

ALLEN CONSULTING ENGINEERS, INC.

411 E. Auto Valley Drive, Suite 103  
Mesa, Arizona 85206  
Ph: 480-844-1666 Fax: 480-830-8453  
E-mail: ace@allenconsultengr.com

October 19, 2017

Town of Paradise Valley Hillside Committee  
6401 E. Lincoln Drive  
Paradise Valley, AZ 85253

Re: 6550 E. Meadowlark Lane  
Drainage Statement

This letter will serve as the drainage narrative for the above mentioned project. This site is a hillside development with a high elevation of 1425 at the southwest corner of the site and a low elevation of 1357 (the ultimate site outfall location) at the northeast corner of the site. Drainage flow enters the site from the southwest and flows across the site in a northeasterly direction across a ground slope of approximately 16%.

A 1-ft deep retention basin is proposed onsite to collect the storm water runoff from the proposed developed area onsite. The volume of retention within the basin will include the resulting volume created from the pre vs. post 100-yr storm volume from the developed portion of the site. The remaining undeveloped area will continue to flow through the site via its natural course. A proposed paved driveway will be installed to provide access to the residents from the street. This driveway will be installed such to not adversely affect the drainage patterns onsite.

This project will not change the historical discharge location of storm water runoff and will not create a negative drainage impact downstream.

Regards,

Joseph Burke, P.E.

