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Revision / H2185 F03-006

MAXIM
TECHNOLOGIES INC

5 June 2003

Mr. Stephen J. Trent
Fluor-Hanford, Inc.
825 Jadwin Ave.
Richland, WA 99352

Re: Geotechnical Data

Mr. Trent :

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.

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

JUN 2003 6/17/03 RECEIVED

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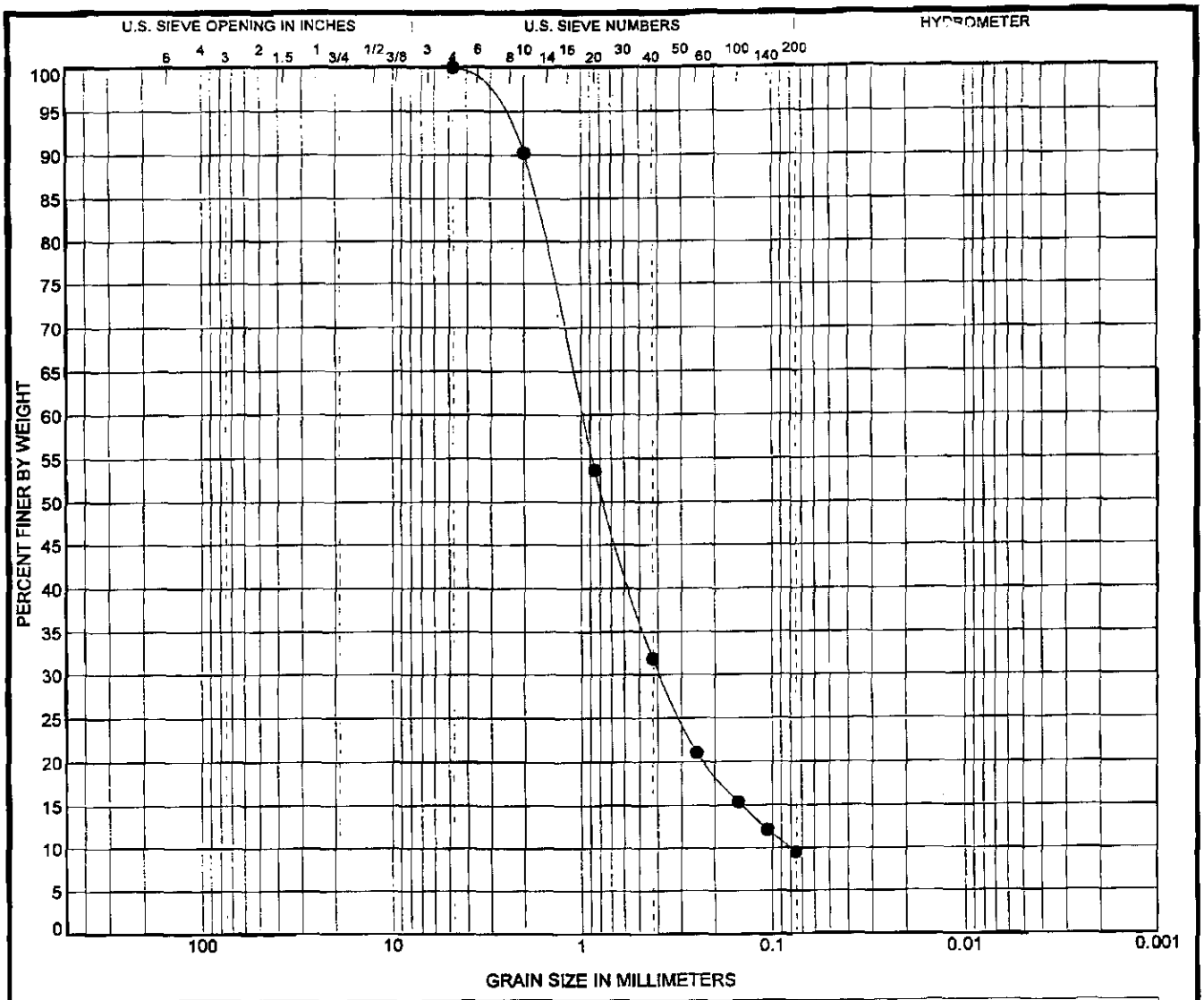
1908 Innerbelt Business Center Drive • St. Louis, MO 63114-5700 • 314-426-0880 • 314-426-4212 FAX



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	LL	PL	PI	Cc	Cu
●	030523001-007	0.0	Soil				1.92	12.38
	B16T00							

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	030523001-007	0.0	4.75	0.986	0.388	0.08	0.0	90.4	9.5	

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

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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Moisture Content, ASTM D2216

MAXIM Technolgies, Inc.
1908 Innerbelt Business Center Drive
St. Louis, MO 63114-5700
314-426-0880

Client: ThermoNutech/Eberline

Date: 5/6/2003

Project Number: 9905093-100

File: Eberline-Moisture-5-6-03

Performed By: Ron Swaller

Maxim Sample Number	Client Sample Name	Container Number	Container Weight	Wet Sample + Container	Dry Sample + Container	Moisture Content (%)
030523001-007	B16T00	5X	11.88	39.08	38.35	2.8
030523001-001	B16HB7	13T	11.91	36.47	35.67	3.4
030523001-003	B16HB9	Q102	11.55	37.05	36	4.3
030523001-005	B16RY8	25	11.82	36.48	35.54	4.0
030523001-006	B16RY9	36	12.08	37.26	36.85	1.7
030523001-004	B16HCO	43	12.06	35.55	34.59	4.3
030523001-004	B16HCO-dup	X-18	11.55	37.74	36.71	4.1

Remarks:

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Maxim Technologies, Inc.
Sieve Analysis

Project Number: 9905093-100
Tested By: Ron Swaller
Sample Number: B16T00

Client: Thermo Nutech/Eberline
Test Date: 5/6/2003
File name:Eberline-5-6-03

Original Sample Size (gm):	500.00

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	129.50	129.68	0.18	0.04	99.96
10	2	113.94	162.64	48.70	9.74	90.22
20	0.85	163.33	346.25	182.92	36.58	53.64
40	0.425	169.94	278.97	109.03	21.81	31.83
60	0.25	162.01	216.02	54.01	10.80	21.03
100	0.15	97.90	126.17	28.27	5.65	15.38
140	0.106	99.44	115.56	16.12	3.22	12.15
200	0.075	110.65	123.70	13.05	2.61	9.54
PAN		112.6	153.4	40.8	8.16	1.38

REVISED 8/3/2005
AL Matthiessen

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Maxim Technologies, Inc.
Sieve Analysis

Project Number: 9905093-100
Tested By: Ron Swaller
Sample Number: B16T01

Client: Thermo Nutech/Eberline
Test Date: 5/6/2003
File name:Eberline-5-6-03

Original Sample Size (gm):	500.00

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	113.22	118.37	5.15	1.03	98.97
10	2	111.38	150.06	38.68	7.74	91.23
20	0.85	114.93	249.40	134.47	26.89	64.34
40	0.425	112.00	211.21	99.21	19.84	44.50
60	0.25	110.67	165.92	55.25	11.05	33.45
100	0.15	112.15	151.15	39.00	7.80	25.65
140	0.106	113.90	140.96	27.06	5.41	20.24
200	0.075	116.44	142.63	26.19	5.24	15.00
PAN		112.14	169.91	57.77	11.554	3.44

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8/3/2005
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MAXIM
TECHNOLOGIES INC
A TETRA TECH COMPANY

June 26, 2003

Steve Trent
Sample Management Project Coordinator
Fluor Hanford - Central Plateau Project
825 Jadwin Avenue
Richland, WA 99352

Dear Mr. Trent:

Maxim is transmitting to you data sheets for the following items:

Group	Sample Numbers
H2100	B16HC1, B16HC2
H2105	B16HC3
H2120	B16HB8
H2185	B16T01
H2203	
H2209	

If you have any questions regarding this matter, please call me at 314-426-0880.

Sincerely,

David E. Germeroth

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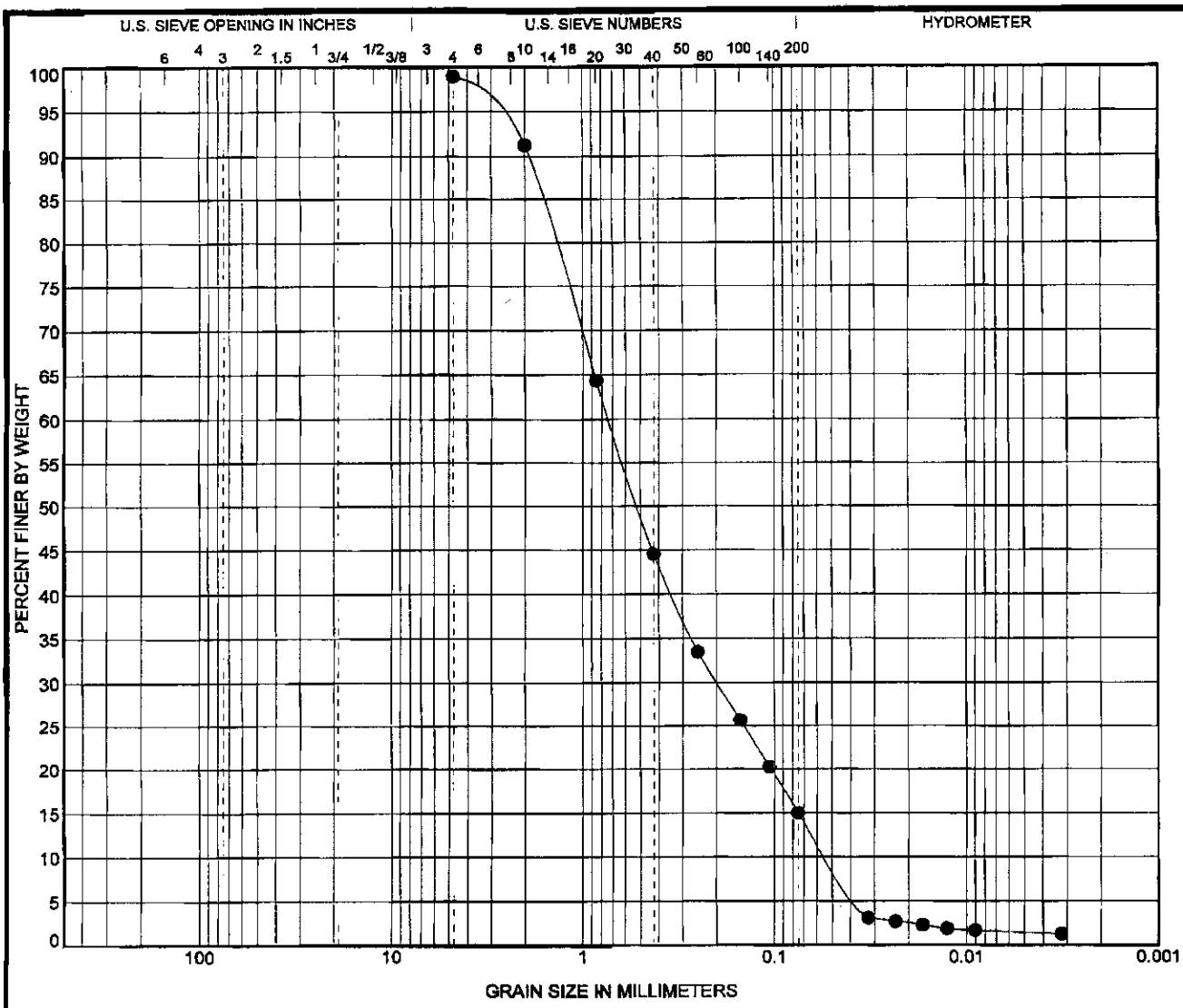

COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	LL	PL	PI	Cc	Cu
●	030523001-008	0.0	Soil				1.03	13.86
	B16T01							

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	030523001-008	0.0	4.75	0.73	0.199	0.053	0.0	84.0	13.5	1.5

US GRAIN SIZE EBERLINE.GPJ US LAB.GDT 6/19/03

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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Moisture Content, ASTM D2216

MAXIM Technolgies, Inc.
1908 Innerbelt Business Center Drive
St. Louis, MO 63114-5700
314-426-0880

Client: ThermoNutech/Eberline

Date: 5/6/2003

Project Number: 9905093-100

File: Eberline-Moisture-5-6-03

Performed By: Ron Swaller

Maxim Sample Number	Client Sample Name	Container Number	Container Weight	Wet Sample + Container	Dry Sample + Container	Moisture Content (%)
030523001-002	B16T01	55	11.84	36.59	35.98	2.5
030523001-007	B16T00	5X	11.88	39.08	38.35	2.8
030523001-003	B16HB9	Q102	11.55	37.05	36	4.3
030523001-005	B16RY8	25	11.82	36.48	35.54	4.0
030523001-006	B16RY9	36	12.08	37.26	36.85	1.7
030523001-004	B16HCO	43	12.06	35.55	34.59	4.3
030523001-004	B16HCO-dup	X-18	11.55	37.74	36.71	4.1

Remarks: All weights in grams

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RB