DOLORES LAKE PARK

CEQA WATER QUALITY MANAGEMENT PLAN

San Bernardino County Project P201300567

Prepared by

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For

County of San Bernardino
Land Use Services Department – Planning Division

Applicant:

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1. Project Description

Dolores Lake Park, the Project, consists of the following seven (7) development phases, as shown in Exhibit 1 - Site Plan:

- Restore the existing facilities and infrastructure for Phase 1 – Lake Recreational Area, Phase 2 – RV Park and Phase 3 - Water Park to conform to County Ordinances and Standards.
- Phase 4 - Administration Complex with offices, library, amphitheater and public services
- Phase 5 - Commercial Complex including Retail Shops , Restaurants and Hotels etc.
- Phase 6 - Solar Power Station on covered Parking Areas
- Phase 7 - New Interchange for Interstate 15 (I-15) with Bragdon Road

2. Location

The Park is located along Interstate 15, about 20 miles northeast from City of Barstow, San Bernardino County, California. Project site is about 268 acres, commonly known as Lake Dolores, at 72 Hacienda Road, Newberry Springs, CA 92352 – APN: 0539-031-02-0000.

3. Sources of Water Supply

Ever since the Park is established, its only source of water has been from the aquifer of Mojave Basin Area (MBA). All water rights are legally adjudicated. The entitlement, as shown in MBA Water master Report dated 05/01/2016 for Water Year 2014 - 15, consists of :

Recirculated Water, primarily for Dolores Lake	445 acre feet annually
Free Production Allowance (FPA)	483 acre feet annually

Free Production Allowance is subject to annual allocation, depending upon the water available in the Basin. In addition, unused quantity of FPA for the previous year is carried over to the current year for use.

If needed, additional water is available and can be purchased either directly from the MBA Water master or from other water-rights Owners.

Exhibit 2 – Water master Report dated 05/01/2016 is attached for reference.

4. Water Treatment

In general, the quality of MBA water is good for normal use. Still, in compliance with County Ordinances and Standards, the basin water will be tested periodically.

Depending upon test results, the water will be treated for specific uses, such as swimming, drinking and other uses.

For Phases 4 through 7, new **Water Treatment Plant** will be constructed, as the demand increases . The Plant shall be of modular design, to add more units, as necessary for the Park operations.

5. Waste Water

Existing Sewer System for waste water from Phase 1 – Lake Recreation Area, Phase 2 – RV Park and Phase 3 - Water Park was permitted, constructed and used from 1998 through 2004, while the Water Park was operating. For layout and details, see Exhibit 3 – Sewer System Drawings 1 – 4.

Existing facilities and infrastructure for the entire Sewer System will be inspected and repaired/replaced, as necessary to conform to County Ordinances and Standards.

For Phases 4 through 7, new Waste Water Treatment Plant will be constructed, as the demand increases. The Plant shall be of modular design, to add more units, as necessary for the Park operations. The affluent shall be of recycling quality for on-site use and landscaping etc.

6. Storm Water

There is no evidence of flooding at the Project Site. The soil is quite sandy. Rainfall, if any, seeps into the ground. There may be a little ponding of water at the depressions , which either evaporates or seeps into the ground very quickly.

As the Project develops, necessary Storm Drain system will be installed to intercept the storm flow for recycling or diverted to the existing Lake

7. Conclusion

The Project would:

a. Meet wastewater treatment requirements of the applicable Regional Water Quality Control Board.
b. Not require any new water or wastewater treatment facilities which could cause significant environmental effects.
c. Not require any new storm water drainage facilities which could cause significant environmental effects.
d. Have sufficient water supplies available to serve various phases of the project from existing entitlements.
e. Have its own wastewater treatment system of adequate capacity to serve the projected demand.

Appendix A - Answers to CEQA Checklist Items for this Study are attached for reference.

8. Certification

I hereby certify that I am a registered Professional Engineer in the State of California and have special expertise in Hydraulics & Design of Treatment Control Best Management Practices (BMPS) relating to State Highway Projects.

Dave Bhalla P.E.(Civil) Date : Feb 28,2017 .

APPENDIX A

Answers to CEQA Checklist Items

XVI. UTILITIES AND SERVICE SYSTEMS -- Would the project:	**Potentially Significant Impact**	**Less Than Significant with Mitigation Incorporated**	**Less Than Significant Impact**	**No Impact**
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	❒	❒	❒	●
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	❒	❒	❒	●
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	❒	❒	❒	●
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	❒	❒	❒	●
e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	❒	❒	❒	●