

# St. Regis Culvert's Dura Flow™



Carrier Creek , Eaton County Drain Project

**The Carrier Creek Drain Project** involved an innovated drain and watershed management plan to help meet the drainage needs of Delta and Windsor townships in Eaton County Michigan. When faced with the problem of enclosing the storm drain through several hundred feet of weak, organic soils, the Eaton County Drain Commission found the solution in Dura Flow™ Dual Wall Polymer Coated Pipe.

Dura-Flow™ pipe, a smooth interior corrugated steel pipe, combines a standard corrugated steel exterior shell with a hydraulically smooth liner. The liner is continuously attached to the exterior shell along the lock seam. Smooth lined corrugated steel pipe has been available in the industry since the 1970's. It is currently specified by LRFD AASHTO, ASTM, Federal Highway Administration, the Corps of Engineers and several DOT's, including Michigan and Indiana.

Dura-Flow™, wall roughness is the same as for other smooth barrel pipes, such as concrete, clay tile, cast iron, and dual wall plastic, except that the longer joint spacing reduces the joint turbulence and corresponding losses. A conservative tested Manning's coefficient of .012 is used for Dura-Flow™ pipe. Other coefficients and hydraulic criteria customarily used for smooth concrete pipe under specific site conditions are also applicable.

Dura-Flow™, with its long lengths and light weight, is superior to other drainage materials in many difficult situations such as steep slopes, poor subsurface drainage, high fills and weak soils.

## Dura Flow™ service life.

Dura-Flow is available with either a galvanized coating or with Dow's Trenchcoat™ protective coating. Trenchcoat™ polymer coating is laminated to both sides of a coil and provides exceptional protection against corrosion and abrasion. Trenchcoat™ is approved by many DOT's including Michigan and Indiana.



Trenchcoat™ exceeds the requirements for a 75-year service life.

For more information call your St. Regis Culvert Manufacturer Representative. 1-800-527-4604.

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CULVERT INC.