

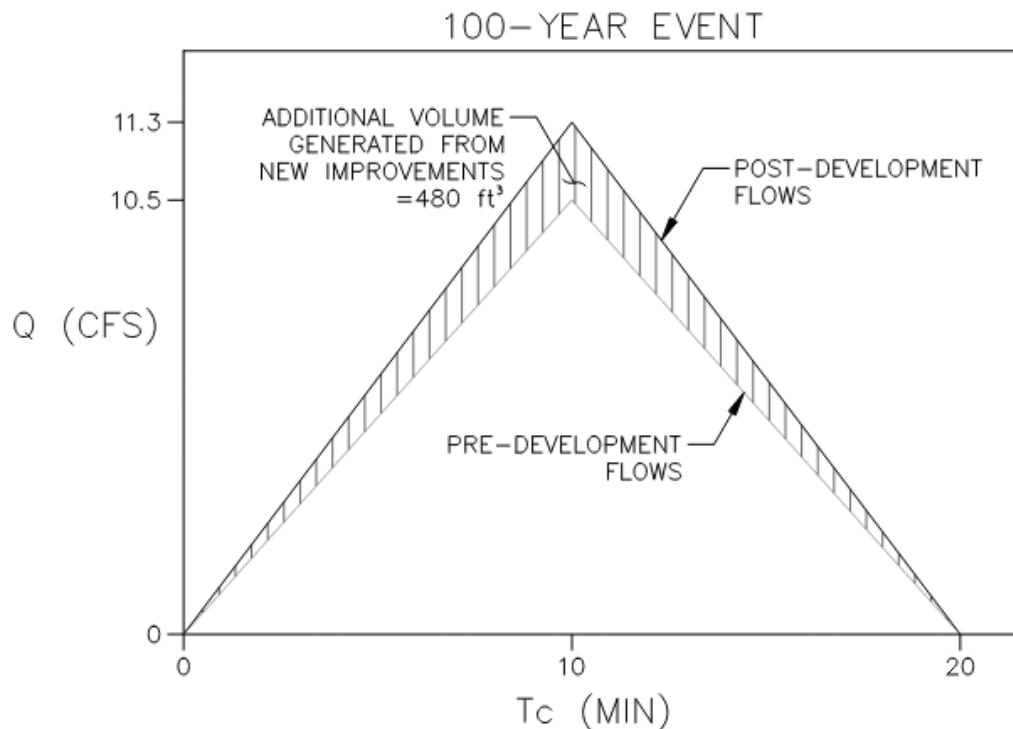
Planning and Development Services

County of San Diego
Land Development
5510 Overland Avenue
San Diego, CA 92123

Re: Casa Del Zorro Solar: PDS2019-AD-19-028

I, Curtis W. Slagell, RCE No. C 46218, certify that the following calculations show that the development of the subject project will not substantially alter the drainage patterns from the existing condition to the fully developed condition. The proposed development will not increase the volume and the velocity of the surface flows to the detriment of downstream landowners and facilities.

Existing Condition	Developed Condition
C = 0.25 (Natural Terrain)	C = 0.27 (Composite C Value Calculation)
I = 6.39 in/hr (min. t_c = 10 minutes)	I = 6.39 in/hr (min. t_c = 10 minutes)
A = 6.56 Acres	A = 6.56 Acres
Q_{100} = CIA = 10.5 CFS (min. t_c = 10 minutes)	Q_{100} = CIA = 11.3 CFS (min. t_c = 10 minutes)
V_{100} = Sheet Flow at 1.8% = 2.64 FPS (Manning's)	V_{100} = Sheet Flow at 1.8% = 2.64 FPS (Manning's)



**SDC PDS RCVD 11-30-20
AD19-028**

The above hydrograph shows the projected runoff volume of 480 cubic feet with an assumed time of concentration of ten minutes. This volume is associated with the 100-year storm event. Aztec has added a collection swale and basin to the site plan that will capture the required volume. If you have any further concerns regarding this certification, please use my contact information provided below. Thank you for your consideration in the approval of this project.

Sincerely,

Curt Slagell

A circular professional engineer seal for the State of California. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF CALIFORNIA" at the bottom. The inner circle contains the name "CURTIS W. SLAGELL" at the top, the license number "C 46218" in the center, and the expiration date "EXP 12/31/20" at the bottom. Below the expiration date, the word "CIVIL" is written.

November 18, 2020