Section: **Public Works**	Policy Number: **4.3**
Policy: **Ultra Rib Pipe Policy**	Effective Date: **11/01/2016**
Date Last Revised:	Current revision Date:

Ultra-Rib Pipe Policy

Purpose:
1. Ensure "ultra-rib" piping is not installed in the Town's sanitary sewer collection system unless specifically recommended by the Town's consulting engineer.
2. Replace existing "ultra-rib" pipe during major roadway reconstructions and/or watermain replacement were reasonable and cost effective do so.
3. Outline conditions and requirements where "ultra-rib" piping may be "relined" rather than replaced.
4. Detail connection requirements to existing "ultra-rib" piping if the Town at its sole discretion permits connection without replacement.

Background
"Ultra-rib" pipe was installed as the main sanitary sewer collection pipe for the former Village of Clifford. The Town has found that "ultra-rib" has only been suitable in Clifford under certain limited circumstances. This policy provides a cost effective strategy to make reasonable use of existing "ultra-rib" if possible with a view to mitigating unnecessary cost to the Town's waste water collection system.

Replacement
The Town will replace ultra-rib sanitary sewer mains on all streets during road major re-construction or watermain replacement where excavation will occur within close proximity to the sanitary sewer main unless the main is not expected to be disturbed or exposed to future connections and the condition is such that replacing would be cost prohibitive. Town staff in consultation with the municipal consulting engineer acting reasonably will bring forward information to Council to assist with such decisions.

Connections
Where a developer proposes more two or more connections within 15 metres or where one connection is proposed to a sanitary main more than 3.0 meters deep, the private developer may be required replace all "ultra-rib" pipe within the frontage of the developer's lands. The extent of the "ultra-rib" pipe to be replaced in these situations shall be determined by Town staff in consultation with the municipal consulting engineer acting reasonably.

If the Town at its sole discretion permits connection to "ultra-rib" pipe the connection shall be made using "T-Liner" or other approved materials and according to the most recent industry accepted standard to the satisfaction of the Town in consultation with the municipal consulting engineer acting reasonably.

Ultra rib piping is not permitted in new subdivisions or roadway sections where sanitary sewer is to be installed by a developer or by the Town.

Maintenance and Re-lining Ultra-rib

The Town conducted a complete video inspection of the Clifford sanitary sewer system in spring 2017 and identified some areas where compaction had caused the sewers to flatten, but generally the system was in reasonable condition. Annually this policy recommends problem areas be inspected and determined whether remedial action is needed.

As an alternative to replacing ultra-rib piping, where remedial action is needed Town staff will recommend to Council budget to re-line sections of existing ultra-rib sanitary sewer. The intent of re-lining is to reduce inflow and infiltration and extend the useful life of an existing ultra-rib piping.

If needed based on annual inspection the Town will budget proactively re-line sections of sanitary sewer main not identified for reconstruction within a five year period. Sections will be identified during the capital budget process based on an assessment of the useful life of the asset and the specific conditions of the section of pipe.

The Town may require a developer to contribute to the cost of remedial action on sections of sanitary sewer that service a private development. In such cases the developer shall pay all or a portion of the cost of re-lining as determined by the Town in consultation with the municipal consulting engineer acting reasonably.