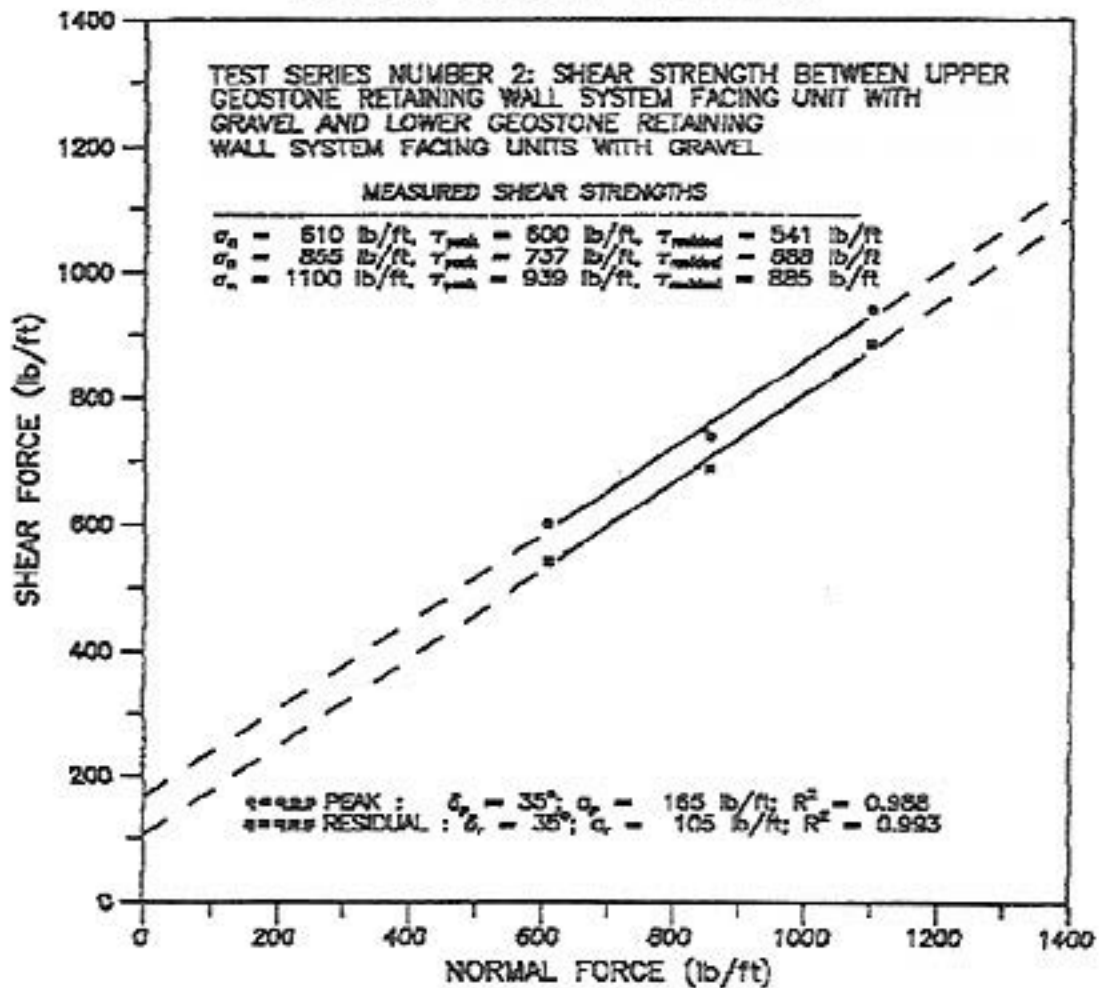


## GEOSTONE RETAINING WALL SYSTEMS, INC. BLOCK SHEAR TESTING



**NOTE:** The reported value of adhesion may not be the true adhesion of the interface, and caution should be exercised in using this adhesion value for applications involving normal stresses outside the range of stresses covered by the test.



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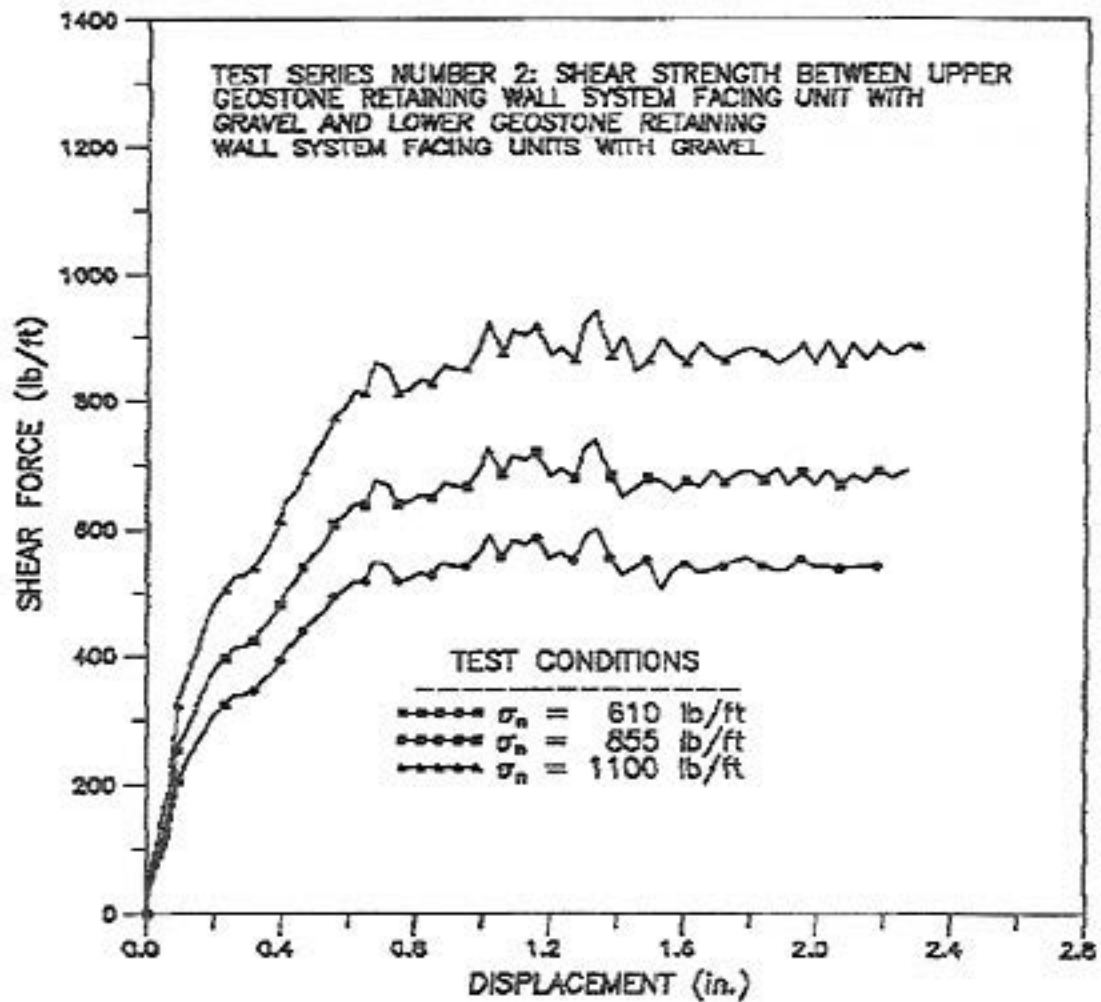
FIGURE NO.

PROJECT NO.

DOCUMENT NO.

FILE NO.

## GEOSTONE RETAINING WALL SYSTEMS, INC. BLOCK SHEAR TESTING



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SOIL-GEOSYNTHETIC INTERACTION TESTING LABORATORY

FIGURE NO.

PROJECT NO.

DOCUMENT NO.

FILE NO.

**TABLE C-1**

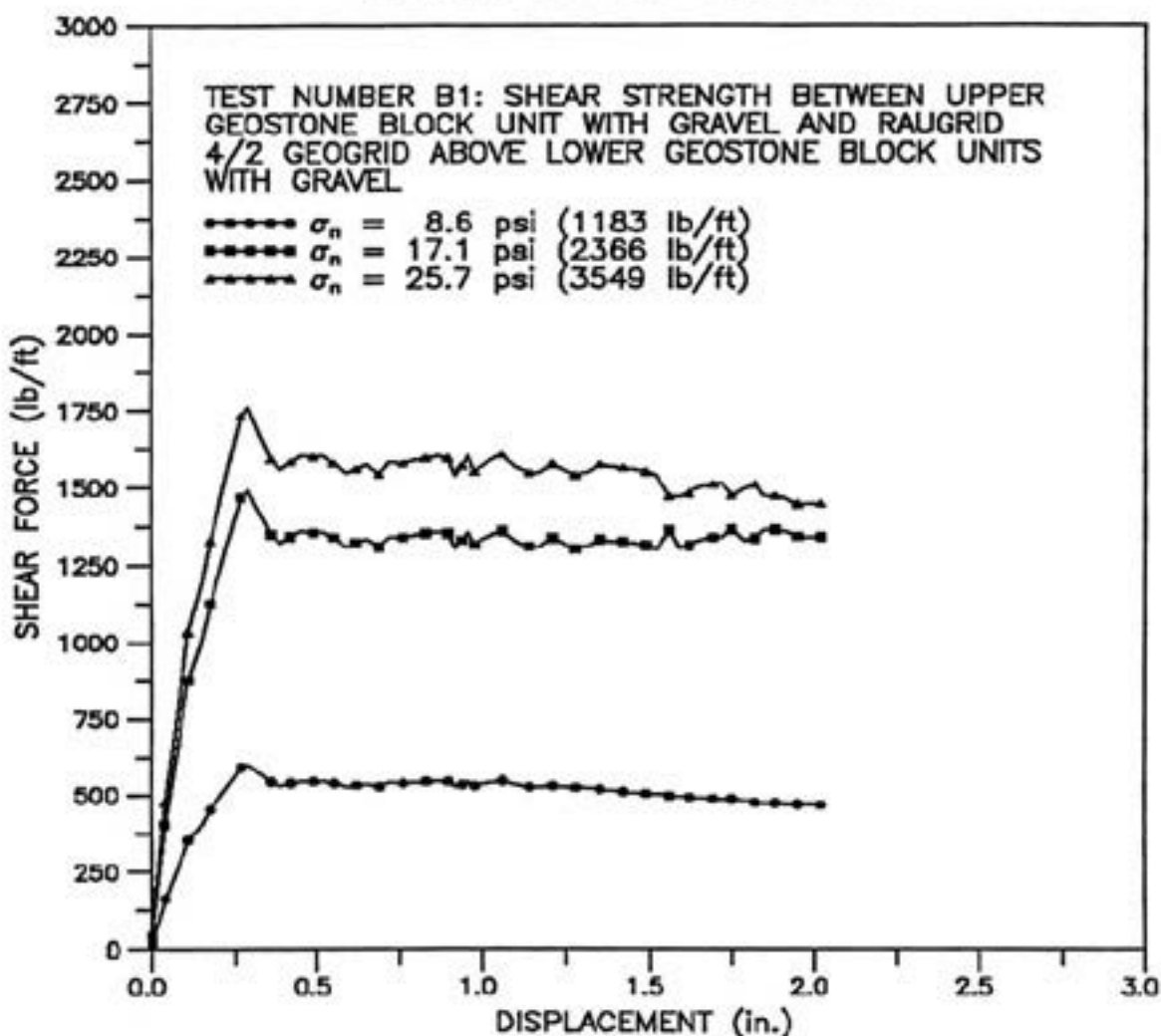
**SUMMARY OF TEST RESULTS  
BLOCK SHEAR TESTING  
GEOSTONE RETAINING WALL SYSTEMS, INC.**

TEST SERIES NUMBER	SPECIMEN TESTED	NORMAL FORCE <sup>(1)</sup> (lb/ft)	SHEAR RATE (in/min)	PEAK STRENGTH <sup>(2)</sup>		0.75-in. STRENGTH <sup>(2)</sup>		REFERENCE APPENDIX FIGURE NUMBERS
				FRICITION ANGLE	ADHESION (lb/ft)	FRICITION ANGLE	ADHESION (lb/ft)	
B1	Upper GeoStone Block Against Lower GeoStone Blocks With Gravel and Raugrid 4/2 Geogrid	1183 to 3549	0.02	26°	25	24°	60	C-1 and C-2
B2	Upper GeoStone Block Against Lower GeoStone Blocks With Gravel and Raugrid 6/3 Geogrid	1183 to 3549	0.02	28°	445	27°	395	C-3 and C-4

Notes: (1) The normal force reported is the load applied to the top of the upper block unit and gravel, using air pressure, divided by the full width of the facing unit.

(2) The reported shear strength parameters of friction and adhesion for each test series were determined from a best-fit line drawn through the test data. Caution should be exercised in using these shear strength parameters for applications involving normal forces outside the range of forces covered by the test series. The value of  $R^2$ , the coefficient of correlation, provides an indication of how well the best-fit shear strength parameters match the test data.

GEOSTONE RETAINING WALL SYSTEMS, INC.  
BLOCK SHEAR TESTING



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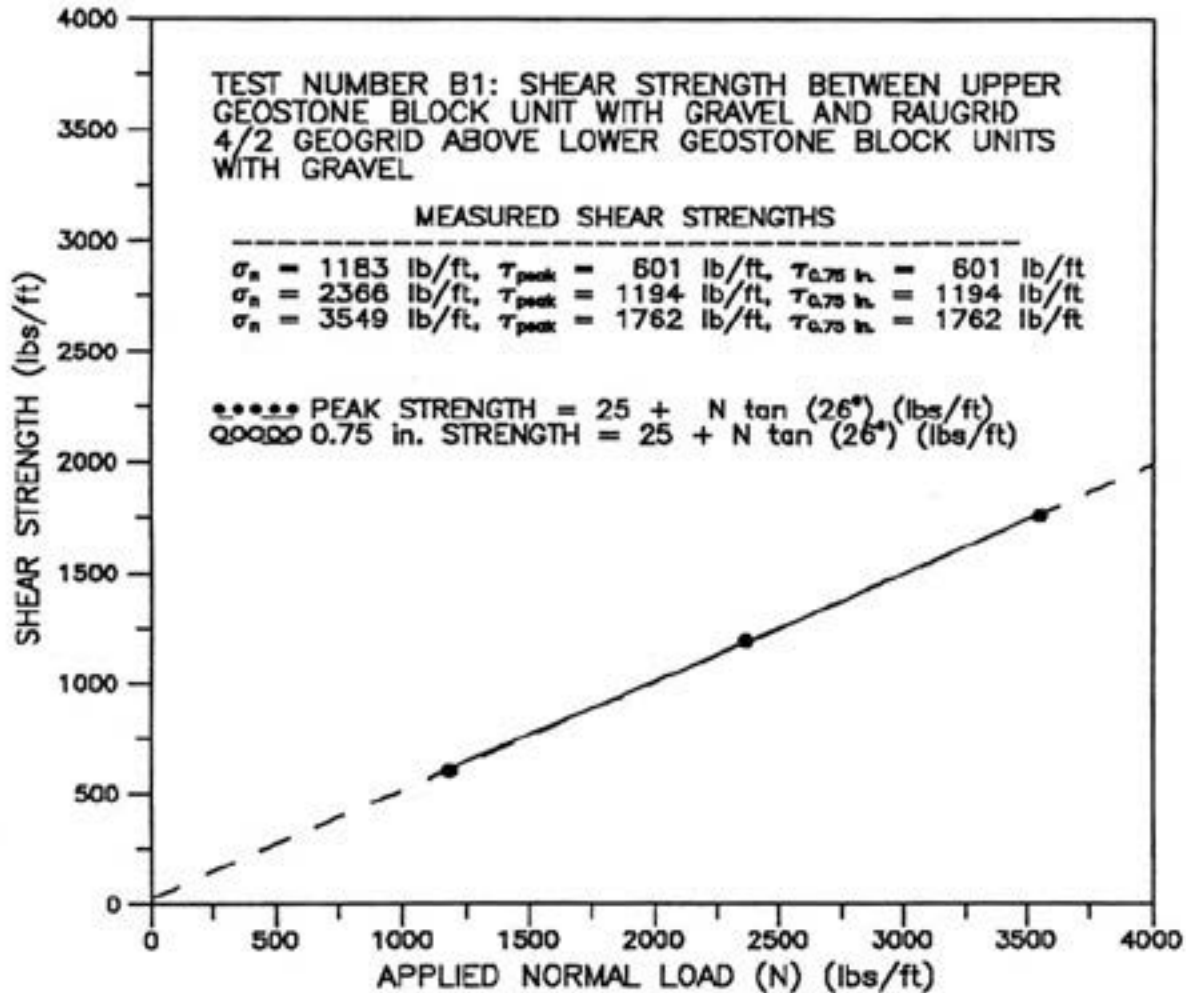
FIGURE NO.

PROJECT NO.

DOCUMENT NO.

FILE NO.

# GEOSTONE RETAINING WALL SYSTEMS, INC. BLOCK SHEAR TESTING



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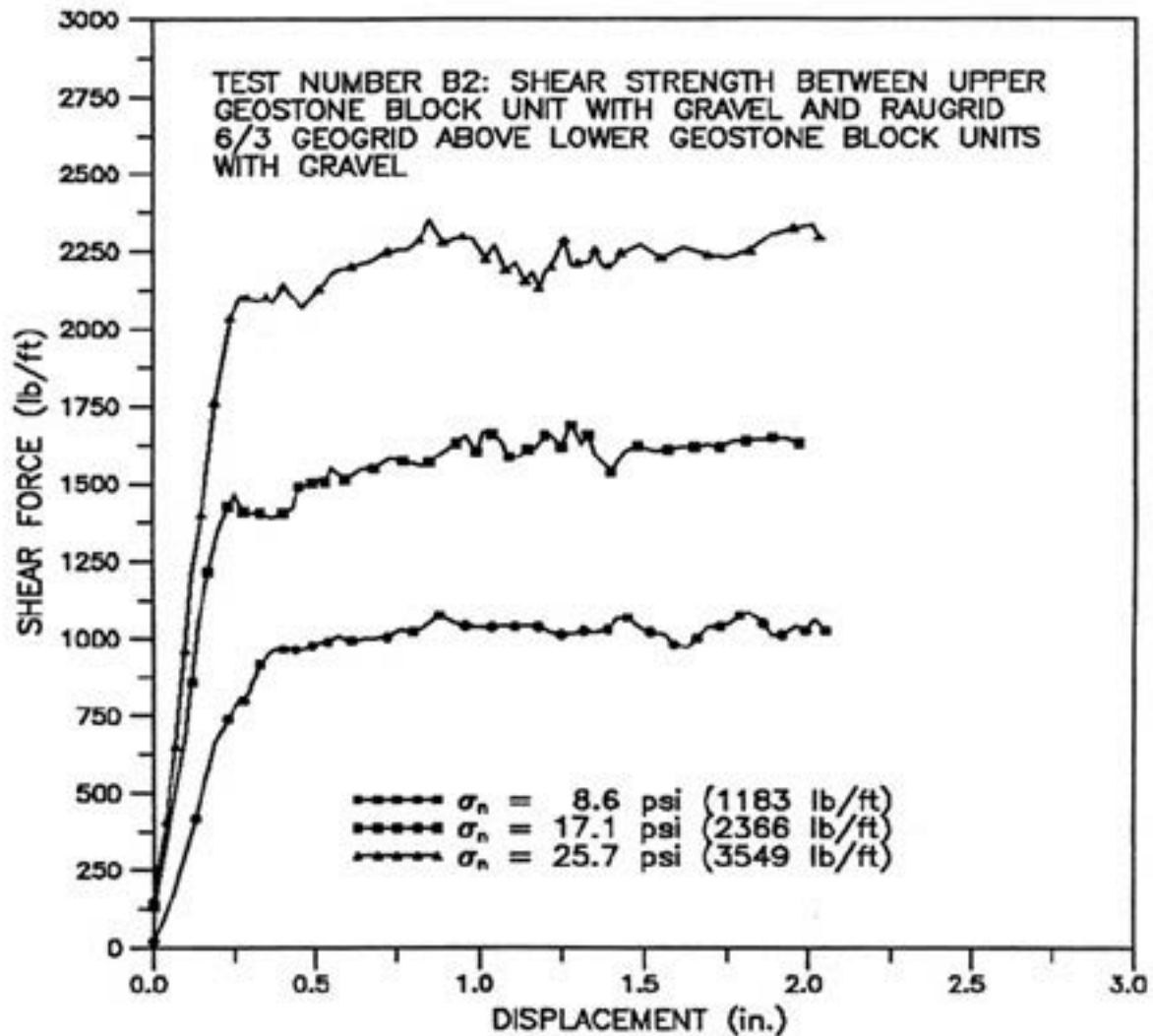
FIGURE NO.

PROJECT NO.

DOCUMENT NO.

FILE NO.

## GEOSTONE RETAINING WALL SYSTEMS, INC. BLOCK SHEAR TESTING



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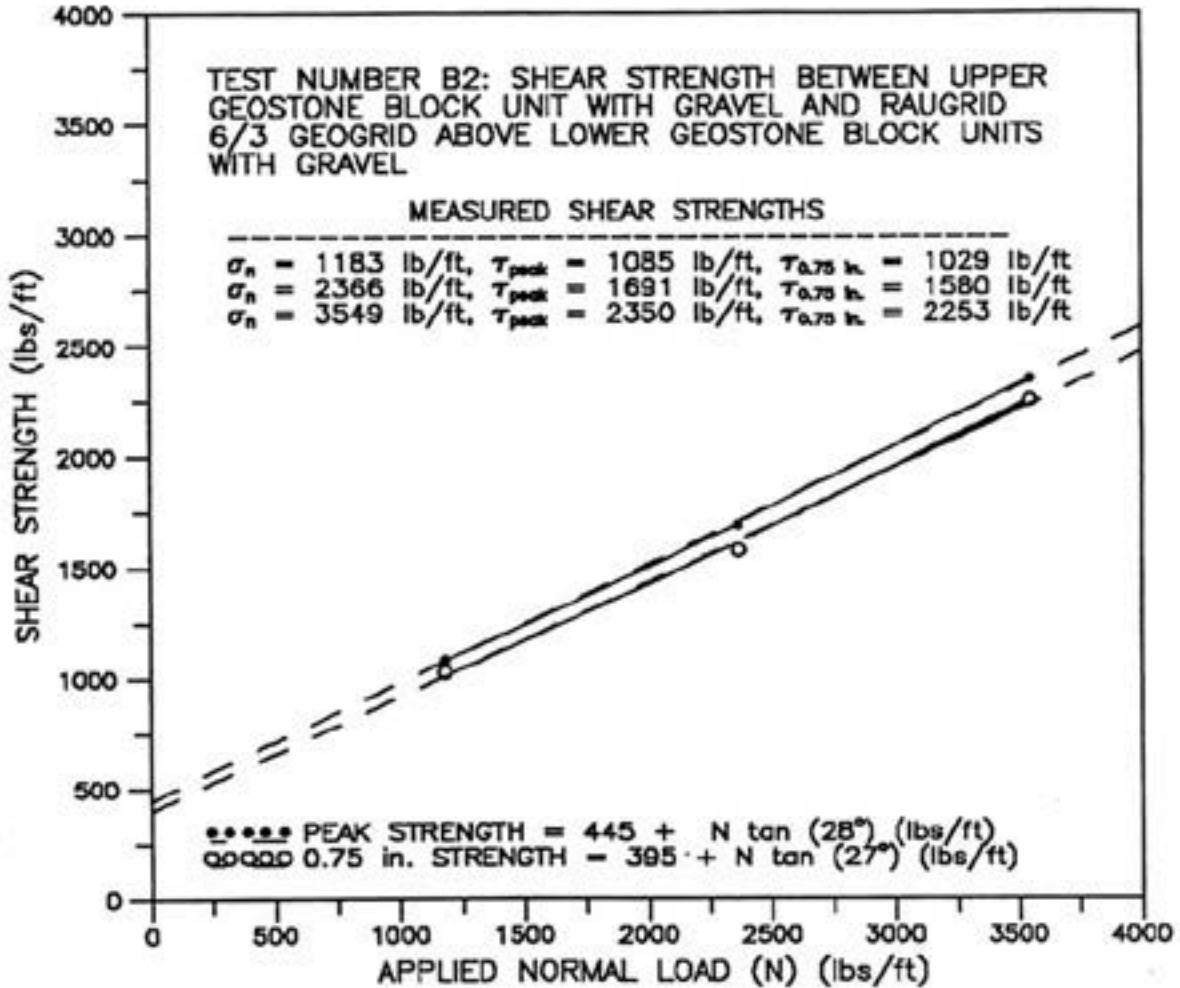
FIGURE NO.

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# GEOSTONE RETAINING WALL SYSTEMS, INC. BLOCK SHEAR TESTING



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FIGURE NO.

PROJECT NO.

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FILE NO.