 300 mm of that boundary, and covered by an iron box complying, where the stop-tap is within a thoroughfare, with the requirements of the municipal Council or other authority having control of the thoroughfare;

(b) where a meter has been installed inside a building in a position approved by the Proper Officer, on the outlet side of the meter in addition to that required under paragraph (a) hereof;

(c) on a service pipe connected to a private extension, at its offtake from the private extension, in addition to the stop-taps required under the previous paragraphs of this clause.

Non-return valves.

31. No person shall install a stop-tap or valve without an approved non-return action unless he fits a non-return valve (to prevent the return of water to a water main or aqueduct) on the service pipe above ground in an accessible position approved by the Proper Officer, or in a properly constructed and drained pit provided with a cover approved by the Proper Officer and capable of being opened by one man, and with an approved locking device on the cover, when so directed by the Proper Officer.

32. (1) No person shall connect two or more service pipes supplying a tenement together unless a non-return valve is fixed on each service pipe in a position approved by the Proper Officer and provision is made for testing the working of each non-return valve in position by affixing a ferrule-cock or a bib-tap on the connected service pipe adjacent to the inlet side of each non-return valve.

(2) No person shall install a ferrule-cock for testing, referred to in sub-clause (1) hereof, in a thoroughfare unless it is covered by an iron box which complies with the requirements of the Municipal Council in which the service pipe is laid.

33. No person shall lay a service pipe between a ferrule-cock which has been or is to be installed on a water main at a point opposite to the point where the service pipe is to enter the tenement to be supplied and the tenement, unless the service pipe and the vertical riser pipe between the inlet bends to the meter are installed from the ferrule-cock in a straight line—

(a) at right angles to the boundary of the tenement to be supplied, or, where this alignment is not practicable;

(b) in line with the meter bracket, which is to be on an alignment approved by the Proper Officer.

34. No person shall lay a service pipe between a ferrule-cock which has been or is to be installed on a water main at a point not opposite to the point where the service pipe is to enter the tenement to be supplied and the tenement unless an iron box and riser of approved pattern are fixed over the ferrule-cock in the water main and high-pressure screw-down stop-taps, each with an approved cover, are fixed on the service pipe at each subsequent change of direction of such pipe and an additional stop-tap is fixed in accordance with Clause 30 of this By-law.

35. No person shall connect a service pipe to a ferrule-cock which has been installed on a water main beneath a concrete pavement or other similar type of pavement unless an iron box and riser of approved pattern are fixed over the ferrule-cock.

36. No person shall construct a concrete pavement or other similar type of pavement over a ferrule-cock which connects a service pipe to a water main unless an iron box and riser of approved pattern are fixed over the ferrule-cock.

PART VI.—REPAIRS

Repairs to service pipes.

37. The owner or occupier of a tenement supplied with water through a service pipe shall ensure that the service pipe and any apparatus connected therewith, is kept in good and substantial repair.

38. The owner or occupier of a tenement supplied with water through a service pipe shall, upon receiving notice that the service pipe or any other fitting or apparatus connected therewith requires repairing, immediately proceed to have such service pipe, fitting and/or apparatus repaired, and the owner or occupier shall be responsible for any loss of water or damage which is caused by reason of such service pipe, fitting or apparatus being leaky or otherwise out of repair or broken, and in default of complying with such notice the owner or occupier shall be guilty of an offence and the Commission by its Proper Officers, or authorised employees, may enter into, or upon, any tenement supplied by such service pipe and may discontinue, or restrict, the supply of water to such tenement so as to prevent or reduce damage or waste of water, until the necessary repairs have been effected.

PART VII.—MATERIALS

Specification for piping and materials.

39. No person shall install or replace any service pipe unless—

(*a*) that part of any service pipe (excepting private extensions) which extends in a thoroughfare or property (and in the case of a subdivision registered under the *Cluster Titles Act* 1974, in an easement for water supply purposes outside the boundaries of the tenement to be supplied) from an aqueduct, water main or private extension up to and including the bottom outlet bend of the meter assembly and all meter connections shall, except where the Commission or Proper Officer, in writing, may otherwise permit, be of the following materials—

(i) where the nominal size of the service pipe is 50 mm or less, copper or brass, to be jointed in an approved manner and to be used with approved fittings;

(ii) where the nominal size of the service pipe is greater than 50 mm, copper, brass, galvanised iron, concrete-lined cast iron or concrete-lined and externally-protected mild steel, each type of piping to be jointed in an approved manner and to be used with approved fittings;

(*b*) that part of any service pipe not referred to in paragraph (*a*) hereof and all private extensions (whether in a thoroughfare or not,) are of copper, galvanised iron, concrete-lined cast-iron, concrete-lined and externally-protected mild-steel, asbestos-cement, polyethylene, polyvinyl chloride, or other approved plastic, each type of piping to be jointed in an approved manner and to be used with approved fittings; in certain cases, approval may be given to the use of black mild-steel in service pipes for hot-water heating systems, fire services and some industrial applications;

(*c*) all materials, pipes, bends, junctions, fittings and apparatus are of the best quality of their respective kinds, sound, new and free from defects, of the kinds and standards approved by the Commission or the Melbourne and Metropolitan Board of Works, or the Geelong Waterworks and Sewerage Trust, or the Ballarat Water Commissioners, or other approved authorities, and shall, if thereby required, be tested and stamped in accordance with the testing Authority's By-law prescribing the testing and stamping of articles and materials, or, if such standards are not applicable, to the requirements of the appropriate standard or specification of the Standards Association of Australia;

(*d*) pipes which have been manufactured and tested in accordance with the requirements of the appropriate standards or specifications of the Standards Association of Australia are used;

(*e*) galvanised iron pipes comply with the requirements of the Australian Standard Specification 1074–1971 'Steel Tubes and Tubulars suitable for Screwing'; Galvanised iron pipes.

(*f*) copper pipes comply with the requirements of the Australian Standard Specification 1432–1973 'Copper Tubes for Water, Gas and Sanitation'; Copper pipes.

(*g*) copper alloys used in pipes and fittings are resistant to dezincification;

(*h*) polyethylene pipes must be made by an approved manufacturer in an approved factory and comply with the requirements of Australian Standards 1159–1973, or 1159–1979, 'Polyethylene Pipe for Pressure Applications'; Polyethylene pipes.

(*i*) fittings for polyethylene pipes shall be mechanical joints of a compression type and shall comply with the requirements of Australian Standard 1460–1973, 'Mechanical Jointing Fittings for use with Polyethylene Pressure Pipes';

(*j*) PVC (unplasticised polyvinyl chloride) pipes and fittings must be made by an approved manufacturer in an approved factory and comply with the requirements of Australian Standard 1477, Parts 1 to 6—1973, 'Unplasticised PVC (UPVC) pipes and fittings for pressure applications'; P.V.C. pipes.

(*k*) PVC pipes and fittings less than 50 mm nominal size are solvent jointed using an approved solvent for pressure systems complying with the requirements of Australian Standard A185–1971, 'Solvent-welding cements for use with rigid PVC pipe and fittings'. All other PVC pipes are to be joined by an approved rubber-ring joint system;

(*l*) all joints used to join pipes and fittings are of the types specified in the Second Schedule. Joints.

PART VIII.—WATER METERS

Water to pass through meter in the correct direction.

40. (1) Except where no meter has been provided by the Commission, no person shall use any service pipe for the supply of water unless the whole of the water supplied to such service pipe passes through a meter in the correct direction. The size and type of meter required will be determined by the Commission.

Installation of meter.

(2) All meters shall be provided, maintained by, and shall remain the property of the Commission. The licensed plumber installing a service pipe shall, before installing such service pipe, ascertain from the Commission the size of the meter to be installed and shall make provision, hereinafter referred to as the meter bracket as shown in the Third Schedule, in the arrangement and installation of the service pipe, for connection of such meter in accordance with the following requirements—

(*a*) the meter bracket shall be located within the tenement to be supplied and not more than two metres inside the boundary of the tenement, such boundary being that nearest the water main, aqueduct or private extension from which supply is to be taken;

(*b*) the meter shall be in an easily accessible position and shall be protected from accidental damage;

(*c*) except where otherwise specifically permitted by the Proper Officer, the meter shall be placed above the ground and connected to the service pipe, in accordance with the method and plans approved by the Commission;

(*d*) all meters installed on services of 50 mm nominal size and smaller, shall be properly and securely affixed to such services by means of connections of brass, copper or other approved material;

(*e*) the meter bracket shall be so placed as to enable the meter to be fixed truly level on a solid foundation of brick, stone or concrete, the top of which foundation is level with, or above, the surface of the ground, except that with the approval of the Proper Officer, a meter may be fixed in a properly constructed and effectively drained pit provided with a cover capable of being opened by one man, together with an approved locking device on the cover when so directed;

(*f*) washers for meter couplings shall be of leather or other material approved by the Commission;

(*g*) all connections and fittings used in the fixing of the meter shall be left exposed until inspected by the Proper Officer.

(3) Pending the supply and installation of the meter by the Commission, the licensed plumber authorised to install the service pipe shall connect a distance-piece of an approved material in the service pipe in place of the meter.

(4) No person except a person authorised by the Commission shall fix or remove a meter.

Meter to be available for inspection.

41. No person shall—

(*a*) construct, or permit, or suffer to be constructed, any building over any meter or meter bracket;

(*b*) place, stack or store, or permit or suffer to be placed, stacked, or stored, any material around or upon any meter or meter bracket;

(*c*) do, or permit, or suffer to be done, any act, matter or thing, whereby inspection, removal or maintenance of any meter or meter bracket shall be interfered with, prevented, obstructed, or in any way rendered difficult.

Safe custody of meter.

42. (1) Every owner or occupier of a tenement which has a water meter owned by the Commission fixed on a service pipe to measure the quantity of water supplied to the tenement from a water main or aqueduct, shall be responsible for the safe custody of the said meter, and if it is stolen from the service pipe he shall pay to the Commission the cost of the meter, or if it is wilfully or negligently damaged while fixed on the service pipe, he shall pay to the Commission the cost of repairing the damage.

(2) The owner or occupier of a tenement shall immediately notify the Commission if the meter is stolen or if the meter is damaged.

Testing of meter.

43. Any owner or occupier of a tenement may at any time request the Commission in writing to test any meter attached to the service pipe through which water is supplied to such tenement, and shall at the time of delivery of such request pay the prescribed fee for this purpose. The Commission will thereupon remove and test the meter, or cause the same to be tested in such manner as it thinks fit. If such meter is found to be registering correctly, the Commission may retain the said prescribed fee in satisfaction of the fee for testing the said meter and fix the same or another meter (as it sees fit) on the service pipe. If the meter tested is found to be registering otherwise, the said prescribed fee shall be returned to the owner or occupier of the tenement (as the case may be), and the meter will be required to be re-fixed, or another meter fixed, on the same service pipe, at the Commission's cost.

Testing large meters in position.

44. Provision shall be made by the owner or occupier of a tenement for the testing of meters of 50 mm, or larger, in position, by fixing a stop-tap or valve on the outlet side of the meter with a ferrule-cock between the stop-tap or valve and the meter. No branches shall be taken off between the stop-tap or valve and the meter. The sizes of the ferrule-cock shall be as follows:

For 50 mm and 80 mm meters	20 mm
For 100 mm meters	25 mm
For meters larger than 100 mm	40 mm

Consumer leaving tenement to notify Commission.

45. Any person who ceases to occupy a tenement which is supplied by a service pipe on which a meter is fixed shall give written notice to the Commission at least six days before the date of vacation of the tenement.

PART IX.—FIRE SERVICES

Fire Services.

46. (1) The Commission may approve the installation of a combined fire and domestic service to a tenement, subject to certain conditions. The costs involved in the provision and installation of the meter shall be paid by the owner or occupier of the tenement, and the meter shall remain the property of the Commission.

(2) No person shall install a fire-service pipe unless each fire-hose tap on such fire service is sealed. For each fire-service pipe laid from a water main or aqueduct, there shall be paid to the Commission the prescribed sealing fee and thereafter a prescribed annual fee.

(3) Except in the case of fire, no person shall wilfully break the seal affixed to any fire-hose tap on a fire-service pipe, and in the event of any such seal being broken accidentally or otherwise, the owner or occupier of the tenement shall, within twenty-four hours of such breaking, give notice in writing of such breaking to the Commission. The owner or occupier shall, except if any seal has been broken for fire-extinction purposes, pay a prescribed re-sealing fee.

(4) No person shall install any hydrant or riser pipe with a fire-hose tap attached, unless such hydrant or riser pipe is in a conspicuous position and is painted bright red. The owner or occupier of a tenement shall maintain the said paintwork in good condition.

(5) Except as otherwise provided in this Clause, the provisions of this By-law in regard to service pipes shall, with such adaptions as are necessary, extend and apply to fire-service pipes.

(6) Each application for the installation of a fire service shall include two copies of a plan, properly dimensioned and drawn to scale, showing the location of all buildings, structures, pipes, fire-hose taps and fire hoses.

(7) No person shall take or use water from any portion of an un-metered fire-service pipe, except for fire-extinction purposes.

(8) In the event of the owner or occupier of a tenement committing any offence under this Clause, or permitting or suffering any such offence or breach to be committed, the Commission may, by notice in writing, require the owner or occupier to disconnect the fire service, and the said owner or occupier shall arrange for a licensed plumber to forthwith disconnect the said fire service.

Sprinkler fire services.

47. No person shall connect a sprinkler fire service to a service pipe except in accordance with conditions specified by the Commission or the Proper Officer.

PART X.—GENERAL

48. Any service pipe laid in accordance with the provisions of the Act and By-laws in force at the time of the laying of the pipe shall be deemed to have been laid in accordance with the provisions of this By-law but every renewal, alteration, addition or replacement thereof or thereto, shall be effected in accordance with the provisions of this By-law.

Existing service pipes.

49. If a tenement is, or is to be, supplied from a water main or an aqueduct in which the supply of water is intermittent, or where the owner or occupier of a tenement at any time requires considerably more water than normally available from a water main or aqueduct, the Commission may direct that the owner or occupier shall, at his own cost, provide such storage and other facilities as will be sufficient to supplement the supply of water during such periods.

Storage requirements for certain conditions of supply.

PART XI.—MISUSE AND WASTE OF WATER

50. No person supplied with water by the Commission shall waste or misuse the water or permit or suffer it to be wasted or misused.

Wasting of water.

51. No person shall take, or carry away, or permit or suffer any other person to take, or carry away, any water from a tenement supplied with water by the Commission, and no person shall sell any water supplied by the Commission, without the written permission of the Commission.

Sale of water.

52. No person other than a servant or agent of the Commission, a Municipal Council or a Fire Brigade, in the execution of his duty as such servant or agent, shall open, close, or otherwise interfere with, any fire-plug or hydrant attached to a water main.

Use of fireplugs and hydrants.

53. No person other than a servant or agent of the Municipal Council, Corporation or body having the care and management of a public park, public garden or reserve for public purposes, shall open, close, or otherwise interfere with, any tap, valve, or other like regulator (except a drinking fountain or other tap provided for public use) in, or connected with, any service pipe used for the supply of water to such park, garden or reserve.

Use of taps, valves etc. in parks, gardens and reserves.

PART XII.—PENALTIES

54. Any person who commits any breach of the provisions of this By-law shall be guilty of an offence and shall be liable to the penalty specified in the Fifth Schedule, unless he shows that prior consent to such breach was given in writing by the Commission or the Proper Officer.

Penalty for breaching By-law provisions.

55. Any owner of a tenement who fails to comply with a notice requiring him to remedy any works of water supply made contrary to the requirements of this By-law, in accordance with a notice served on him in writing by the Commission or the Proper Officer, and by the day specified in that notice, shall be guilty of an offence and shall be liable to the penalty specified in the Fifth Schedule.

Remedying works of water supply.

56. If any person supplied with water by the Commission wrongfully does, or causes, or permits to be done, anything in contravention of the provisions of the Act and this By-law, or wrongfully fails to do anything which, under any of such provisions, ought to be done for the prevention of the waste, misuse, undue consumption or contamination of the water of the Commission, the Commission may (without prejudice to any remedy against him in respect thereof) close, or cut off, any of the pipes by, or through which, water is supplied by it to him or for his use and may cease to supply him with water so long as the cause of injury remains or is not remedied.

FIRST SCHEDULE
(Clause 5 (1) (a) — Application Forms)

T.W. 106

STATE RIVERS AND WATER SUPPLY COMMISSION Tapping No.....

.....District Rate No.....

APPLICATION FOR PERMISSION TO INSTALL A NEW WATER SERVICE

IMPORTANT—This form must be completed in every detail

I hereby apply for permission to lay a Service Pipe from the Commission's Water Main to my property as stated hereunder :—

PARTICULARS OF PROPERTY :—

Allotment Number.....Lodged Plan No.....Crown Allot. No.....Section.....

Parish.....Street.....Town.....

Name of and distance from nearest cross street.....

For what purpose is water required.....
Dwelling, Poultry Farm, Stock, etc. (full description required)

If rural land : Area.....hectares. Number of houses.....Number of rooms.....

PARTICULARS OF SERVICE APPLIED FOR :—

Commission main from which Service is required.....
(Name of Street)

Service Pipe required :— Size.....

Type of Piping.....

Number of Water Outlets to be installed : Cold Taps..... Hot Taps.....

Water Closets.....

Others.....
(Give details)

Details of Pump if required.....

SKETCH showing the location of the property, position of tapping, proposed layout of piping, etc., is to be provided on the back of this Form for services larger than 20 mm in diameter and private extensions.

METER FITTINGS shall be provided in all cases when service is installed, and meter shall be fixed at any time by the Commission.

NOTE.—ROAD OPENING—Any person who intends to open or break up any street for the purpose of laying a pipe is required to obtain the prior consent of the Municipal Council. Any person failing to do so may be liable to a penalty.

I HEREBY CERTIFY that the above particulars are true and correct and AGREE to comply with the conditions of supply and to pay the charges fixed from time to time by the Commission in accordance with the provisions of the Water Act.

Owner's Name..... Owner's Signature.....
(BLOCK Letters)

Postal Address..... Date.....

I HEREBY AGREE to install the water service detailed above (as amended by the Commission as a condition for its approval) in accordance with the Water Act and By-laws made thereunder.

Plumbers' Name.....Plumber's Signature.....
(BLOCK Letters)

Postal Address..... Date.....

OFFICIAL USE ONLY Rating No..... Corres. No.....

Property rate record : Charges payable/not payable for provision of supply.

Application approved.....District Engineer. Date.....

Tapping fee..... Receipt No..... Date.....

Size and type of main tapped.....Date property supplied with water.....

Meter No.....Size.....mm. Reading..... Date.....

FIRST SCHEDULE—*continued*

Sketch showing the location of the property, position of tapping, proposed layout of piping, etc., for services larger than 20mm in diameter and private extensions.

OFFICE USE ONLY

Service Inspections	*Remarks*	*Inspector*	*Date*
Main to Meter			
Rough-in			
Final			

Service inspected and passed, sketch and particulars on form checked after completion

by..... .....

(*Inspector*) (*Date*)

FIRST SCHEDULE—*continued*

T.W. 105

STATE RIVERS AND WATER SUPPLY COMMISSION Extension No. .....

..... DISTRICT Rate No. .....

APPLICATION TO ALTER OR REPAIR A WATER SERVICE

Note :—Use this form for repairs, renewals, extensions, disconnections, transfer of service from private extensions to main and other alterations to services.

IMPORTANT—This Form must be completed in every detail

I hereby apply for permission to alter the water service to my property as follows :—

PARTICULARS OF PROPOSED NEW WORK :—

Proposed sizes and types of piping .....

Number of water outlets proposed : Cold taps ..... Hot taps ..... Water closets .....

Any further particulars .....

.....

.....

PARTICULARS OF PROPERTY :—

Allotment No. ..... Lodged Plan No. ..... Crown Allot. No. ..... Section .....

Parish ..... Street ..... Town ..... Meter No. .....

Name of and distance from nearest cross street .....

For what purpose is water used .....
Dwelling, Poultry Farm, Stock, etc. (full description required)

If rural land—Area ..... hectares. Number of houses ..... Number of rooms .....

PARTICULARS OF SERVICE BEFORE NEW WORK :—

Commission main from which service is supplied .....
(Name of street)

Existing sizes and types of piping .....

Number of water outlets installed : Cold taps ..... Hot taps ..... Water closets .....

Others .....
(Give details)

Details of Pump if installed .....

SKETCH showing the location of the property, proposed position of tapping and layout of piping, etc., is desirable but must be provided for services larger than 20 mm size and private extensions. (Use back of this Form)

NOTE.—ROAD OPENING—Any person who intends to open or break up any street for the purpose of laying a pipe is required to obtain the prior consent of the Muncipal Council. Any person failing to do so may be liable to a penalty.

I HEREBY CERTIFY that the above particulars are true and correct and AGREE to comply with the conditions of supply and to pay the charges fixed from time to time by the Commission in accordance with the provisions of the Water Act.

Owner's name ..... Owner's signature .....
(BLOCK Letters)

Postal address ..... Date .....

I HEREBY AGREE to install the water service detailed above (as amended by the Commission as a condition for its approval) in accordance with the Water Act and By-Laws made thereunder.

Plumber's name ..... Plumber's signature .....
(BLOCK Letters)

Postal address ..... Date .....

OFFICE USE ONLY Prior application No. ..... Corres. No. .....

Application approved ..... District Engineer Date .....

Tapping fee ..... Receipt No. ..... Date .....

Size and type of main tapped ..... Date .....

Meter No. ..... Size ..... mm. Reading ..... Date .....

Service inspected and passed, sketch and particulars on form checked after completion by

....
(Inspector) *(Date)*

No. 7—12439/79—2

FIRST SCHEDULE—*continued*

Sketch showing the location of the property, proposed position of tapping and layout of piping, etc. is desirable but must be provided for services larger than 20 mm size and private extensions.

SECOND SCHEDULE

SERVICE PIPE JOINTS

Clause 39. Approved joints for service pipes and fittings are as follows:

Cast Iron (cement-mortar lined)

flanged joints, gibault joints, rubber-ring joints, poured and caulked lead joints.

Asbestos Cement

gibault joints, rubber-ring joints.

Welded Mild Steel (lined and coated)

flanged joints, welded joints, rubber-ring joints.

Polyethylene

compression-type mechanical joints.

PVC

solvent-welded joints for nominal sizes less than 50 mm; for 50 mm and above, rubber-ring joints.

Galvanised Iron

screwed (yarned or taped) joints, gibault joints, flanged joints.

Copper

(1) Type A—For use with compression, capillary and brazed joints.
Type B—For use with compression, capillary and brazed joints.
Type C—For use with capillary and brazed joints.
Type D—For use with capillary and brazed points only, and in the 'as-drawn' condition.

(2) Types C and D are for use only inside the tenement beyond the bottom outlet bend of the meter and subject to the provisions of Clause 9.

(3) Approved brazing alloys are silver-copper-phosphorous alloys containing not less than 15 per cent silver and silver-copper-cadmium-zinc alloys containing not less than 35 per cent silver.

(4) Type D pipes are also to be—

(*a*) used in straight lengths in the 'as-drawn' condition and not bent or offset;

(*b*) not annealed except that local annealing may be permitted where necessary in jointing the pipes;

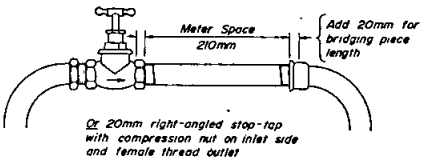
(*c*) not used to fabricate fittings and/or junctions;

(*d*) jointed by the formation of a parallel socket and brazing with an approved low-temperature brazing alloy and/or connected by, or to, capillary-type fittings with either soft solder or approved low-temperature brazing alloy;

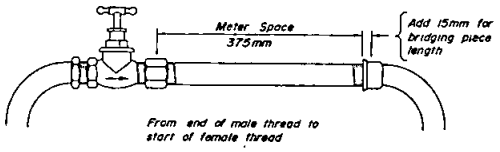
(*e*) not connected by, or to, compression fittings.

THIRD SCHEDULE

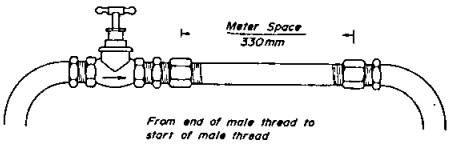
METER BRACKET ARRANGEMENTS
FOR 20mm TO 40mm SERVICES



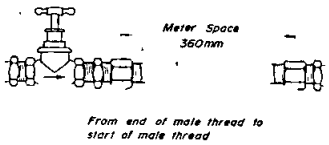
20mm SERVICE



25mm SERVICE



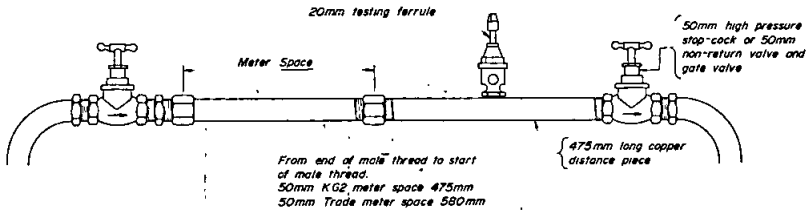
32mm SERVICE



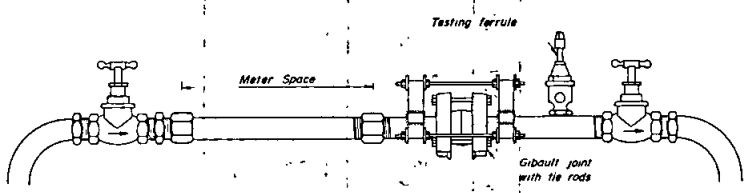
40mm SERVICE

THIRD SCHEDULE—*continued*

METER BRACKET ARRANGEMENTS
FOR 50mm TO 100mm SERVICES



50mm SERVICE



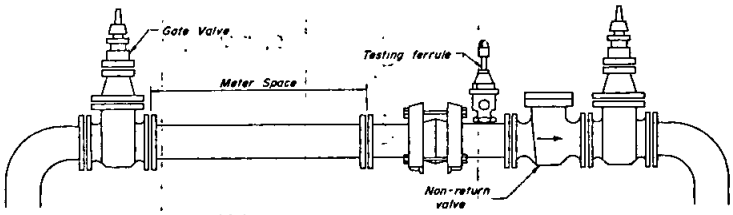
80mm SERVICE

Meter space MT2 = 790mm, Trade = 810mm } 20mm testing ferrule

100mm SERVICE

Meter space MT2 = 810mm, Trade = 805mm } 25mm testing ferrule

METER BRACKET ARRANGEMENTS
FOR 80mm TO 150mm SERVICES



METER SPACES					
Service Size	Meter Space		Combination Meter Space		Testing Ferrule Size
	Torrent	Torrent 2000	Torrent	Torrent 2000	
80mm	635mm	670mm	970mm	1005mm	20mm
100mm	805mm	775mm	1230mm	1170 mm	25mm
150mm	1300mm	910mm	1730mm	1470 mm	40mm

FOURTH SCHEDULE

ACCEPTABLE EQUIVALENT PIPE SIZES (mm)

Nominal Size (as required in the By-law)	*Taps and Gate Valves*	*Copper A.S. 1432–1973 Nominal Outside Diameter Type B*	*Galvanised Iron A.S. 1074–1971 Nominal Internal Diameter Heavy*	*Polyethylene Class 12, Type 50*		*PVC A.S. 1477–1973 Nominal Internal Diameter Minimum Class 12*
				A.S. 1159–1973 Nominal Size	*A.S. 1159–1979 Nominal Outside Diameter*	
15	15	15	15	10 or 15	16 or 20	8 or 10
20	20	20	20	20	25	15
25	25	25	25	25	32	20
32	32	32	32	32	40	25
40	40	40	40	40	50	32
50	50	50	50	50	63	50

FIFTH SCHEDULE

PENALTIES

Clause 54. Penalty for breaching By-law provisions; not more than One hundred dollars ($100).

Clause 55. Penalty for non-compliance with notice to remedy works of water supply; not more than One hundred dollars ($100), and in the case of a continuing offence shall be liable to a further penalty not exceeding ten dollars ($10) for every day the offence continues after notice of the offence from the Commission.

The foregoing By-law was made by the Commission on 17 September 1979, and the Common Seal of the Commission was hereunto affixed 14 January 1980, in the presence of—

W. E. BROMFIELD, Commissioner
D. J. CONSTABLE, Commissioner

Approved by the Governor in Council, 22 January 1980—
TOM FORRISTAL, Clerk of the Executive Council.

By Authority: F. D. ATKINSON, Government Printer, Melbourne