



VS5-Drain - Project Report # 7

Project:

**Riverside Drive & Piere Street Improvement
City of Wenatchee, WA**

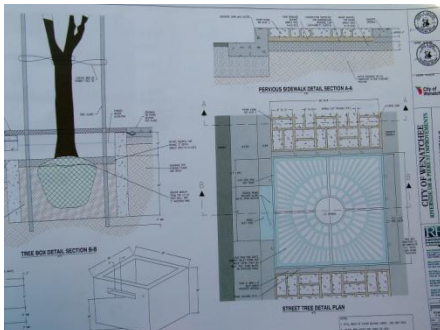
9,000 sq.ft. VS 5 - Drain

Stormwater runoff is Washington's largest source of pollution to the state's lakes, rivers and marine waters. Implementing storm-water management programs is part of the requirement under the federal Clean Water Act.

The City of Wenatchee decided to use VS5-Drain permeable pavement to avoid stormwater runoff by paving a strip between the street and side walk in an area which is assigned for future development.



The city constructed a new roadway known as Riverside Drive along the waterfront adjacent to the Columbia River.



A bio swale is located at the end of the sloped street. Street gutters have low spots in the curb and all are graded towards the swale. The gutters drain the rain down the hill with inlets to each tree basin along the gutter. As a tree box is filled up, the water keeps running to the next one until it reaches the bio swale.

Water seeping through the VS 5 Drain pavement is filtered slowly through the gravel layer, which is graded toward the bio swales.



The VS 5 Drain pavement:

The base material consists of 4 inches of open gravel followed by a layer of filter fabric and a leveling course of 1/4"-10 (1 1/2" thick).

Building construction on the Riverside Drive project is ongoing. Once this complex has been completed, newer photographs will be available.

Photo courtesy: Ray Johnson, Western Interlock Report provided by: Ray Johnson

Engineer: Erik Howe of RH2 Engineering

(RH2 won the 2010 EEA Bronze Award for this project)

**Construction:
Rod Hubbard of All Season Contracting**

VS 5 – Drain manufacturer:

Western Interlock
10095 Rickreall Road
Rickreall, OR 97371
T 503-623-9084