

RESOLUTION NO. 558

A RESOLUTION OF THE BOARD OF COMMISSIONERS  
OF BIRCH BAY WATER AND SEWER DISTRICT, WHATCOM  
COUNTY, WASHINGTON, AMENDING SECTION 8.04.240 OF THE  
BIRCH BAY WATER AND SEWER DISTRICT CODE AND ADDING  
CERTAIN SEWER CONSTRUCTION STANDARDS

BE IT RESOLVED by the Board of Commissioners of Birch Bay Water and Sewer District, Whatcom County, Washington as follows:

Section 1: Section 8.04.240, paragraphs A, B and C of the Birch Bay Water and Sewer District Code shall be amended to read as follows:

8.04.240 Construction Standards - Generally

A. These standards (8.04.240, 250, 260, 270, 280, 290, 300, 310, 320) are only for gravity lines and not intended for pressure mains. Pressure mains shall be allowed only when necessary in the opinion of the District. When allowed, they shall meet the requirements set out in Sections 8.04.242 through 8.04.245.

B. All material and workmanship in connection with the installation of any sewers connected to the public sewer shall be as specified by this chapter and the Standard specifications.

C. Connection will be made at the point designated by the district and all plumbing outlets shall be connected to the sanitary sewer.

8.04.242 Application For A Single Family Sewer Pump

If a property cannot be served by gravity to a District main, a request may be made to the District for the owner to install a pump. The District may allow the pump as a "non-conforming" installation. This policy pertains only to single family homes.

APPLICATION FORM

Owner's Name \_\_\_\_\_ Phone \_\_\_\_\_

Mailing Address \_\_\_\_\_

Property Address \_\_\_\_\_

Legal Description \_\_\_\_\_

(Attach if necessary)

I hereby apply for a variance from the District's rules and Regulations, Resolution ~~558~~ as amended. The purpose of the variance is to install a pump for one single family residence to which gravity service is not feasible or available.

I have received the Procedural Checklist and Standards and herewith submit the review fee and required supporting documents. I understand that no permit will be issued for a pump installation until the plan has been approved and the Release signed.

Applicant's Signature \_\_\_\_\_  
 Print Name \_\_\_\_\_ Phone \_\_\_\_\_  
 Mailing Address \_\_\_\_\_

PROCEDURAL CHECKLIST

APPLICANT Submit the standard side sewer permit, pump service application form  
 \$ \_\_\_\_\_ side sewer permit fee, and the following information:

	Check List	Date
1. Site plan to scale. Show property corners.	_____	_____
2. Pump location on property.	_____	_____
3. Elevations (see sketches):		
a) Basin Bottom _____	_____	_____
b) Discharge Pipe _____	_____	_____
c) Ground Level _____	_____	_____
d) Gravity Point _____	_____	_____
4. Force main: Material Type _____	_____	_____
5. Route, Length, size of force main: Length: _____	_____	_____
6. Pump specifications. (attach spec's)	_____	_____

DISTRICT

1. Permit fee paid.	_____	_____
2. Required documents received.	_____	_____
3. Packet mailed to engineer.	_____	_____
4. District notifies applicant: Approved/Disapproved	_____	_____

PERMITTING

1. Side sewer/pump system permit issued with electrical inspection waiver TYPED ON PERMIT	_____	_____
2. Force main air tested. (10#/10 min.)	_____	_____
3. Electrical inspection: Copy of approved State electrical permit attached.	_____	_____
4. Pump/float test.	_____	_____

5. Pump installation and side sewer connection noted in District records.

Section 8.04.243 MINIMUM STANDARDS FOR SIDE SEWER PUMP INSTALLATION.

The following requirements are minimum and intended to apply under usual and ordinary conditions. These requirements may be increased or modified in the case of specific situations and if deemed necessary by the District Manager or Engineer. ALL ELECTRICAL INSPECTIONS MUST BE MADE BY A STATE CERTIFIED ELECTRICAL INSPECTOR.

- A. PUMP
1. Single unit, solids handling submersible sewage ejector type.
  2. Heavy duty cast iron construction.
  3. 2" solids passing.
  4. Mechanical shaft seal.
  5. Non-clog impeller.
- B. MOTOR
1. Heavy duty, oil filled.
  2. Thermal overload protection, with automatic reset.
  3. Non-overloading horsepower for hydraulic conditions at 15 gpm minimum flow.
  4. 230 Volt, single phase, 1750 RPM.
- C. CONTROLS
1. Three float switches (On, Off, High Water Level)
  2. Visual high water level alarm.
  3. One-foot pump operation range.
  4. Control panel shall have circuit breaker, motor contractor, hand-off-auto switch and pump run light.
  5. Control panel shall be wall or post mounted.
- D. GENERAL
1. Fiberglass or plastic pump chamber (24" diameter, 60" tall) with fiberglass lid and PVC or galvanized steel vent pipe.
  2. Pump discharge pipe shall be 2" SCH 80 PVC.
  3. Force main pipe shall be 2" Class 200 PVC w/PVC fittings or 2" SDR 11 HDPE (160 psi) w/brass fittings.
  4. 4" gasketed hub for field installation of house plumbing connection.
  5. Discharge pipe shall have 2" PVC ball valve with stainless steel operator extension and extension support and 2" PVC swing check valve.
  6. Discharge pipe shall have quick disconnect fitting with stainless steel handle and chain for pump/discharge pipe assembly removal.
  7. Electrical junction box mounted inside pump chamber.
- E. OPTIONS TO CONSIDER
1. Galvanized steel lid for sump (higher strength but more prone to corrosion).
  2. Audible high water level alarm with silence button mounted inside house.

INSTALLATION shall conform to the District Standards, National Electrical Code, applicable local electrical code, the Whatcom County Board of Health Rules and Regulations, and the manufacturer's recommendations.

Section 8.04.245 Schematic drawings showing installation of pump systems are attached hereto as Exhibit A and B.

Section 2: BE IT FURTHER RESOLVED that any resolutions or parts of resolutions in conflict herewith are hereby repealed insofar as they conflict with the provisions of this resolution.

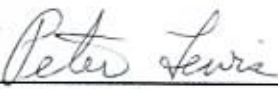
Section 3: If any section, subsection, sentence, clause or phrase of this Resolution is for any reason held to be invalid or unconstitutional, such decision shall not affect the validity of the remaining portions of this Resolution. The Council hereby declares that it would have passed this code and each section, subsection, sentence, clause and phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses or phrases has been declared invalid or unconstitutional, and if, for any reason, this Resolution should be declared invalid or unconstitutional, then the original Resolution or Resolutions shall be in full force and effect.

Section 4: This Resolution shall be in full force and effect on April 27, 1995.

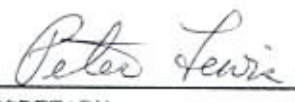
PASSED by the Board of Commissioners of Birch Bay Water and Sewer District, Whatcom County, Washington, at a regular meeting held the 27th day of April 1995.

  
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COMMISSIONER

  
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COMMISSIONER

  
\_\_\_\_\_  
COMMISSIONER

THIS IS TO CERTIFY that the above is a true and correct copy of Resolution No. ~~558~~ of Birch Bay Water and Sewer District, Whatcom County, Washington, adopted at the regular meeting of the Board of Commissioners on April 27, 1995.

  
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SECRETARY