



Town of South Windsor **BONDED CAPITAL PROJECTS**

AVERY BROOK - CONSTRUCT CULVERT BOTTOMS

Project Description

Avery Brook follows a natural channel to a concrete lined channel through the Benedict Drive neighborhood. The culverts crossing Raymond Road and Benedict Drive are the widest points in the Avery Brook channel. The channel is trapezoidal so it is narrow at the bottom with sloped sides and wide at the top. The culverts are rectangular and have wide flat bottoms. Because of this difference in shapes the water flows fast in the channel and slows down in the culvert. This causes sediment to settle out under the culverts where it is most difficult to remove.

Recommended Solution

This project is to reshape the culvert bottoms to prevent sediment from settling out in the culverts and thereby make them self cleaning. This would be done with a lining or fillets in the culverts that would be installed or constructed of concrete, and or pipes.

Schedule

Engineering	2008-2010
Easements/ROW	2009
Construction	2010

Status (as of 12/1/08)

The Town has hired the National Resource Conservation Service to conduct a study of Avery Brook and determine the sediment source, load and recommend ways to reduce and capture the sediment in this brook.

