

**NICOLA LAKESHORE WATER UTILITY CO. LTD.**  
**("the Utility")**

**Revised February 19, 2013**

**INFORMATION SHEET ON UTILITIES**

1. Grinder Pump – e-one model 2010-93, required by covenant; recommend 1 ½ municipal 160 CSA approved outflow line to connect to 1½" service at the road. Brass compression fittings with inserts required.
  
2. Treated effluent or irrigation line is 25mm (-1") municipal 160 minimum CSA approved line or equivalent. Connection to service at road will require CSA approved municipal pipe with brass compression fittings with inserts. All work to be done to BC Building code – Division B, Part 7.
  
3. Domestic water service is a 19mm (¾") municipal 160 minimum CSA approved line at the property boundary on the following lots:  
Phase I, Lots 1 to 65  
Phase II, Lots 1 to 3, 5 to 68  
\*Domestic water service is a 25mm (1") municipal CSA approved line at the property boundary at the following lots:  
Phase II, Lots 68 to 74, 78 & 79  
Phase I, Lots A, A & B  
Connection at service at road will require CSA approved municipal line complete with brass compression fittings with inserts.

Any domestic water meter units that are to be put in the house is constructed will require a backflow preventer in the water-metering vault, as well as connection to a transponder at road using a 3 wire bell wire in conduit.

Any domestic water yard hydrant that is installed past the water-metering vault will be required to have a backflow preventer on the pipe hose connection.

The domestic water will only to be turned on after inspection by Nicola Lakeshore Water Utility inspector. At that time it will be determined if all requirements and codes have been met to safely turn on the domestic water.

NO OTHER PERSON is to turn on the domestic water to the house or property at any time. Turning on the domestic water before final inspection will result in either the street service being shut off and/or a fine. Without meeting all the codes and requirements set out in this information sheet, the domestic water system is not properly protected from cross contamination and other harms that may have adverse reaction to the system.

If water is required before final inspection, prior arrangements must be agreed upon and set out by Nicola Lakeshore Water Utility Co. Ltd. Please contact the office to make arrangements.

4. A connection fee of \$200.00 plus taxes is required at time of connection of utilities and meter. Only one inspection is called for. Please have meter ready to seal by inspector at time of inspection. It will also be started at that time.
5. Please note: only a licensed journeyman plumber approved by Nicola Lakeshore Water Utilities trained in installing the system must do all connections – i.e.: Domestic water, sewer and grey water connections at the street. Also all connections at the grinder pump.
6. It is recommended that hydro and telephone service be placed to provide sharing of costs with adjacent lots. It is suggested that lots lines with power poles be the shared lot line for service to reduce visual pollution.
7. Common trenches for service, insuring non-freezing of services is desirable to reduce impact on land. Installing services as per sketches are recommended. Roadway can be over services but caution then needs to be taken to prevent freezing (i.e.: adding of rigid styrofoam insulation from 2” – 4” thick over lines).
8. Roadways (driveways) should be a maximum of 6 meters, with preferred max grade of 8% meandering alignment. The incorporation of rocks into construction will soften fills and cuts as well as add stability to the fill when “keyed” properly into original ground. Please remember that driveway location requires the approval of Nicola Lakeshore Estates Inc.
  - Sand backfills to industry specifications
  - Buried power and telephone lines in ducts to Electrical Safety Code is a preferred option but not mandated by covenant.
9. Owners are reminded that **construction waste** is **NOT** to be placed in the dumpsters. You will be liable if this information is not communicated to your contractor.

Attachments (4 pages)

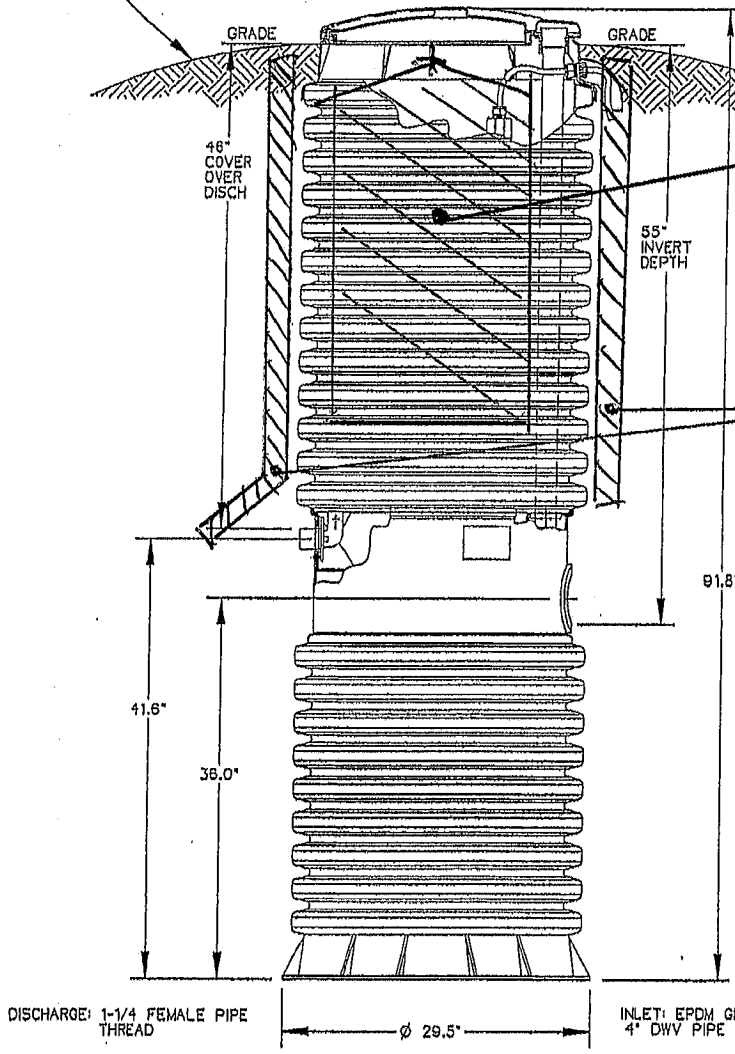


### **Installation Instructions for 5/8", 3/4" and 1" Trident 10 Water Meters**

1. The service line must be flushed prior to the meter install prior to the meter installation in order to remove debris in the line.
2. An electrical grounding strap must be placed on the service line, connecting the inlet and outlet service lines on either side of the meter setting.
3. In outdoor settings the meter and service line should be located deep enough in the ground to prevent freezing.
4. Suitable inlet and outlet meter valves and couplings / setters must be installed. Appropriate space must be allowed in the line for the meter laying length and two coupling gaskets. The pipe ends must be sufficiently aligned so that the coupling and meter threads can engage without binding or cross-threading.
5. Before installing the meter, remove the thread protectors and spud caps. Be sure that no debris enters the meter during installation.
6. Place the coupling gaskets inside the coupling nuts and set the meter in the line. The meter should be in the horizontal position with the register dial facing upward. The direction of flow marked on the meter must agree with the direction of water flow.
7. Start the coupling nuts by hand then use a wrench and tighten sufficient to prevent leakage. Be careful not to cross-thread the connections.
8. Slowly open the meter inlet valve to allow water to fill the meter. Next, open the meter outlet valve slowly. Open a down stream faucet and run enough water to dissipate entrained air and flush the line. While the faucet is open, check to see if the meter is operating properly.
9. Turn off the faucet and check the meter installation for leaks.

2010-93

GRADE MUST SLOPE AWAY FROM STATION



*rolled pink insulation in plastic bag*

*2" rigid insulation*

*Note: ensure Knife valve is installed on 4" sewer line before entry into system.*

DISCHARGE: 1-1/4 FEMALE PIPE THREAD

INLET: EPDM GROMMET FOR 4" DWV PIPE (STANDARD)



**BALLAST REQUIREMENTS**

A CONCRETE ANCHOR IS REQUIRED ON ALL MODEL 2010-93 STATIONS  
 SPECIFIC CONCRETE DIMENSIONS ARE REQUIRED TO ACHIEVE NECESSARY BALLAST EFFECT  
 SEE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS

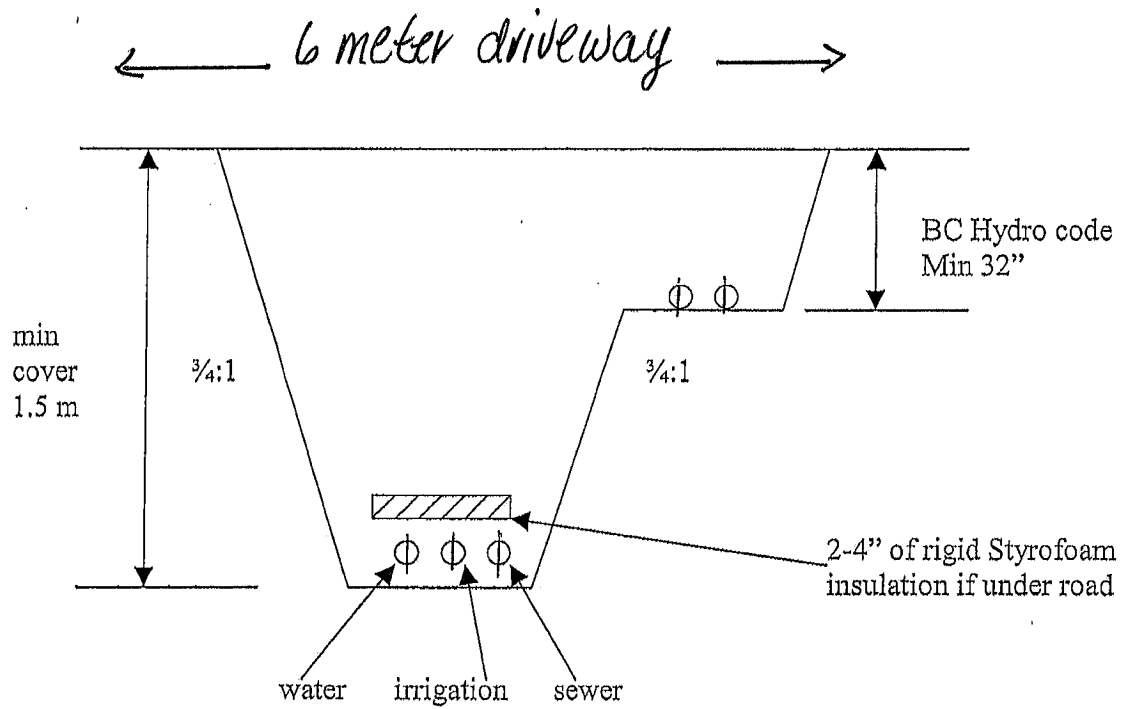
SGS	CAH	01/10/02	C	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE



MODEL 2010-93

PA0856P04

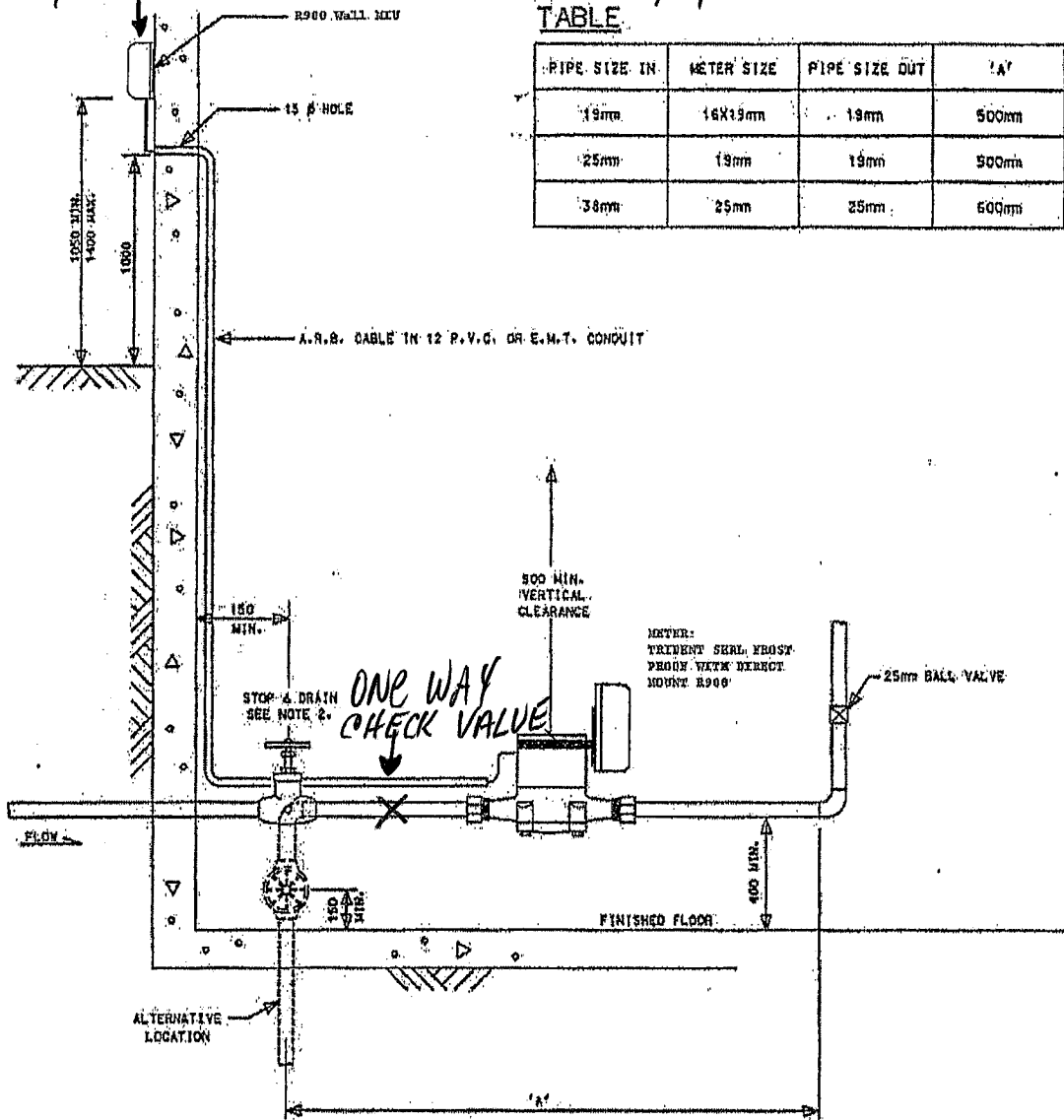
SCHEDULE A



- Note:
- sand backfill to industry code 6" recommended
  - buried power/telephone duct a preferred option, but not in covenant

N.T.S.

Transponder should be located at drop pole at road



**NOTE**

1. 175mm MINIMUM CLEARANCE BETWEEN WALL AND C. OF PIPE
2. STOP AND DRAIN TO BE THE SAME SIZE AS INCOMING PIPE.
3. IF HOT WATER TANK IS WITHIN 3.0m OF METER, THEN A CHECK VALVE IS REQUIRED BETWEEN METER AND HOT WATER TANK.
4. ALL COPPER PIPING AFTER THE STOP AND DRAIN TO BE OF TYPE "L" COPPER.
5. PIPING FOR METER TO BE RUN HORIZONTALLY & METER TO BE INSTALLED ON HORIZONTAL PIPING ONLY.
6. WHERE THE INCOMING PIPE IS OTHER THAN COPPER, 500mm OF HORIZONTAL TYPE "L" COPPER PIPE (AS PER ABOVE TABLE).
7. METER SIZE TO BE ONE PIPE SIZE SMALLER THAN INCOMING SERVICE SIZE.
8. METERS MUST NOT BE LOCATED BEHIND FURNACES, WATER TANKS, etc.

NEPTUNE. STANDARD DRAWING

16 x 19 TO 25 METER INSTALLATION  
IN BUILDING

REV. DATE: MARCH 18, 2004

APPROVED BY

DRAWN BY

R. C.

STD. DWG.

SCALE  
N.T.S.