



# GEOTECHNOLOGY, INC.

ENGINEERING AND ENVIRONMENTAL SERVICES  
SAINT LOUIS • COLLINSVILLE • KANSAS CITY

July 2, 2009

Report No. A-501347  
0863002.81IT.7001L

Mr. Kevin Thieret  
Earthworks, Inc.  
4287 North Highway 51  
Perryville, Missouri 63775

Re: Dimensional Stone Testing

Dear Mr. Thieret:

We report herewith results of tests conducted on samples of Dimensional Stone delivered to our laboratory on June 18, 2009. The samples were tested to determine the physical properties below.

<u>Test to Determine</u>	<u>Method of Test</u>
Standard Test Methods for Modulus of Rupture of Dimensional Stone	ASTM C 99

We trust this is the information you require. Please contact the undersigned if you have any questions regarding this report.

Respectfully submitted,

**GEOTECHNOLOGY, INC.**  
**Construction Materials Testing Group**

Z. R. Bolk  
CMT Laboratory Manager

ZRB/JAB:zrb

Copies Submitted: (1)  
Attachment: Test Results

**STANDARD TEST METHOD FOR MODULUS OF RUPTURE OF  
DIMENSIONAL STONE -- ASTM C 99**

**Material: Earthworks Gold- L1**  
**Source: Site # 2, St. Genevieve County, MO**

	<u>Modulus of Rupture Parallel to Rift, psi</u>	<u>Modulus of Rupture Perpendicular to Rift, psi</u>
1.	2,577	3,121
2.	2,717	2,768
3.	2,551	2,893
4.	2,789	2,370
5.	<u>2,665</u>	<u>2,577</u>
Avg.	2,660	2,122

**Material: Earthworks Gold- L2**  
**Source: Site # 2, St. Genevieve County, MO**

	<u>Modulus of Rupture Parallel to Rift, psi</u>	<u>Modulus of Rupture Perpendicular to Rift, psi</u>
1.	2,012	1,753
2.	1,571	1,063
3.	1,503	1,089
4.	1,499	2,012
5.	<u>1,042</u>	<u>1,836</u>
Avg.	1,525	1,551

**Material: Earthworks Gold- L04**  
**Source: Site # 2, St. Genevieve County, MO**

	<u>Modulus of Rupture Parallel to Rift, psi</u>	<u>Modulus of Rupture Perpendicular to Rift, psi</u>
1.	2,541	2,390
2.	2,805	1,794
3.	2,774	1,530
4.	2,084	1,499
5.	<u>1,660</u>	<u>2,281</u>
Avg.	2,373	1,899