

SUMMARY:

The Plumbing Regulation Bylaw sets out the permits and inspections required when constructing, altering or repairing plumbing systems within City limits. It also sets out standards for site drainage, water service lines, installation of plumbing fixtures and the installation of water meters.

This bylaw is a 'consolidated' version and includes amendments up to the date listed in the bylaw heading. It is placed on the Internet for convenience only, is not the official or legal version, and should not be used in place of certified copies which can be obtained through the Office of the City Clerk at City Hall. Plans, pictures, other graphics or text in the legal version may be missing or altered in this electronic version.

CITY OF KELOWNA
BYLAW NO. 5968-87
REVISED: November 28, 2011

CONSOLIDATED FOR CONVENIENCE TO INCLUDE BYLAW NOS. 7220, 7328, 7839, 7895, 8071, 8191 and 10631
--

PLUMBING REGULATION BYLAW

**A bylaw to provide for the administration and enforcement of the
Plumbing Code**

The Municipal Council of the City of Kelowna, in open meeting assembled, enacts as follows:

PART 1 - SHORT TITLE

1. This bylaw may be cited for all purposes as the "Kelowna Plumbing Regulation Bylaw No. 5968-87".

PART 2 - DEFINITIONS

BL10631 amended this section:

- 2.1 Definitions of words and phrases that are not included in the definitions in this section shall have the meaning assigned to them in the **Plumbing Code**.

"Agent" includes a **person**, firm or corporation representing the **owner**, including hired tradesmen and contractors.

BL10631 deleted definition for Manager of Inspection Services and added the following:

"Building & Permitting Branch Manager" shall be the **person** authorized by **Council** to administer this bylaw and includes:

- (a) every inspector appointed for the administration of this bylaw; or
- (b) designate, or
- (c) as appointed by Council.

"City" means the City of Kelowna.

"Council" means the City Council of the City of Kelowna.

BL10631 added the following:

"Homeowner" means the registered owner of a single family dwelling and applicants' primary residence

"Owner" includes any servant, employee, **agent**, licensee, contractor or sub-contractor of the **owner**.

"**Plumbing Code**" means any regulation with respect to plumbing made by the Lieutenant Governor in Council under Section 740 of the Municipal Act.

"**Person**" means and includes any Corporation, partnership, association, society or party.

BL 7328 added the following definition:

"**New User**" means any use made through a new connection to any water system after the adoption of Bylaw 7328, Amendment No. 2 to Kelowna Plumbing Regulation Bylaw No. 5968-87.

PART 3 - PROHIBITIONS

BL10631 amended the following:

3.1 No **person** shall construct, alter, renew or repair a plumbing system unless he holds a valid and subsisting permit authorizing such work by the **Building and Permitting Branch Manager**.

BL10631 amended the following:

3.2 No **person** shall, unless authorized by the **Building and Permitting Branch Manager**, reverse, alter, deface, cover, remove, or in any way tamper with any notice or certificate posted on or fixed to any building or plumbing system, pursuant to any of the provisions of this bylaw.

BL10631 amended the following:

3.3 No **person** shall do any work that is at variance with the description, plans and specifications for the plumbing system, work or thing for which a permit has been issued, unless such change has first been approved in writing by the **Building and Permitting Branch Manager**.

BL10631 amended the following:

3.4 No **person** shall interfere with, or obstruct the entry of the **Building and Permitting Branch Manager** onto land or premises as authorized by the provisions of this bylaw.

BL10631 amended the following:

3.5 No **person** shall continue to do any work upon a plumbing system, or any portion thereof after the **Building and Permitting Branch Manager** has ordered cessation of work thereon.

3.6 No **person** shall cause, suffer or permit the disposal of sewage, human excrement, or liquid wastes in any place or manner, except through and by means of an approved system.

BL10631 amended the following:

3.7 No device or material that is not a part of a plumbing system shall be attached to a plumbing system without the approval of the **Building and Permitting Branch Manager**.

3.8 No **person** shall affix or install a household garbage grinder, garbage disposal unit or garburator of any nature or kind to any plumbing system so that the waste therefrom is discharged into the sanitary sewer system.

BL 7328 added Sub-Section 3.9:

3.9 It shall be unlawful to connect to, divert, or in any way use water from the service provided by the **City** or any other supplier of water within the **City**, from any point or location prior to the water meter or the location designated for a future water meter.

PART 4 - POWERS OF MANAGER OF INSPECTION SERVICES

BL10631 amended the following:

The **Building and Permitting Branch Manager** is hereby empowered to:

- 4.1 Administer this bylaw.
- 4.2 Keep records of any application received, permits and orders issued, inspection and tests made, and shall retain copies of all papers and documents connected with the administration of this bylaw.
- 4.3 Take such action as he may deem necessary in order to establish whether any method of installation or material used in the installation of any plumbing system conforms with the requirements and provisions of the **Plumbing Code**.
- 4.4 Enter at all reasonable times, upon any property, in order to ascertain whether the provisions of this bylaw are being obeyed.
- 4.5 Order the correction of any work which is being or has been improperly done under this bylaw or any permit issued pursuant to this bylaw.
- 4.6 Order the cessation of work that is proceeding in contravention of this bylaw or any permit issued pursuant to this bylaw.

PART 5 - ISSUANCE OF PERMIT

BL10631 amended the following:

- 5.1 The **Building and Permitting Branch Manager** shall issue a permit for which the application is made where:
 - (a) the proposed work set out in the application conforms with this bylaw and all other applicable bylaws; and
 - (b) the applicant has paid to the City of Kelowna the fee prescribed for a permit, as set out in Appendix "A" attached hereto and forming part of this bylaw.
- 5.2 No permit shall be required for the clearing of stoppage or repairing of leaks in pipes, valves or fixtures, when such repairs do not involve or require the replacement or re-arrangement of valves, pipes or fixtures or hot water tanks.

PART 6 - PERMIT CONDITIONS

- 6.1 Every permit is issued upon the following conditions:
 - (a) that the work is to be started within six months from the date of issuing the permit;
 - (b) that the work is not to be discontinued or suspended for a period of more than one year; and
 - (c) that the permit shall lapse in the event that either condition described in 6.1(a) and 6.1(b) are not met.

PART 7 - CONTENTS OF PERMIT APPLICATION

The application shall:

BL10631 amended the following:

- 7.1 (a) be made in the form prescribed by the **Building and Permitting Branch Manager**;
- (b) be signed by the **owner** or his **agent**;
- (c) state the number of fixtures to be installed in the building;
- (d) state the length of building sewer, building storm sewer, and water service pipe;
- (e) include specifications and suitable drawings made to a scale of not less than 1:100, for the plumbing system with respect to multi-family dwellings, institutional, commercial and industrial buildings showing:
- (i) site services, size and location of pipes;
 - (ii) site drainage, size and location of pipes, catch basins and dry wells;
 - (iii) total fixture load on sanitary sewer and water supply systems;
 - (iv) sanitary riser diagram complete with fixture loads at the base of stacks;
 - (v) rain water leaders, size of pipe and area of roof drained.
- (f) contain any and all other information necessary to establish compliance with this bylaw;

BL10631 amended the following:

- (g) include mechanical drawings designed by an Engineer registered in the Province of British Columbia for institutional buildings, buildings over three storeys in height, and buildings with complex plumbing systems as determined by the **Building and Permitting Branch Manager**.

PART 8 - REVOCATION OF PERMIT

BL10631 amended the following:

- 8.1 The **Building and Permitting Branch Manager** may revoke a permit where there is a violation of:
- (a) any condition under which the permit was issued; or
 - (b) any provision of the **Plumbing Code**.

PART 9 - RESPONSIBILITY OF OWNER

- 9.1 The **owner** shall be solely responsible to carry out all work for which a plumbing permit has been issued to the standards required by all applicable bylaws of the City and laws and regulations of the Province of British Columbia and the Dominion of Canada.

BL10631 amended the following:

The **owner** is not relieved of this responsibility on the basis that the **Building and Permitting Branch Manager** has granted a permit, approved the drawings and specifications or conducted inspections and approved the work.

- 9.2 Any owner of property for which a permit is issued under this bylaw shall be responsible for the cost of repair of any damage to City works or property that occurs as a result of any work covered by the permit.

PART 10 - DUTIES OF THE OWNER

10.1 Every owner of property shall:

BL10631 amended the following:

- (a) permit the **Building and Permitting Branch Manager** to enter any building or premises at any reasonable time for the purpose of administering or enforcing this bylaw;

BL10631 amended the following:

- (b) obtain where applicable from the **Building and Permitting Branch Manager** permits relating to sewer, water, fire protection, site drainage and plumbing, and all other permits required in connection with the proposed work prior to the commencement of such work;

BL10631 amended the following:

- (c) obtain, by giving the **Building and Permitting Branch Manager** at least 24 hours notice, an inspection of the works at each of the following stages of construction:

- (i) when any roughing-in is ready for inspection with all work left uncovered and convenient for examination. No notice shall be sent for any inspection until the work is entirely ready for such inspection. If the work is not ready, or improperly installed or not done in a workmanlike manner, a re-inspection fee shall be required as set out in Appendix "A" of this bylaw.
- (ii) when the plumbing system is complete with all fixtures installed, prior to the system being put into use.

PART 11 - SITE DRAINAGE

BL10631 amended the following:

11.1 Site drainage shall be connected to an on-site storm sewer system of catch basins, manholes, drywells and/or perforated pipe. Where a public storm sewer is available, an overflow from the on-site disposal system may be permitted subject to the approval of the Director of Development Services. Except for single family residential and two family residential, the catch basins, perforated pipe and drywells shall be constructed and installed as shown on the City of Kelowna standard drawing numbers D-614-1, STD-409, STD-406 and STD-405 attached hereto and forming part of this bylaw as Appendices "B", "C", "D" and "E".

BL10631 amended the following:

11.2 Except for single family residential and two family residential, the **Building and Permitting Branch Manager** may require the drainage system to be designed by a professional engineer registered in the Province of British Columbia where:

- (a) the perforated pipe field system is proposed;
- (b) the roof and paved areas exceed 2000 m²; or
- (c) the soil has a low permeability.

- 11.3 The minimum clearance between the pavement and the top of pipe connecting catch basins to drywells shall be as follows:

Poly (vinyl chloride)	0.9 m
Asbestos Cement	0.8 m
Concrete	0.6 m

The discharge pipe shall not be perforated for the first 3 m from the catch basin and shall be sealed tight at the catch basin wall.

BL 7328 replaced the title of Part 12:
PART 12 - WATER SERVICE LINES

- 12.1 Except as provided in Section 12.2, all water pipes installed underground shall be laid at a minimum depth of 1.2 m.
- 12.2 Water pipes installed under driveways and compacted areas, where a greater frost depth will occur, shall be laid at a minimum depth of 1.5 m.

BL 7328 added and BL 7839 and BL7895 replaced Sub-Section 12.3:

- 12.3 (a) Every new user of water supplied by the City, and every new user of the City's sanitary sewer system, except single family and two-family residences, must have installed at their cost (as established in Schedule 'A' - Water Meter Fee Schedule of "Water Regulation Bylaw, 1960, No. 2173" as amended or replaced from time to time) the proper valves, fittings, water meter, remote recording device and connecting cable as established in Appendix 'F' - Water Metering Requirements, attached to and forming part of this bylaw.
- (b) Every new user of water supplied by any other water supplier in the City of Kelowna shall install at their cost the proper valves and fittings to accommodate a future water meter as described in Appendix 'F' - Water Metering Requirements, attached to and forming part of this bylaw.

BL 7328 added PART 13 - FIXTURES, BL10631 Deleted PART 13 - FIXTURES in its entirety.

BL 8071 added Part 14, and re-numbered the subsequent sections:
PART 14 - DISPOSITION OF DECOMMISSIONED SEPTIC TANKS

- 14.1 When existing buildings are connected to a public sanitary sewer system, the decommissioned septic tank and drywells shall be pumped out and filled with sand or gravel.
- 14.2 The decommissioned tanks, drywells and/or fields, shall not be used as a sub-drainage system for storm water.

PART 15 - PENALTIES

- 15.1 Every person who violates or allows to be violated any provisions of this bylaw shall be guilty of an offense against this bylaw, and each day during which such violation occurs or is allowed to continue shall constitute a separate offense.
- 15.2 Every person guilty of an offense against this bylaw shall be liable under summary conviction to a penalty not less than \$100.00 for each offense but not to exceed \$2,000.00 for each offense.

PART 16 - REPEAL

16.1 The "Kelowna Plumbing Regulation Bylaw No. 5196-81" is hereby repealed.

PART 17 - EFFECTIVE DATE OF BYLAW

17.1 Kelowna Plumbing Regulation Bylaw No. 5968-87 shall be effective January 1, 1988.

BL 8191 added Part 18:

PART 18 - ENACTMENTS

18.1 Any enactment referred to herein is a reference to an enactment of British Columbia and regulations thereto, as amended, revised, consolidated or replaced from time to time, and any bylaw referred to herein is a referenced to an enactment of the **Council** of the City of Kelowna as amended, revised, consolidated or replaced from time to time.

Read a first time by the Municipal Council this 17th day of November, 1987.

Read a second time by the Municipal Council this 17th day of November, 1987.

Read a third time by the Municipal Council this 17th day of November, 1987.

Reconsidered, finally passed and adopted by the Municipal Council of the City of Kelowna this 1st day of December, 1987.

"J.H. Stuart"

Mayor

"R.A. Beauchamp"

City Clerk

BL 7220 and BL10631 replaced Appendix A:

APPENDIX "A"

**CITY OF KELOWNA PLUMBING REGULATION BYLAW NO. 5968-87
SCHEDULE OF FEES**

PLUMBING AND SITING SERVICES

Minimum Permit Fee (includes first 2 fixtures)	\$60.00
<u>Plumbing Fixtures (including Water Tanks)</u>	
Rough-in and/or set	\$20.00
<u>Interceptors</u>	
For each sump, oil or grease interceptor, trench drain within the building	\$20.00
<u>Backflow Prevention</u>	
For each backflow prevention device	\$75.00
<u>Alteration Work</u>	
For the installation or alteration of any plumbing pipe or rainwater leader where no fixtures are added:	
- the first 30 m of piping or portion thereof	\$60.00
- each additional 30 m of piping or portion thereof	\$20.00
<u>Site Piping</u>	
(a) For the installation or alteration of miscellaneous site works, storm sewer, sanitary sewer, irrigation lines, domestic water lines:	
- the first 30 m of piping or portion thereof	\$60.00
- each additional 30 m of piping or portion thereof	\$20.00
(b) Each catch basin, drywell and sump	\$20.00
(c) Residential water, storm and or sewer installation	\$60.00

Site Fire Protection

(a) First 30 m of underground fire lines or portion thereof	\$60.00
-each additional 30 m of fire lines or portion thereof	\$30.00
(c) Each fire hydrant on private property	\$30.00

Building Fire Protection

(a) For the first sprinkler head	\$55.00
(b) For each additional sprinkler head	\$ 2.00
(c) Each siamese connection	\$20.00
(d) Each hose cabinet, wet/dry standpipe and outlet	\$20.00
(e) Each wet/dry standpipe and outlet	\$20.00
(f) Fire extinguishing systems over commercial cooking appliances and spray booths	\$75.00

Re-Inspection

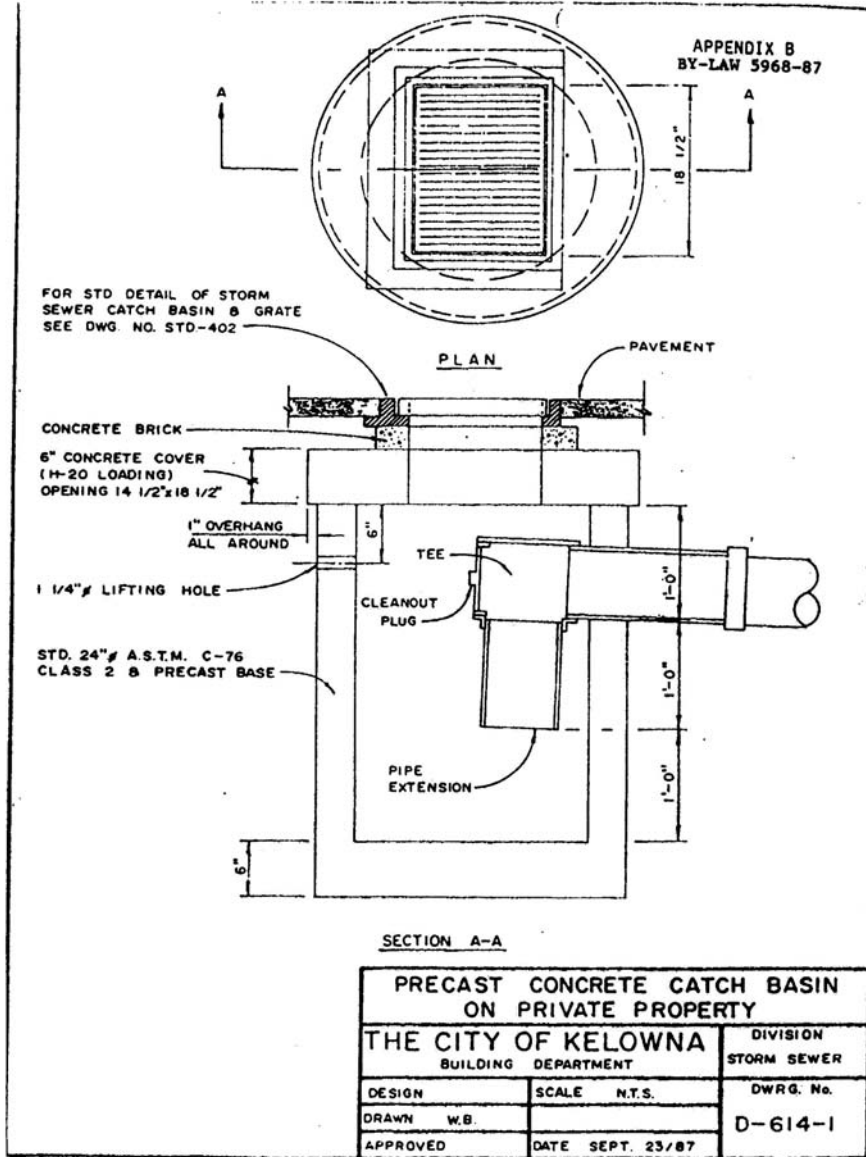
Where due to non-compliance with the provisions of Part 7 of the British Columbia Building Code, unsatisfactory workmanship or work not ready when inspection called for, or more than two inspections are necessary, then each inspection after the second inspection	\$150.00
---	----------

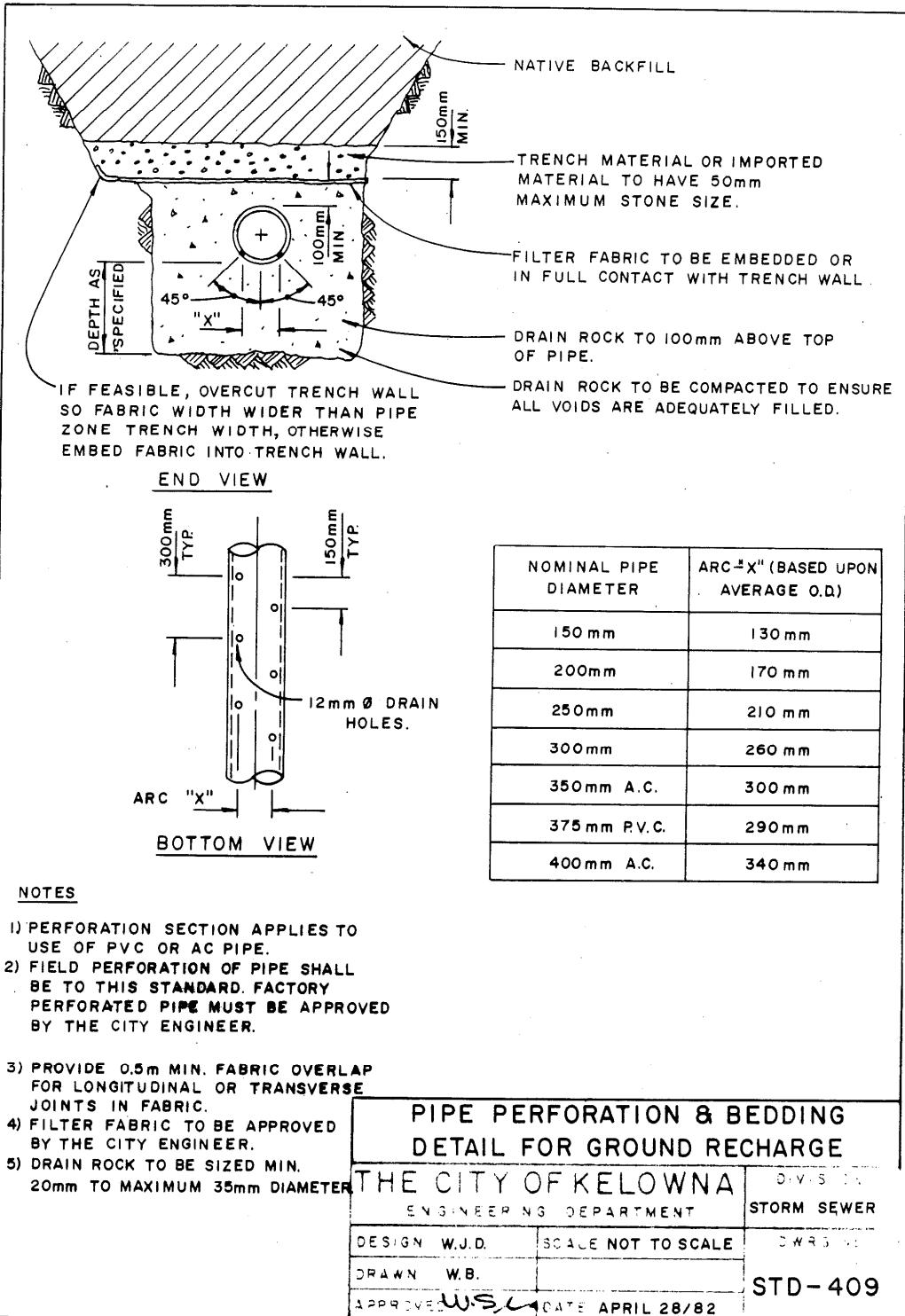
Work Commenced Prior to Issuance of Permit

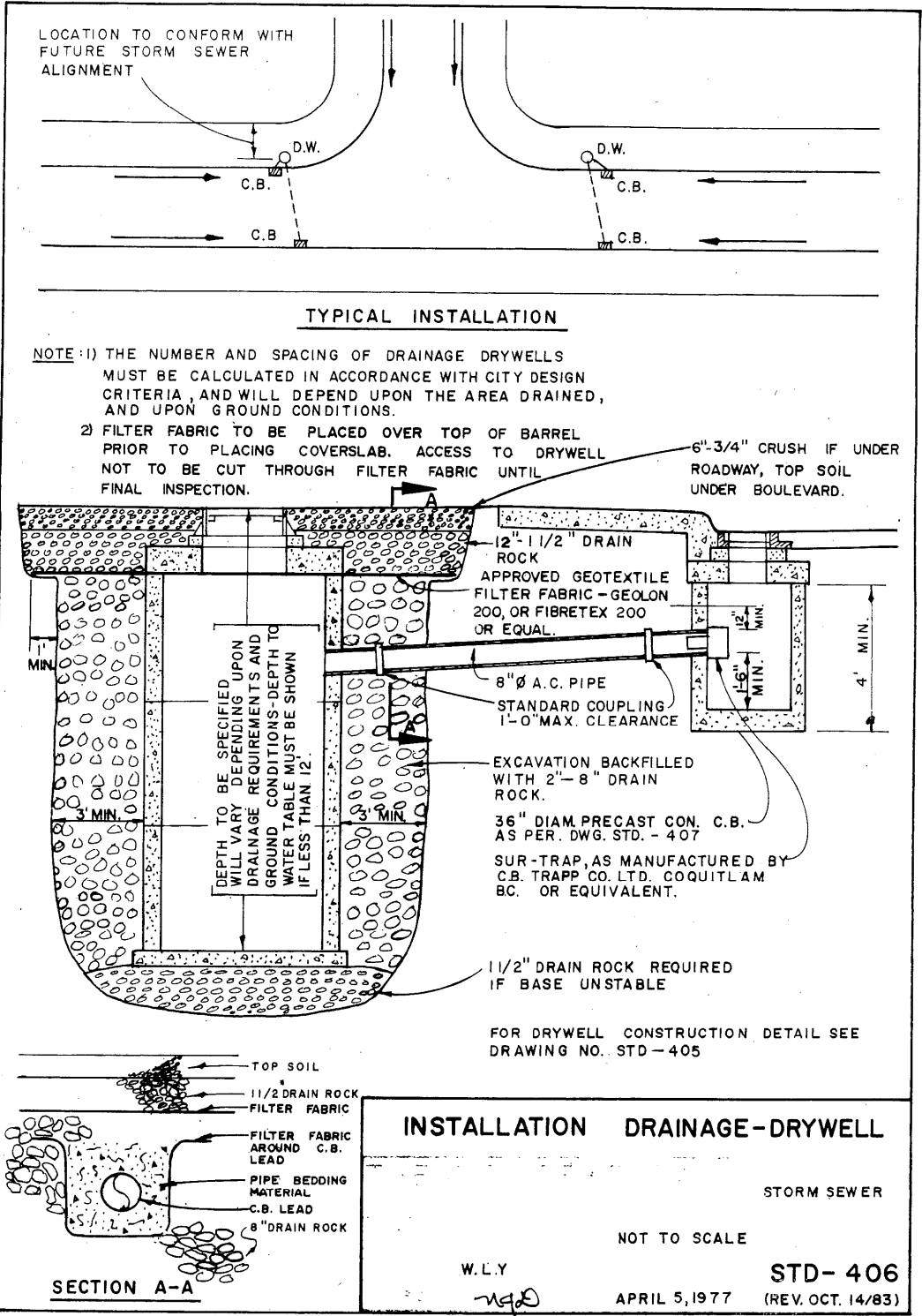
If any work for which a permit is required by this bylaw has been commenced before a permit has been issued by the **Building and Permitting Branch Manager** the **owner** of the real property on which the work is being done shall, in addition to any other penalties prescribed by this or any other bylaw, pay the **City** double the fee prescribed herein, provided however, that the maximum additional fee shall not exceed Five Hundred and Fifty Dollars (\$550.00).

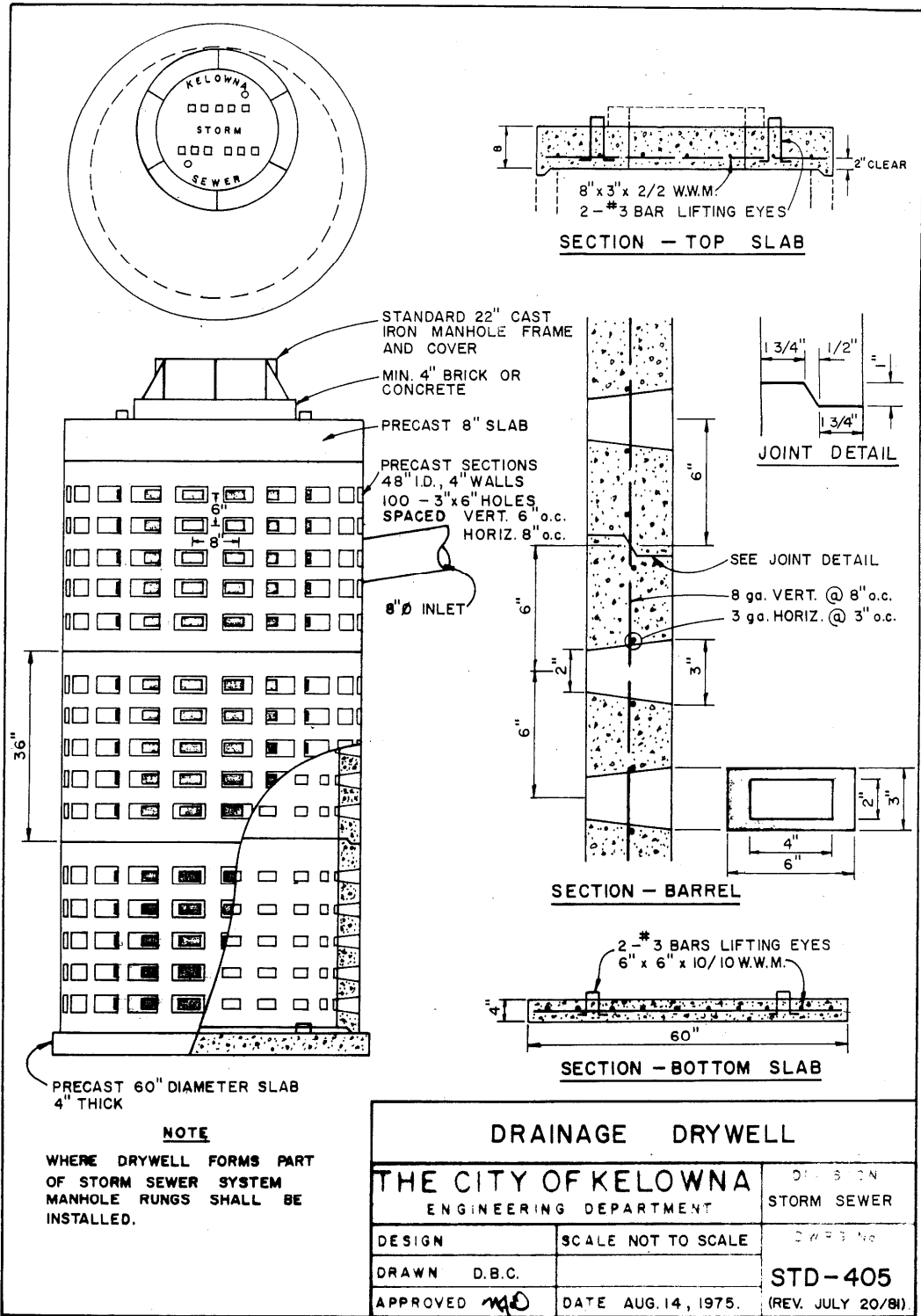
Permit Fee Refund

Where work has not commenced in the specified time as stated in Part 6 of this bylaw, the permit fee less the greater of \$30.00 or 25% of the permit fee may be refunded on presentation of the original receipt to the **Building and Permitting Branch Manager**.









DRAINAGE DRYWELL	
THE CITY OF KELOWNA	
ENGINEERING DEPARTMENT	DIVISION STORM SEWER
DESIGN	SCALE NOT TO SCALE
DRAWN D.B.C.	
APPROVED <i>[Signature]</i>	DATE AUG. 14, 1975.
STD-405 (REV. JULY 20/81)	

BL7839 added Appendix F:

APPENDIX F

WATER METERING REQUIREMENTS

The following short form specifications stipulate the piping, fittings and appurtenances required to service all buildings constructed within the corporate limits of the City of Kelowna.

1.0 GENERAL REQUIREMENTS (All Uses):

- 1.1 The service line to the dwelling shall be continuous from the main in the street to the meter location in the building, without diversion for any use such as irrigation or any other such use. Service lines must run in a reasonably perpendicular manner to the street and shall not run longitudinally in front of a parcel or lot. Service pipe material shall conform to Section 2 of the B.C. Plumbing Code.

2.0 SPECIFIC REQUIREMENTS FOR WATER METERS - WATER DISTRICTS

2.1 District Requirements

2.1.1 City of Kelowna Water Distribution Area

Installation must conform to the Water Regulation Bylaw, 1960, No. 2173.

2.1.2 Rutland Waterworks District (RWD)

In addition to the requirements listed in Section 2.1.1, owners must conform to the requirements and regulations of RWD bylaws.

2.1.3 South East Kelowna Irrigation District (SEKID)

In addition to the requirements of Section 2.1.1, owners must conform to SEKID bylaws.

2.1.4 Glenmore-Elison Improvement District (GEID)

In addition to the requirements listed in Section 2.1.1, owners must conform to the GEID bylaws.

2.1.5 Black Mountain Irrigation District (BMID)

In addition to the requirements listed in Section 2.1.1, the owner must conform to the applicable BMID bylaws.

BL 7895 replaced Section 2.2:

2.2 Single and Two-Family Residential Dwellings

- 2.2.1 Every service line shall be equipped with an easily accessible full port ball valve called the building shut-off installed at a distance of not greater than 1 m from the service entry.

The service entry must be located in a crawl space, basement or ground floor location that will remain accessible, for meter installation and meter servicing.

- 2.2.2 Immediately downstream of the building shut-off is the required location of the water meter. To accommodate a water meter, the plumbing shall be installed to accommodate a meter in an easily accessible and horizontal position. This may be achieved by the installation of a section of copper pipe 19 mm in diameter and a minimum of 325 mm long in a horizontal plane immediately downstream of the building shut-off valve. Immediately downstream of this section of copper pipe shall be installed a full port ball valve called the meter isolation valve. See City of Kelowna Meter Standard Drawing STD 309 (standard layout for residential meter installation) attached to and forming part of this bylaw.
- 2.2.3 The water meter will be installed within the 325 mm horizontal space by the City or its authorized agents.
- 2.2.4 Every water meter installation must include the installation of a remote encoder receptacle fastened on a wall within 1.0 lineal metres horizontally of the electric power meter. The remote encoder receptacle and connecting signal transmission cable will be installed by the City or its authorized agent.

BL 7895 replaced Section 2.3:

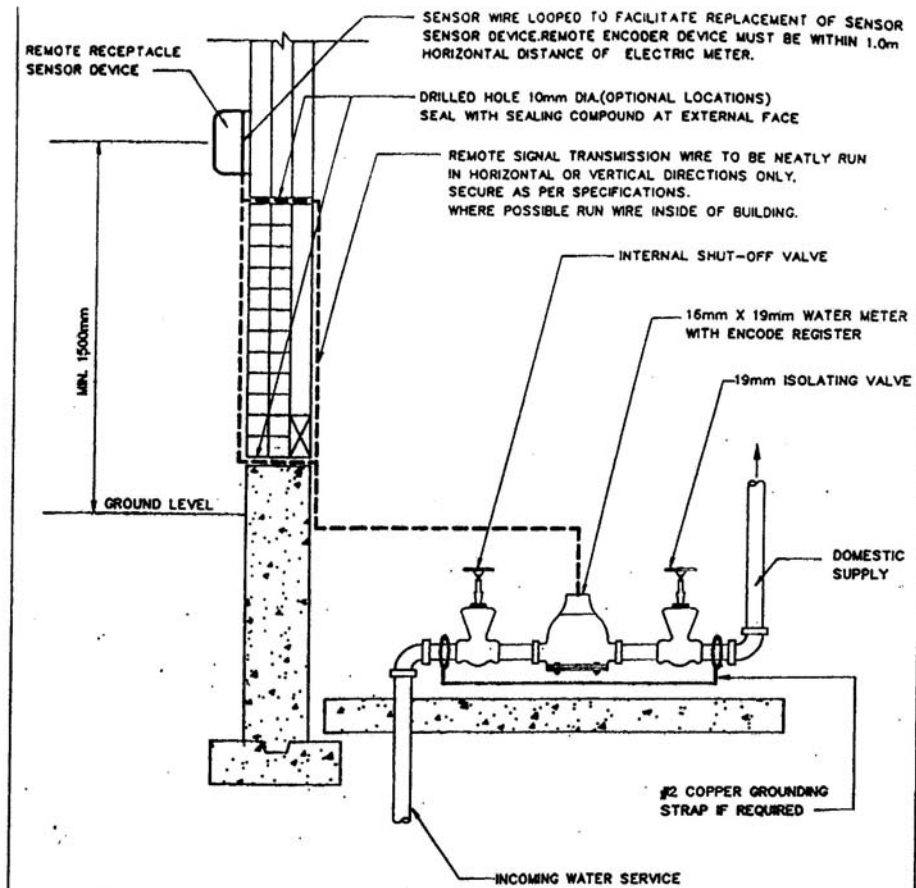
2.3 Multi-Family Residential Developments within City of Kelowna Water Boundaries and/or Connected to City of Kelowna Sanitary Sewer Collection Systems

- 2.3.1 Every multi-family residential development of more than two units must provide a meter setting to facilitate installation of a single master water meter on the domestic service inlet at the **owner's** cost. Said meter must be installed in an above grade, secure, heated and accessible location within one of the site buildings or in a separate meter building. Below grade meter pits or chambers are not permitted. All meters, larger than 38 mm diameter, must be installed with bypass piping as shown on City of Kelowna Meter Standard Drawings STD 310 and STD 311 attached to and forming part of this bylaw. All meter installations must include installation of a remote encoder register connected by approved signal transmission cable to a remote reading receptacle located within 1.0 lineal metres of the building electric meter. The water meter and the remote encoder receptacle, including connecting signal transmission cable, will be installed by the City or its authorized agent.

BL 7895 replaced Section 2.4:

2.4 Commercial, Industrial and Institutional Developments located within City of Kelowna Water Distribution Boundaries and/or Connected to City of Kelowna Sanitary Sewer Systems

- 2.4.1 Every such building or buildings must provide a meter setting at the **owner's** cost to facilitate installation of a single master water meter on the domestic service inlet. Said meter must be installed in an above grade secure, heated and accessible location within a building or in a separate meter building. Below grade meter chambers are not permitted. All meters in this category larger than 38 mm diameter must be installed with bypass piping as shown on City of Kelowna Meter Standard Drawings STD 310 and STD 311 attached to and forming part of this bylaw.
- 2.4.2 All developments in this category must also provide a water meter setting, at the **owner's** cost, to facilitate installation of a sewer credit meter downstream of the master meter to measure water used for irrigation or other non-sewer use. The **owner** shall provide a meter setting for the sewer credit meter including isolation valves. The sewer credit meter will be installed by the **City** or its authorized **agent**.
- 2.4.3 All meter installations including sewer credit meters must include installation of a remote encoder register connected by approved signal transmission cable to a remote encoder receptacle located within 1.0 lineal metres from the building electric meter.
- The meters and the remote encoder receptacles will be installed by the **City** or its authorized **agent**.
- 2.4.4 Water intended for fire sprinkler systems, fire hose stations, or site fire hydrants should not be metered and must be kept completely isolated from metered domestic water distribution systems.



ELEVATION VIEW

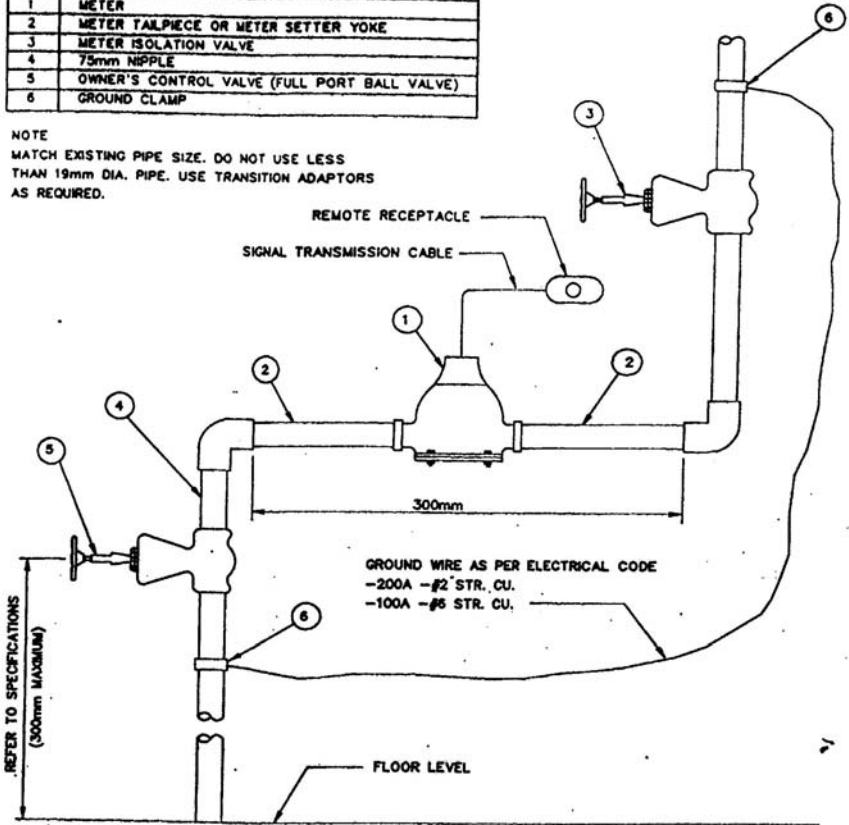
BYLAW NO. 5968-87

NOTES:
1. ALL DIMENSIONS IN MILLIMETERS.

DRAWN BY: W.B.	DATE: DEC. 6/95 REV: JAN 24/96	CITY OF KELOWNA WORKS & UTILITIES DEPARTMENT	DIVISION WATER	
DESIGN BY: T.B.	SCALE: N.T.S.		SCHMATIC DRAWING OF TYPICAL RESIDENTIAL WATER METER INSTALLATION	DWG. NO. STD-308
APPROVED BY:				

PART	NAME
1	METER
2	METER TAILPIECE OR METER SETTER YOKE
3	METER ISOLATION VALVE
4	75mm NIPPLE
5	OWNER'S CONTROL VALVE (FULL PORT BALL VALVE)
6	GROUND CLAMP

NOTE
MATCH EXISTING PIPE SIZE. DO NOT USE LESS THAN 19mm DIA. PIPE. USE TRANSITION ADAPTORS AS REQUIRED.

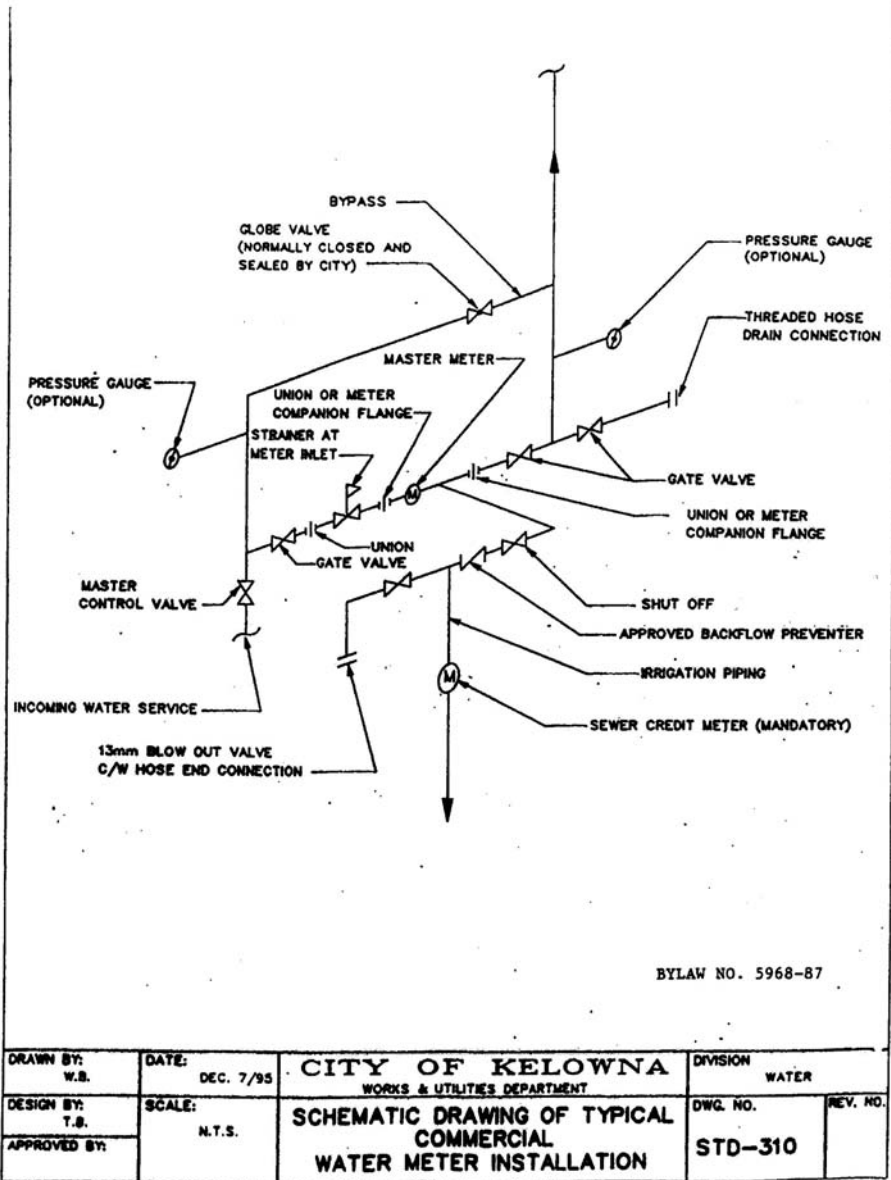


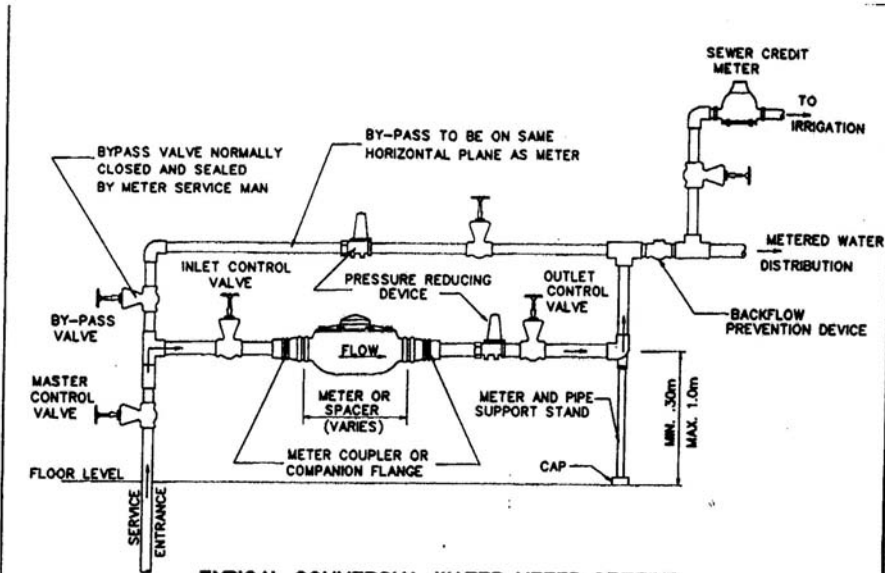
ELEVATION VIEW

BYLAW NO. 5968-87

NOTES:
1. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

DRAWN BY: W.B.	DATE: DEC. 6/95 REV: JAN. 24/96	CITY OF KELOWNA WORKS & UTILITIES DEPARTMENT	DIVISION WATER
DESIGN BY: T.S.	SCALE: N.T.S.	STANDARD LAYOUT FOR RESIDENTIAL METER	DWG. NO. STD-309
APPROVED BY:	(Signature Line)	(Signature Line)	REV. NO.





**TYPICAL COMMERCIAL WATER METER SETTING
WITH SEWER CREDIT METER
(FOR METERS LARGER THAN 38mm DIAMETER)**

INSTALLATION NOTES:

1. ALL PLUMBING, WORKMANSHIP, PIPE FITTINGS & PIPE MATERIALS ETC. MUST MEET B.C. PLUMBING CODE STANDARDS.
2. PIPING ON EACH SIDE OF METER MUST BE ADEQUATELY SUPPORTED TO THE SATISFACTION OF THE CITY OF KELOWNA PLUMBING INSPECTOR.
3. METER MUST BE ON A HORIZONTAL PLANE.
4. METER COMPANION FLANGES, GASKETS AND BOLTS AS REQUIRED.
5. MINIMUM DISTANCE OF 225mm BETWEEN ANY WALL AND A METER OR METER TREE.
6. VALVES ARE REQUIRED ADJACENT TO METERS (INLET AND OUTLET SIDE AND METER BYPASS)
7. ALTERNATE ARRANGEMENT OF PIPING AND VALVING MUST HAVE THE APPROVAL OF THE WORKS AND UTILITIES METER SECTION PRIOR TO INSTALLATION.
8. THE AREA FOR 600mm IN FRONT OF THE METER SHALL BE FREE OF OBSTRUCTION TO ALLOW FOR CONVENIENT READING AND SERVICING OF THE METER. TWO METER HEADROOM MUST BE PROVIDED IN THIS AREA.
9. IN NO CASE SHALL A METER BE INSTALLED IN A BATHROOM OR BEDROOM.
10. WHERE SOLDERED FITTINGS ARE BEING USED, COPPER TO FEMALE I.P.T. ADAPTERS MUST BE SUPPLIED TO ACCOMMODATE METER TAILPIECES.
11. BY-PASS PRV AND PIPING MAY BE ONE SIZE SMALLER THAN MAIN PIPING.
12. PROVIDE SEWER CREDIT METER ON IRRIGATION LINE.
13. PIPE DIMENSIONS VARY TO SUIT INSTALLATION.
14. ALL METERS MUST BE CONNECTED TO A REMOTE READING DEVICE IN A COMMON LOCATION.
15. BY-PASS ONLY ALLOWED ON 50mm DIAMETER AND GREATER METERS WHEN AN UNINTERRUPTED FLOW IS A NECESSITY.
16. METER SIZE SHALL BE ONE NOMINAL SIZE SMALLER THAN SERVICE INLET SIZE.

VIEW DRAWING STD-0905 (04) (04) - 100

DRAWN BY: W.B./J.G.	DATE CREATED: 1996-JULY-5	CITY OF KELOWNA WORKS & UTILITIES DEPARTMENT TYPICAL COMMERCIAL WATER METER SETTING WITH SEWER CREDIT METER	DIVISION UTILITIES - WATER/SEWER	
DESIGN BY: T.B.	DATE LAST REVISED:		DWG. NO. D.4.1.100	REV. NO.
APPROVED BY:	SCALE: NOT TO SCALE			