



AGENDA REPORT

SAN CLEMENTE CITY COUNCIL MEETING
Meeting Date: October 1, 2013

Department: Public Works / Engineering
Prepared By: Ken Knatz, Principal Civil Engineer DR

Subject: *CITY COUNCIL ACCEPTANCE AND NOTICE OF COMPLETION FOR THE WELL WATER TREATMENT BACKWASH PIPELINE AND AVENIDA VAQUERO WATERLINE REPLACEMENT, PROJECT NOS. 24401 & 13405.*

Fiscal Impact: None. The total project cost is within the approved budget.

Summary: Acceptance and Notice of Completion for GCI Construction Company, Inc. for successful completion of contract work for the Well Treatment Backwash Pipeline and Avenida Vaquero Waterline Replacement.

Background: The Well Treatment Backwash Pipeline and Avenida Vaquero Waterline Replacement were bid concurrently. Individual project descriptions are provided below:

Well Treatment Backwash Pipeline, Project No. 24401

The City's Well Filtration Plant is operated to remove iron and manganese from groundwater pumped from Wells No. 6 and 8. The water is filtered and blended into the Reservoir No. 1 service zone. Based on the review of the design and in consultation with the filter vessel manufacturer, it was determined that the available backwash flow was not sufficient to effectively clean the filter media resulting in partial cleaning of the filters and more frequent backwash cycles. To improve filter operation, staff designed improvements to provide higher pressure to properly backwash the filters per manufacturer's recommendations. The completed improvements include hydraulic control valves, process piping within the facility and 200 linear feet of 8" PVC pipeline in Calle Bahia.

A detailed summary of the total expenditures is provided below:

Engineering Design	\$21,000
Administration, Construction Management & Inspection	12,000
Construction	124,390
Total Project Cost	\$157,390

Vaquero Waterline Replacement, Project No. 13405

The potable water service to a portion of the 100 block of Avenida Vaquero has deteriorated due to corrosive soils. Three repairs have been made to the ductile iron pipe water main since installation in 2000. Removed sections of pipe revealed thin-walled areas of the pipe caused by external corrosion. To mitigate continued pipe

failures, staff designed a 300 linear feet of 8-inch Polyvinyl Chloride (PVC) water main and associated appurtenances to replace the deteriorated 8-inch ductile iron pipe water main. The new PVC water main will not be susceptible to the corrosive soils.

A detailed summary of the total expenditures is provided below:

Engineering Design	\$ 9,500
Administration, Construction Management & Inspection	7,000
Construction	75,888
Total Project Cost	\$92,388

Recommended

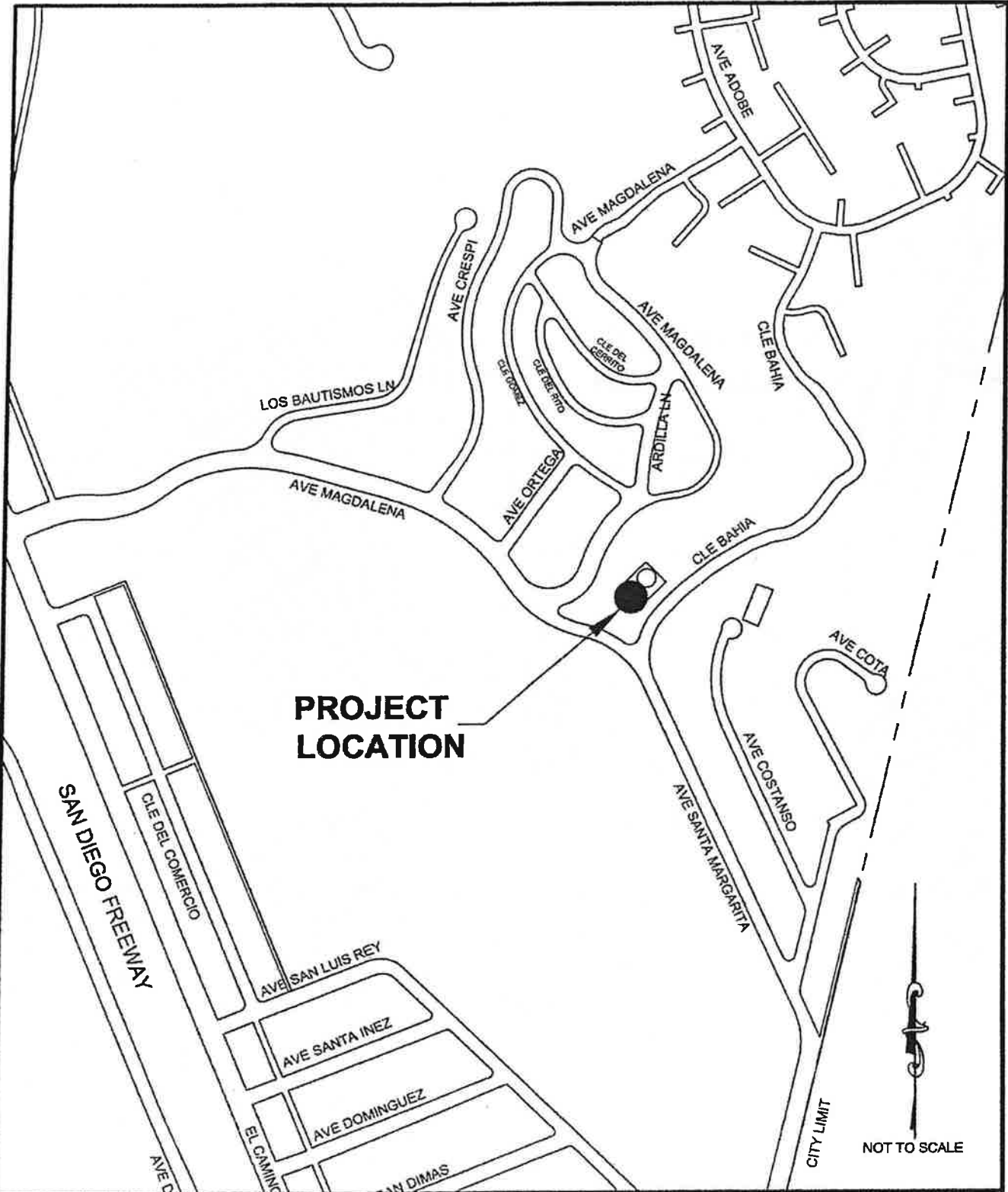
Action: STAFF RECOMMENDS THAT the City Council:

1. Accept the Well Water Treatment Backwash Pipeline and Avenida Vaquero Waterline Replacement, Project Nos. 24401 & 13405;
2. Authorize the Mayor to execute and City Clerk to record the Notice of Completion for the Well Treatment Backwash Pipeline and Avenida Vaquero Waterline Replacement, Project Nos. 24401 & 13405;
3. Authorize the City Clerk to release the Payment Bond 35 days from the recordation of the Notice of Completion upon verification with the Engineer's Division that no liens have been levied against GCI Construction Company, Inc., and
4. Authorize the City Clerk to release the Performance Bond upon receipt of a Warranty Bond in the amount of 25% of the construction cost.

- Attachments:**
1. Location Maps (2)
 2. Notice of Completion

Notification: None.

GD-2



City of San Clemente

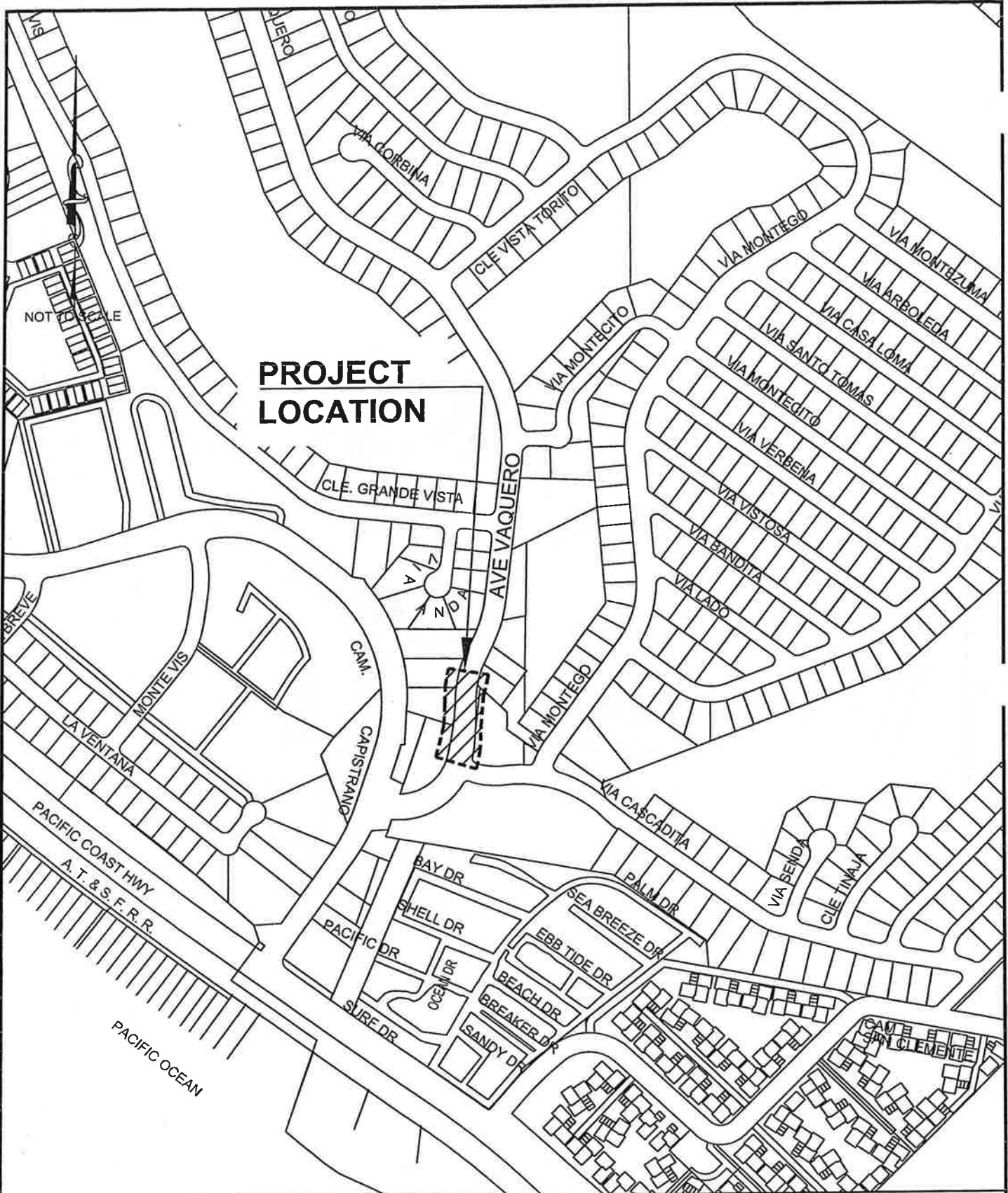
910 Calle Negocio, Suite 100
 San Clemente, CA 92673
 Tel (949) 361-6100
 Fax (949) 361-6316

LOCATION MAP

**WELL TREATMENT BACKWASH
 PIPELINE
 Project No. 24401**

6D-3

\\CD\Graphics_CD\AutoCAD Engr Drawings\Location Maps\CAD\Location Plan (Admin Report).dwg 11/30/2012 11:37:47 AM



**PROJECT
LOCATION**

LOCATION MAP



City of San Clemente

910 Calle Negocio, Suite 100
 San Clemente, CA 92873
 Tel (949) 361-6100
 Fax (949) 361-8316

Avenida Vaquero Waterline Replacement

P.N. 13405

6.D-4

Exempt recording requested by the City of San Clemente per Gov. Code Sec. 6103 _____ City Clerk When Recorded Mail To: City Clerk City of San Clemente 100 Avenida Presidio San Clemente, CA 92672	
---	--

Space above this line for Recorder's use

NOTICE OF COMPLETION

Notice is hereby given by the undersigned owner, a public entity of the State of California, that a public work of improvement has been completed as follows:

***Project title or description of work:* Well Treatment Backwash Pipeline, Project No. 24401 & Avenida Vaquero Waterline Replacement, Project No. 13405**

***Date of completion:* October 1, 2013**

***Name of owner:* City of San Clemente**

***Interest or estate of owner:* Fee & Public Right-of-Way**

***Address of Owner:* 100 Avenida Presidio, San Clemente, CA 92672**

***Name of contractor:* GCI Construction, Inc.**

***Street address or legal description of site:* Calle Bahia and Avenida Santa Margarita Intersection & Avenida Vaquero from Via Cascadita to Calle Grande Vista.**

Dated: _____

Owner: City of San Clemente

Mayor _____

STATE OF CALIFORNIA)
 COUNTY OF ORANGE) ss
 CITY OF SAN CLEMENTE)

I am the City Clerk of the City of San Clemente, the public entity which executed the foregoing notice, and on whose behalf I make this verification: I have read said notice, know its contents, and the same is true. I certify under penalty of perjury that the foregoing is true and correct.

City Clerk _____

Dated this _____ day of _____, _____

6D-5