



**Professional Service Industries, Inc.**  
**Pittsburgh Testing Laboratory Division**

October 14, 1992

Flaherty-Wick, Incorporated  
110 Fifth Street  
West Elizabeth, Pennsylvania 15088-0624

Attention: Mr. Jim Flaherty

Re.: PermaCrete Test for Penetration into Concrete

On October 13 1992, we designed a new penetration test for your PermaCrete concrete hardening; product. The only modifications to the original specs were use of a different geometric configuration casting and use of a concrete mix which yielded compressive strength of almost twice of that used in the August 24, 1992 penetration test.

Using a 3-inch diameter cylinder 6-inches in length, designed and cast in our laboratory with a measured compressive strength of 3630 PSI, the cylinder was treated with PermaCrete only at the top using a single coat not injected, with the following results.

Visual inspection of the sample revealed that the PermaCrete penetrated completely through and out the bottom of the cylinder which was a distance of 6 inches.

Very truly yours,

PITTSBURGH TESTING LABORATORY DIVISION

A handwritten signature in black ink that reads 'C.A. Sherman'. The signature is written in a cursive, flowing style.

C. A. Sherman  
Department Manager  
Construction Services

CAS/mb