

NV5

9019 Washington Street NE Ste A
Albuquerque, New Mexico 87113
Phone: 505-344-7373 / Fax: 505-344-1711

April 10, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

Dear Sir or Madam:

Attached are copies of the Earthwork Compaction Test Results for the subject project.

Should you have any questions regarding this data, please do not hesitate to call.

Sincerely,



Alex Abeyta



Robert K. Abeyta, S.E.T.
NV5

Attachment: Report No.; 1

cc: Addressee: (Email)
Mr. Adil Rizvi (Email)
Mr. Shakeel Rizvi (Email)

rb

Geotechnical Engineering * Materials Testing * Environmental Engineering

COMPACTION TEST RESULTS

PROJECT : Desert Ridge Unit 3 Earthwork CLIENT: Rio Grande Realty & Investments, LLC
 PROJECT NO.: 444317-2700000.01 REPORT NO.: 1 TECHNICIAN: Alex Abeyta
 COA PROJECT NO.: _____ DATE: 4/4/17

Test No.	Location	Elevation	Proctor Number	Field Moisture (%)	Field Dry Density (pcf)	Relative Compaction (%)	Specified Compaction (%)
1	Lot 5 @ NW Corner of pad	B. OX	1	6.4	128.2	96	95
2	Lot 5 @ SE Corner of pad	B. OX	1	7.9	126.8	95	95
3	Lot 5 @ SW Corner of pad	-5' FSG	1	10.3	129.3	97	95
4	Lot 5 @ NE Corner of pad	-5' FSG	1	8.9	131.2	99	95
5	Lot 5 @ NW Corner of pad	-4' FSG	1	9.1	131.4	99	95
6	Lot 5 @ SE Corner of pad	-4' FSG	1	7.7	129.9	98	95

Proctor Test Utilized

Proctor No.	Sample Location	Opt. Moisture Content (%)	Maximum Dry Dens (pcf)	Soil Description
1	Excavated material from lot 5	6.5	133.0	Silty SAND

WEATHER: Rain, Slight breeze, 40°

EQUIPMENT: Front loader, Water truck, and Excavator

REMARKS: Contracting personnel informed of the test results.

NV5

9019 Washington Street NE Ste A
Albuquerque, New Mexico 87113
Phone: 505-344-7373 / Fax: 505-344-1711

April 10, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

Dear Sir or Madam:

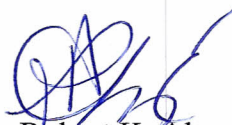
Attached are copies of the Earthwork Compaction Test Results for the
subject project.

Should you have any questions regarding this data, please do not hesitate
to call.

Sincerely,



Hugo Esquivias



Robert K. Abeyta, S.E.T.
NV5

Attachment: Report No.; 2

cc: Addressee: (Email)
Mr. Adil Rizvi (Email)
Mr. Shakeel Rizvi (Email)

rb

Geotechnical Engineering * Materials Testing * Environmental Engineering

COMPACTION TEST RESULTS

PROJECT : Desert Ridge Unit 3 Earthwork CLIENT: Rio Grande Realty & Investments, LLC
 PROJECT NO.: 444317-2700000.01 REPORT NO.: 2 TECHNICIAN: Hugo Esquivias
 COA PROJECT NO.: _____ DATE: 4/4/17

Test No.	Location	Elevation	Proctor Number	Field Moisture (%)	Field Dry Density (PCF)	Relative Compaction (%)	Specified Compaction (%)
7	Lot # 5 - East end of pad	-3' FSG	1	6.9	131.2	99	95
8	Lot # 5 - West end of pad	-3' FSG	1	7.2	129.7	98	95
9	Lot # 5 - North end of pad	-2' FSG	1	6.6	130.2	98	95
10	Lot # 5 - South end of pad	-2' FSG	1	6.4	130.5	98	95
11	Lot # 5 - Northwest corner of pad	-1' FSG	1	6.8	128.6	97	95
12	Lot # 5 - South east corner of pad	-1' FSG	1	6.6	130.0	98	95
13	Lot # 4 - West half North end of pad	-5' FSG	1	6.2	129.4	97	95
14	Lot # 4 - West half South end of pad	-4' FSG	1	6.7	128.1	96	95
15	Lot # 4 - West half - Center of pad	-3' FSG	1	7.5	127.8	96	95
*Note: Only west half of lot #4 was worked today.							

Proctor Test Utilized				
Proctor No.	Sample Location	Opt. Moisture Content (%)	Maximum Dry Dens (pcf)	Soil Description
1	Excavated material from lot 5	6.5	133.0	Silty SAND

WEATHER: Cloudy and Windy
 EQUIPMENT: Front loader, Trackhoe, and Water
 REMARKS: Contracting personnel informed of the test results.

NV5

9019 Washington Street NE Ste A
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Phone: 505-344-7373 / Fax: 505-344-1711

April 10, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

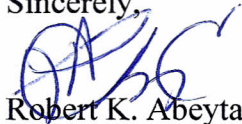
Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

Dear Sir or Madam:

Attached are copies of the Earthwork Compaction Test Results for the subject project.

Should you have any questions regarding this data, please do not hesitate to call.

Sincerely,



Robert K. Abeyta, S.E.T.



Ralph L. Abeyta, P.E.

NV5

Attachment: Report No.; 3

cc: Addressee: (Email)
Mr. Adil Rizvi (Email)
Mr. Shakeel Rizvi (Email)

rb

Geotechnical Engineering * Materials Testing * Environmental Engineering

COMPACTION TEST RESULTS

PROJECT : Desert Ridge Unit 3 Earthwork CLIENT: Rio Grande Realty & Investments, LLC
 TECHNICIAN: Robert Abeyta
 PROJECT NO.: 444317-2700000.01 REPORT NO.: 3 DATE: 4/5/17
 COA PROJECT NO.: _____

Test No.	Location	Elevation	Proctor Number	Field Moisture (%)	Field Dry Density (pcf)	Relative Compaction (%)	Specified Compaction (%)
16	Pad 5, W side center	-1' FSG	1	6.8	109.1	82	95
17	Pad 5, E side 10' S of center	-1' FSG	1	7.2	109.7	82	95

Proctor Test Utilized				
Proctor No.	Sample Location	Opt. Moisture Content (%)	Maximum Dry Dens (pcf)	Soil Description
1	Excavated material from lot 5	6.5	133.0	Silty SAND

WEATHER: Clear 45°

EQUIPMENT: (1) loader, (1) water hose, (1) excavator, and (1) roller

REMARKS: Contracting personnel informed of the test results.



9019 Washington Street NE Ste A
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April 10, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

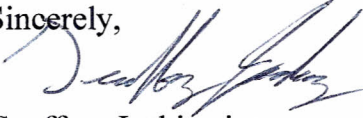
Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

Dear Sir or Madam:

Attached are copies of the Earthwork Compaction Test Results for the subject project.

Should you have any questions regarding this data, please do not hesitate to call.

Sincerely,


Geoffrey Juskiewicz


Robert K. Abeyta, S.E.T.
NV5

Attachment: Report No.; 4

cc: Addressee: (Email)
Mr. Adil Rizvi (Email)
Mr. Shakeel Rizvi (Email)

rb

Geotechnical Engineering * Materials Testing * Environmental Engineering

COMPACTION TEST RESULTS

PROJECT : Desert Ridge Unit 3 Earthwork CLIENT: Rio Grande Realty & Investments, LLC
 TECHNICALIAN: Geoffrey Juskiewicz
 PROJECT NO.: 444317-2700000.01 REPORT NO.: 4 DATE: 4/5/17
 COA PROJECT NO.: _____

Test No.	Location	Elevation	Proctor Number	Field Moisture (%)	Field Dry Density (PCF)	Relative Compaction (%)	Specified Compaction (%)
18	House pad # 3	-5' FSG	1	6.9	127.2	96	95
19	E half of house pad # 4	-5' FSG	1	6.5	128.5	97	95

Proctor Test Utilized				
Proctor No.	Sample Location	Opt. Moisture Content (%)	Maximum Dry Dens (pcf)	Soil Description
1	Excavated material from lot 5	6.5	133.0	Silty SAND

WEATHER: Clear

EQUIPMENT: Front loader, Water hose, and Excavator

REMARKS: Contracting personnel informed of the test results.

NV5

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Albuquerque, New Mexico 87113
Phone: 505-344-7373 / Fax: 505-344-1711

April 10, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

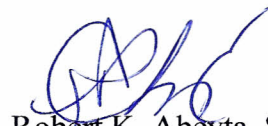
Dear Sir or Madam:

Attached are copies of the Earthwork Compaction Test Results for the subject project.

Should you have any questions regarding this data, please do not hesitate to call.

Sincerely,


Geoffrey Juskiewicz


Robert K. Abeyta, S.E.T.
NV5

Attachment: Report No.; 5

cc: Addressee: (Email)
Mr. Adil Rizvi (Email)
Mr. Shakeel Rizvi (Email)

rb

Geotechnical Engineering * Materials Testing * Environmental Engineering

COMPACTION TEST RESULTS

PROJECT : Desert Ridge Unit 3 Earthwork CLIENT: Rio Grande Realty & Investments, LLC
 PROJECT NO.: 444317-2700000.01 REPORT NO.: 5 TECHNICIAN: Geoffrey Juskiewicz
 COA PROJECT NO.: _____ DATE: 4/6/17

Test No.	Location	Elevation	Proctor Number	Field Moisture (%)	Field Dry Density (PCF)	Relative Compaction (%)	Specified Compaction (%)
20	E half of house pad 4	-4' FSG	1	7.3	130.8	98	95
21	House pad 3	-4' FSG	1	7.8	127.9	96	95
22	E Half of house pad 4	-3' FSG	1	6.6	126.6	95	95
23	House pad 3	-4' FSG	1	6.4	126.8	95	95
24	House pad 4	-2.5' FSG	1	8.6	127.4	96	95
25	House pad 4	-1.5' FSG	1	7.7	126.9	95	95

Proctor Test Utilized

Proctor No.	Sample Location	Opt. Moisture Content (%)	Maximum Dry Dens (pcf)	Soil Description
1	Excavated material from lot 5	6.5	133.0	Silty SAND

WEATHER: Clear

EQUIPMENT: Waterhose, Excavator, and Front loader

REMARKS: Contracting personnel informed of the test results.

NV5

9019 Washington Street NE Ste A
Albuquerque, New Mexico 87113
Phone: 505-344-7373 / Fax: 505-344-1711

April 10, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

Dear Sir or Madam:

Attached are copies of the Earthwork Compaction Test Results for the subject project.

Should you have any questions regarding this data, please do not hesitate to call.

Sincerely,



Hugo Esquivias



Robert K. Abeyta, S.E.T.
NV5

Attachment: Report No.; 6

cc: Addressee: (Email)
Mr. Adil Rizvi (Email)
Mr. Shakeel Rizvi (Email)

rb

Geotechnical Engineering * Materials Testing * Environmental Engineering

COMPACTION TEST RESULTS

PROJECT : Desert Ridge Unit 3 Earthwork CLIENT: Rio Grande Realty & Investments, LLC
 PROJECT NO.: 444317-2700000.01 REPORT NO.: 6 TECHNICIAN: Huge Esquivias
 COA PROJECT NO.: _____ DATE: 4/7/17

Test No.	Location	Elevation	Proctor Number	Field Moisture (%)	Field Dry Density (PCF)	Relative Compaction (%)	Specified Compaction (%)
26	Lot # 4 Center of pad	-1' FSG	1	7.4	130.2	98	95
27	Lot # 3 Center of pad	-1' FSG	1	7.8	129.6	97	95

Proctor Test Utilized				
Proctor No.	Sample Location	Opt. Moisture Content (%)	Maximum Dry Dens (pcf)	Soil Description
1	Excavated material from lot 5	6.5	133.0	Silty SAND

WEATHER: Partly cloudy and light breeze
 EQUIPMENT: Front loader, Excavator, and Water
 REMARKS: Contracting personnel informed of the test results.

NV5

9019 Washington Street NE Ste A
Albuquerque, New Mexico 87113
Phone: 505-344-7373 / Fax: 505-344-1711

April 12, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

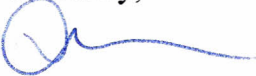
Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

Dear Sir or Madam:

Attached are copies of the Earthwork Compaction Test Results for the subject project.

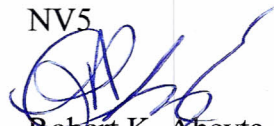
Should you have any questions regarding this data, please do not hesitate to call.

Sincerely,



Aaron Deans

NV5



Robert K. Abeyta, S.E.T.

Attachment: Report No.; 7

cc: Addressee: (Email)

Mr. Adil Rizvi (Email)

Mr. Shakeel Rizvi (Email)

rb

Geotechnical Engineering * Materials Testing * Environmental Engineering

COMPACTION TEST RESULTS

PROJECT : Desert Ridge Unit 3 Earthwork

CLIENT: Rio Grande Realty & Investments, LLC

TECHNICIAN: Aaron Deans

PROJECT NO.: 444317-2700000.01 REPORT NO.: 7

DATE: 4/11/17

COA PROJECT NO.: _____

Test No.	Location	Elevation	Proctor Number	Field Moisture (%)	Field Dry Density (PCF)	Relative Compaction (%)	Specified Compaction (%)
28	House pad # 3 NW Corner	FSG	1	7.4	127.8	96	95
29	House pad # 3 SE Corner	FSG	1	7.3	128.4	97	95
30	House pad # 2 NW Corner	-3' FSG	1	7.6	127.6	96	95
31	House pad # 2 SE Corner	-3' FSG	1	7.6	127.4	96	95
32	House pad # 2 SW Corner	-2.5' FSG	1	6.7	128.6	97	95
33	House pad # 2 NE Corner	-2.5' FSG	1	7.5	128.2	96	95
34	House pad # 1 NW Corner	BOX -4' FSG	1	5.4	127.1	96	95
35	House pad # 1 SE Corner	BOX -4' FSG	1	5.2	127.2	96	95
36	House pad # 2 NW Corner	-2' FSG	1	6.9	128.4	97	95
37	House pad # 2 SE Corner	-2' FSG	1	7.5	129.0	97	95
38	House pad # 2 NE Corner	-1.5' FSG	1	7.7	128.2	96	95
39	House pad # 2 SW Corner	-1.5' FSG	1	8.1	128.8	97	95

Proctor Test Utilized

Proctor No.	Sample Location	Opt. Moisture Content (%)	Maximum Dry Dens (pcf)	Soil Description
1	Excavated material from lot 5	6.5	133.0	Silty SAND

WEATHER: Mostly Sunny and Warm

EQUIPMENT: (2) Front loaders

REMARKS: Contracting personnel informed of the test results.

NV5

9019 Washington Street NE Ste A
Albuquerque, New Mexico 87113
Phone: 505-344-7373 / Fax: 505-344-1711

April 13, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

Dear Sir or Madam:

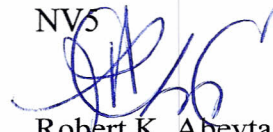
Attached are copies of the Earthwork Compaction Test Results for the subject project.

Should you have any questions regarding this data, please do not hesitate to call.

Sincerely,



Hugo Esquivias

NV5


Robert K. Abeyta, S.E.T.

Attachment: Report No.; 8

cc: Addressee: (Email)
Mr. Adil Rizvi (Email)
Mr. Shakeel Rizvi (Email)

rb

Geotechnical Engineering * Materials Testing * Environmental Engineering

COMPACTION TEST RESULTS

PROJECT : Desert Ridge Unit 3 Earthwork CLIENT: Rio Grande Realty & Investments, LLC
 TECHNICIAN: Hugo Esquivias
 PROJECT NO.: 444317-2700000.01 REPORT NO.: 8 DATE: 4/12/17
 COA PROJECT NO.: _____

Test No.	Location	Elevation	Proctor Number	Field Moisture (%)	Field Dry Density (PCF)	Relative Compaction (%)	Specified Compaction (%)
40	Lot # 2 - Center of Pad	-1' FSG	1	6.1	128.6	97	95
41	Lot # 1 - Center of Pad	-4' FSG	1	7.4	129.2	97	95

Proctor Test Utilized				
Proctor No.	Sample Location	Opt. Moisture Content (%)	Maximum Dry Dens (pcf)	Soil Description
1	Excavated material from lot 5	6.5	133.0	Silty SAND

WEATHER: Clear and Calm

EQUIPMENT: Front loader and Water truck

REMARKS: Contracting personnel informed of the test results.



9019 Washington Street NE Ste A
Albuquerque, New Mexico 87113
Phone: 505-344-7373 / Fax: 505-344-1711

April 17, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

Dear Sir or Madam:

Attached are copies of the Earthwork Compaction Test Results for the subject project.

Should you have any questions regarding this data, please do not hesitate to call.

Sincerely,


Shannon Dever

NV5


Robert K. Abeyta, S.E.T.

Attachment: Report No.; 9

cc: Addressee: (Email)
Mr. Adil Rizvi (Email)
Mr. Shakeel Rizvi (Email)

rlb

Geotechnical Engineering * Materials Testing * Environmental Engineering

COMPACTION TEST RESULTS

PROJECT: Desert Ridge Unit 3 Earthwork CLIENT: Rio Grande Realty & Investments, LLC
 PROJECT NO.: 444317-2700000.01 REPORT NO.: 9 TECHNICIAN: Shannon Dever
 COA PROJECT NO.: _____ DATE: 4/17/17

Test No.	Location	Elevation	Proctor Number	Field Moisture (%)	Field Dry Density (PCF)	Relative Compaction (%)	Specified Compaction (%)
42	Pad # 7 SE Corner	-5' FSG	1	5.5	127.1	96	95
43	Pad # 1 NW Corner	-3' FSG	1	7.0	127.7	96	95

Proctor Test Utilized				
Proctor No.	Sample Location	Opt. Moisture Content (%)	Maximum Dry Dens (pcf)	Soil Description
1	Excavated material from lot 5	6.5	133.0	Silty SAND

WEATHER: Clear and Mild

EQUIPMENT: Loader and Water truck

REMARKS: Contracting personnel informed of the test results.



9019 Washington Street NE Ste A
Albuquerque, New Mexico 87113
Phone: 505-344-7373 / Fax: 505-344-1711

April 19, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

Dear Sir or Madam:

Attached are copies of the Earthwork Compaction Test Results for the subject project.

Should you have any questions regarding this data, please do not hesitate to call.

Sincerely,

Aaron Deans

NV5

Robert K. Abeyta, S.E.T.

Attachment: Report No.: 10

cc: Addressee: (Email)
Mr. Adil Rizvi (Email)
Mr. Shakeel Rizvi (Email)

rlb

Geotechnical Engineering * Materials Testing * Environmental Engineering

COMPACTION TEST RESULTS

PROJECT : Desert Ridge Unit 3 Earthwork CLIENT: Rio Grande Realty & Investments, LLC
 PROJECT NO.: 444317-2700000.01 REPORT NO.: 10 TECHNICIAN: Aaron Deans
 COA PROJECT NO.: _____ DATE: 4/18/17

Test No.	Location	Elevation	Proctor Number	Field Moisture (%)	Field Dry Density (PCF)	Relative Compaction (%)	Specified Compaction (%)
44	House Pad 1 - NW Corner	-2' FSG	1	7.2	127.8	96	95
45	House Pad 1 - SE Corner	-2' FSG	1	7.7	127.4	96	95
46	House Pad 6 - NW Corner	-4' FSG	1	8.4	129.0	97	95
47	House Pad 6 - SE Corner	-4' FSG	1	8.1	129.2	97	95
48	House Pad 1 - NE Corner	-1' FSG	1	7.5	128.3	96	95
49	House Pad 1 - SW Corner	-1' FSG	1	7.7	127.5	96	95
50	House Pad 1 - NE Corner	FSG	1	6.9	127.2	96	95
51	House Pad 1 - SW Corner	FSG	1	7.2	128.2	96	95

Proctor Test Utilized				
Proctor No.	Sample Location	Opt. Moisture Content (%)	Maximum Dry Dens (pcf)	Soil Description
1	Excavated material from lot 5	6.5	133.0	Silty SAND

WEATHER: Sunny and Calm

EQUIPMENT: Front loader

REMARKS: Contracting personnel informed of the test results.

NV5

9019 Washington Street NE Ste A
Albuquerque, New Mexico 87113
Phone: 505-344-7373 / Fax: 505-344-1711

April 20, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

Dear Sir or Madam:

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Should you have any questions regarding this data, please do not hesitate to call.

Sincerely,



Aaron Deans

NV5


Robert K. Abeyta, S.E.T.

Attachment: Report No.: 11

cc: Addressee: (Email)
Mr. Adil Rizvi (Email)
Mr. Shakeel Rizvi (Email)

rlb

Geotechnical Engineering * Materials Testing * Environmental Engineering

COMPACTION TEST RESULTS

PROJECT : Desert Ridge Unit 3 Earthwork CLIENT: Rio Grande Realty & Investments, LLC
 PROJECT NO.: 444317-2700000.01 REPORT NO.: 11 TECHNICIAN: Aaron Deans
 COA PROJECT NO.: _____ DATE: 4/19/17

Test No.	Location	Elevation	Proctor Number	Field Moisture (%)	Field Dry Density (PCF)	Relative Compaction (%)	Specified Compaction (%)
52	House pad #7 NW Corner Box	-4' FSG	2	10.0	125.4	98	95
53	House pad #7 SE Corner Box	-4' FSG	2	9.7	126.1	98	95
54	House pad #7 SW Corner	-3' FSG	2	11.1	125.7	98	95
55	House pad #7 NE Corner	-3' FSG	2	9.6	124.9	97	95
56	House pad #6 SE Corner	-3' FSG	2	9.1	124.6	97	95
57	House pad #6 NW Corner	-3' FSG	2	9.4	125.1	98	95

Proctor Test Utilized

Proctor No.	Sample Location	Opt. Moisture Content (%)	Maximum Dry Dens (pcf)	Soil Description
2	Excavated material from SE of Lot #1 (17-63)	9.2	128.2	Clayey SAND with silt

WEATHER: Sunny and Warm

EQUIPMENT: Front loader

REMARKS: Contracting personnel informed of the test results.

NV5

9019 Washington Street NE Ste A
Albuquerque, New Mexico 87113
Phone: 505-344-7373 / Fax: 505-344-1711

April 24, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

Dear Sir or Madam:

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Should you have any questions regarding this data, please do not hesitate to call.

Sincerely,



Aaron Deans

NV5



Robert K. Abeyta, S.E.T.

Attachment: Report No.: 12 & 13

cc: Addressee: (Email)
Mr. Adil Rizvi (Email)
Mr. Shakeel Rizvi (Email)

rlb

Geotechnical Engineering * Materials Testing * Environmental Engineering

COMPACTION TEST RESULTS

PROJECT : Desert Ridge Unit 3 Earthwork CLIENT: Rio Grande Realty & Investments, LLC
 TECHNICAL: Aaron Deans
 PROJECT NO.: 444317-2700000.01 REPORT NO.: 12 DATE: 4/20/17
 COA PROJECT NO.: _____

Test No.	Location	Elevation	Proctor Number	Field Moisture (%)	Field Dry Density (PCF)	Relative Compaction (%)	Specified Compaction (%)
58	House pad 7 SW Corner	-2' FSG	2	9.0	123.2	96	95
59	House pad 7 NE Corner	-2' FSG	2	7.4	122.4	95	95
60	House pad 6 SW Corner	-2' FSG	2	8.0	122.3	95	95
61	House pad 6 NE Corner	-2' FSG	2	8.2	122.8	96	95

Proctor Test Utilized				
Proctor No.	Sample Location	Opt. Moisture Content (%)	Maximum Dry Dens (pcf)	Soil Description
2	Excavated matier from SE of Lot #1 (17-57)	8.2	128.2	Clayey SAND with Silt

WEATHER: Sunny and Warm

EQUIPMENT: Front Loader

REMARKS: Contracting personnel informed of the test results.

COMPACTION TEST RESULTS

PROJECT : Desert Ridge Unit 3 Earthwork

CLIENT: Rio Grande Realty & Investments, LLC

TECHNICIAN: Aaron Deans

PROJECT NO.: 444317-2700000.01 REPORT NO.: 13

DATE: 4/21/17

COA PROJECT NO.: _____

Test No.	Location	Elevation	Proctor Number	Field Moisture (%)	Field Dry Density (PCF)	Relative Compaction (%)	Specified Compaction (%)
62	House pad #7 South Center	-1' FSG	2	8.4	123.4	96	95
63	House pad #7 North Center	-1' FSG	2	9.4	124.9	97	95
64	House pad #6 South Center	-1' FSG	2	8.7	126.4	99	95
65	House pad #6 North Center	-1' FSG	2	8.9	125.8	98	95
66	House pad #10 SE Corner Box	-4' FSG	2	9.2	122.9	96	95
67	House pad #10 NW Corner Box	-4' FSG	2	7.5	124.3	97	95
68	House pad #7 SE Corner	FSG	2	10.0	123.2	96	95
69	House pad #7 NW Corner	FSG	2	8.7	123.3	96	95
70	House pad #6 SE Corner	FSG	2	10.3	125.2	98	95
71	House pad #6 NW Corner	FSG	2	9.9	125.8	98	95

Proctor Test Utilized

Proctor No.	Sample Location	Opt. Moisture Content (%)	Maximum Dry Dens (pcf)	Soil Description
2	Excavated material from SE of Lot #1 (17-63)	9.2	128.2	Clayey SAND with Silt

WEATHER: Sunny and Warm

EQUIPMENT: Front Loader

REMARKS: Contracting personnel informed of the test results.

NV5

9019 Washington Street NE Ste A
Albuquerque, New Mexico 87113
Phone: 505-344-7373 / Fax: 505-344-1711

April 25, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

Dear Sir or Madam:

Attached are copies of the Earthwork Compaction Test Results for the subject project.

Should you have any questions regarding this data, please do not hesitate to call.

Sincerely,


Hugo Esquivias

NV5


Robert K. Abeyta, S.E.T.

Attachment: Report No.: 14

cc: Addressee: (Email)
Mr. Adil Rizvi (Email)
Mr. Shakeel Rizvi (Email)

rlb

Geotechnical Engineering * Materials Testing * Environmental Engineering

COMPACTION TEST RESULTS

PROJECT : Desert Ridge Unit 3 Earthwork

CLIENT: Rio Grande Realty & Investments, LLC

TECHNICIAN: Hugo Esquivias

PROJECT NO.: 444317-2700000.01 REPORT NO.: 14

DATE: 4/24/17

COA PROJECT NO.: _____

Test No.	Location	Elevation	Proctor Number	Field Moisture (%)	Field Dry Density (PCF)	Relative Compaction (%)	Specified Compaction (%)
72	Lot #6 - Center of pad	FSG	1	5.5	126.4	95	95
73	Lot #7 - Center of pad	-1' FSG	1	6.8	129.1	97	95
74	Lot #9 - South end of pad	-5' FSG	1	5.7	126.3	95	95
75	Lot #10 - Center of pad	-4' FSG	1	8.3	129.7	98	95

Proctor Test Utilized

Proctor No.	Sample Location	Opt. Moisture Content (%)	Maximum Dry Dens (pcf)	Soil Description
1	Excavated material from lot 5 (17-56)	6.5	133.0	Silty SAND

WEATHER: Partly Cloudy and Calm

EQUIPMENT: Front loader and Water truck

REMARKS: Contracting personnel informed of the test results.



9019 Washington Street NE Ste A
Albuquerque, New Mexico 87113
Phone: 505-344-7373 / Fax: 505-344-1711

May 1, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

Dear Sir or Madam:

Attached are copies of the Earthwork Compaction Test Results for the subject project.

Should you have any questions regarding this data, please do not hesitate to call.

Sincerely,

Geoffrey Juskiewicz

Robert K. Abeyta, S.E.T.

Attachment: Report No.: 17

cc: Addressee: (Email)
Mr. Adil Rizvi (Email)
Mr. Shakeel Rizvi (Email)

rlb

Geotechnical Engineering * Materials Testing * Environmental Engineering

COMPACTION TEST RESULTS

PROJECT : Desert Ridge Unit 3 Earthwork CLIENT: Rio Grande Realty & Investments, LLC
 TECHNICALIAN: Geoffrey Juskiewicz
 PROJECT NO.: 444317-2700000.01 REPORT NO.: 17 DATE: 4/28/17
 COA PROJECT NO.: _____

Test No.	Location	Elevation	Proctor Number	Field Moisture (%)	Field Dry Density (PCF)	Relative Compaction (%)	Specified Compaction (%)
84	House pad 9	-2' FSG	3	8.5	122.4	95	95
85	House pad 10	-1' FSG	3	7.8	122.7	95	95
86	House pad 10	FSG	3	10.7	122.0	95	95

Proctor Test Utilized

Proctor No.	Sample Location	Opt. Moisture Content (%)	Maximum Dry Dens (pcf)	Soil Description
3	Import from stockpile on pad #8 (17-69)	8.2	128.9	Silty SAND

WEATHER: Cloudy and Light Rain

EQUIPMENT: Front loader and Several trucks

REMARKS: Contracting personnel informed of the test results.

NV5

9019 Washington Street NE Ste A
Albuquerque, New Mexico 87113
Phone: 505-344-7373 / Fax: 505-344-1711

April 10, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

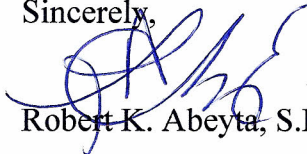
Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

Dear Sir or Madam:

Attached are copies of the Proctor Test Results for the subject project.

Should you have any questions regarding this data, please do not hesitate to call.

Sincerely,



Robert K. Abeyta, S.E.T. (ICC #5104479)

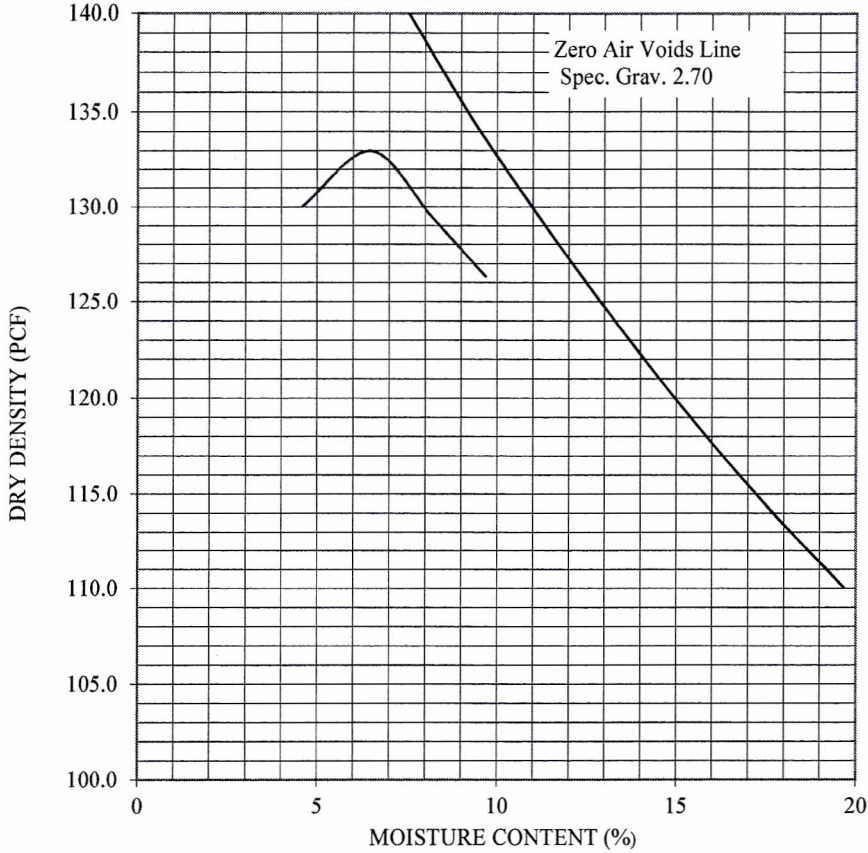
Attachment: Figure No. ; 1

cc: Addressee: (Email)
Mr. Adil Rizvi (Email)
Mr. Shakeel Rizvi (Email)

rb

Geotechnical Engineering * Materials Testing * Environmental Engineering

PROCTOR TEST RESULTS



Max Dry Density= 133.0 PCF

Optimum Moist.= 6.5 %

Test Method : ASTM D1557-B

Method: Manual Hammer

NV5 Project No.: 444317-2700000.01.002
 Project Title : Desert Ridge Unit 3 Earthwork
 Date Sampled : 4/3/17
 Sample Location : Excavated material from lot 5

COA Number:

Sample No. : 56

Sieve Analysis ASTM C-136

Sieve	mm	% Passing	Spec.
3"	75.0		
2"	50.0		
1 1/2"	37.5		
1"	25.0		
3/4"	19.0		
1/2"	12.5	100	
3/8"	9.5	99	
No. 4	4.75	94	
No. 8	2.36	77	
No. 10	2.00	71	
No. 16	1.18	54	
No. 30	0.60	38	
No. 40	0.425	32	
No. 50	0.300	28	
No. 80	0.180	23	
No. 100	0.150	22	
No. 200	0.075	13	

Atterberg Limits ASTM D4318

	Results	Spec.
LIQUID LIMIT	NV	
PLASTIC LIMIT	NV	
PLASTICITY INDEX	NP	
NV=Not Valid NP=Non Plastic		

ASTM D2487 USCS: SM (Silty SAND.)

AASHTO M145 CLASS.: A-2-4

EST. R-VALUE: 50
 (Based on NMSHTD 97 Charts)

Specification Used : None

Figure: 1

NV5

9019 Washington Street NE Ste A
Albuquerque, New Mexico 87113
Phone: 505-344-7373 / Fax: 505-344-1711

April 17, 2017

Rio Grande Realty & Investments, LLC
P.O. Box 999
Corrales, NM 87048

Attn: Mr. Todd Kruger

Project: Desert Ridge Unit 3 Earthwork
NV5 Project No. 444317-2700000.01.002

Dear Sir or Madam:

Attached are copies of the Proctor Test Results for the subject project.

Should you have any questions regarding this data, please do not hesitate to call.

Sincerely,



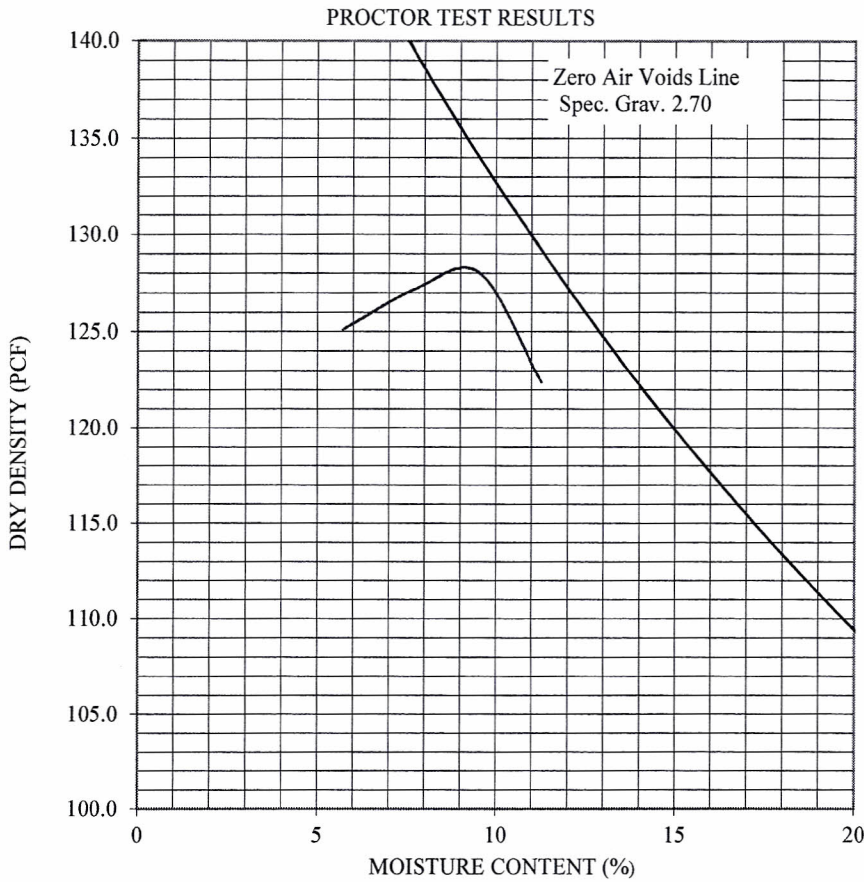
Robert K. Abeyta, S.E.T.

Attachment: Figure No.; 2

cc: Addressee: (Email)
Mr. Adil Rizvi (Email)
Mr. Shakeel Rizvi (Email)

rlb

Geotechnical Engineering * Materials Testing * Environmental Engineering



Max Dry Density= 128.2 PCF

Optimum Moist.= 9.2 %

Test Method : ASTM D1557-B

Method: Manual Hammer

NV5 Project No.: 444317-2700000.01.002
Project Title : Desert Ridge Unit 3 Earthwork
Date Sampled : 4/11/17
Sample Location : Excavated material from SE of Lot #1

COA Number:

Sample No. : 63

Sieve Analysis ASTM C-136

Sieve	mm	% Passing	Spec.
3"	75.0		
2"	50.0		
1 1/2"	37.5		
1"	25.0		
3/4"	19.0		
1/2"	12.5	100	
3/8"	9.5	99	
No. 4	4.75	96	
No. 8	2.36	89	
No. 10	2.00	86	
No. 16	1.18	82	
No. 30	0.60	69	
No. 40	0.425	64	
No. 50	0.300	61	
No. 80	0.180	55	
No. 100	0.150	53	
No. 200	0.075	39	

Atterberg Limits ASTM D4318

	Results	Spec.
LIQUID LIMIT	24	
PLASTIC LIMIT	19	
PLASTICITY INDEX	5	
ASTM D2487 USCS:	SC-SM	(Clayey SAND with silt.)
AASHTO M145 CLASS.:	A-4	
EST. R-VALUE:	34	
(Based on NMSHTD 97 Charts)		
Specification Used :	None	

Figure: 2