CONSTRUCTION INSPECTION & TESTING CO.
618 South Madison Drive
Tempe, Arizona 85281-7248
Phone (480) 446-9876 Fax (480) 446-7580
www.citaz.com

August 04, 2009

Argus Consulting
10405 East McDowell Mountain Ranch Road, Suite 202E
Scottsdale, AZ 85255-1301

Re: Scour Analysis (S-1 thru S-11)

Project: Grand Vista
211th Avenue and Dove Valley Road Alignments
Maricopa County, Arizona

CIT Project No. 67184

Attention: Jorge Garre

Pursuant to your request, CIT has completed the soil investigation for scour analysis for the subject project.

Eleven (11) locations were sampled for gradation analysis. The sample locations were located in the field with assistance from the client. The sample location coordinates are tabulated below and aerial photographs of the sample locations are attached.

Sample Identification	Coordinates (Northern and Easting)	Sample Depth
S-1	1024799.9333 - 531952.6813	0-1 Foot
S-2	1022727.7274 - 532130.2990	0-1 Foot
S-3	1020328.8613 - 533854.4647	0-4 inches
S-4	1019276.3122 - 531663.8471	0-1 Foot
S-5	1017519.8710 - 533808.4157	0-1 Foot
S-6	1015020.0671 - 535255.6706	0-1 Foot
S-7	1014658.6188 - 536840.7072	0-1 Foot
S-8	1013348.7800 - 533601.1951	0-1 Foot
S-9	1010411.8759 - 531667.1363	0-1 Foot
S-10	1010157.5098 - 540438.3782	0-1 Foot
S-11	1009078.6471 - 536026.4435	0-1 Foot

* Sample Location Coordinates provided by Client.

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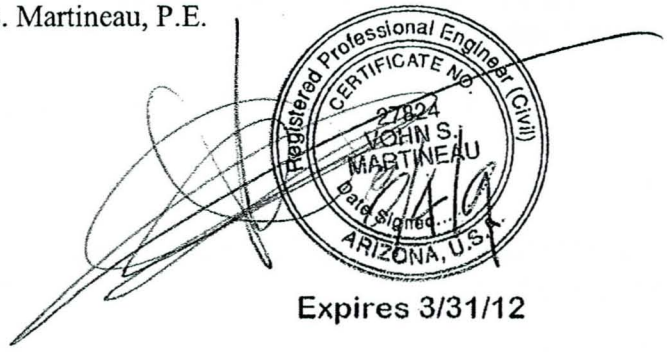
Each sample was analyzed in the laboratory for gradation. The resulting data is presented in grain size distribution curves (attached).

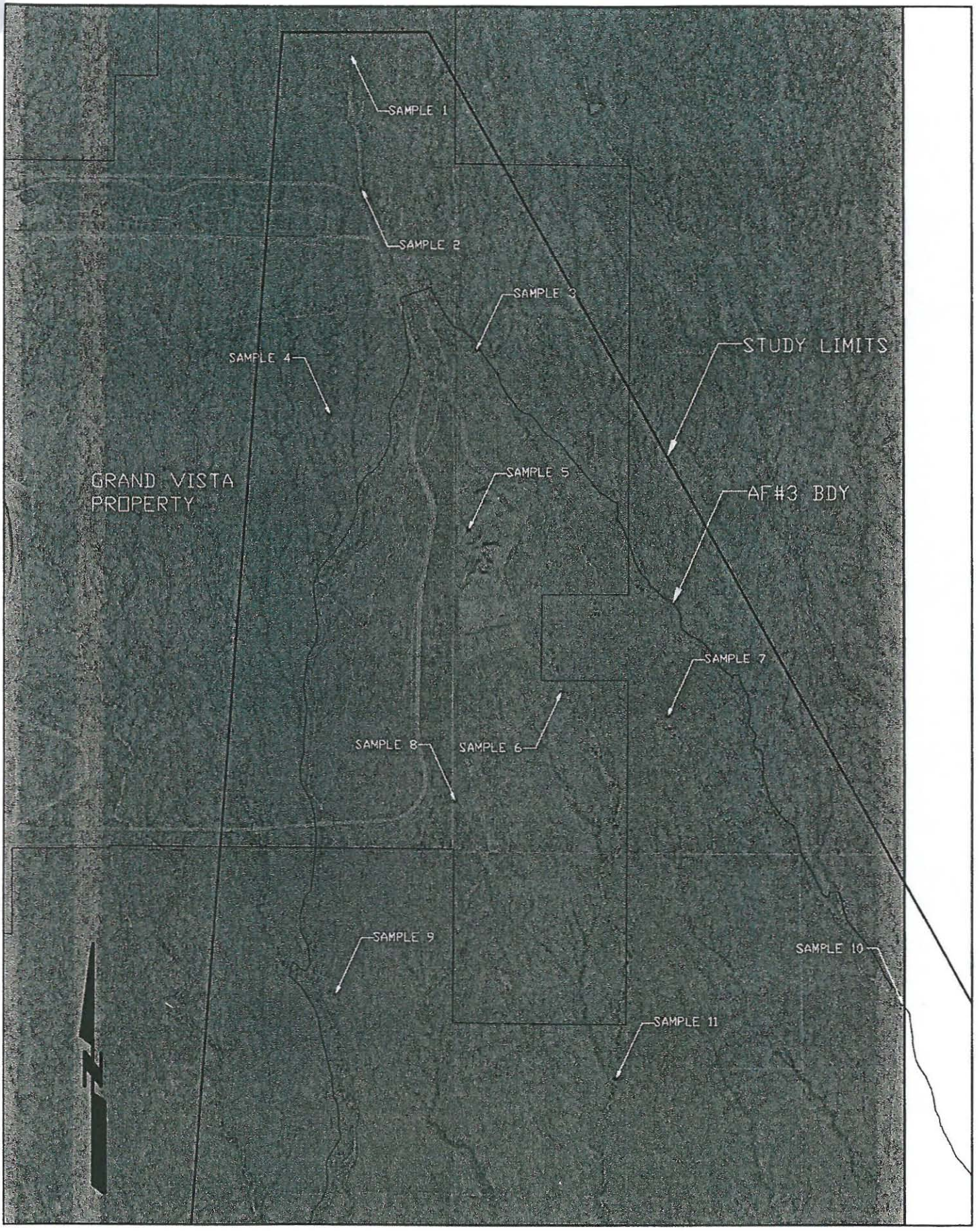
If there are any questions, please call the undersigned.

Respectfully submitted,
Construction Inspection & Testing Co.

Vohn S. Martineau, P.E.



Expires 3/31/12


SAMPLE 1
SAMPLE 2
SAMPLE 3
SAMPLE 4
STUDY LIMITS
GRAND VISTA
PROPERTY
SAMPLE 5
AF#3 BDY
SAMPLE 7
SAMPLE 8
SAMPLE 6
SAMPLE 9
SAMPLE 10
SAMPLE 11

STUDY LIMITS
SAMPLE #1
N

SAMPLE #2
N

AF #3 BDY
SAMPLE #3
N

AF #3 BDY
SAMPLE #4
N

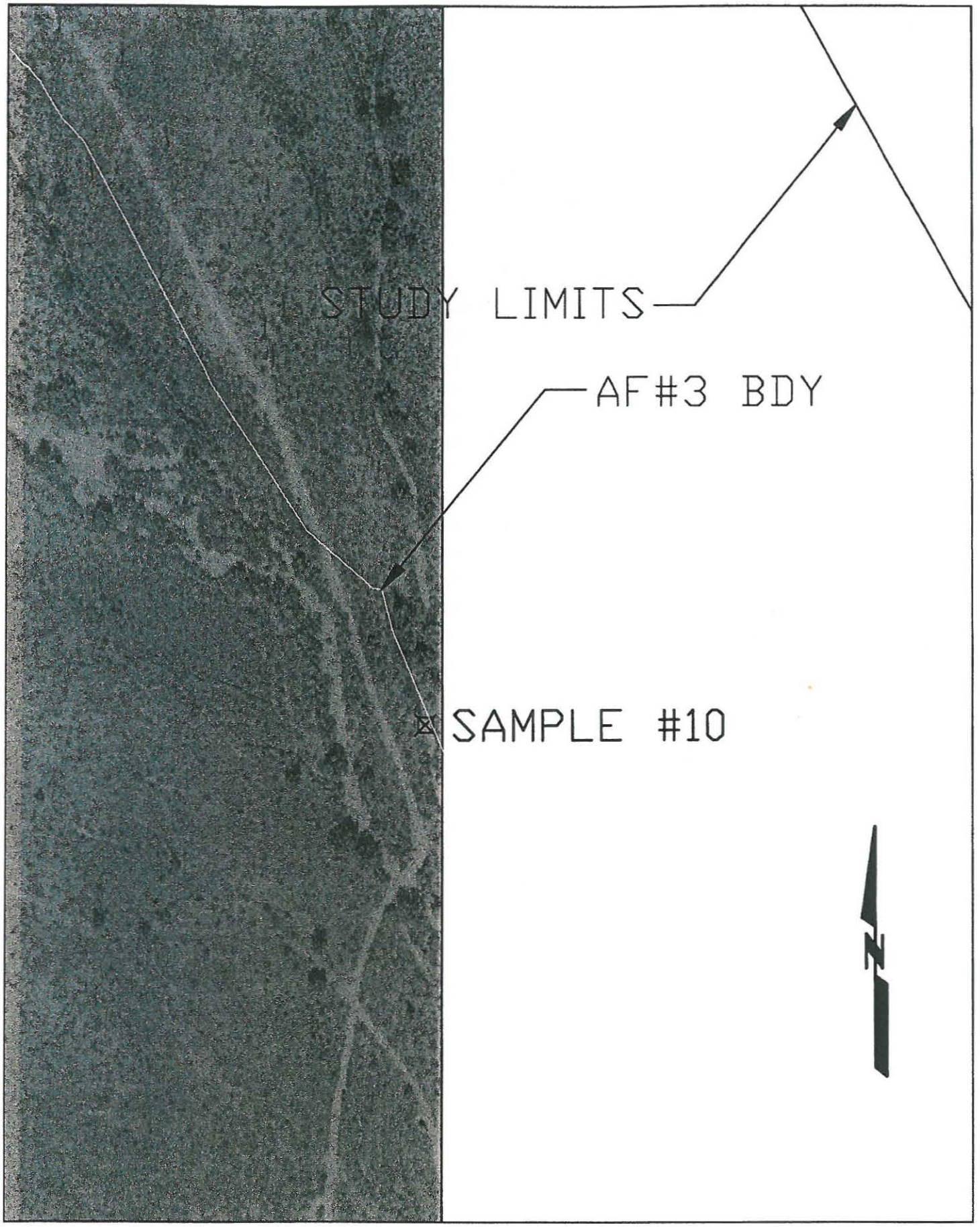
SAMPLE #5

GRAND VISTA BDY
GRAND VISTA BDY
SAMPLE #6
N

AF #3 BDY
SAMPLE #7
N

SAMPLE #8
GRAND VISTA BDY
DOVE VALLEY RD
GRAND VISTA BDY
N

AF#3 BDY
SAMPLE #9
N


STUDY LIMITS
AF#3 BDY
SAMPLE #10
N

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GEOTECHNICAL LAB RESULTS SUMMARY

Customer(s): Argus Consulting
Job Id: 67184 Job Name: Grand Vista
Location: 211th Avenue and Dove Valley Road Alignments
Municipality(s): Maricopa County

Existing Soil Characteristics

			% Passing (Sieve Size)									
Location	Sample Date	Lab #	1	1/2	#4	#10	#16	#30	#40	#100	#200	Notes
S-01 Depth 0-1 ft.	07/29/2009	117154	98	90	65	52	43	32	26	8	2.9	
S-02 Depth 0-1 ft.	07/29/2009	117155	96	78	48	38	32	22	17	6	2.7	
S-03 Depth 0-0.33 ft.	07/29/2009	117156	97	84	54	38	29	20	16	6	4.0	
S-04 Depth 0-1 ft.	07/29/2009	117157	87	69	38	20	13	8	7	4	3.0	
S-05 Depth 0-1 ft.	07/29/2009	117158	100	99	88	67	57	47	42	25	15.1	
S-06 Depth 0-1 ft.	07/29/2009	117159	94	83	58	43	34	25	19	5	2.1	
S-07 Depth 0-1 ft.	07/29/2009	117160	91	80	65	60	58	56	55	43	25.8	
S-08 Depth 0-1 ft.	07/29/2009	117161	100	98	91	87	84	80	77	60	37.8	
S-09 Depth 0-1 ft.	07/29/2009	117162	87	70	40	23	17	12	10	3	1.4	
S-10 Depth 0-1 ft.	07/29/2009	117163	90	74	54	43	37	29	24	8	4.3	
S-11 Depth 0-1 ft.	07/29/2009	117164	98	85	53	38	29	29	16	5	2.3	

Notes

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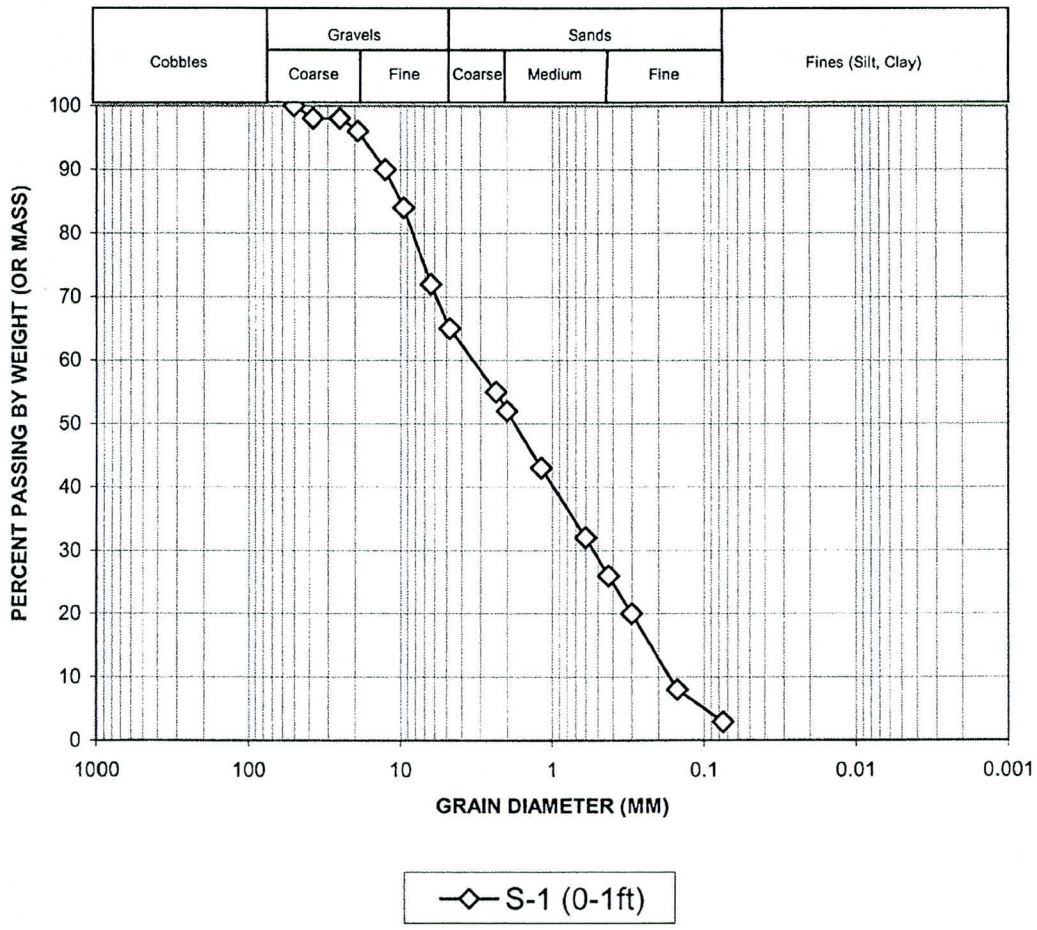
GRAIN SIZE DISTRIBUTION CURVE (USCS)

Date: 8/3/2009
Job Id: 67184
Job Name: Grand Vista (Appx. 2525 Acres)
Location: 211th Avenue and Dove Valley Road Alignments



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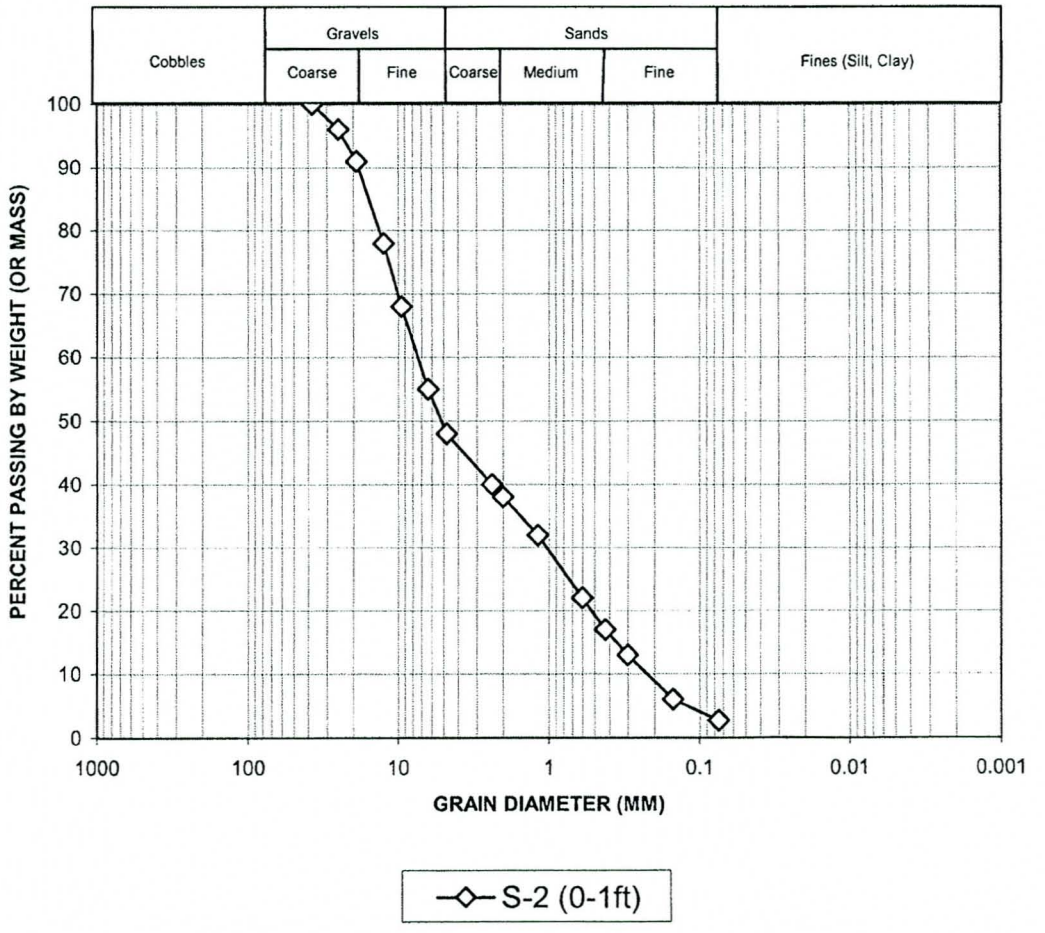

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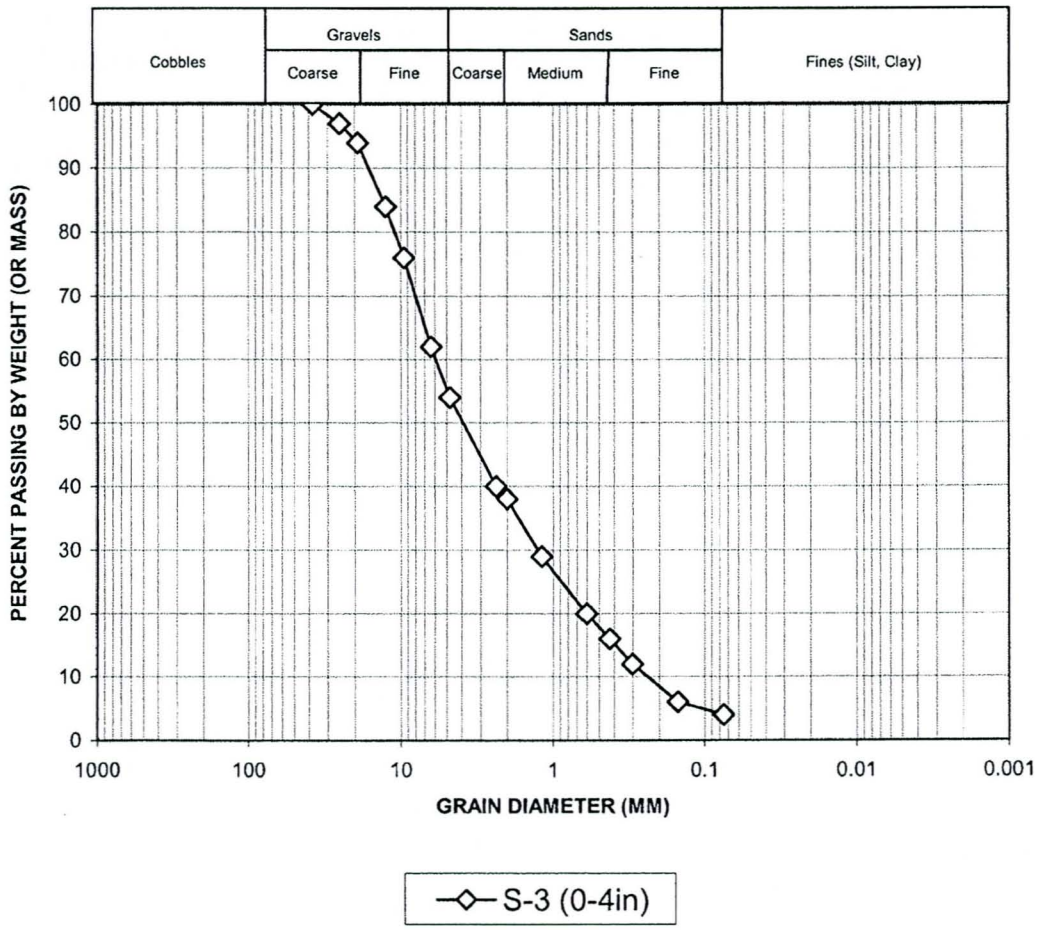

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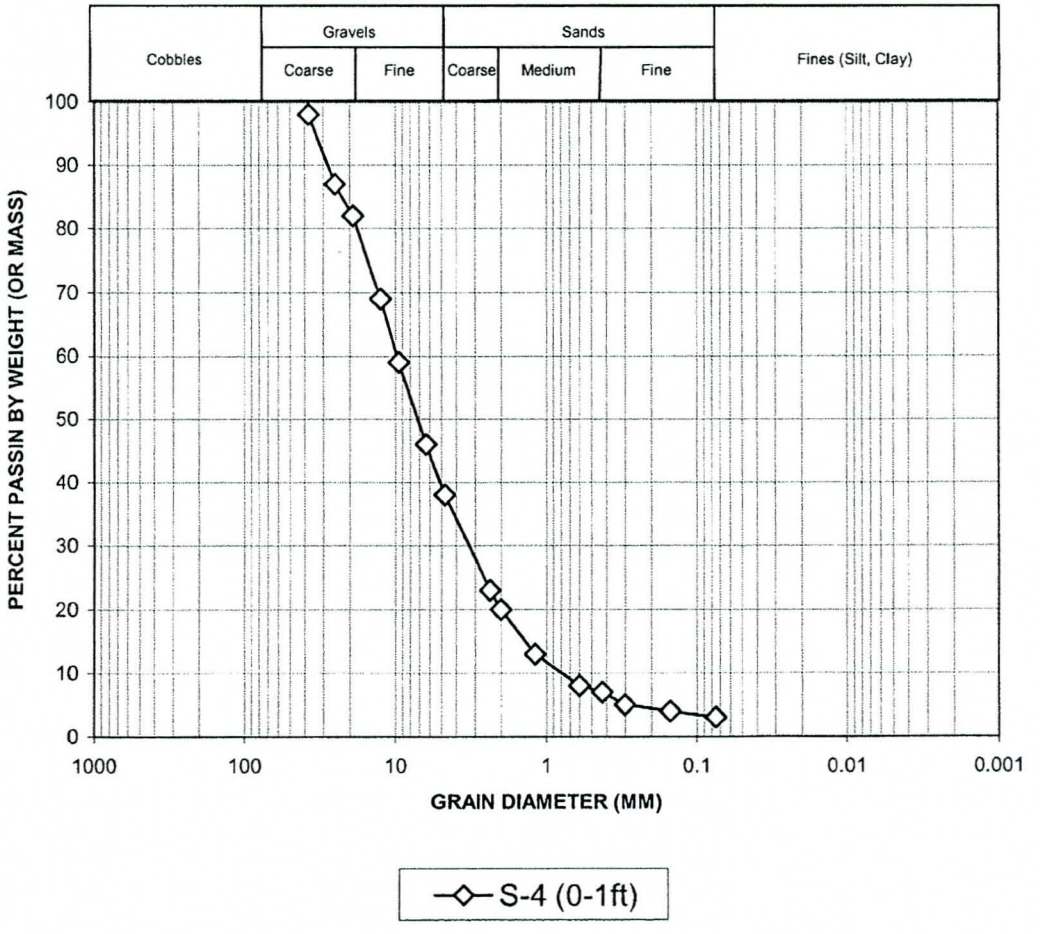

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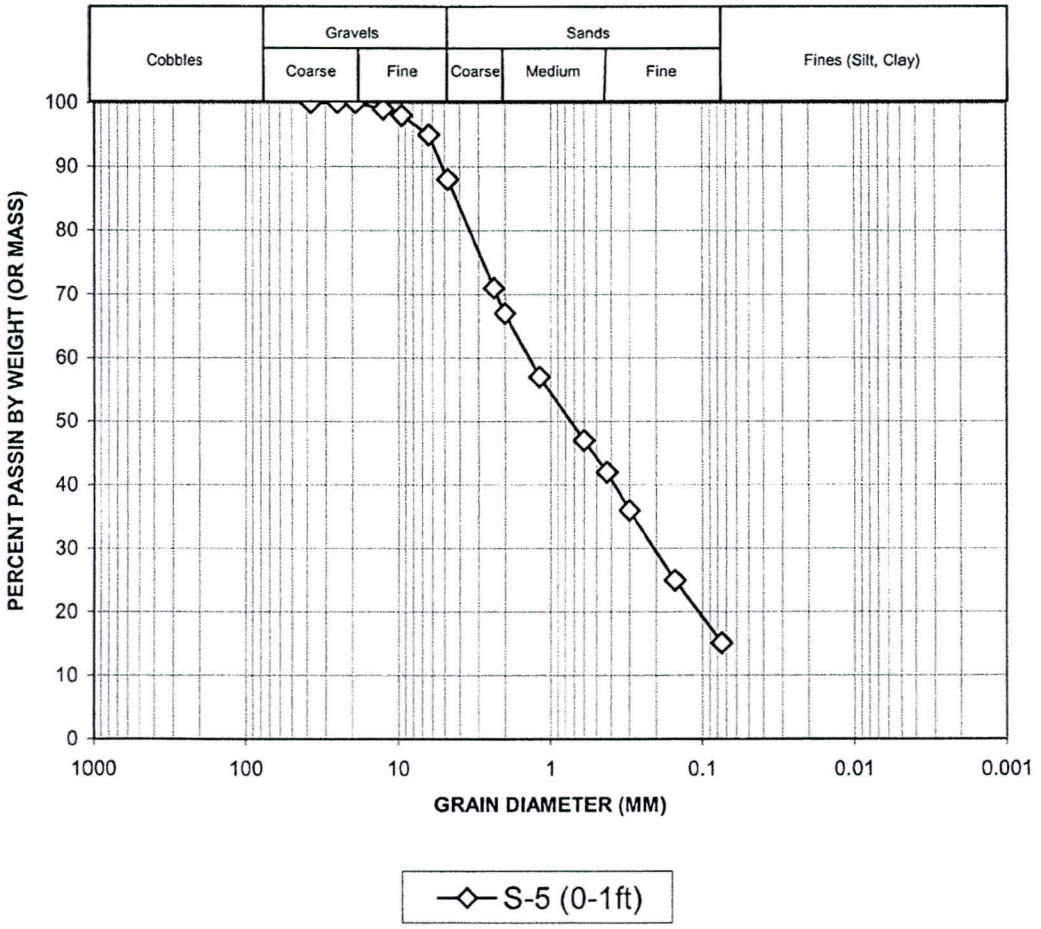

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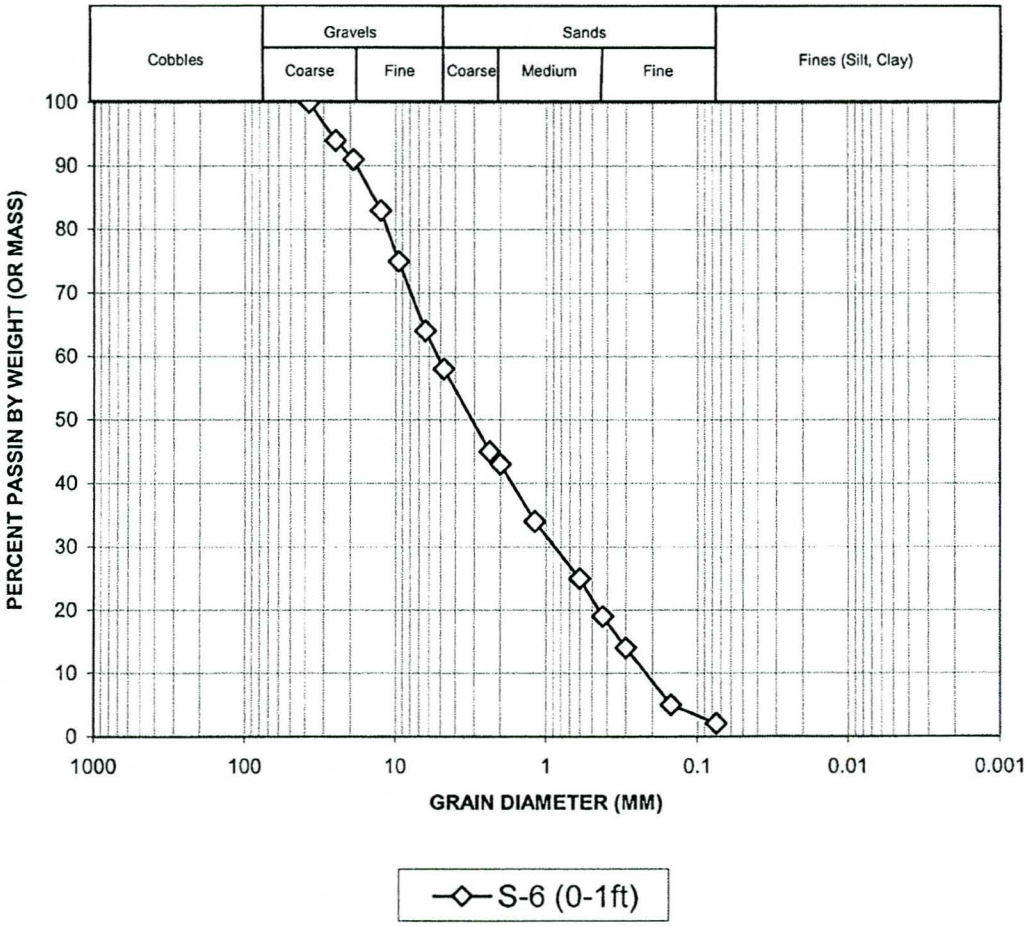

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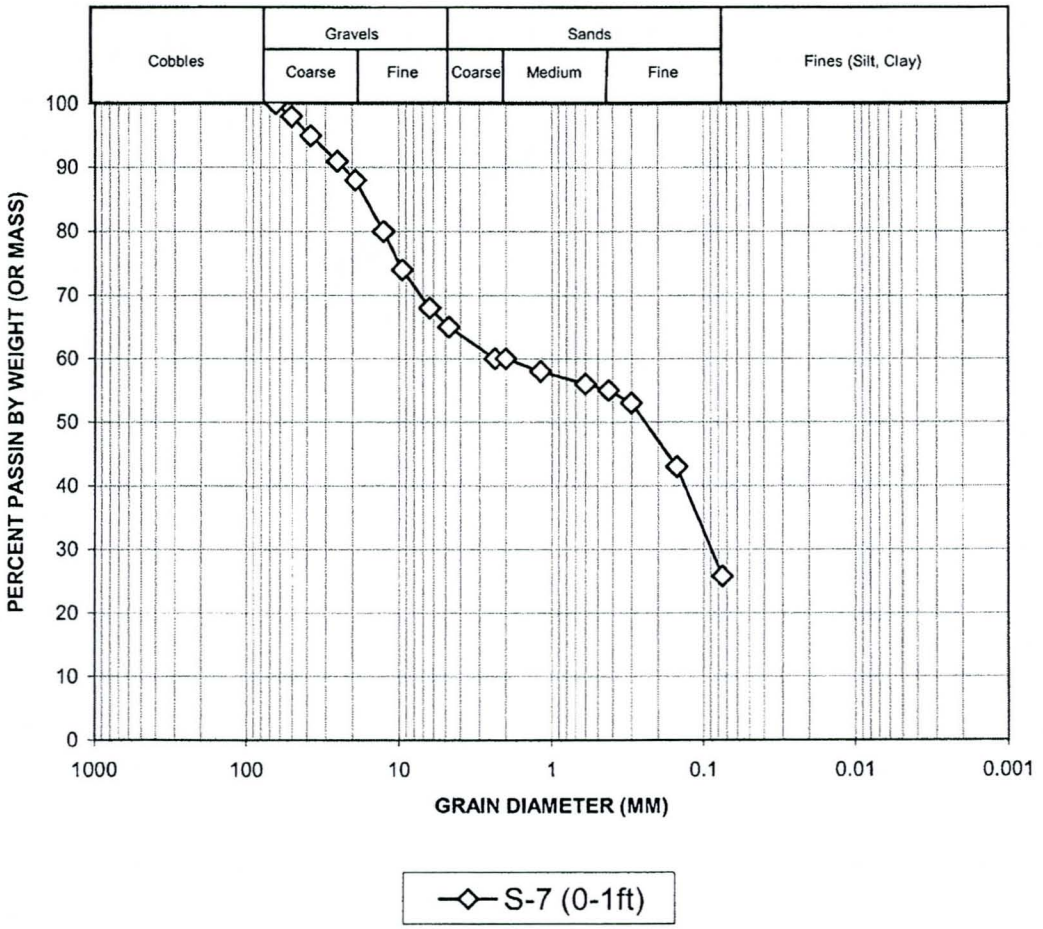

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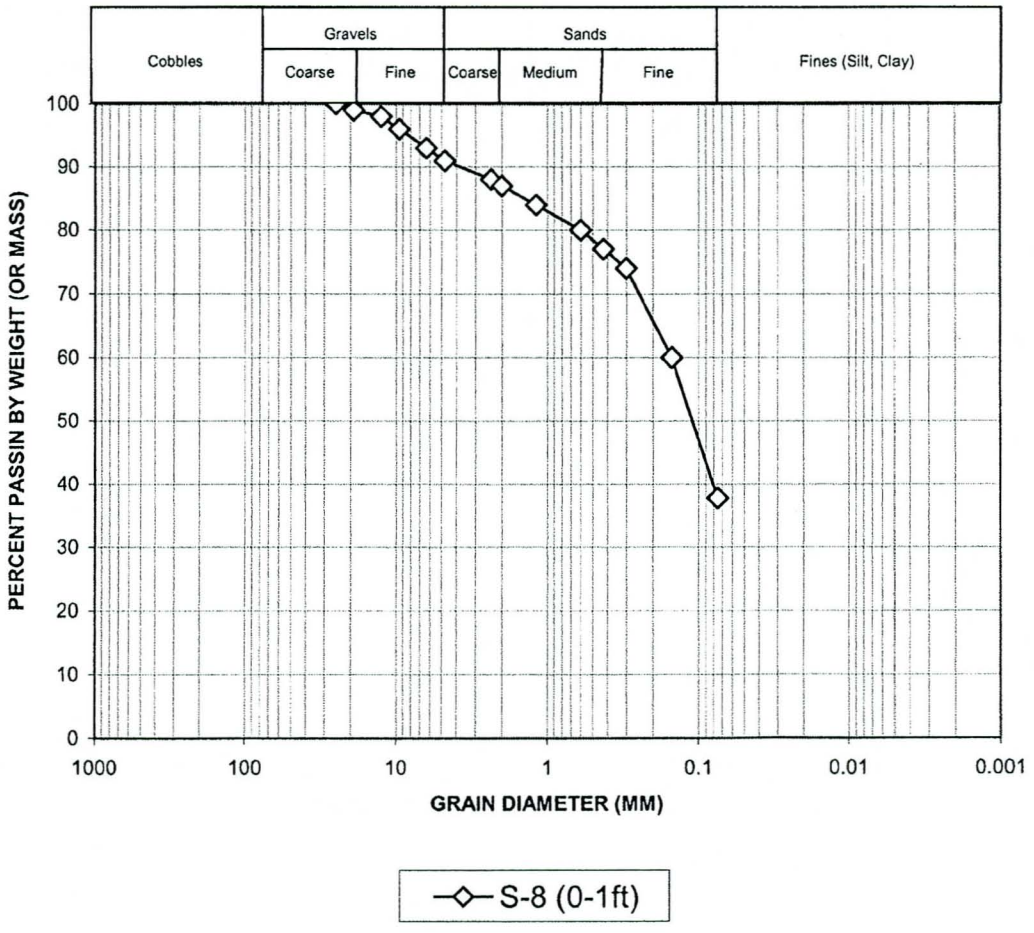

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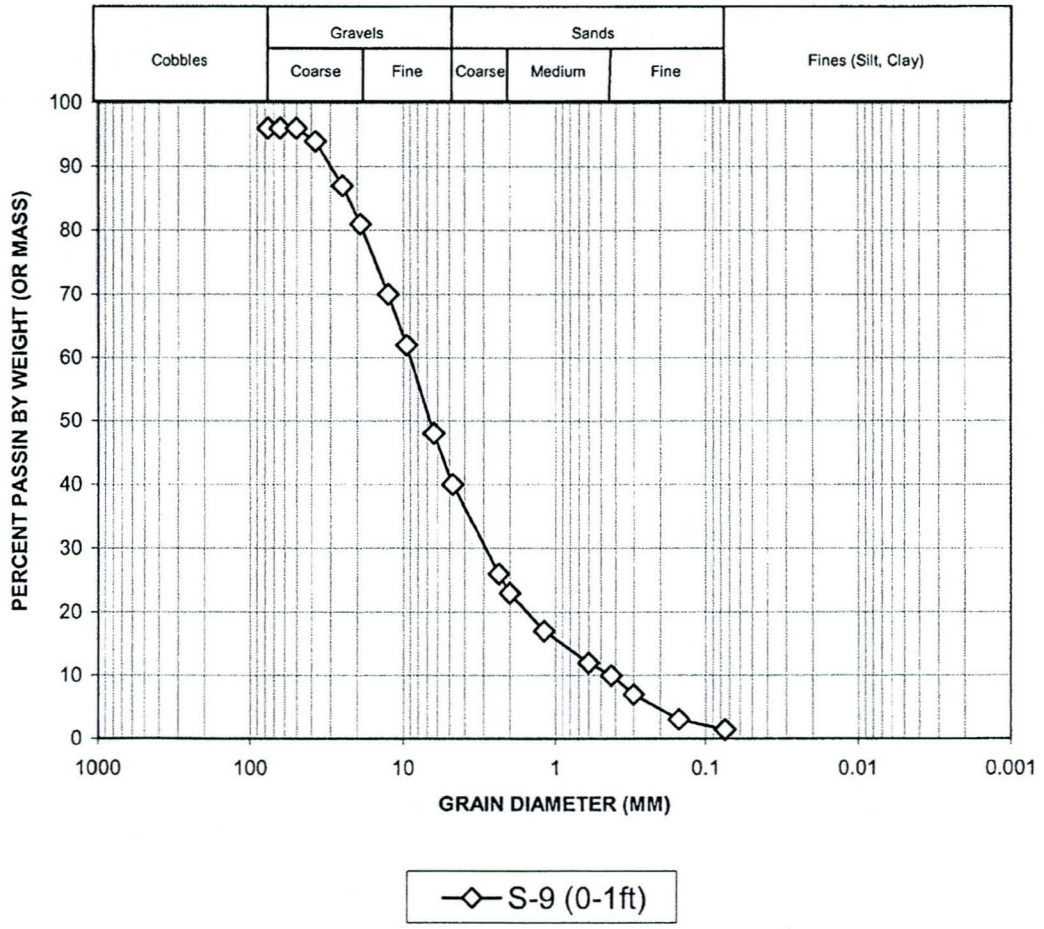

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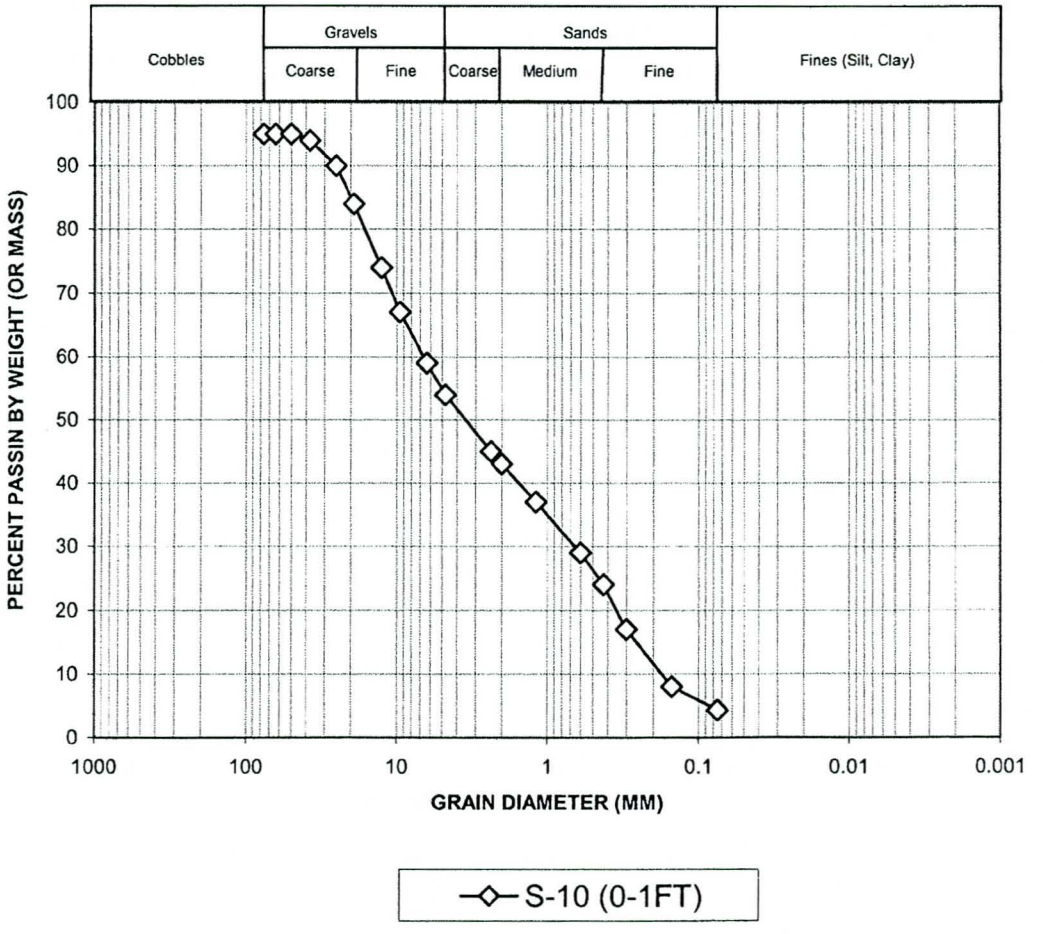

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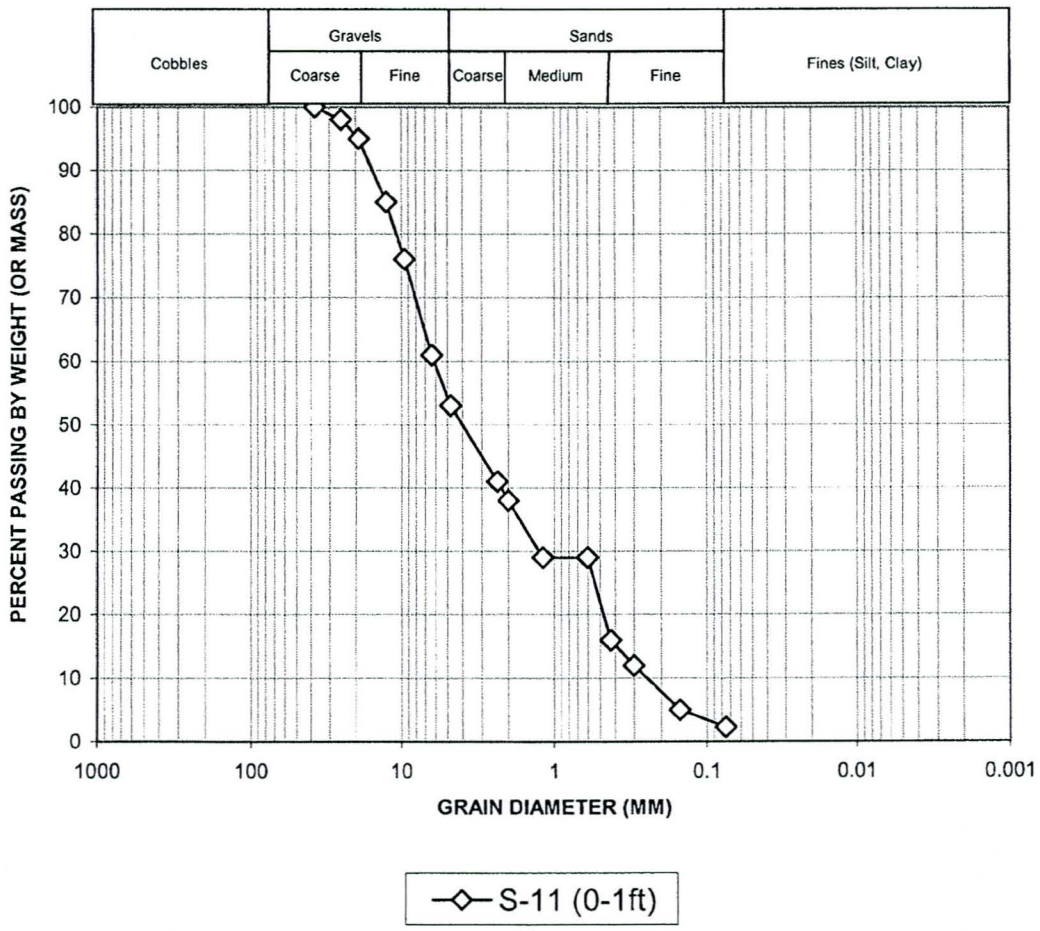
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