



Government of Newfoundland and Labrador
Department of Environment and Climate Change
Water Resources Management Division

AMENDMENT TO PERMIT

Pursuant to the *Water Resources Act*, SNL 2002 cW-4.01, specifically Section(s) 49

Date: **MAY 29, 2024**

File No: **844.027.001**

Permit No: **WS13129-2023**

Amendment No: **1**

Permit Holder: **Town of Upper Island Cove
PO Box 149
Upper Island Cove NL A0A 4E0**

Attention: **Mr. Neil Shute, Town Manager**

Re: **Upper Island Cove - Mountain's Lane & Lundrigan's Lane - Water Services**

The original Permit dated AUGUST 08, 2023 is amended as follows:

to allow the installation of a hydraulic barrier for protection of the watermain as shown on Drawing No. 2203784-000-2120-005 in a set of drawings titled "Waterline Replacements-Mountain Road and Lundrigan's Lane - 17-GI-23-00019" as submitted on April 26th, 2024 with a revised set submitted on May 29th, 2024.

All other terms and conditions of the original Permit will apply and failure to comply with the terms and conditions of this amendment and the original Permit will render this Permit null and void, place the Permit Holder and their agent(s) in violation of the *Water Resources Act* and make the Permit Holder responsible for taking any remedial measures as may be prescribed by this Department.

A handwritten signature in black ink, appearing to read "A. Brown".

(for) MINISTER

GOVERNMENT OF NEWFOUNDLAND AND LABRADOR
Department of Environment and Climate Change

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APPENDIX A
Terms and Conditions for Permit

Special Conditions

1. In the areas where the storm sewer is pre-existing and installed at a higher elevation than the watermain, as referenced on Drawing No. 2203784-000-2120-005, the following protective measures must be adhered to:
 - a. A vertical separation of 450mm shall be maintained between the watermain and the storm sewer.
 - b. Additional bedding structural support shall be installed as required to protect the geomembrane.
 - c. The watermain joints shall be wrapped for protection, including valves, tees, service connections, bends, etc.
 - d. The installation of an impermeable liner acting as a hydraulic barrier installed above the watermain that must extend 300 mm beyond the outer edges of the watermain.
2. Selection of the geomembrane shall be up to the engineer to determine the suitability of the liner to act as a hydraulic barrier to ensure the protection of the watermain. The permeability of the hydraulic barrier chosen shall have a permeability value as close as reasonably possible to zero. The review of the product specifications sheets should consider stresses during construction, field survivability, and workability.
3. The geomembrane shall be protected from mud, dirt, dust, puncture, cutting, or any other damaging or deleterious conditions. Subgrade surfaces should be free of loose rock fragments, sticks, sharp objects, or debris of any kind. The surface should provide a smooth, flat, firm foundation for the geomembrane with no sudden, sharp, or abrupt changes or breaks in grade that can tear or damage the geomembrane.

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