

## PART 17 WATER SUPPLY

### 17.1 INTERPRETATION

17.1.1 In this Part of this bylaw, except where repugnant to or inconsistent with the context or where otherwise expressly provided:

"Approved" means approved by the Council or by an officer authorised in that behalf by Council and includes the [Group Manager, Utilities Policy] and [General Manager, Environment and Regulatory Services].

All references to "Director of Inspectorial Services" and "Director of Works" were repealed and replaced with "General Manager, Environment and Regulatory Services" and "Group Manager, Utilities Policy" respectively by Confirmation of Special Order 62/98.

"Controlled Catchment Area" means an area under the control of the Council, to which the public and domestic animals are prohibited from entry and from which waters are drawn.

"Direct Connection" includes, or as determined by the Council in all cases, any underwater outlet or any arrangement of pipes (either as a singular or multiple fitting), hoses, or fittings temporary or otherwise which renders or is liable to render back flow into the Council's public water supply system.

"Distribution Pipe" means an approved pipe conveying potable water supplied by the Council from a storage tank or from a hot water cylinder supplied from such tank and under pressure therefrom.

"Fire Hose Reel" means a metal reel, permanently connected to the water supply, on which is wound rubber tubing having an internal diameter of 12.5 millimetres nominal or 20 millimetres nominal, which can be used for first aid fire-fighting purposes.

"Fire Sprinkler System" means the system of pipes fitted with sprinkler nozzles which open by extraordinary rise in temperature to automatically drench an area for the purpose of extinguishing fire and is maintained with a superimposed pressure so that an alarm is activated when a nozzle opens allowing the pressure to fall to mains pressure.

"Hose" means any flexible or moveable tube for conducting water and includes a sprinkler, soaker or distributing device whether held by hand or not.

"Mechanical sprinkler or sprinkler" means a revolving spray, sprinkler pipe, or contrivance to distribute water for garden or lawn watering, but does not include a hand-held hose, or a contrivance installed exclusively for the purpose of extinguishing fire.

"Push-Through Water Heater" means a water heater with a stop-tap on the cold water inlet designed so that the hot water is discharged through an open outlet.

"Stoptap" includes a stop cock, stop valve and any other device for stopping at will the flow of water in a line of pipes.

"Storage Tank" means any tank other than a flushing cistern having a free water surface under atmospheric pressure from which water supplied by the Council is delivered for use.

"Supply Pipe" means the pipe provided by the consumer to connect the service pipe to the premises and includes pipes, tanks, valves and fittings connected thereto within the premises.

"Craftsman Plumber" and "Sanitary Plumbing" have the same meanings as they have in the Plumbers, Gas-fitters, and Drainlayers Act 1976.

"Uncontrolled Catchment Area" means an area to which the public and domestic animals are not prohibited from entry and from which waters are drawn or likely to be drawn for public consumption.

"Wet Riser Main" means a vertical water main installed in a multi-storey building which outlets on each floor to which the fire brigade can connect hose for fire fighting purposes and connected to a water supply.

"Water Supply Area" means a water supply area constituted under Part XXIII of the Local Government Act 1974.

## **17.2 ORDINARY AND EXTRAORDINARY SUPPLY**

- 17.2.1 Any water supplied from the waterworks to properties within the district and used for any purpose, which is not defined to be an extraordinary supply in terms of this bylaw shall be deemed to be an ordinary supply.
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- 17.2.2 Every person paying to the Council the appropriate rates or charges levied in respect of such properties shall be entitled to an ordinary supply of water.

## 17.3 EXTRAORDINARY SUPPLY

- 17.3.1 Any water supplied from the waterworks for the following purposes shall be deemed to be an extraordinary supply:

Boat sheds

Bottle or container washing

Breweries and Distilleries and the like

Buildings, roading and all other construction works

Camping Grounds

Clinics

Cooling of commercial and industrial equipment unless equipped with recirculating systems which in the opinion of the [Group Manager, Utilities Policy] provide for maximum practical conservation of water.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

Electroplating plants

Freezing or Chilling plants

Hotels, Motels and Club premises

Laundries, operated as or in connection with a business

Orchards, market gardens, plant nurseries, commercial propagation houses or glasshouses, and garden produce allotments.

Ornamental and recreational purposes on any premises such as fountains, ponds, cascades, swirl pools and the like which are not provided with recirculation facilities or where recirculation facilities are not used.

Photographic processing

Private hospitals

Rest Homes

Sewage or waste products

Schools on rateable property

Steam boilers used in connection with commercial or industrial activities

Stock watering

Swimming pools

Timber sales yard treatment plants

Trade, business manufacture or other undertakings not otherwise specified where water is used for the conduct of the trade, business, manufacturing process or undertaking

Vehicle and mobile plant washing installations

Water cartage supply points

Water motors

Water operated hydraulic machinery

17.3.2 In the case of a private swimming pool where water is drawn from the Council reticulation for filling pools of 2000 litres or greater capacity, a charge shall be made for the water used. Where the pools are filled with an approved type reticulation/filtration plant, a fee equal to the cost of three (3) complete fills of the pool will be charged annually. Where no such plant is in use, the water supply for the whole property is to be metered at the pool owner's expense, and all water used above that paid for by way of rates, is to be charged to the pool owner at the current rate of extraordinary water.

- (a) Protection - Filling pools by use of a hose is permitted only if a fixture is provided on the pool so that an air gap of 150 millimetres or more exists between the nozzle of the hose and the top of the pool. If an installed water pipe is used, a similar air gap or other approved type back-flow preventer must be provided.

- (b) Filling of Pools - Where an unattended hose is to be used for the filling of a pool on an unmetered supply, they may be used only between the hours of 5 am and 7 am and 5 pm and 7 pm daily.

## 17.4 NO OBLIGATION TO GIVE EXTRAORDINARY SUPPLY

- 17.4.1 The Council shall be under no obligation to give or continue an extraordinary supply of water.

## 17.5 USE OF EXTRAORDINARY SUPPLY

- 17.5.1 No consumer or other person shall use or permit or allow to be used in, upon or in connection with any premises for any of the purposes defined in this Part of this bylaw as extraordinary supply, any water supplied from the waterworks as and for ordinary supply.

## 17.6 OTHER RESTRICTIONS UPON USE OF EXTRAORDINARY SUPPLY

- 17.6.1 No consumer or other person receiving an extraordinary supply for one purpose shall use or permit or allow to be used any part of such supply for any purpose other than the particular purpose for which he receives it.

## 17.7 SUPPLY BY METER

- 17.7.1 An extraordinary supply of water to any property shall be metered except where otherwise provided for herein, and where the supply of water to any premises consists of both ordinary and extraordinary supply the [Group Manager, Utilities Policy] may require that the whole of such supply be metered as an extraordinary supply, and in any case of doubt or dispute regarding the use of an ordinary supply such supply shall be metered as an extraordinary supply.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.8 CONTINUITY OF SUPPLY

- 17.8.1 The Council does not guarantee the uninterrupted supply of water, whether in cases of ordinary or extraordinary supply, and no allowance or compensation will be made or allowed on account of water being shut off whether for the purpose of laying mains, effecting repairs, attaching new services, or for any other purpose or reasons whatsoever.

- 17.8.2 A consumer for whose purpose an uninterrupted supply of water is essential shall provide such storage tanks as are necessary to give effective continuity for his or her particular purposes.

## 17.9 PRESSURE

- 17.9.1 The Council does not guarantee any specified maximum or minimum pressure in its distribution system and no allowance or compensation will be made or allowed on account of change of pressure in the supply.

## 17.10 PROHIBITION OR RESTRICTION OF SUPPLY

- 17.10.1 The Council may at any time, by resolution publicly notified, and until a further public notice of the rescission of such resolution has been given, restrict or prohibit the use of water for any one or more of the purposes covered in the definition of extraordinary supply, and thereupon it shall be an offence against this Part of this bylaw for any person to use water in the manner so restricted or prohibited.

- 17.10.2 If at any time the Council considers that because of drought or for any other reasons the available water supply is not sufficient to allow the unrestricted consumption of water, and that extraordinary measures are necessary in order to conserve such available water supply, the Council may by resolution publicly notified, and until public notice of the rescission of such resolution has been given, restrict or prohibit the use of water, whether an ordinary or extraordinary supply, for any specified purpose or for any specified periods or may restrict the quantity which may be used.

Any such restriction or prohibition may apply to the whole of the district or if the circumstances so require to a portion only of the district.

- 17.10.3 No consumer shall in case of any such restriction or prohibition under clauses 17.10.1 and 17.10.2 be entitled to any payment or compensation whatsoever.
- 17.10.4 Any person offending against or failing to observe or comply with the provisions of any resolution under clause 17.10.2 shall be guilty of an offence against this Part this bylaw.
- 17.10.5 In the case of urgency the [Group Manager, Utilities Policy] or an authorised officer may prohibit the use of water for any extraordinary purpose that is deemed necessary pending the next succeeding meeting of the Council.
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All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.11 WATER SUPPLY BEFORE OCCUPATION OF DWELLING

17.11.1 No person shall occupy or permit the occupation of a building for residential purposes or human habitation unless such building shall be provided with an adequate and convenient supply of wholesome water for domestic purposes with approved pipes and fittings.

17.11.2 The Council will not commence the supply until the [Group Manager, Utilities Policy] or an authorised officer is satisfied that the installation complies in all respects with the provisions of this part of this bylaw, the Drainage and Plumbing Regulations 1978 and any permit issued.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.12 APPLICATION FOR SUPPLY

17.12.1 Any consumer requiring:

- (a) An ordinary water supply; or
- (b) An extraordinary supply for any purpose whether or not any ordinary supply is being received; or
- (c) A change in extraordinary supply in respect of any property shall sign an application to the Council for the same on an application form obtained at the office of the [Group Manager, Utilities Policy].

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

17.12.2 Every application shall state thereon the purpose for which the supply is required, and any other relevant information as may be required by an authorised officer and shall be signed by the owner or lessee of the premises for which water is required.

17.12.3 Every application shall be accompanied by a scaled plan and any such additional information as required by an authorised officer that clearly shows the work proposed to be carried out.

17.12.4 The applicant shall enter into such agreement as the [Group Manager, Utilities Policy] may require in relation to such supply and the [Group Manager, Utilities Policy] may determine the method of supply by meter or otherwise.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## **17.13 SUPPLIES FROM STANDPIPES ON HYDRANTS**

- 17.13.1 For approved purposes and subject to such conditions as the [Group Manager, Utilities Policy] may prescribe, any extraordinary supply of water may be given by means of a standpipe to be placed upon a specified fire hydrant. An application on a form to be obtained at the office of the [Group Manager, Utilities Policy] shall be made for such supply and for the hire of a standpipe if supplied by the Council.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## **17.14 DETERMINATION OF SIZE OF SERVICE**

- 17.14.1 The [Group Manager, Utilities Policy] shall have the right to estimate the proposed consumption and to determine the size of main tapping, the size of meter, and the size of service pipe required for the supply.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## **17.15 ISSUE OF PERMIT**

- 17.15.1 Upon receipt of any application in proper form, the [Group Manager, Utilities Policy] or an authorised officer may, if satisfied that a permit should be issued, issue a permit subject to the receipt of the appropriate fee as determined from time to time by the Council.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## **17.16 WORK NOT TO BE COMMENCED WITHOUT A PERMIT**

- 17.16.1 No person shall attach or connect or permit to be attached or connected any water work service pipe, any supply pipe, sanitary fittings, hydraulic machinery or apparatus requiring a gap separation or a back flow preventer, unless that person is the holder of a permit issued under the Drainage and Plumbing Regulations 1978 and subsequent amendments.

## **17.17 NON-DEVIATION FROM PERMIT**

- 17.17.1 No person, without the prior consent of the [Group Manager, Utilities Policy], in writing, shall carry out any work otherwise than in accordance with the permit granted.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## **17.18 CONNECTIONS, DISCONNECTIONS AND INSPECTIONS**

17.18.1 No person, other than an authorised officer or other duly authorised employee of Council shall, without express written authority signed by the [Group Manager, Utilities Policy], make any connection with or otherwise interfere with, any part of the waterworks system.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## **17.19 DISCONNECTIONS REQUIRED**

17.19.1 Where any water fitting is to be permanently disconnected, the portion of pipe that supplies water to that fitting only, and is not required to supply water to any other fitting, shall also be disconnected in an approved manner.

## **17.20 NOTICE WHEN SUPPLY NOT REQUIRED**

17.20.1 When any building or property supplied with water by the Council becomes unoccupied or for any other reason a supply of water is no longer required, the owner or occupier as is appropriate shall give notice thereof in writing to the Council.

## **17.21 DISCONNECTION FOR NON-PAYMENT OR NON-COMPLIANCE WITH NOTICE**

17.21.1 If default shall be made for more than 21 days in payment of any monies payable in respect of and incidental to the supply of water from its mains, the Council or any authorised officer shall have the right after giving fourteen (14) days notice of Council's intention to the consumer in writing to determine and cut off the supply, and may recover all monies owing in any Court of competent jurisdiction as a debt owing to the Council.

17.21.2 The Council may cut off or restrict the supply of water to any premises where an owner or occupier fails to comply with a Council requisition to effect necessary repair of defective pipes or associated fittings to prevent waste or nuisance from occurring.

## **17.22 TURNING ON FEE**

17.22.1 Whenever the water supply has been cut off from any premises, such supply shall not be turned on except upon payment of a fee of such amount as may from time to time be fixed by resolution of the Council and the payment of any water fees and charges which are unpaid.

## 17.23 INSPECTION OF INSTALLATION

- 17.23.1 It shall be lawful for the [Group Manager, Utilities Policy] or any authorised officer at any time of the day or night to enter upon any land, and at any time between the hours of 8 am and 6 pm of any day, to enter into any building for the purposes of inspecting all or any of the fittings and other apparatus therein connected directly or indirectly with the waterworks, and any person resisting or refusing to allow any such entry or inspection shall be guilty of an offence against this Part of this bylaw. If the [Group Manager, Utilities Policy] or authorised officer is obstructed or refused admittance, the Council may stop the supply of water to that premises in any manner it thinks fit.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.24 POINT OF SUPPLY

- 17.24.1 The point of supply to the consumer shall normally be a point 250 millimetres distant from the street boundary but in places where such alignment is inconvenient for making a connection by reason of fences, walls or other causes, it shall be sufficient if the service pipe is laid by the Council to a point as close as reasonably possible to such street boundary.

- 17.24.2 The extension to the boundary from the termination of the service pipe, and the supply pipe within the premises shall be provided by the owner or occupier at their respective expense, to the satisfaction and approval in all things of the [Group Manager, Utilities Policy].

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

- 17.24.3 In the case of an extraordinary supply requiring metering, the meter shall be installed on the supply pipe as directed by the Council or an authorised officer.

## 17.25 STOPTAPS TO BE PROVIDED

- 17.25.1 In addition to any stoptap fitted by the Council on the service pipe, the consumer shall, except in the case of a fire sprinkler system, fit stoptaps as follows to the satisfaction of the [Group Manager, Utilities Policy] or an authorised officer:

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

- (a) Where a building is set back from the street boundary, a stoptap shall be fitted on the supply pipe to control all outlets on the property.
- (b) Where a building is on the property boundary a stoptap shall be provided inside the building as close as possible to the point of pipe entry to control all the outlets on the property.
- (c) In every building of more than one (1) floor, at every floor level including sub-floor or basement level, one or more stoptaps to control the supply to all outlets on such floor, provided that this requirement shall not apply to a two-storey residential dwelling used as a single unit.
- (d) All stoptaps shall be kept readily accessible at all times and exterior stoptaps shall be protected by strong durable boxes of earthenware, concrete, cast iron, or other approved material.

## **17.26 ONLY ONE POINT OF SUPPLY**

- 17.26.1 Except with the written consent of the [Group Manager, Utilities Policy], no premises shall be supplied with more than one (1) service pipe and where this consent is given, only under such conditions as the [Group Manager, Utilities Policy] prescribes.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## **17.27 ONE PIPE NOT TO SERVICE TWO PREMISES**

- 17.27.1 Except with the written consent of the [Group Manager, Utilities Policy] or an authorised officer, no water shall be supplied to any building or premises from any pipe or water supply fitting or appliance laid or installed on or in connection with any other building or premises. Such consent will not be given unless both the premises are held under one rating assessment.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## **17.28 WORK IN STREETS AND PUBLIC PLACES**

- 17.28.1 Except with the written consent of the [Group Manager, Utilities Policy] or an authorised officer, no person shall carry out work in any road, private road, or public place. Any person having obtained such consent shall carry out and complete the same in accordance with the conditions as may be prescribed by the [Group Manager, Utilities Policy] or an authorised officer and

without unnecessary delay, and shall well and properly refill all trenches and shall remove all waste materials from each road, private road or public place as soon as possible. The [Group Manager, Utilities Policy] or an authorised officer may specify the hours in which work in such street, private road, or public place may be undertaken.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.29 GENERAL

- 17.29.1 All materials, fittings, and appliances used for the supply and distribution to any premises of water supplied by the Council shall be of such design and quality as to prevent waste, undue consumption, misuse, or contamination of water, or the setting up of water hammer in any part of the system. They shall in every case be of approved design and materials for durability and ready maintenance. All such fittings shall be capable of standing a test pressure of 180m head of water (1.8MPa) and suitable for a working pressure equivalent to 90m head of water (0.9MPa), or such other pressures as the [Group Manager, Utilities Policy] shall prescribe.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.30 PIPES

- 17.30.1 Pipes used for water supply and distribution in any premises shall be those approved by the [Group Manager, Utilities Policy], and in every case be capable of standing a test pressure equivalent to 180m head of water (1.8MPa) and be suitable for a working pressure equivalent to that of 90 m head of water (0.9MPa) or such other pressures as the [Group Manager, Utilities Policy] shall prescribe. Where such pipes are made of corrodible material they shall be efficiently protected against external corrosion and, unless they form part of a closed circuit from which water is not drawn, against internal corrosion.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

- 17.30.2 Every pipe shall be adequately supported with such clips and brackets as are necessary and shall be so aligned as to avoid air locks.

## 17.31 PIPES AND FITTINGS TO BE ACCESSIBLE

- 17.31.1 Every pipe and fitting within a building shall, so far as is reasonable practicable, be so placed as to be readily accessible

for examination, repair, or replacements, provided that this shall not prohibit the enclosing of any pipe in a properly designed case or duct constructed so that the pipe is reasonably accessible for examination, repair, or replacement.

## 17.32 PIPES CARRIED THROUGH BRICK OR CONCRETE

17.32.1 Where in the opinion of the [Group Manager, Utilities Policy] it is necessary that a supply pipe be laid under or carried through any brick or concrete work or laid in any other inaccessible position, such supply pipe shall be carried through an exterior sleeve pipe of approved material and of sufficient length to bring any leakage or waste within easy observation, in such manner as to facilitate the carrying out of any necessary repairs to such supply pipe. Where a supply pipe enters a building or basement from the service connection through a sleeve pipe or clearance hole, such supply pipe shall be effectively sealed into the opening with an approved caulking compound and so maintained as to prevent the entry of surface or seepage water.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.33 PIPES ABOVE GROUND LEVEL

17.33.1 Every external service pipe fixed above the level of the ground shall be properly protected by the owner of the premises as and when required by the [Group Manager, Utilities Policy].

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.34 DEPTH OF BURIAL OF PIPES

17.34.1 Unless otherwise approved in special cases the minimum cover from the surface to the top of the pipe shall be as follows:

All pipes over 50 millimetres nominal diameter. 750 millimetres in all locations.

Metal pipes up to 50 millimetres nominal diameter. 500 millimetres within public and private road boundaries or where likely in the opinion of the [Group Manager, Utilities Policy] to be crossed by vehicles; 300 millimetres elsewhere.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

Plastics or other than metal pipes up to 50 millimetres nominal diameter. 600 millimetres within public or private road boundary or where likely in the opinion of the [Group Manager, Utilities Policy] to be crossed by vehicles; 400 millimetres elsewhere.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## **17.35 PIPES FOR FIRE FIGHTING PURPOSES**

- 17.35.1 Pipes of material known generally as plastics, and including PVC, polythene, rigid PVC, and all other which are mechanically affected by the action of heat shall not be fitted for use on any supply which is or may be required for fire fighting purposes in any premises.

## **17.36 QUICK-CLOSING VALVES NOT TO BE USED**

- 17.36.1 Quick-closing valves of any kind shall not be used on any piping directly connected to the service pipe, that is, in any position where they are required to close against mains pressure. In circumstances specially approved they may be used, provided a suitable air chamber is fitted in the supply pipe at the stoptap or next to the fitting as may be required in the particular case. In special circumstances non-concussive types of valve may be used as approved by the [Group Manager, Utilities Policy].

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## **17.37 FLOAT VALVE INSTALLATION**

- 17.37.1 Every ballvalve or float-operated valve fitted to a storage tank shall be securely and rigidly fixed thereto above the top water line, and shall be supported independently of the inlet pipe (unless such inlet pipe is itself rigid and rigidly fixed to the tank) in such a position that no part of the body of the valve would be submerged if the tank were charged to an amount above its overflowing level of twice the diameter of supply pipe and in no case less than 25 millimetres.

- 17.37.2 Where a ballvalve is permitted to be provided with a pipe so arranged as to discharge water into a tank below its overflowing level, effective means such as an air hole shall be provided in the outlet chamber of the ballvalve above such level to prevent siphonage of water back through the ballvalve. Silencing pipes will be permitted only in break pressure tanks such as flushing cisterns and supply tanks for hot water systems.

- 17.37.3 No ballvalve shall be fitted to a hot water storage cistern.

## **17.38 STORAGE TANKS**

- 17.38.1 Every tank used for the storage of water, other than a flushing cistern, or one for supplying water to a thermal storage electric water-heating unit shall be made of approved material, and every such tank shall be made and shall at all times be maintained in an efficient and watertight condition.
- 17.38.2 If placed inside any building every such tank shall have fixed there-under, to the satisfaction of the [Group Manager, Utilities Policy], a tray of 2.3 kilogram lead, or 0.6 millimetre galvanized iron or sheet copper or other suitable material with an overflow pipe of the same material not less than 40 millimetres nominal diameter discharging in a conspicuous position clear of the building and within the boundary of the premises. If the tray is of metal dissimilar to that of the tank or piping, to avoid corrosion it shall not be in direct contact with the tank or piping, but shall be separated by suitable material which is not an electrical conductor. The overflow pipe shall be of the same material as the tray.  
All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.
- 17.38.3 Every such tank shall be enclosed and ventilated so that the water therein may not be liable to contamination from any cause whatsoever and shall be placed in such position that easy access may be had thereto for the purposes of inspection and cleansing. Adequate scour valves shall be fitted to permit periodic cleansing.
- 17.38.4 No such tank shall be buried in, or placed below the ground except with the prior written consent of the [Group Manager, Utilities Policy], and then only provided that the supply is metered and in accordance with any conditions prescribed by the [Group Manager, Utilities Policy].  
All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.
- 17.38.5 Every such tank shall be provided with an efficient and approved overflow pipe not less than 40 millimetres nominal diameter, so as to discharge in a conspicuous position outside the building and within the boundary of the premises together with the drain from the tray where fitted.
- 17.38.6 Every tank used for the storage of water, other than a flushing cistern shall be installed inside a timber frame and fixed, and braced with timber to prevent undue movement or collapse.

## 17.39 FLUSHING CISTERNS

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- 17.39.1 Every water closet flushing cistern shall comply with NZS 245 (including subsequent amendments) on all matters not otherwise referred to in this Part of this bylaw. The flushing valve in the cistern shall be a siphonic type or, where approved by the [Group Manager, Utilities Policy] for general use in the district, an underwater valve type.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

- 17.39.2 The underside of the bend in the siphon pipe or the top of the straight discharge pipe in the dome pattern shall be not less than 3 millimetres above the highest possible water level or effective tip edge of the cistern. The siphon or dome and discharge pipe shall be of suitable corrosion-resistant material. The operating apparatus shall be so constructed that the discharge through the flush pipes ceases automatically upon completion of the required flush irrespective of the position of the starting lever.

- 17.39.3 (a) No model of under water valve cistern shall be installed which has not been approved by the [Group Manager, Utilities Policy].

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

(b) All approved units shall be installed in strict accordance with the manufacturer's instructions and conditions of the appraisal certificate from the Building Research Association of New Zealand.

(c) All units shall have a satisfactory overflow pipe discharging outside the building where it can be easily observed if discharging. The invert of the overflow outlet from the cistern shall not be less than 19 millimetres above the normal working water level and not less than 25 millimetres below the top of the open-ended valve tube when in the closed position.

(d) The underside of the bend in the siphon pipe, or the top of the straight discharge pipe in the dome pattern shall be at such height that no water runs down the flushpipe unless there is a substantial leakage from an orifice in the cistern of sufficient magnitude to give warning and necessitate repairs being effected. The orifice level shall be no less than six (6) millimetres above the top of the overflow pipe. The siphon or dome and discharge pipe shall be of suitable corrosion-resistant material. The operating apparatus shall be so constructed that the discharge through the flushpipe ceases automatically upon completion of the required flush irrespective of the position of the starting lever.

## 17.40 FLUSH VALVES

- 17.40.1 Flush valves shall be installed only by special permit from the [Group Manager, Utilities Policy]. They shall be of approved waste-preventing type discharging not more than 13.5 litres per flush and supplied by a separate storage tank. They shall be incapable of delivering more than 13.5 litres per flush regardless of any manipulation of the operating lever. The flush valve shall be so constructed as to seal automatically upon the termination of the prescribed flush, irrespective of the position of the starting lever.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.41 SUPPLY TO WATER HEATERS

- 17.41.1 The supply of cold water to water heaters other than push-through heaters or approved valve type of gas water-heater, or heat exchanger or other type under mains pressure, shall be by one of the following means:

- (a) Through a supply tank which shall comply with this Part of this bylaw covering tanks and float valves.
- (b) Through a pressure-reducing valve and non-return valve or a pressure reducing valve which is also a check valve. The pressure-reducing valve and check valve shall be fitted between two isolating stop valves with a bleed valve fitted on the delivery side of the supply isolating stop valve so that the effectiveness of the check valve may be readily determined.
- (c) A mains pressure water heater which contains more than 13.5 litres of hot water under the mains pressure shall be supplied through a check valve installed between two isolating stop valves with a bleed valve fitted on the delivery side of the supply isolating valve so that the effectiveness of the check valve may be readily determined.
- (d) All water heaters shall be adequately protected against damage due to failure of the water supply.

## 17.42 MIXING VALVES

- 17.42.1 No mixing valve in which hot water and cold water are mixed shall be supplied with cold water directly from a supply pipe at mains pressure unless:

- (a) Such valve forms part of an electric or gas water-heater which is not subjected to a working pressure higher than that for which it was designed and the draw-off point is not controlled by a separate stoptap; or
- (b) The supply to the mixing valve is fitted with a check valve as provided for mains pressure water heaters.

17.42.2 Hydraulic lifts, engines, and machinery, where permitted to be supplied with water from the Council's water supply, shall be fitted with such valves, air-chambers or other appliances as may be required by the [Group Manager, Utilities Policy] and such valves, chambers or appliances shall be fitted and maintained to the satisfaction of the [Group Manager, Utilities Policy].

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.43 PROTECTION OF BALLVALVES

17.43.1 Every stoptap, ballvalve or other fitting installed in an exposed position shall be protected against damage by an approved guard and if considered necessary by the [Group Manager, Utilities Policy] shall be fitted in a separate compartment protected by a securely fixed cover.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.44 WATER TROUGH

17.44.1 Every pipe supplying water to a watering trough for animals shall be fitted with a ballvalve or some other effective means of controlling the inflow of water so designed as to prevent overflow and having an air gap as required and specified in this Part of this bylaw and fixed in a separate compartment and protected by a securely fixed cover.

## PREVENTION OF CONTAMINATION

### 17.45 NO CONNECTION TO OTHER SUPPLIES

17.45.1 In any system of piping supplied with water by the Council, no direct connection with any other sources of supply of water shall be made or maintained unless a backflow preventor is installed as provided by the Water Supplies Protection Regulations 1961.

17.45.2 No direct connection shall be made or maintained to any drainage system, drainage or sanitary fitting, or to any fittings or apparatus

including steam boilers used for the reception or conveyance of any liquid, gas, or drawn water.

## **17.46 DRAWN WATER NOT TO BE RETURNED**

17.46.1 No person shall return or allow to return to any main or pipe or any other part of the water supply system of the Council any water drawn from any part of such system.

## **17.47 MINIMUM AIR GAP**

17.47.1 The minimum air gap between the outlet of a water supply pipe or fitting which is directly connected to the Council system and the highest possible water level of the fixture or receptacle into which water is drawn or used shall be twice the diameter of the effective opening of such supply pipe or fitting but in no case shall it be less than 25 millimetres.

## **17.48 PRIMING OF PUMPS**

17.48.1 No pump shall be equipped with a direct connection for priming or other purposes. Priming may be arranged by means of a discharge point and funnel where the discharge point is a minimum of 25 millimetres above the funnel as defined by the air gap.

## **17.49 SUPPLY TO SHIPPING**

17.49.1 Each water supply point available to shipping, including fire connections, shall be equipped with an approved backflow prevention device located to prevent the flow of water from the ship to any supply pipe.

## **17.50 CHECK VALVES IN MULTIPLE SERVICES**

17.50.1 Where a supply of water to premises from more than one point of supply by the Council is permitted and where in the opinion of the [Group Manager, Utilities Policy] they may be interconnected, the supply at each point shall be through a check valve installed between two isolating gate valves with a bleedvalve fitted on the delivery side of the supply isolation valve so that the effectiveness of the check valve may be readily determined.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## **17.51 PROTECTION OF SUPPLY PIPES**

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- 17.51.1 No supply pipe or fitting shall be laid for fixed, through, in, or into any drain, sink, ashpit, or manure pit, nor through, in, or near any place where the water may become liable to be contaminated.

## 17.52 PREVENTION OF BACKFLOW

- 17.52.1 Where in the opinion of the [Group Manager, Utilities Policy] any consumer has a piping system which may be connected or used in such a manner as to be a possible source of contamination of the Council mains, the consumer shall protect the service connection at the point of supply to such property by one of the following backflow preventors as the Engineer may direct:

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

- (a) **AIR GAP SEPARATOR** defined as a physical break between a supply pipe and receiving vessel. The air gap shall be at least double the diameter of the supply pipe, measured vertically above the top rim of the vessel, and in no case less than 25 millimetres. In all cases the piping from the point of supply to the receiving vessel shall be completely visible.
- (b) **DOUBLE CHECK VALVE ASSEMBLY** defined as an assembly of at least two independently acting check valves including gate valves on each side of the check valve assembly and suitable leak-detector drains plus connections available for testing the water tightness of each check valve. The check valve shall seat readily and completely. The face of the closure element and valve seat must be of bronze, composition or other corrosion-resistant material. Pins and brushes shall be of bronze or other corrosion-resistant non-sticking material, machined for dependable operation. The closure element shall be weighted or otherwise made to promote rapid and positive closure.
- (c) **REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE** defined as a device incorporating an automatically operating differential relief valve located between the two check valves, two gatevalves for isolating and the necessary appurtenances for testing. The device shall operate to maintain the pressure in the zone between the two check valves, less than the pressure on the local authority main side of the device. At cessation of normal flow the pressure between check valves shall be less than the supply pressure. In the case of leakage of either check

valve the differential relief valve shall separate to maintain this reduced pressure by discharging to the atmosphere when the inlet pressure is equivalent to 1.4m head of water (14 kPA: imperial 1 lb/in<sup>2</sup>) or less the relief valve shall open to the atmosphere, thereby providing an air gap in the device. The device must be readily accessible for maintenance and testing and installed in a location where no part of the valve will be submerged.

- (d) A vacuum defined as an arrangement of pipes which forms an inverted U extending upwards to a point not less than 10.5 metres above the highest point in the service pipe and in which there cannot be excessive pressure on the property side of the column.

## PREVENTION OF WASTE WATER

### 17.53 WASTE AND IMPROPER USE TO BE PREVENTED

- 17.53.1 No person shall use, or permit or suffer to be used, the water supply obtained through the Council's waterworks system improperly or to an unreasonable extent or in a wasteful manner, or otherwise in any manner contrary to the provisions of this Part of this bylaw.

### 17.54 OVERFLOW PIPES

- 17.54.1 Overflow pipes from water-using fittings shall be arranged to discharge into the open air in an approved conspicuous position or other approved point of discharge.

### 17.55 FITTINGS TO BE IN GOOD REPAIR

- 17.55.1 No person shall allow any pipe, tap, or other fitting on the premises connected with the water supply to be out of repair or in any way defective so that water is wasted, misused, or contaminated, or water hammer is caused.

### 17.56 DEFICIENT PIPES

- 17.56.1 Where, in the opinion of the [Group Manager, Utilities Policy], any pipe, cock, appliance, or fitting in connection with any water service of any premises has deteriorated, or is of inferior quality or workmanship, or is causing or is likely to cause waste of water, or is insufficient for the proper supply of water, it shall be lawful for the [Group Manager, Utilities Policy] to give to the owner or occupier of such premises notice in writing requiring the owner or

occupier to carry out such works as shall be specified in that behalf in such notice, and failure by such owner or occupier to comply with the requirements of such notice within the time specified therein shall be an offence against the Part of this bylaw.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.57 EXISTING PIPES AND FITTINGS

- 17.57.1 Any existing pipes or fittings in any premises connected to the Council water supply at the date of this Part of this bylaw or in any property which may subsequently be connected to the water supply may remain in use provided upon inspection by the [Group Manager, Utilities Policy] they are found to be satisfactory.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.58 HOSES

- 17.58.1 Hoses shall be under the immediate personal care of some competent person at all times whence in operation.
- 17.58.2 Garden hosing, limited to one hose per household, is permitted at any time provided the hose is held in the hand.

[Either one automatic watering device or one fixed hose per household may be used on alternate days between the hours of 6:00am and 8:00am and 7:00pm and 9:00pm as follows:]

Clause amended by Confirmation of Special Order 145/99 formerly read: "Either one automatic watering device or one fixed hose per household may be used on alternate days between the hours of 6.00am and 8.00am and 6.00pm and 8.00pm. as follows:"

[Even number houses on even days of the month, odd numbered houses on odd days of the month for the period of Daylight Savings Time; provided that in no circumstances the water is wastefully used.]

Clause amended by Confirmation of Special Order 145/99 formerly read: "Even numbered houses on even days of the month, odd numbered houses on odd days of the month; provided that in no circumstances the water is wastefully used."

- 17.58.3 [The garden hosing restrictions contained in clause 17.58.2 shall not apply to households that have installed an authorised water meter provided that nothing in this clause shall exempt the persons of a household which has a water meter installed from complying with the provisions of clause 17.53.1 of this bylaw which requires waste and improper use of water to be prevented or shall exempt them from any other part of this bylaw.]

Added by Confirmation of Special Order 26/99.

## 17.59 SPRINKLERS

- 17.59.1 Sprinklers or unattended hoses may only be used when authorised by resolution of the Council and then only during the periods determined in the resolution and subject to such sprinklers or unattended hoses being under the immediate personal care of some competent person at all times when in operation.

## 17.60 WATER USED FOR COOLING

- 17.60.1 No person shall install or use a plant which draws water from the public supply for cooling purposes without the written permission of the Council, when written permission is granted it shall be subject to the installation and maintenance of approved water conservation equipment. Such equipment shall include approved provision for the water flow drawn from the public supply to be automatically stopped when no water is required and automatically reduced when a reduced flow will suffice and for the water flow drawn to be visible. The use of water from the public supply for cooling purposes in residential airconditioning plant including plant for houses, flats, town houses and apartments, is prohibited. Such water conservation equipment shall unless specially permitted otherwise by the [Group Manager, Utilities Policy] in writing, include recirculating equipment with the consumption of water from the public supply limited to that required to make up reasonable losses due to evaporation, wind, flushing and similar effects.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.61 RESTRICTIONS ON THE USE OF WATER

- 17.61.1 The Council may in an emergency arising from drought or any other cause whatsoever discontinue all or any extraordinary supply of water to persons otherwise entitled to receive it after public notice of its intention to do so has been inserted in a newspaper published in the District. Such notice shall specify the type or types of extraordinary supply proposed to be discontinued and the time at which discontinuance shall come into effect.

## METERS

### 17.62 INSTALLATION OF METERS

- 17.62.1 When a supply of water is required by the Council to be metered, the meter will be supplied and installed by the Council. The

property owner shall pay all costs associated with supply and installation of the meter and service pipe to the Council mains.

- 17.62.2 Without the prior written authority of the [Group Manager, Utilities Policy] no branch fitting whatsoever shall be connected to the service pipe between the main and the meter.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

- 17.62.3 Approved high pressure isolating valves shall be fixed on either side of the meter, one valve by the Council, the other by the consumer.

## 17.63 PROTECTION OF METERS

- 17.63.1 Where required by the [Group Manager, Utilities Policy] the consumer shall:

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

- (a) Provide an approved site within the premises for the meter;
- (b) Take sufficient precaution to protect the meter from damage at all times;
- (c) Enclose the meter in a suitable box or other enclosure and shall in cases where natural support is absent provide suitable wall brackets or other support; and
- (d) Ensure that the meter shall be readily accessible at all times.

- 17.63.2 The Council may recover from the consumer the full cost of locating, repairing, or replacing any meter on the consumer's supply, found buried or damaged.

## 17.64 TESTING OF METERS

- 17.64.1 Should a consumer dispute the accuracy of a meter he or she may apply to the [Group Manager, Utilities Policy] to have the meter tested and if it is found to be over-reading there will be no charge for the test. If the meter is correct or under-reading the consumer shall pay to the Council the cost of replacing the meter, in addition to the testing fee.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

- 17.64.2 Should any meter which is owned by the consumer be out of repair, or cease to register, or register inaccurately, the consumer, on receiving written notice to that effect, shall forthwith have the meter put in order, shall forward the meter to the Council's workshop to be tested, and shall obtain from the [Group Manager, Utilities Policy] a certificate of its accuracy before refixing the same and shall pay for such testing. All costs incurred in removal, repairs, and re-installation shall be borne by the consumer.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.65 METHOD OF TESTING METERS

- 17.65.1 All tests of meters shall be made at the Council's workshop. The test will be made by running a measured quantity of not less than 2000 litres through the meter and the meter shall be deemed to be correct if it registers within four (4) percent either less or more than the measured quantity. In addition, the meter shall be capable of registering small flows from two (2) percent of normal flow and upward; the consumer shall have the right of witnessing the test.

## 17.66 FEE FOR TESTING

- 17.66.1 The fee to be paid for testing a meter under the foregoing provision shall be as set by resolution of the Council (from time to time) and publicly notified.

## 17.67 METER ACCOUNT ADJUSTED

- 17.67.1 Should any meter after being tested be found to be reading incorrectly the [Group Manager, Utilities Policy] shall make an adjustment in accordance with the results of such test after due allowance for permissible tolerances, and the consumer shall pay accordingly for such adjustment.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.68 METER TAMPERED WITH

- 17.68.1 Should any meter have its seal or dial broken or appear to the [Group Manager, Utilities Policy] to have been tampered with, the [Group Manager, Utilities Policy] may declare the reading void and estimate the consumption in any manner considered fit, and the consumer shall pay according to such estimate, and may be required also to pay for the repair to the meter and for all attendant charges.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## 17.69 ESTIMATING CONSUMPTION WHEN METER OUT OF REPAIR

- 17.69.1 Should any meter be out of repair or cease to register (except as in clause 17.68.1 above) the [Group Manager, Utilities Manager] or other authorised officer of the Council shall estimate the consumption for the period since the previous reading of such meter (based on the average of the previous four periods charged to the consumer), which decision shall be final, and such consumer shall pay according to such decision:

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

Provided that when, by reason of large variation of consumption due to seasonable or other causes, the average of the previous four periods would be an unreasonable estimate of the consumption, the [Group Manager, Utilities Policy] or other authorised officer of the Council shall be entitled to take into consideration other evidence for the purpose of arriving at a reasonable estimate, and such decision shall be final, and the consumer shall pay according to such decision.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

## CHARGES

### 17.70 CHARGES FOR SERVICE PIPES ETC

- 17.70.1 The charges payable by the consumer for tapping the main pipe and for laying the service pipe, installing a meter, testing a meter where required, keeping such pipe and meter in repair and renewing when necessary, disconnection and reconnection where required, and road restoration shall be of such amount as may from time to time be determined by resolution of the Council and publicly notified or as may be agreed on with any person receiving that supply.

### 17.71 CHARGES ON ORDINARY SUPPLY

- 17.71.1 Charges for an ordinary supply of water shall be either by water rates, or uniform annual charges, or a charge fixed in accordance with the quantity of water consumed as determined or varied from time to time by resolution of the Council.

### 17.72 CHARGES FOR EXTRAORDINARY SUPPLY

- 17.72.1 Charges for an extraordinary supply of water (whether according to the quantity consumed or otherwise) shall be such amounts as
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may from time to time be fixed by resolution of the Council in that behalf, publicly notified, or as may be agreed on with any person receiving that supply; minimum charges for such extraordinary supply may likewise be specified in the said resolution or agreement.

## **17.73 READING OF METERS AND ACCOUNTS**

17.73.1 Meters will be read and accounts rendered at such intervals as the Council may from time to time decide.

17.73.2 Fees specified by Council will include:

- (a) Meter re-read fee
- (b) Meter test fee
- (c) Backflow Preventor fee
- (d) Turning on fee
- (e) Swimming pool fees
- (f) Fire-fighting connection (unmetered)
- (g) Meter installation and Meter Fee
- (h) Fire Hydrant Permit fee

## **17.74 WATER SUPPLIED BY STANDPIPE**

17.74.1 Where a supply of water is given by means of a standpipe, the applicant will be responsible for the full cost of any subsequent repairs found necessary following the use of such standpipe. Water used shall be paid for at normal rates for extraordinary supply or as determined by prior agreement. The consumer shall also pay such hire charges as required by the Council in the event of using a Council standpipe.

## **17.75 METER SUPPLY TO NON RATEABLE PROPERTIES**

17.75.1 The charges for water supplied to a non-rateable property in the district shall be by meter of such amounts as may from time to time be fixed by resolution of the Council in that behalf, publicly notified, or as may be agreed on with any person receiving that supply; minimum charges for such extraordinary supply may likewise be specified in the said resolution or agreement.

## **17.76 WATER CHARGE AT ANNUAL CHARGE**

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- 17.76.1 When an extraordinary supply of water is granted to a consumer for any purpose at any annual charge, it shall be lawful for the Council if it thinks fit, to affix a meter to such supply, and the charge shall be determined by the provisions of this Part of this bylaw relating to the purpose for which the water is being used.

## 17.77 SUPPLIES TO LOCAL AUTHORITIES

- 17.77.1 Except where otherwise arranged by contract, the charges to be made to other local authorities for water supplied into mains laid by such authorities in their own districts shall be of such amounts as may from time to time be fixed by resolution of the Council, publicly notified, or as may be agreed on with any local authority receiving that supply; minimum charges for such supply may likewise be specified in the said resolution or agreement.

## 17.78 WATER FOR EXTINGUISHING FIRES

- 17.78.1 Unmetered connections which may be provided for fire protection systems shall be used for no other purpose and shall be independent of any other service connection to the property.

- 17.78.2 In any case in which, in the opinion of the [Group Manager, Utilities Policy], a fire connection is so constructed or so located that it is likely that water will be drawn from it or from any part of it by any person for purposes other than fire fighting, the [Group Manager, Utilities Policy] may cause a water meter to be installed on such fire service or on such part. In every such case whenever water has been used for fire fighting purposes, the [Group Manager, Utilities Policy] shall estimate the quantity of water so used and a sum based on such estimate at the appropriate charge rate, shall be allowed against the cost of such amount of water charged to the owner's account.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

- 17.78.3 A fire sprinkler system shall be constructed and installed and thereafter maintained in good order to the satisfaction of the [Group Manager, Utilities Policy], and shall be designed and fixed so that water cannot be drawn therefrom for any other purpose.

All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.

- 17.78.4 In the case of premises outside the District, a connection for a sprinkler system may be provided from a local authority main, with the prior consent of the Council.

- 17.78.5 Hose reels used solely for fire protection purposes may be installed only under conditions prescribed by the [Group Manager, Utilities Policy].  
All references to "Director of Works" were repealed and replaced with "Group Manager, Utilities Policy" by Confirmation of Special Order 62/98.
- 17.78.6 The cost of making, repairing, and renewing the connection from the main to the consumer's premises shall be paid and borne by the consumer.
- 17.78.7 An annual licence fee of such amount fixed by resolution of the Council shall be paid by the consumer to the Council in respect of such installation.
- 17.78.8 Water used for the purpose of extinguishing fires will not be charged for.

## **SUPPLY OUTSIDE THE DISTRICT**

### **17.79 APPLICATION OF BYLAW**

- 17.79.1 Where the Council with the consent of the local authority of the area in which the supply is given supplies any person outside the District with water then for that purpose all the provisions of the Local Government Act 1974 relating to water works, and all the provisions of this Part of this bylaw shall apply equally to all places, persons and things outside the District as they apply to the same within the District.

### **17.80 PROTECTION OF WATER SUPPLY AND OTHER PROPERTY**

- 17.80.1 No person shall permit or cause any injury to any part of the water works, pipes, hydrants, valves, stopcocks, or appliances, whatever or permit or cause any displacement of the ground in which the same are laid, and the Council may cause any such displacement or damage arising therefrom to be made good and recover the full replacement cost thereof from the person doing or causing such injury or displacement before any Court of competent jurisdiction in any controlled catchment area or uncontrolled catchment area, or in any part of the waterworks prior to the withdrawal of water therefrom by some pipe lawfully connected therewith.