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WW Design & Consulting, Inc.

5427 W 139th Street, Hawthorne, CA 90250

rick@photosims.com • (415) 350-5842

www.photosims.com • www.wwdci.com

September 16, 2015

MT. SAN ANTONIO COLLEGE WEST PARCEL SOLAR PROJECT

Site Visits & Line of Site Vetting

WW Design & Consulting, Inc. visited the project site on September 14, 2015 and September 16, 2015 to evaluate existing conditions and take photographs from the locations referenced in the United Walnut Taxpayers' Mt. SAC Solar Power Plant Line of Site and Alternative Issues presentation dated August 2015. In some cases, private residence access was required to view the locations referenced in the Taxpayers' presentation. Wherever possible, a suitable publically accessible substitute location was chosen to reasonably demonstrate the potential visual impact of the proposed Project. The photograph locations, including latitude and longitude coordinates, were recorded. All photographs were shot at 5'-8" above finished grade (approximate eye level) at each location using a Nikon D3100 camera at a 52.5mm effective focal length.

Project Simulation

WW Design & Consulting, Inc. created a three-dimensional scale model of the proposed Project based on the information provided by both Psomas and Borrego Solar Systems using Autodesk 3ds Max modeling and animation software. An in-software daylight system was created to simulate the sun location and strength at the Project longitude and latitude at the time the photographs were taken. Using the real world camera locations as a reference, virtual cameras were created in the scale model at the various locations so the subsequent renders would precisely match the real world photographs. The focal lengths, aperture, exposure time and camera heights of the virtual cameras were then created to precisely match the real world camera settings. Virtual photographs of the viewpoint locations were then rendered in Autodesk 3ds Max.

The rendered site photographs were then composited with their real world photograph counterparts in Adobe Photoshop to complete the simulated views of the Project.

Shot Map



Existing

Date Taken: 09.14.2015 12:46 PM
Effective Focal Length: 52 mm



Proposed

Date Taken: 09.14.2015 12:46 PM
Effective Focal Length: 52 mm



Existing

Date Taken: 09.16.2015 8:42 AM
Effective Focal Length: 52 mm



Proposed

Date Taken: 09.16.2015 8:42 AM
Effective Focal Length: 52 mm



Existing

Date Taken: 09.16.2015 8:42 AM
Effective Focal Length: 52 mm



Proposed

Date Taken: 09.16.2015 8:42 AM
Effective Focal Length: 52 mm



Existing

Date Taken: 09.14.2015 1:17 PM
Effective Focal Length: 52 mm



Proposed

Date Taken: 09.14.2015 1:17 PM
Effective Focal Length: 52 mm



Existing

Date Taken: 09.14.2015 12:46 PM
Effective Focal Length: 52 mm



Proposed

Date Taken: 09.14.2015 12:46 PM
Effective Focal Length: 52 mm

