



August 23, 2011

A & K Earthmovers
1200 Auction Road
Fallon, Nevada 89406

Attn: Gary Nettenstrom

Re: Type II Aggregate Base Material Source Certification
Desert Mountain Pit - 7892.008 - PO#6687-11

Dear Mr. Nettenstrom,

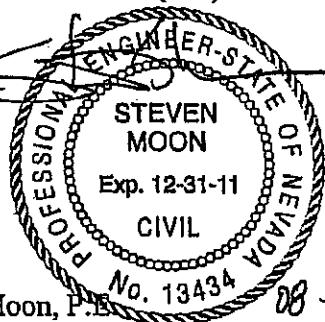
This letter represents the results of our laboratory testing and analysis associated with the above referenced project on the sample, laboratory number FL-488-11, received on 8/16/11.

The laboratory testing methods used are in accordance with the Standard Specifications for Public Works Construction, 2007 edition and applicable ASTM standards.

The attached test report represents the actual laboratory data gathered during the testing process. The material tested complies with the minimum standard specifications as outlined in the Standard Specifications for Public Works Construction, 2007 edition, section 200.01.03.

We trust this provides you with the information you are requesting at this time. If you have any further questions regarding this report or require any additional testing, please feel free to contact me at (775) 423-2188.

Sincerely,



Steven G. Moon, P.E.
Location Principal - Fallon
Lumos and Associates, Inc.



AGGREGATE PROPERTIES

REPORT TO: A & K Earthmovers
1200 Auction Road
Fallon, Nevada 89406
A & K P.O. # 6687-11

PROJECT: Materials Testing - 2011
PROJECT NO.: 7892.008
LOCATION: Fallon, Nevada
LAB NO.: FL-488-11

SAMPLED BY: Gary Nettenstrom

DATE: 8/16/2011

MATERIAL DESCRIPTION: Type II Aggregate Base

COLOR: BROWN

SAMPLE LOCATION: DESERT MOUNTAIN PIT

U.S. Std. Sieve Size	Percent Passing		S.S.P.W.C. Specification 200.01.03
1"	100		100
3/4"	93		90 - 100
#4	37		35 - 65
#10	26		25 - 53
#16	21		15 - 40
#40	16		12 - 28
#200	6.5		2 - 10

SPECS

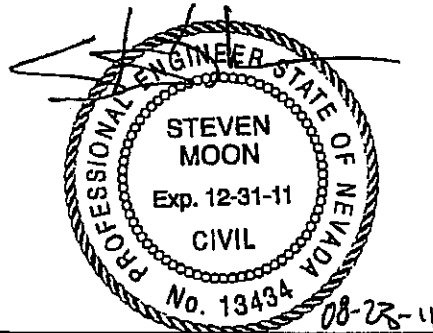
SPECS

NATURAL MOISTURE	3.4	N/A	BULK SPECIFIC GRAVITY	SODIUM SOUNDNESS	
LIQUID LIMIT	NV	(35 Max)	APPARENT SPECIFIC GRAVITY	L.A. ABRASION	18% (45% Max)
PLASTIC LIMIT	NV		BULK SPECIFIC GRAVITY (SSD)	R-Value	77 (70 Min)
PLASTICITY INDEX	NP	(4 Max)	ABSORPTION	Fractured Face	100% (35% Min)

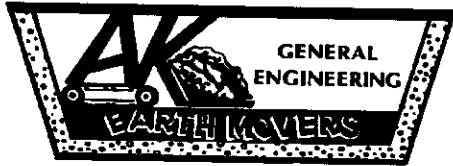
() Specification Limits * Out of Standard Specification
Report Status: **Original** or Amended

Respectively Submitted by:

Robert Thran, Construction Services Supervisor
Laboratory Manager



5401 Longley Lane, Ste. 5
 800 E. College Parkway
 178 S. Maine Street
 225 Kingsbury Grade, Ste. A
 3259 Esplanade, Ste. 102
Reno, NV 89511
Carson City, NV 89706
Fallon, NV 89406
Stateline, NV 89449
Chico, CA 95973
Tel 775.827.6111
Tel 775.883.7077
Tel 775.423.2188
Tel 775.588.6490
Tel 530.899.9503
Fax 775.827.6122
Fax 775.883.7114
Fax 775.423.5657
Fax 775.588.6479
Fax 530.899.9649



A & K EARTH MOVERS, INC.
1200 AUCTION ROAD, FALLON, NV 89406
PHONE (775)423-6085
WWW.AKEARTHMOVERS.COM

MOISTURE - DENSITY CURVE ASTM D1557 METHOD C

PROJECT: DESERT MOUNTAIN PIT

JOB # 211101

CLIENT: A&K EARTHMOVERS

DATE: 8/9/11

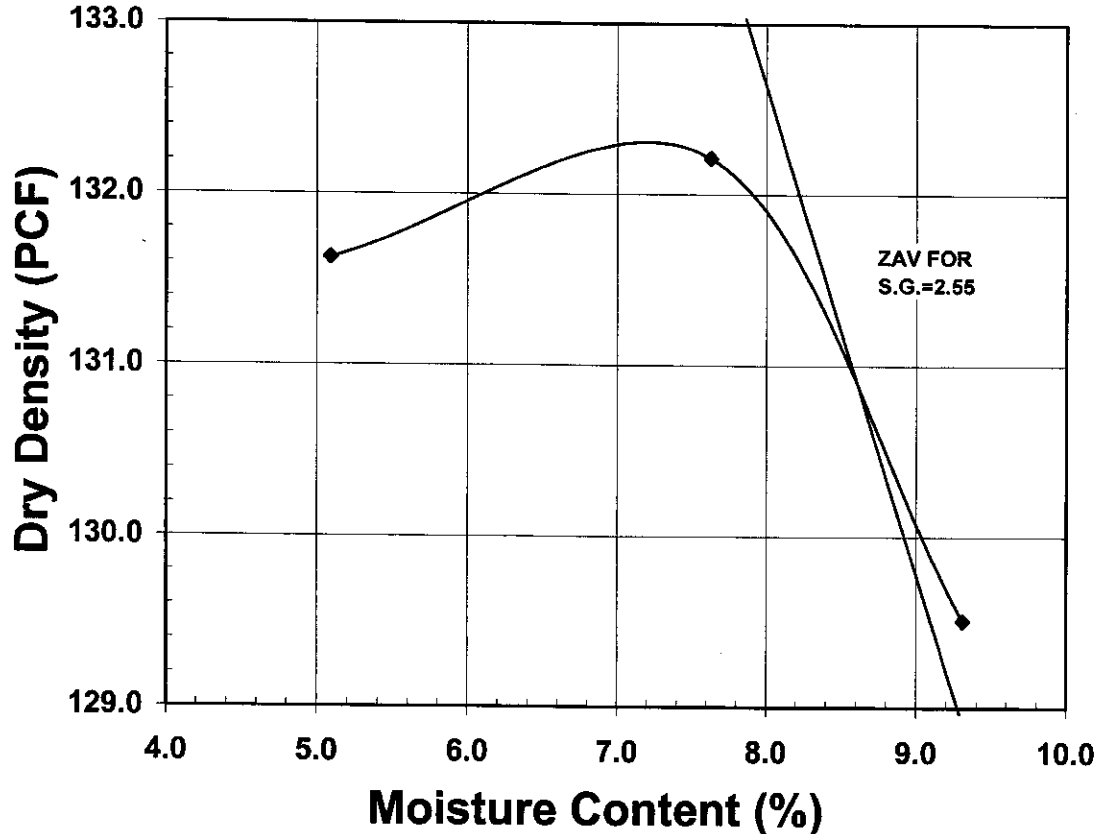
SAMPLE LOCATION: SW STOCKPILE, NORTH FACE

TESTER: NETTENSTROM

SOIL DESCRIPTION: TYPE 2 AGGREGATE BASE

TO BE USED AS: BASE COURSE

Moisture-Density Relation Curve



**MAXIMUM
DRY-DENSITY
132.3 PCF
@ 7.0%
OPTIMUM
MOISTURE**