



SMITH-EMERY LABORATORIES

An Independent Commercial Testing Laboratory, Established 1904

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Proj./Job No.: 38079-1
Lab. No.: L-08-2322 B

September 2, 2008

Client: **NDS, INC.**
21820 Burbank Blvd., Suite 200
Woodland Hills, CA 91367
Attn: Louis F. Tavares

Project: **Gravel Paver Materials -NDS EZ Roll Gravel Paver**
Subject: **Compressive Strength and Proof Load Test**
Test Procedure: *As per Client's Instruction*
Source: **Gravel Paver and Aggregates were Submitted by Client on August 27, 2008**
Date Tested: **August 27, 2008**

Report of Test

Compressive Strength Test: Paver Sample Without Aggregate

NDS EZ Roll Gravel Paver sample, 2-ft x 2-ft was placed in the compression machine, Timius Olsen SN 133570, with the steel base of the machine served as the base of the sample. A 12-in. x 12-in. steel plate was placed on to top of the sample and load was applied at the rate of crosshead speed of the testing machine at 0.15 inch per minute up to failure.

Test No.	Size of Plate	Max. Load, Lbs.	Area, Sq. In.	Max. Load, PSI	Remarks
1	12-in x 12-in.	66,970	144	465	Paver samples deformed at top
2	12-in x 12-in.	66,430	144	461	Paver samples deformed at top
3	12-in x 12-in.	66,590	144	462	Paver samples deformed at top
Average				463	Please see attached photo

Proof Load Test: Paver Sample With 3/8-in. Size Aggregate

NDS EZ Roll Gravel Paver sample, 2-1/5 ft x 2-ft was place in the compression machine, Baldwin SN P-16-04011914, with the steel base of the machine served as the base of the sample. It was filled with aggregates provided and proof load was applied and then released.

1. Aggregate Up to 1/8-inch on Top of the Sample

Test No.	Size of Plate	Area, Sq. In.	Applied Load, Lbs.	Remarks
1	12-in x 12-in.	144	315,000	Gravel was crushed, stopped at approx. 315 K load. Paver sample not damage. Please see attached photo.

2. Aggregate Flushed on Top of the Sample

Test No.	Size of Plate	Area, Sq. In.	Applied Load, Lbs.	Remarks
1	12-in x 12-in.	144	500,000	Top portion of the sample was compressed with minor aggregate imprint around the cell. Please see attached photo.

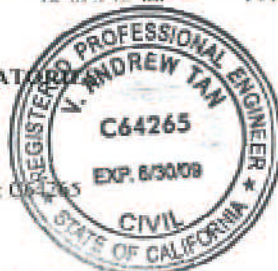
3. Aggregate Up to 1/4-inch on Top of the Sample

Test No.	Size of Plate	Area, Sq. In.	Applied Load, Lbs.	Remarks
1	12-in x 12-in.	144	500,000	Top portion of the sample was compressed with aggregate imprint around the cell. Please see attached photo.

Respectfully Submitted,

SMITH - EMERY LABORATORIES

V. Andrew Tan
Registered Civil Engineer No.: 064265
Registration Expires: 6/30/09



- Materials Tested Comply With Specifications.
- Materials Tested Did Not Comply With Specifications.
- No Established Criteria for Acceptable Limits.
- For Information Only



EZ ROLL™ GRAVEL PAVERS



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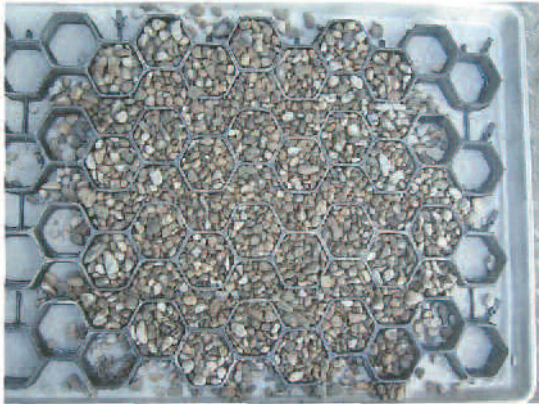


Photo No.1: Prepared Sample

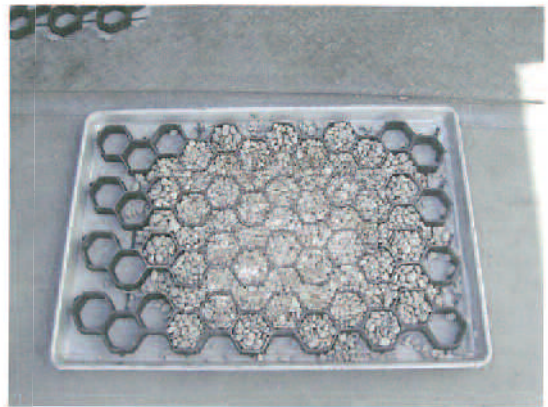


Photo No.3: After Test



Photo No.2: Test Set-up
NDS EZ Roll Gravel Paver
(12-In.x 12-In. Compression Loading Plate: Aggregate @ Flushed)
(Proof load = 500,000Lbs.)



Photo No.4: After Test
NDS EZ Roll Gravel Paver
(12-In.x 12-In. Compression Loading Plate: Aggregate @ Flushed)
(Proof Load = 500,000Lbs.)



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Photo No.1: After Test

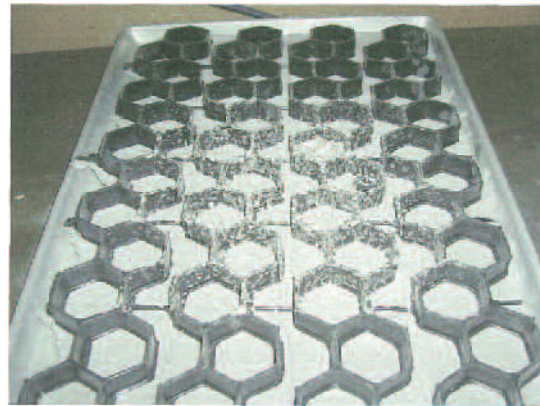


Photo No.3: After Test



Photo No.2: After Test
NDS EZ Roll Gravel Paver

(12-In.x 12-In. Compression Loading Plate: Aggregate @ 1/4-In. Height)
(Proof Load = 500,000 Lbs.)



Photo No.4: After Test
NDS EZ Roll Gravel Paver

(12-In.x 12-In. Compression Loading Plate: Aggregate @ 1/4-In. Height)
(Proof Load = 500,000Lbs.)