



**LAS VEGAS VALLEY
WATER DISTRICT**

1001 South Valley View Boulevard
Las Vegas, NV 89153
(702) 870-2011 • lvvwd.com

May 5, 2016

Nevada by Design
5755 South Sandhill Road, Suite B
Las Vegas, Nevada 89120

Attention: Kent Anderson

**SUBJECT: HYDRAULIC GRADE LINES FOR THE PROPOSED
RMCM LAW OFFICES DEVELOPMENT**

This letter is in response to your inquiry on May 4, 2016, regarding hydraulic grade lines (HGLs), for the above-mentioned property. The subject property lies within the 2168 Pressure Zone. The HGLs listed below were calculated using computer network analysis modeling for the intersection of the 8-inch diameter pipeline in South 3rd Street, and the 6-inch diameter pipeline in Garces Avenue. Please note that these HGLs are subject to change without notice based on the rate of development in the subject pressure zone, and may need to be recalculated prior to approval of your project.

A water quality mitigation plan may be required depending on location and configuration of your proposed pipeline network.

<u>DEMAND CONDITION</u>	<u>HGL</u>
Maximum Day	2,153 feet
Maximum Day + 1,250 gpm Fire Flow	2,146 feet
Peak Hour	2,137 feet

Please note that the above HGLs were calculated only for the property with APN 139-34-310-047, which will be developed as commercial. Should there be changes to development size, type, or density, please contact the District's Planning Division for revised HGLs reflecting these changes to the subject project prior to proceeding with the design of water improvements.

Please refer to the District's guidelines for hydraulic analysis report preparation located on the District's website. For additional information regarding standards for hydraulic analyses, please refer to the "Uniform Design and Construction Standards for Water Distribution Systems, 3rd Edition." This publication and addenda can be obtained online at LVVWD.com.

Should you have any questions or require additional information, please contact Morris Brown at (702) 258-3908.

Sincerely,

static head = 2137-2021 = 116 feet
= 50.psi

Nass Diallo, P.E.
Senior Civil Engineer, Planning Division

ND:MB:ms

cc: Engineering Services