

Giles Engineering Associates, Inc.

GEOTECHNICAL, ENVIRONMENTAL AND CONSTRUCTION MATERIALS CONSULTANTS
N8 W22350 JOHNSON DRIVE, SUITE A1 / WAUKESHA, WI 53186 / (262) 544-0118 / FAX: (262) 549-5868

Report of Tests on Concrete Masonry Units

CLIENT: Silver Creek Stoneworks
7200 N Hwy 63
Rochester, MN

PROJECT: Silver Creek Stoneworks

DATE: April 13, 2007

PROJ. NO.: 1M-0704011

Nominal Size & Type: Pavers
18 x 1.5 x 18

Lab No.: B-07016

Units Manufactured by: Silver Creek Stoneworks

Date Received: 4/9/2007

Units sampled by: client

Date Made:

Sampled from: plant stock

Material: Calcareous Sand and Gravel

Client Ref. ID: G1-G3

Compressive Strength Analysis

Unit ID	Test Date	Test Age (days)	Maximum Load (lbs)	Coupon Area (sq in)	Compressive Strength (psi)	Fracture Type	Remark
G1	4/12/2007		475000	35.98	13200		Coupon tested
G2	4/12/2007		475000	36.44	13030		Coupon tested
G3	4/12/2007		432435	35.77	12090		Coupon tested
Average			460812	36.06	12773		

NOTE: Coupons cut to 4.4 in x 1.7 in x 8.1 in nominal.

ASTM Specified Minimum Compressive Strength	Individual	7200
	Average	8000

Test Method Used: ASTM C 140

Comment: G1 and G2 did not fail. 475,000 lbs is maximum load of compression machine.

Specification Used: ASTM C 936

Reviewing Engineer: Charles S. Gresser, P.E.

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DATE: April 13, 2007

PROJ. NO.: 1M-0704011

Nominal Size & Type: Paver
18 x 1.5 x 18

Lab No.: B-07015

Units Manufactured by: Silver Creek Stoneworks

Date Received: 4/9/2007

Units sampled by: client

Date Made:

Sampled from: plant stock

Material: Calcareous Sand and Gravel

Client Ref. ID: W1-W6

Compressive Strength Analysis

Unit ID	Test Date	Test Age (days)	Maximum Load (lbs)	Coupon Area (sq in)	Compressive Strength (psi)	Fracture Type	Remark
W1	4/12/2007		391600	34.08	11490		Coupon tested
W2	4/12/2007		471860	34.08	13850		Coupon tested
W3	4/12/2007		411450	34.76	11840		Coupon tested
Average			424970	34.31	12393		

NOTE: Coupons cut to 4.3 in x 1.7 in x 8.0 in nominal.

ASTM Specified Minimum Compressive Strength	Individual	7200
	Average	8000

Test Method Used: ASTM C 140

Specification Used: ASTM C 936

Reviewing Engineer: Charles S. Gresser, P.E.