

APPENDIX D
TRAFFIC MEMO



August 12, 2019

Ms. Nancy Ferguson
Environmental Project Manager
Jericho Systems, Inc.
47 First Street
Redlands, CA 92373

Traffic Impact Memo
MiraGrand Well Site
19-1029

RE: MiraGrand Well Site Traffic Memo

Ms. Nancy Ferguson:

Hernandez, Kroone & Associates (HKA) has been contracted by Jericho Systems, Inc. to perform a traffic investigation for the removal for the MiraGrand Well and Pipeline Project. Based on the project description and schedule of pipeline construction, HKA has determined that there are no significant impact to the traffic operations of the circulation network and that a traffic impact study is not warranted.

The lead agency of the project is Three Valleys Municipal Water District (TVMWD). The project will be located at 675 E. Miramar Avenue Claremont, CA. The existing site is a vacant lot located at the northwest corner of Miramar Avenue and Grand Avenue, assessor's parcel number 8671-009-019. The project is located in a residential area.

TVMWD is proposing the development of a new well to supplement the existing groundwater production wells currently in operation in order to provide high-quality treated drinking water to its member agencies. Once completed, untreated groundwater pumped from this production well would be conveyed through a new approximately 150 linear foot 8-inch ductile iron pipe (DIP) to interconnect with the existing water line on Grand Avenue as it intersects with Miramar Avenue. Ultimately, this water will be conveyed to TVMWD's Miramar WTP where it will be treated and made available to its member agencies.

The project site will be developed with the following elements:

- The groundwater well and pipeline will be developed underground at the project site.
- The site will be surrounded by a concrete masonry unit (concrete block) wall and gated for access only by authorized personnel.
- Aboveground pumps and related equipment will be housed within a small concrete masonry block building

Construction of the project will take place from March to September 2020. The City of Claremont's noise ordinance requirements limit construction hours to between 7:00 am - 6:00 pm, Monday through Saturday.

234 East Drake Drive ▲ San Bernardino, California 92408
Phone: (909) 884-3222 ▲ Fax: (909) 383-1577 ▲ www.hkagroup.com

The maximum amount of construction laborers and traffic anticipated to work on the site at any point is 10 laborers during the installation of the pipeline, inclusive of equipment operators. The existing vacant lot located at the northwest corner of Miramar Avenue and Grand Avenue will be utilized as the staging yard for the project, limiting the transport of construction equipment to and from the project.

Equipment to be utilized during the construction of the pipeline includes the following:

Equipment	Number of Pieces
Backhoe/Excavator	1
Crane	1
Pavement cutter	1
Grinder	1
Delivery trucks	2
Dump truck	1
Water truck	1
Paving machine	1
Roller/vibrator	1
Total	10

All equipment, with the exception of delivery trucks, will be stored on-site in the staging yard.

The following table gives an estimate of project trips assuming that laborers commute to and from the site, in individual vehicles, during both AM Peak Hour and PM Peak Hour.

AM Peak Hour		PM Peak Hour	
In	Out	In	Out
12	2	2	12

These values represent the amount of laborers commuting to and from the site (10 laborers) as well as 2 delivery trucks entering and exiting the site during the peak hour period. Due to the lack of on-street parking, all construction personnel will need to park within the construction site and staging yard.

During the construction of the pipeline, work will take place in the travel path at the intersection of Grand Avenue and Miramar Avenue, requiring lane closures to complete these tasks. The construction contractor will be responsible for development of a traffic control plan (TCP) in order to minimize impacts on residents leaving and returning to the neighborhood during construction. The TCP will include consideration of vehicles, bicycles and pedestrians that may need access through the construction zone along Miramar Avenue and Grand Avenue in the vicinity of the project site.

Based on the project description and assumptions above, the amount of construction project trips generated by the site does not create a significant impact on traffic flow in the area or require further analysis.

Ms. Nancy Ferguson
August 12, 2019
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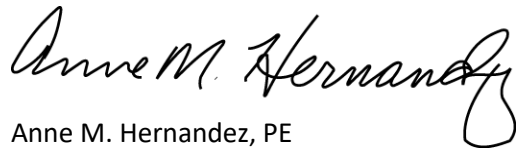
Hernandez, Kroone & Associates
Civil Engineers and Land Surveyors

If you have any questions regarding this traffic memorandum, please contact Omar Sarsour at (909) 884-3222 or omars@hkagroup.com.

Sincerely,

A handwritten signature in black ink, appearing to be 'Omar Sarsour', written in a cursive style.

Omar Sarsour, PE, LSIT
omars@hkagroup.com
(909) 884-3222 ext. 1170

A handwritten signature in black ink, appearing to be 'Anne M. Hernandez', written in a cursive style.

Anne M. Hernandez, PE
Principal

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