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MAXIM
TECHNOLOGIES INC

5 June 2003

Mr. Kevin Johnson
Eberline Analytical Corporation
DBA Eberline Services
4501 Indian School Road, NE Suite G-105
Albuquerque, NM 87110

JUN 2003 6/17/03
RECEIVED

Re: Geotechnical Data

Mr. Johnson:

Please find the enclosed geotechnical data reports corresponding to the analysis of samples received at the Maxim Technologies, Inc. St. Louis facility.

These reports include grain size distribution plots, moisture content and specific gravity results.

A copy of this report was also sent to Mr. Stephen Trent, Fluor-Hanford.

Should you need any additional information, please contact Mr. David Germeroth or the undersigned at (314) 426-0880.

Sincerely,

Paul J. Smith
Analytical Services, Coordinator

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EDMC

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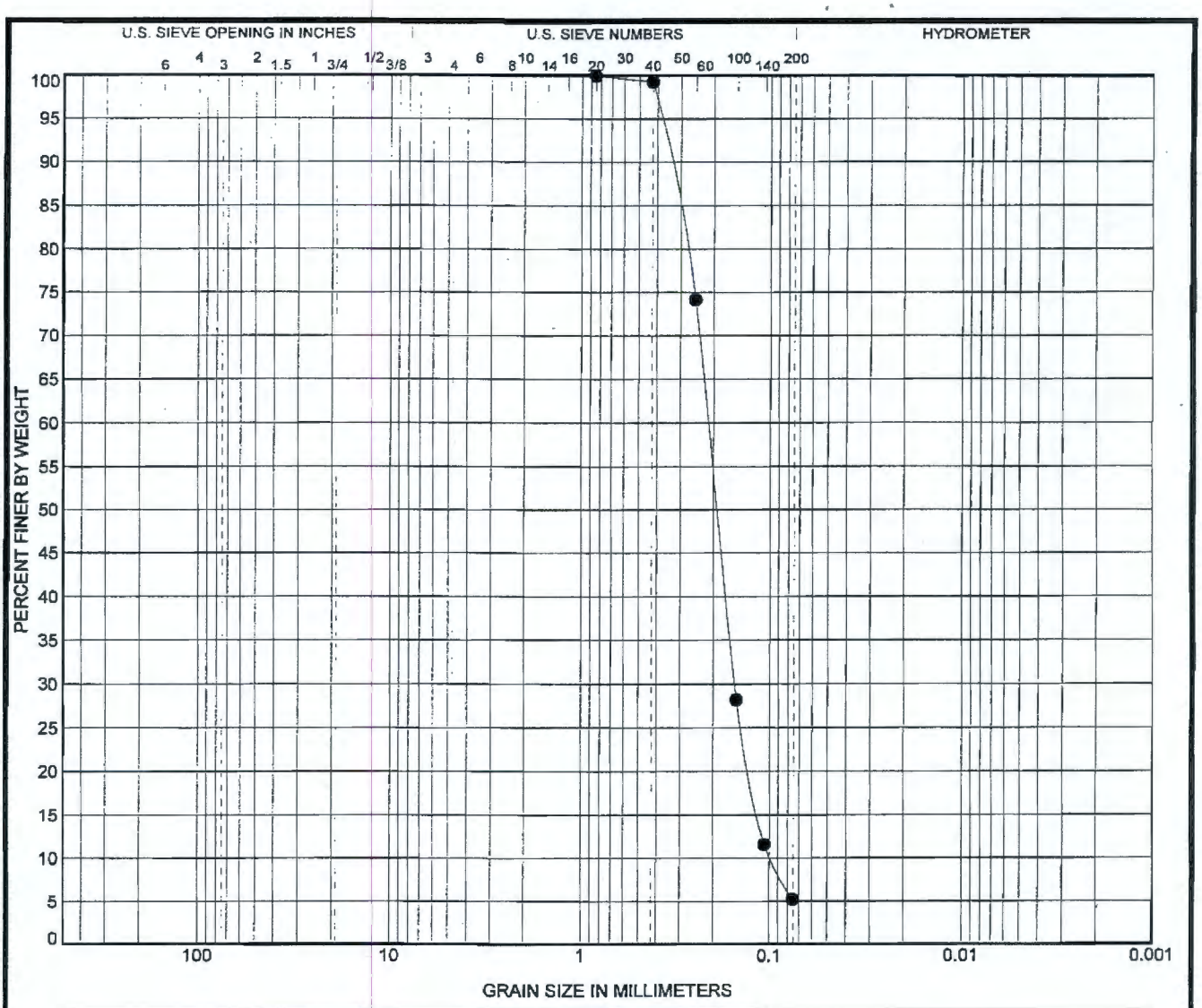
1908 Innerbelt Business Center Drive • St. Louis, MO 63114-5700 • 314-426-0880 • 314-426-4212 FAX



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	LL	PL	PI	Cc	Cu
●	030527001-001	0.0	Soil				1.13	2.20
	B16T47							

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	030527001-001	0.0	0.85	0.214	0.153	0.097	0.0	94.7	5.2	

MAXIM

Maxim Technologies, Inc.
1908 Innerbelt Business Center Drive
St. Louis, Missouri 63114
Telephone: 314-426-0880
Fax: 314-426-4212

GRAIN SIZE DISTRIBUTION

Project: Eberline

Location: St. Louis

Number: 9905093

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US GRAIN SIZE EBERLINE.GPJ US LAB.GDT 6/5/03

Maxim Technologies, Inc.

Specific Gravity, GEO-230

Project: Eberline

Performed By: DEG

Sample Number	B16T47	
Flask Number	16	2
Volume of flask	100.00	100.00
Wt. Flask+water+soil = Wbws	169.15	173.15
Temperature	20.00	20.00
Wt. Flask + water = Wbw	162.23	166.07
Weight of dry soil = Ws	11.38	12.25
Ww = Ws + Wbw - Wbws	4.46	5.17
Alpha	0.9900	0.9900
Gs = Alpha * Ws/Ww	2.526	2.346
Average Specific Gravity	2.44	

Maxim Technologies, Inc.
Sieve Analysis

Project Number: 9905093-100
Tested By: Ron Swaller
Sample Number: B16T47

Original Sample Size (gm):	200.00

Client: Thermo Nutech-Eberline
Test Date: 5/23/2003
File name:Sieve-Eberline-05-23-03

Sieve Number	Diameter (mm)	Tare (gm)	Tare + Soil, (gm)	Weight Retained (gm)	% Retained	% Passing
3"	75			0.00	0.00	100.00
2"	50			0.00	0.00	100.00
1.5"	37.5			0.00	0.00	100.00
1"	25.4			0.00	0.00	100.00
0.75"	19			0.00	0.00	100.00
0.375"	9.52			0.00	0.00	100.00
4	4.75			0.00	0.00	100.00
10	2			0.00	0.00	100.00
20	0.85	56.24	56.38	0.14	0.07	99.93
40	0.425	53.94	55.32	1.38	0.69	99.24
60	0.25	51.35	101.53	50.18	25.09	74.15
100	0.15	81.00	172.96	91.96	45.98	28.17
140	0.106	49.22	82.40	33.18	16.59	11.58
200	0.075	115.84	128.57	12.73	6.36	5.22
PAN		121.76	130.28	8.52	4.26	0.96

REVISED
8/3/2005
AL Matthiesen

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Electronic Data Deliverable
Maxim Technologies, Inc.

Client: Eberline
Project 9905093 Date: 6/1/03

Sample Identification			ASTM D422, Particle Size Distribution				ASTM 2216	ASTM 854
Client Sample Number	Sample Delivery Group	Sample Description	D_{100} (mm)	D_{60} (mm)	D_{30} (mm)	D_{10} (mm)	Moisture Content (%)	Specific Gravity
B16T47	H2154	sandy	0.85	0.214	0.153	0.097		2.44
B16HB9	H2153	sandy					4.4	
B16HB7	H2120	sandy	25.4	4.256	0.841	0.091	3.4	
B16HB9	H2153	sandy	2	0.762	0.477	0.158	2.6	
B16RY8	H2155	sandy	4.75	0.635	0.427	0.191	4.0	
B16RY9	H2168	sandy	4.75	1.036	0.56	0.258	1.7	
B16HC0	H2169	sandy	4.75	0.86	0.467	0.202	4.3	
B16T00	H2185	sandy	4.75	0.986	0.388	0.08	2.8	

REVISED 8/3/2005 AL Matthiessen

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