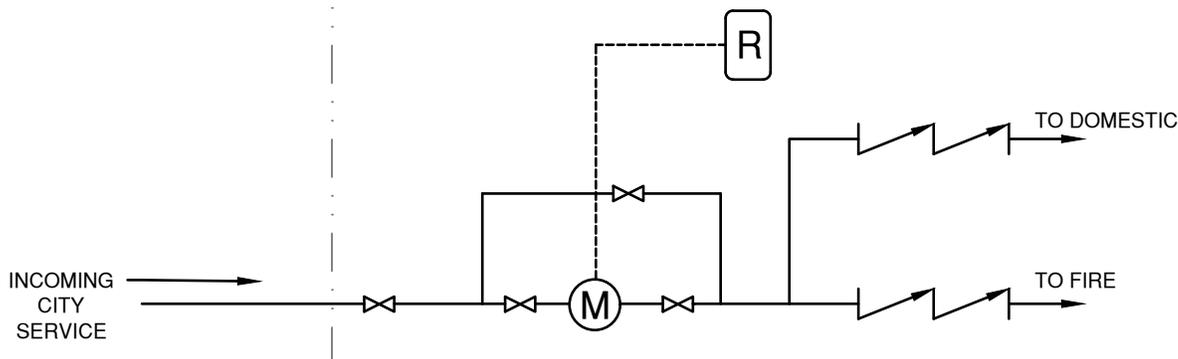


OPTION 1: SEPARATE UNMETERED FIRE SYSTEM WITH DOUBLE CHECK DETECTOR ASSEMBLY

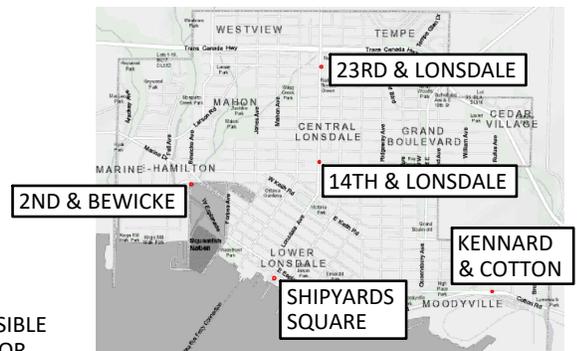


OPTION 2: COMPLETE METERED SERVICE

METER SIZE	METER SPECIFICATION
*1 1/2"	NEPTUNE T-10 E-CODER WATER METER w/ WALL R900 MIU
*2"	
*2"	NEPTUNE TRU/FLO COMPOUND E-CODER WATER METER w/ (2) WALL R900 MIU'S
*3"	
*4"	

NOTES:

- *R900 WALL MIU TO BE MOUNTED ON OUTSIDE OF BUILDING IN APPROPRIATELY ACCESSIBLE LOCATION APPROXIMATELY 1.5m FROM SURFACE. RUN APPROPRIATE QTY OF CONDUCTOR #22 AWG WIRE (CAT 6 WIRE OF EQUIVALENT) TO MATCH NUMBER OF REGISTERS ON CONDUIT FROM MECHANICAL ROOM TO OUTSIDE OF BUILDING FOR WALL R900 MIU'S
- SEE PAGE 2 FOR ADDITIONAL NOTES



CITY RADIO BASE LOCATION

(N.T.S.)

CITY OF NORTH VANCOUVER

THREE UNITS AND LARGER WATER ENTRY DETAIL

DRAWN: JN

DATE: FEBRUARY 2020

DWG.No. **W12R**

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WATER METER STANDARD NOTES

GENERAL

1. IN GENERAL *THE CITY* WILL SUPPLY ALL METERS AND AUTOMATIC READERS AT THE COST OF THE SERVICE. *THE CITY* WILL INSTALL THE AUTOMATIC READER. INSTALLATION OF METERS AND ASSOCIATED WORK ON PRIVATE PROPERTY WILL BE DONE BY THE APPLICANT AT THE APPLICANT'S COST.
2. THE LOCATION OF ALL METERS MUST HAVE THE APPROVAL OF THE ENGINEER **PRIOR TO INSTALLATION**. CHECK WITH THE ENGINEERING DEPARTMENT FIRST TO AVOID DELAYS OR LATER EXPENSIVE RECONSTRUCTION. ALL METER SHALL HAVE AUTOMATIC READERS WITH REMOTE RADIOS. THE APPLICANT SHALL SUPPLY AND INSTALL ALL CONDUIT AND CONDUCTORS REQUIRED. AUTOMATIC READERS SHALL BE INSTALLED BY *THE CITY* ON THE OUTSIDE OF THE BUILDING IN A LOCATION ACCEPTABLE TO THE CITY.
3. ALL METERS SHALL HAVE BY-PASSES, SEALED BY THE CITY AND ONLY OPERATED BY THE CITY. THE CITY WILL INSTALL A NON-DESTRUCTIBLE TAG REQUESTING THAT IF THE SEAL IS BROKEN TO NOTIFY THE CITY AT 987-7155 TO AVOID CHARGE FOR UNMETERD WATER USE.
4. REASONABLE ACCESS SHALL BE PROVIDED DURING NORMAL WORKING HOURS FOR INSPECTING, REPAIRING OR CHANGING THE METER.
5. THE METER SHALL NORMALLY BE LOCATED AS CLOSE TO THE POINT OF ENTRY AS DEEMED POSSIBLE BY THE CITY.
6. NO DRAIN VALVE OR ANY OTHER TYPE OF FIXTURE THROUGH WHICH WATER MAY BE TAKEN SHALL BE LOCATED UPSTREAM OF THE METER.
7. ALL PLUMBING SHALL MEET THE REQUIREMENTS OF THE CURRENT *PROVINCIAL PLUMBING CODE*.
8. ALL PIPING SHALL BE ARRANGED SO THAT THE METER SHALL SIT IN A HORIZONTAL PLANE.
9. NO PRESSURE REDUCING VALVE SHALL BE INSTALLED BETWEEN THE BY-PASS TEES OF THE METER ASSEMBLY. ANY NECESSARY REDUCING VALVE SHALL BE LOCATED DOWNSTREAM FROM THE METER AND BY-PASS ASSEMBLY.
10. STRAINERS SHALL BE USED ON ALL MECHANICAL METERS GREATER THAN OR EQUAL TO 75mm (3") AND LARGER.
11. PROVISION FOR A METER BY THE APPLICANT:
 - a. PROVIDING A SPOOL PIECE INSIDE THE BUILDING LONG ENOUGH TO ACCOMMODATE A FULL METER AS NEEDED.
 - b. PRE-INSTALLING REMOTE READ CONDUIT AND WIRING.
 - c. ENSURING THAT ALL FIXTURES AND SPRINKLER, IRRIGATION TAKEOFFS ARE DOWN-STREAM OF FUTURE METER OR DOUBLE CHECK ASSEMBLY WITH METER.
 - d. ENSURING THAT FIRE PROTECTION SYSTEMS ARE ISOLATED AND TAKEN OFF OF METER ON THE CITY SITE.
14. AN AUTOMATIC READER IS TO BE INSTALLED BY THE CITY ON THE OUTSIDE FACE OF THE BUILDING - REMEMBER TO GET PRIOR APPROVAL OF ITS LOCATION FROM THE ENGINEER TO AVOID THE CONSEQUENCES OF POOR PLANNING. SOME OF THE REQUIREMENTS FOR GOOD LOCATION OF AN AUTOMATIC READER ARE:
 - a. VISIBLE AND ACCESSIBLE FROM THE STREET AND WITH EXPOSURE TO THE CITY RADIO BASE STATION.
 - b. LOCATED BETWEEN 1200mm AND 1800mm ABOVE GROUND LEVEL.
 - c. A CONDUIT(MINIMUM SIZE 25mm) FROM THE LOCATION OF THE METER TO THE LOCATION OF THE AUTOMATIC READER SUPPLIED AND INSTALLED BY T E APPLICANT INTO WHICH HE SHALL INSTALL THE SPECIAL CABLE SUPPLIED BY THE CITY.
 - d. COMPLETE AND EASILY ACCESSIBLE FOR CHANGING, READING, TESTING OR REPAIR. THE WIRES DISTILLED BY THE APPLICANT SHALL BE CONNECTED TO THE READER AND THE METER BY THE CITY.

VALVES

1. FOR 50mm AND SMALLER METER SETTINGS, USE APPROVED VALVES HAVING FEMALE IRON PIPE (F.I.P.) TREADED CONNECTIONS.
2. FOR GREATER THAN 50mm METER SETTINGS,USE APPROVED VALVES EQUIPPED WITH FLANGES TO 860 Kpa DRILLING STANDARD ARE TO BE INSTALLED. NOTE THAT THREADED VALVES MAY BE USED BUT THAT THE FLANGES WILL HAVE TO BE PROVIDED FOR MOUTHING THE METER.

(N.T.S.)

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