

Contech A-2000 PVC Sewer Pipe

SR-2
Sunnyslope Vicinity

WA-RD 272.1

Experimental Feature WA92-01
Post-Construction Report
May 1992



Washington State Department of Transportation

in cooperation with
U.S. Department of Transportation
Federal Highway Administration

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SR 2 AND SR 2 SPUR
SUNNYSLOPE VICINITY

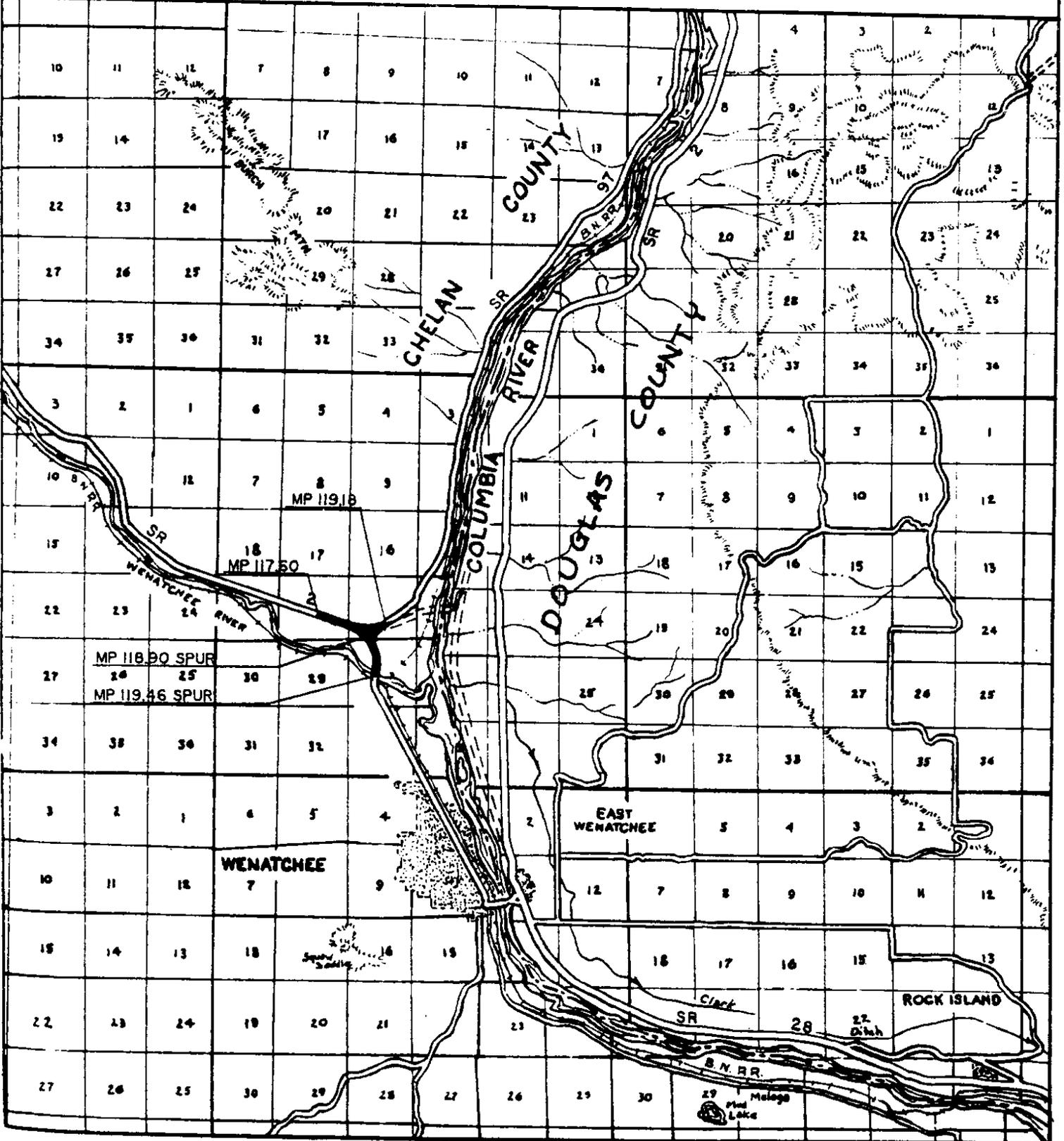
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

OLYMPIA, WASHINGTON

MAP OF STATE HIGHWAYS

CHELAN & DOUGLAS COUNTIES

Proposed Improvement



Introduction

The objective of this experimental feature is to evaluate the performance of Contech A-2000 PVC sewer pipe in a field installation.

Study Site

The Contech A-2000 pipe was installed on a project located near Wenatchee at the junction of SR-2 and SR-97 as shown on the vicinity map. The District 2 contract for the installation of the A-2000 pipe is described below in tabular form for easy reference.

Contract Number: 3991
Title: Sunnyslope Vicinity
Route Number: SR-2
County: Chelan and Douglas
Project Milepost Limits: MP 117.60 to MP 119.18
Storm Sewer Location: Easy Street
Location Stations: ES 10+00 to ES 35+62
Plan Quantity: 2,719 L.F.

Product Description

The A-2000 is a double walled (smooth interior) corrugated polyethylene pipe meeting the requirements of AASHTO M 294. It was substituted by change order for plain concrete sewer pipe in diameters of 8, 12, 15, and 18 inches.

Construction Summary

The installation of the pipe was completed on April 27, 1992. The pipe was easily handled by two men and no difficulties were encountered in completing the construction. Connecting and sealing the pipe required only a few minutes and compaction around the pipe was no more difficult to achieve than with any other type of pipe. No detectable amount of deformation was observed and the required pressure tests found no leakage in the completed sewer line.

Construction Evaluation

The project personnel and the contractor found the PVC sewer pipe easy to construction. A \$5,000 credit was received by WSDOT for the use of the PVC pipe in lieu of plain concrete sewer pipe.

Evaluation Plan

The sewer pipe will be inspected over a three year period to document any problems that might occur over the long term with this type of pipe.