

MEMORANDUM

To: City of Scottsdale

From: Zach Hill, PE
Kimley-Horn and Associates, Inc.

Date: February 24, 2020

Subject: Solitude ESLO Wash Modifications

NARRATIVE

This memo is provided to support the ELSO Wash Modification submittal for the Solitude zoning case. The zoning drainage report for Solitude identified two significant washes on the project site. The goal of the development is to meet DS&PM standards and limit the impact to these primary washes. The proposed development implements a roadway and lotting layout that contours to the existing topography and maintains the existing wash corridors.

A portion of the significant wash identified as Wash A within the drainage report will be impacted by the proposed roadway. It is proposed to modify the wash to route to a proposed culvert system to pass below the entry roadway. Once pass the entry roadway additional grading is proposed to ensure the design flows will be routed downstream to meet existing conditions. The proposed re-routing will occur over approximately 500 feet and is designed to match the natural condition of the wash.

Additionally, the significant Wash C that runs parallel to the south property line will be impacted by future single-lot development. Single-lots 9-12 may require future erosion protection. The Wash C corridor is proposed to be maintained and a significant amount will be dedicated as NAOS.

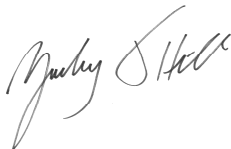
Both wash modification occurs entirely within the proposed development and will not impact adjacent properties.

ALTERNATIVES

Multiple site layouts were considered in the preliminary design stages of this project. The selected layout has the least amount of impacts to the significant washes and maintains more substantial open space while minimizing the overall impacts to significant washes on the property.

If you have any further questions please feel free to contact me at (480) 207-2669.

Sincerely,
KIMLEY-HORN AND ASSOCIATES, INC.



Zach Hill, P.E.