

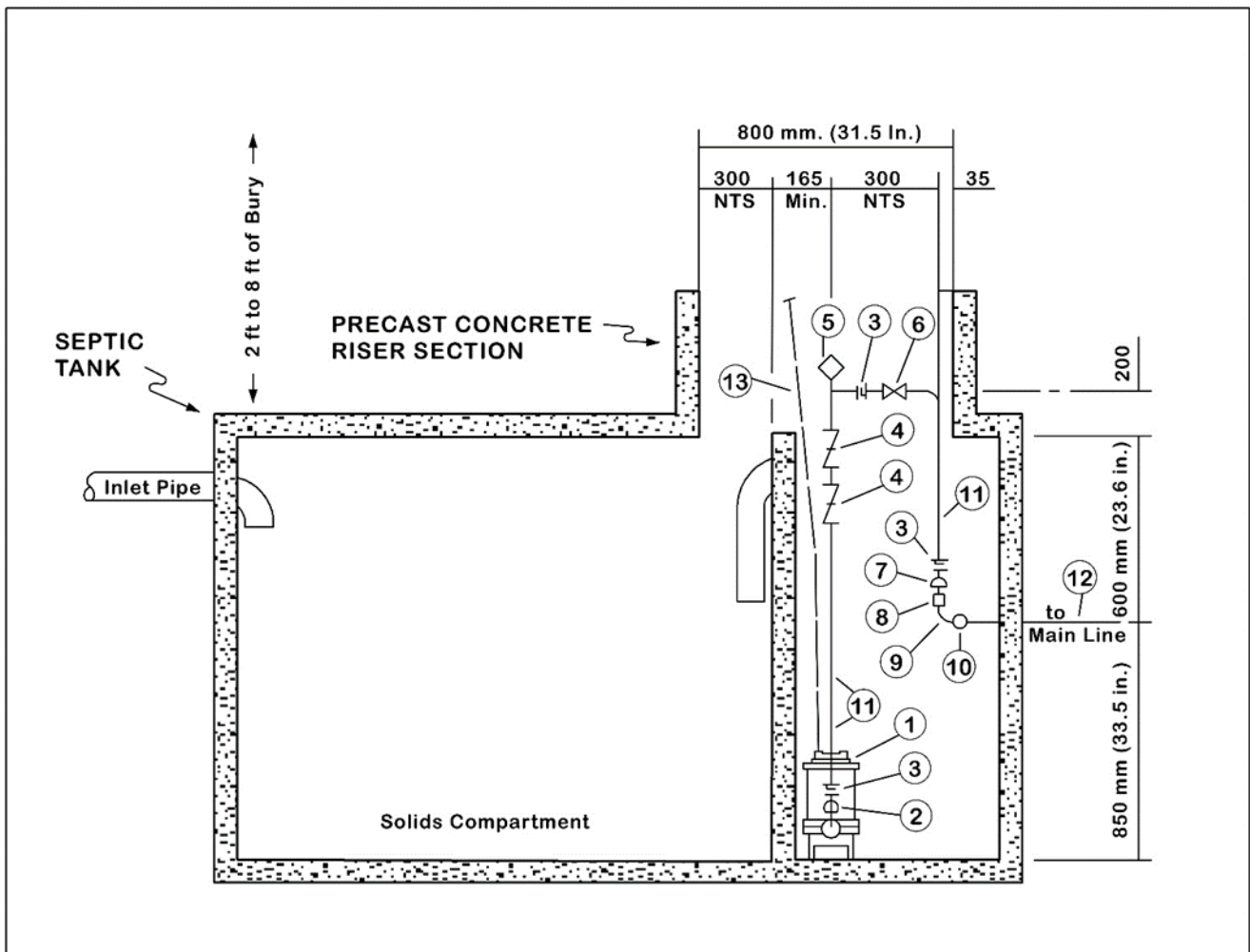


PEACE RIVER REGIONAL DISTRICT

TECHNICAL SPECIFICATIONS FOR ON-SITE WORKS

1. Septic tanks for use on private property for connection to the Public Sewer shall:
 - a) be CSA approvable;
 - b) have a minimum of 4,546 litres (1,000 gallons) liquid capacity;
 - c) be water tight;
 - d) be constructed of sulphate resistant concrete;
 - e) have two compartments with the first compartment being a minimum of 2,730 litre (600 gallon) liquid capacity. Two or more septic tanks may be installed and used in series provided they meet or exceed the requirements of this Schedule;
 - f) be designed, constructed and installed to withstand the imposed loading to which it will be subjected from its depth of bury, in accordance with good engineering practice;
 - g) provide access for each compartment with each access having minimum internal opening dimension of 50 cm (20 inches) and they shall be constructed of concrete and be provided with concrete covers, including handles;
 - h) be located to provide a minimum fall of 0.4 cm (1/8inch) per 30 cm (1ft.) in the building drain and building sewer to the septic tank;
 - i) be located not less than:
 - i. 15m (50 ft.) from a source of domestic water;
 - ii. 1m (3ft.) from a parcel boundary;
 - iii. 1m (3ft.) from a building; and
 - iv. 3m (10ft.) from a domestic water pipeline;
 - j) In addition to the above requirements, meet or exceed the specifications and layout of piping, valves and connections as noted in the diagram below:
 1. Effluent Pump
 2. Reducer/Increaser to 32 mm dia.
 3. 32 mm Union (three required)
 4. 32 mm Check Valve (two required)
 5. 32mm Anti-siphon Valve (when required)
 6. 32 mm Isolation Valve (Ball type)

7. 32 mm x 38 mm Reducer
8. 38 mm Threaded to Solvent Weld Adaptor
9. 38mm 90° Threaded Elbow
10. 38 mm Brass Pack Joint (Compression) Coupler to PE pipe with Male I.P. Threads complete with stainless steel stiffener
11. 32 mm PVC Pipe – 160 p.s.i., municipal tubing
12. 38 mm PVC Pipe – Schedule 80, municipal tubing
13. 9 mm Nylon Rope connected to Pump, attach to hook installed in access



2. The effluent pump, to be supplied by the property owner for installation in the septic tank as shown in the diagram above, shall meet the standards and specifications of the "Hydromatic" submersible effluent pumps (SPD50H and SKHD 150) installed during the original installation of the sanitary sewage collection system. The effluent pump shall not have less than ½ horsepower or more than 1 ½ horsepower and they must be approved by the building inspector of the Regional District.