

Ultra Violet CIPP Lining of Storm Sewers in Oakville

The use of Ultra Violet (UV) CIPP lining of sewers has in recent years become more common in the sewer rehabilitation industry, particularly for storm systems (sewers and culverts). The Town of Oakville, Ontario maintains a large network of storm sewers and over the past several years has implemented an inspection program to identify deteriorated pipes. This program resulted in the identification of storm sewers in need of replacement or rehabilitation primarily due to structural defects, including some with significant ovality. The Town determined that CIPP rehabilitation of these storm sewers would have significant benefits (cost, disruption, etc.) versus replacement and initiated the development of a CIPP rehabilitation tender. The tender involved the rehabilitation of approximately 1,700m (5,580ft) of storm sewer pipe ranging in size from 300mm to 900mm (12 in. to 35 in.) using UV cured CIPP lining. This presentation will outline the reasons for the use of UV CIPP, some of the primary differences with UV CIPP, the tender specifications required for UV CIPP, including some of the key elements which vary from traditional CIPP as well as highlight project outcomes.