



Professional Service Industries, Inc.
Michigan Testing Engineers Division

TESTED FOR: Press-Seal Gasket Corporation
6935 Lincoln Parkway
P.O. Box 10482
Fort Wayne, Indiana 46852

PROJECT: Test Procedure Monitoring

Attention: Mr. James W. Skinner
Vice-President

DATE: April 15, 1988

OUR REPORT NO.: 407-80024-1

REMARKS:

In accordance with your request, on April 15, 1988, Mr. Bud Gauntlett, of Professional Service Industries, Inc., reported to the Press-Seal Gasket Corporation to witness a test of the "Econoseal" gasket system for providing a flexible joint connection between sewer pipes and pre-cast manholes.

Mr. Gauntlett inspected the test apparatus, consisting of; two (2) "econoseal" resilient connectors, six (6) pre-cast, 48 inch diameter manhole casings, stacked upon a 48 inch diameter manhole base, with a combined total height of 24 feet, and two (2) sections of P.V.C. pipe, having a nominal diameter of 8 inches.

Two entry holes, directly opposite each other were present in the 48 inch diameter manhole base. Into these were installed the "Econoseal" resilient connectors and a section of P.V.C. pipe was then inserted into each, and secured, using Press-Seal Underwater Lubricating Compound. This compound is necessary for lubrication during positioning of P.V.C. pipes. Sufficient water was added to the apparatus to fill the 24 foot stack, thereby applying the required 10 psi at the center line of the connector, for a minimum period of 10 minutes. The test apparatus had been filled two days prior to Mr. Gauntlett's inspection.

One section of the P.V.C. pipe was deflected downward at an approximate 8° slope, the other was deflected approximately 8° horizontally from the center of the entry hole. The above mentioned procedure was performed in the presence of Mr. Gauntlett.

No leakage was observed around the joint of the "Econoseal" connector and the P.V.C. pipe at any time during the test.

Mr. Gauntlett observed dismantling of the referenced test apparatus, confirming that all parts were present as required, in compliance with A.S.T.M. C-923, Standard for Resilient Connectors between Reinforced Concrete Manhole Structures and Pipes.

Respectfully submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.