

CASE STUDY

CSO Separation Pipeline

Lewiston, ME

OWNER

City of Lewiston, ME

ENGINEER

Lewiston Public Works,, Lewiston, ME

CONTRACTOR

Gendron & Gendron, Lewiston, ME
Ted Berry Company, Livermore, ME

INSTALLATION DATE

Summer 2012

PRODUCTS

15"-18" (375-450 mm) SaniTite® HP pipe
400' (122 m) of 48" (1200 mm) SaniTite HP pipe
12"-18" (300-450 mm) N-12® pipe
Two Inserta Tee® lateral connections

DESCRIPTION

Lewiston was completing its combined sewer overflow (CSO) separation initiative along Oak Street. Causing issues for the project were a massive rock ledge and old buildings at the trench's edge.

Originally, the project was specified to use concrete pipe for storm drainage and SDR-35 pipe for sanitary sewer. The success of SaniTite HP in nearby Portland, ME during CSO separation convinced Lewiston to flip to SaniTite HP, which is manufactured with polypropylene.

For the sanitary sewer mains, 15"-18" (375-450 mm) SaniTite HP was utilized and included a number of 90°, 45° and 22° bends. 12"-18" (300-450 mm) N-12 pipe, manufactured from HDPE, was used for the storm sewer pipe in the CSO separation.

During the course of the CSO separation, a 60" (1500 mm) concrete sewer main with leaking joints was detected. Within 72 hours, the concrete pipe was sliplined using 400' (122 m) of 48" (1200 mm) SaniTite HP.



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