



Tuesday, July 23, 2013
Regular Meeting – 6:00 p.m.

ROLL CALL:

- Gustavo V. Camacho, President
- Brent A. Tercero, Vice President
- Bob J. Archuleta, Commissioner
- David W. Armenta, Commissioner
- Gregory Salcido, Commissioner

Council Chambers
6615 Passons Blvd.

- Next Resolution No. 13-30
- Next Ordinance No. 13-01
- Next Agreement No. 13-20

1st PERIOD OF PUBLIC COMMENTS - IF YOU WOULD LIKE TO SPEAK ON ANY LISTED AGENDA ITEMS, PLEASE FILL OUT A GREEN PUBLIC COMMENT REQUEST FORM AND PROVIDE IT TO THE STAFF MEMBER AT THE BACK TABLE BEFORE THE MEETING STARTS.

When you are called to speak, please come forward and state your name and city of residency for the record. You have three (3) minutes to make your remarks.

Any materials related to an item on the Agenda for open session submitted to the Water Authority after distribution of the agenda packet will be available for public inspection at City Hall (front counter), 6615 Passons Blvd., Pico Rivera, during normal business hours.

PLEASE TURN OFF ALL PAGERS AND/OR PHONES WHILE MEETING IS IN SESSION AND PLEASE REFRAIN FROM TEXTING DURING THE MEETING

In compliance with the Americans with Disabilities Act of 1990, the City of Pico Rivera is committed to providing reasonable accommodations for a person with a disability. Please call City Clerk's office at (562) 801-4389 if special accommodations are necessary and/or if information is needed in an alternative format. Special requests must be made in a reasonable amount of time in order that accommodations can be arranged.

CONSENT CALENDAR ITEMS:

All items listed on the Consent Calendar may be acted on by a single motion without separate discussion. Any motion relating to a Resolution or Ordinance shall also waive the reading of the titles in full and include its adoption as appropriate. If discussion or separate vote on any item is desired by a Commissioner or staff, that item may be removed from the Consent Calendar for separate consideration.

CONSENT:

1. Minutes:

- Approve Water Authority meeting of June 25, 2013.

2. Resolution Approving the Gateway Integrated Regional Water Management Plan. (500)

Recommendation:

1. Adopt a resolution to approve the Gateway Integrated Regional Water Management Plan (IRWMP) dated June 2013.

Resolution No. _____ A RESOLUTION OF THE PICO WATER AUTHORITY, CALIFORNIA, AUTHORIZING THE ADOPTION OF THE GATEWAY INTEGRATED REGIONAL WATER MANAGEMENT PLAN

3. Rio Vista Park (CIP 21224) and Smith Park (CIP 21218) Master Plan Projects – Acceptance of Pico Water District’s Conditions of Approval.

Recommendation:

1. Accept Conditions of Approval for the Rio Vista Park and Smith Park Renovation Projects documented in the letter dated July 10, 2013 (Enclosure 1) necessary to secure domestic water service; and
2. Appropriate \$195,000 to the Rio Vista Park (CIP No. 21224) Renovation Projects to fund the improvements required in the Conditions of Approval.

LEGISLATION: None.

NEW BUSINESS:

OLD BUSINESS:

2ND PERIOD OF PUBLIC COMMENTS - THIS TIME IS RESERVED FOR COMMENTS THAT HAVE NOT BEEN ADDRESSED DURING THE MEETING OR THAT ARE NOT LISTED ON THE AGENDA. PLEASE FILL OUT A BLUE PUBLIC COMMENT REQUEST FORM AND PROVIDE IT TO THE STAFF MEMBER AT THE BACK TABLE BEFORE THE MEETING STARTS.

When you are called to speak, please come forward and state your name and city of residency for the record. You have three (3) minutes to make your remarks.

ADJOURNMENT:

AFFIDAVIT OF POSTING

I, Anna M. Jerome, Assistant City Clerk, for the City of Pico Rivera Water Authority, DO HEREBY CERTIFY, under penalty of perjury under the laws of the State of California, that the foregoing notice was posted at the Pico Rivera City Hall bulletin Board, Pico Rivera Post Office and Parks: Smith, Pico and Rivera and full agenda packets distributed to the Mines and Serapis Libraries, which are available for the public to view on this the 18th day of July 2013.

Dated this 18th, day of July 2013



Anna M. Jerome, CMC
Assistant City Clerk

SB343 NOTICE

In compliance with and pursuant to the provisions of SB343 any public writing distributed by the City Clerk to at least a majority of the City Council Members regarding any item on this regular meeting agenda will be available on the back table at the entrance of the Council Chamber at the time of the City Council meeting and at the counter of City Hall at 6615 Passons Boulevard, Pico Rivera, California during normal business hours.



Tuesday, June 25, 2013

A Regular Meeting of the Water Authority was held in the Council Chamber, Pico Rivera City Hall, 6615 Passons Boulevard, Pico Rivera, California.

Authority President Camacho called the meeting to order at 6:00 p.m.

PRESENT: Commissioners Archuleta, Armenta, Salcido, Tercero, Camacho

ABSENT: None

1st PERIOD OF PUBLIC COMMENTS – AGENDA ITEMS ONLY: None.

CONSENT CALENDAR:

1. **Minutes:**

- Approved Water Authority special meeting of June 11, 2013.

2. **Pico Rivera Water Authority Well No. 4 Rehabilitation, CIP No. 21248 – Notice of Completion.** (500)

1. Accept as completed, effective May 31, 2013, work performed by General Pump Company, Inc., for Pico Rivera Water Authority Well No. 4 Rehabilitation, CIP No. 21248, and instructed the Authority Secretary to file the Notice of Completion with the Los Angeles County Recorder.

Motion by Commissioner Salcido, seconded by Commissioner Armenta to approve Consent Calendar Items No. 1 and 2. Motion carries by the following roll call vote:

AYES: Archuleta, Armenta, Salcido, Tercero, Camacho

NOES: None

CONSENT CALENDAR ITEMS PULLED FOR FURTHER DISCUSSION: None.

LEGISLATION: None

2nd PERIOD OF PUBLIC COMMENTS – ALL OTHER CITY RELATED BUSINESS:

None.

ADJOURNMENT:

Authority President Camacho adjourned the meeting at 7:44 p.m. There being no objection it was so ordered.

AYES: Archuleta, Armenta, Salcido, Tercero, Camacho

NOES: None

Gustavo V. Camacho, President

ATTEST:

Anna M. Jerome, Authority Secretary

I hereby certify that the foregoing is a true and correct report of the proceedings of the Water Authority regular meeting dated June 25, 2013 and approved by the Water Authority on July 23, 2013.

Anna M. Jerome, Authority Secretary



To: President and Commissioners

From: Executive Director

Meeting Date: July 23, 2013

Subject: RESOLUTION APPROVING THE GATEWAY INTEGRATED REGIONAL WATER MANAGEMENT PLAN

Recommendation:

Adopt a Resolution to approve the Gateway Integrated Regional Water Management Plan (IRWMP) dated June 2013.

Fiscal Impact: None. The Gateway IRWMP is a regional planning document and does not obligate the City to future expenditures. For a project to receive State grants or loans, the project must be included in the IRWMP and the sponsoring water district must have formally adopted the IRWMP by resolution of its Water Board.

Discussion: The Gateway Region formed a joint powers authority (JPA) in 2007 under California law to steer its planning efforts and provide solid governance for plan development and implementation. Known as the Gateway Water Management Authority (GWMA), there are currently 23 signatories to the JPA (see map attached).

IRWMP – The City has collaborated with GWMA members, water agencies and interested parties of the Los Angeles Gateway Region (Gateway Region), to develop an Integrated Regional Water Management Plan (IRWMP). These entities share water resources, have common water quality, water supply, or storm runoff issues, and are demographically similar. These common traits provide a unique opportunity to jointly find integrated and coordinated solutions for the region's water-related issues through the IRWMP process.

IRWMP Process – IRWMP is a collaborative effort to manage all aspects of water resources in a region. IRWMP crosses jurisdictional, watershed, and political boundaries; involves multiple agencies, stakeholders, individuals, and groups; and attempts to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions. Stakeholders include cities, water districts, water companies, water wholesalers and groundwater suppliers, wastewater agencies, watershed-based environmental advocates, watershed organizations, and State and Federal agencies.

A stakeholder group was formed to provide recommendations to the GWMA on important decisions and to help guide the IRWMP process, and the City of Pico Rivera was a part of the group. Communication efforts were active, current, dependable, and provided an opportunity for a two-way dialog for all participants. Stakeholders compiled and finalized the goals and

PICO RIVERA WATER AUTHORITY AGENDA REPORT – MTG. OF 07/23/13
GATEWAY INTEGRATED REGIONAL WATER MANAGEMENT PLAN

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objectives of the IRWMP by consensus, and then advanced the list to the GWMA for final review and unanimous adoption in April 2012. Goals included (1) protect and enhance water quality, (2) optimize and ensure water supply reliability, and (3) provide stewardship of the Region's water dependent natural resources through enhancement of amenities and infrastructure.

Studies - To inform stakeholders of possible issues, the consultant team performed technical studies on groundwater and water quality, storm water and flooding, and water supply and demand for the Gateway Region. These studies identified the location and extent of groundwater and flooding issues, suggested additional monitoring, recommended Best Management Practices (BMPs) for storm water issues and confirmed the Gateway Region's water supply was generally adequate through 2030.

Projects - Stakeholders suggested projects for the IRWMP that would meet the IRWMP goals. Seventy-three (73) projects were collected, reviewed, and ranked by a Technical Review Team. The GWMA adopted the Project Review Criteria used to evaluate and rank projects as required by the Department of Water Resources IRWMP Guidelines. Pico Rivera was one (1) of the fifteen (15) member cities of GWMA to submit project ideas for the IRWMP. The projects generally span the geographical extent of the Gateway Region and project types were generally well distributed, but water quality was the predominate project type.

Several program "Alternatives" resulted from bundling complementing projects, including System Interties, Well Rehabilitation, Recycling and Conservation, Outfall Monitoring, Improving Catch Basins, Infrastructure Replacement, Groundwater Treatment, and Treatment of Low Flow Drainage. These programs were further advanced as regional projects and analyzed for benefits and impacts.

In March 2013, the GWMA submitted a Proposition 84 IRWM Implementation Grant application which included two projects that impact the City of Pico Rivera. The two projects are (1) Retrofit of Catch Basins that drain into the San Gabriel River, and (2) Pico Rivera Water Authority Intertie Project. It is required for agencies that are requesting funding from the Proposition 84 IRWM Implementation Grant Program to adopt the plan.

A full copy of the Gateway IRWMP is available for review in the Public Works Department and is also available online at www.gatewayIRWMP.org.



Ronald Bates

RRB:AC:RG:GD:lg

Enc.

- 1) Exhibit "A" - Resolution authorizing the adoption of the IRWMP
- 2) Exhibit "B" - The Gateway IRWM Region and Signatories to the GWMA Map
- 3) Exhibit "C" - Project Vicinity Map with Pico Rivera Projects

RESOLUTION NO. _____

**A RESOLUTION OF THE PICO RIVERA WATER AUTHORITY,
CALIFORNIA, AUTHORIZING THE ADOPTION OF THE GATEWAY
INTEGRATED REGIONAL WATER MANAGEMENT PLAN.**

WHEREAS, the Los Angeles Gateway Region Integrated Regional Water Management Joint Powers Authority (GWMA) is comprised of cities and other government agencies interested in maximizing opportunities to integrate water management activities such as water supply reliability, water quality, environmental stewardship, and flood management; and

WHEREAS, Proposition 84 provided funding for the IRWM planning grant used to develop the Gateway Integrated Regional Water Management Plan pursuant to the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Public Resource Code (PRC) Section 75001 et seq.); and

WHEREAS, the GWMA is a Regional Water Management Group recognized by the State of California Department of Water Resources; and

WHEREAS, the GWMA has developed the Gateway Integrated Regional Water Management Plan through an open, participatory, collaborative, public process; and

WHEREAS, the Pico Rivera Water Authority actively supports and is a member the GWMA; and

WHEREAS, the Pico Rivera Water Authority has been an active Stakeholder, contributor, and participant in the development of the Gateway Integrated Regional Water Management Plan;

NOW, THEREFORE, BE IT RESOLVED by the President and Commissioners of Pico Rivera Water Authority that it does hereby.

SECTION 1. Adopt the Gateway Integrated Regional Water Management Plan dated June 2013.

SECTION 2. The Secretary shall certify to the adoption of this resolution and hereafter the same shall be in full force and effect.

PASSED, APPROVED, AND ADOPTED this _____ day of _____, 2013.

Gustavo V. Camacho, President

ATTEST:

APPROVED AS TO FORM:

Anna M. Jerome, Secretary

Arnold M. Alvarez-Glasman, Authority Attorney

AYES:
NOES:
ABSENT:
ABSTAIN:

CITY OF PICO RIVERA

PROPOSITION 84 GRANT

VICINITY MAP



NOT TO SCALE

LEGEND:



CATCH BASINS THAT FLOW INTO THE SAN GABRIEL RIVER

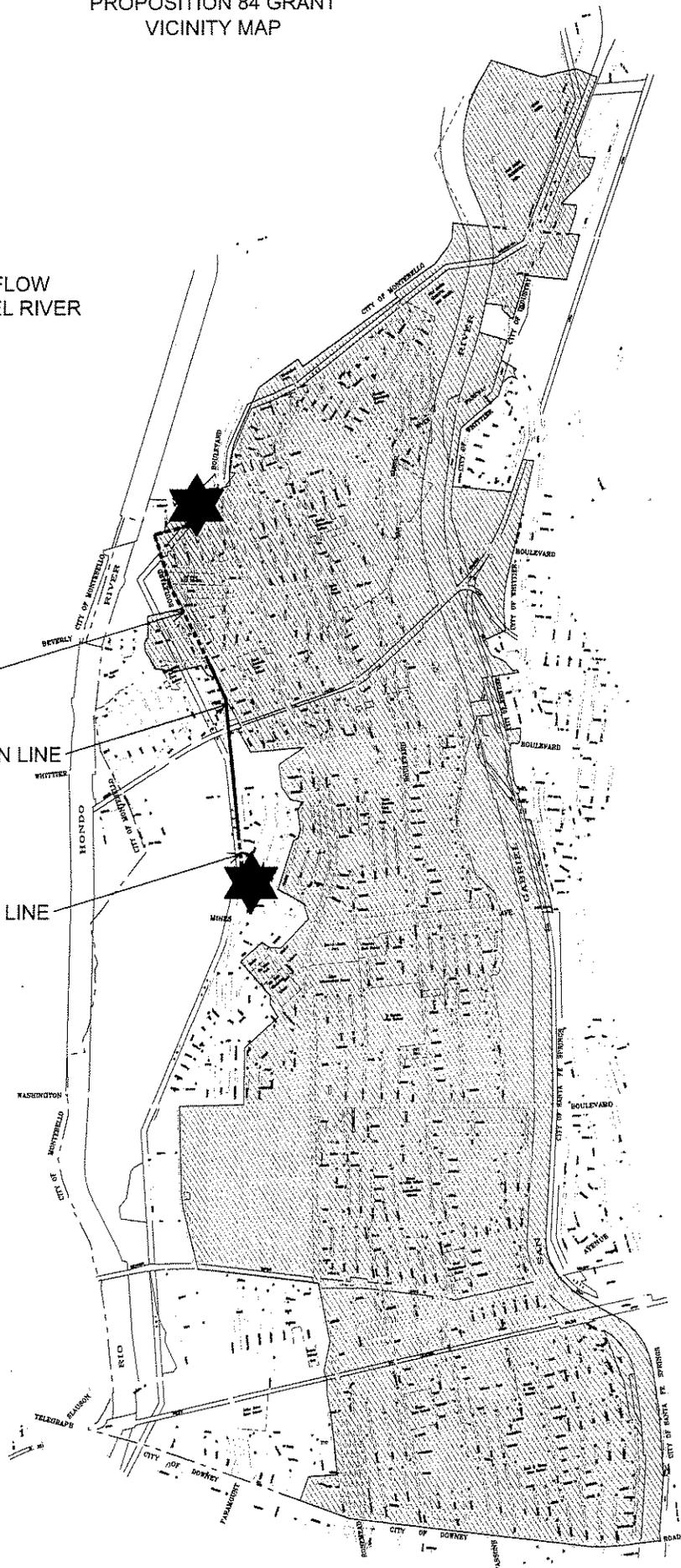


INTERTIE PROJECT

EXISTING 12" MAIN LINE

PROPOSED MAIN LINE

EXISTING 14" MAIN LINE





To: President and Commissioners
From: Executive Director
Meeting Date: July 23, 2013
Subject: RIO VISTA PARK (CIP 21224) AND SMITH PARK (CIP 21218)
MASTER PLAN PROJECTS — ACCEPTANCE OF PICO
WATER DISTRICT'S CONDITIONS OF APPROVAL

Recommendation:

- 1) Accept Conditions of Approval for the Rio Vista Park and Smith Park Renovation Projects documented in the letter dated July 10, 2013 (Enclosure 1) necessary to secure domestic water service; and
- 2) Appropriate \$195,000 to the Rio Vista Park (CIP No. 21224) Renovation Projects to fund the improvements required in the Conditions of Approval.

Fiscal Impact: \$195,000 (Water Funds)

Discussion:

Construction of the Rio Vista Park Renovation Project is underway, and nearing completion. As part of the project, the domestic, fire and irrigation water systems were reconstructed. The next step in the construction process is connecting these water facilities to the water distribution system, and this requires approval from Pico Water District (PWD) because the park is located in their service area.

The City requested project approval from PWD, the Los Angeles County Department of Public Health, and the County Fire Department early in the design process. The City received preliminary or final approval from all agencies except from PWD. Following several months of collaboration and negotiations, the PWD is ready to approve water service for the Rio Vista Park Renovation Project.

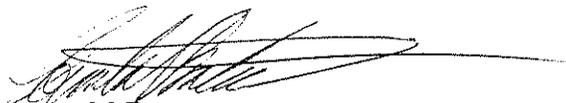
The Pico Rivera Water Authority must accept the Conditions of Approval contained in PWD's letter to the City Manager dated July 10, 2013 (see Enclosure 1) to secure project approval. These conditions represent collaboration between PWD and the City at various levels. Pico Rivera Water Authority approval is recommended since there is now a nexus between the Conditions of Approval and the Rio Vista Park Renovation Project.

Rio Vista Park Impacts: Currently, water service is provided to Rio Vista Park through a shared water meter that also services Rio Vista Elementary School. As part of the project, the park will be disconnected from the shared water meter. New services will be installed for the potable water system, the irrigation system, and the fire protection system which collectively represent the park's water demand.

In October 2012, PWD's performed a hydraulic study (Enclosure 2) to assess the adequacy of their 6-inch main in Coffman and Pico Road in meeting the park's water demand. The hydraulic study indicated that water demand can be met by the existing 6-inch main; however, the study found a minor exceedance of PWD's standard for water velocity during a fire flow event, and this concerned PWD. To mitigate this impact, PWD is requiring the Pico Rivera Water Authority to fund upsizing the water distribution mainline from a 6-inch to an 8-inch diameter pipeline from Maris Avenue to Noroco Drive.

Other noteworthy items in the Conditions of Approval include (1) a two-phase connection which allows the Pico Rivera Water Authority to connect to the existing 6-inch mainline while the 8-inch mainline is being constructed, (2) allowing the City to continue to use the existing meter connection to Rio Vista Elementary School until the new 8-inch main is completed, and (3) both agencies agreeing to work cooperatively to expedite the construction as the time is of the essence (See Enclosure 1 for the complete list). The engineer's estimate suggests the cost of the improvements in the Conditions of Approval is \$194,680.

Smith Park: As a part of the project, water connections will be installed on Rosemead Boulevard to serve the new fire hydrant and *water cannons* (the cooling system for the artificial turf field). The common industry standard is that the water purveyor construct the water connections (tee, gate valve and water lateral). The Conditions of Approval authorize the Pico Rivera Water Authority to construct the water lateral, and which will reduce the City's cost.


Ronald Bates

RRB:AC:RG:lg

Enc.

- 1) Condition of Approval, Pico Water District Letter Dated July 10, 2013
- 2) Hydraulic Study
- 3) Letter of May 29, 2013 to Pico Water District

OFFICERS
 VICTOR CABALLERO, PRESIDENT
 ADRIAN L. DIAZ, VICE PRESIDENT
 MARK J. GRAJEDA, GEN. MGR. / SECRETARY
 CAROL SEPULVEDA, TREASURER

Pico Water District

P.O. BOX 758 4843 CHURCH ST
 PICO RIVERA, CALIFORNIA 90660
 TEL: (562) 692-3756 FAX: (562) 695-5627
 www.picowaterdistrict.net

DIRECTORS
 VICTOR CABALLERO
 ADRIAN L. DIAZ
 DAVID R. GONZALES
 ANDREW C. LARA
 HENRIETTA C. SALAZAR

July 10, 2013

Mr. Ron Bates
 City Manager
 City of Pico Rivera
 6615 Passons Boulevard
 Pico Rivera, CA 90660

RECEIVED
JUL 12 2013

ADMINISTRATION

Subject: New Water Service Request Approval for the Rio Vista Park Project

Dear Mr. Bates:

On May 24, 2013, the Pico Water District (District) provided the City of Pico Rivera (City) with a letter which outlined all required conditions the City needed to meet in order to receive water service at both the Rio Vista and Smith Park Projects. On May 29, 2013, the District received a letter from the City with its response. On June 6, 2013, the District provided the City with a response to its May 29th letter, which stated that the District would need additional time to consider the alternatives set forth in the City's letter. On Friday, June 14th, we met in the District's offices along with Vice President Diaz to discuss the District requirements for providing water service for the City's Rio Vista Park Project (Project). At that meeting, you asked that we only consider the Rio Vista Park Project and not consider any other issues, and at your request that is what the District considered.

During our meeting, we discussed the requirements the District had placed on the City and the fact that the City had been unresponsive to the District's requests and requirements, such as the timely submittal of water demands for the Project, the need for the City to pay for a feasibility study to see what the impact its Project would have on the District's distribution system and existing customers. We discussed the fact that the City was unresponsive to our request for payment of the feasibility study and therefore the District took it upon itself to pay the cost of the feasibility study and have it performed. We discussed the fact that once the feasibility study was provided to the City, the City worked to provide documentation that challenged the feasibility study's outcome. After discussion of all of the issues with the Project, I proposed the specific conditions that the District would need from the City in order to provide water service to Rio Vista Park.

During the week of June the 22nd, I heard back from Vice President Diaz that you had met with City staff and explained to them our discussion, and that they were in agreement of your discussion with them. On June 27th, I provided a draft proposal to Vice President Diaz, which covered all of the issues we discussed at our meeting on June 14th. I am now in receipt of an email from Mr. Ron Bates, the City Manager for Pico Rivera which seems to be in agreement of

the District's proposal with one change. The change requested by Mr. Bates is to expand the language in bullet point number nine (9) to further include and allow the City to utilize the existing three-inch (3") meter to not only allow for planting purposes on a temporary basis, but to now allow this meter for full operational use (both domestic and irrigation purposes) until the new eight-inch main is installed and all new services requested by the City are connected to the new main. For clarity, as to why bullet point nine was originally written as the District submitted to only accommodate planting purposes on a temporary basis, this was to address an e-mail received from Mr. Rene Guerrero, Assistant City Engineer, in which he was requesting the use of the District's construction meter for hydro seeding of the Rio Vista Park playing field. The notice by Mr. Guerrero to use the District's construction meter for hydro-seeding was the only notice provided to the District by the City of its intentions to operate the new park through the use of the school district's three-inch meter.

Now, based on the City's request to the District to formalize the District's conditions for approval to provide water service to both the Rio Vista and Smith Park Projects, the following conditions must be affirmed and approved by the Pico Rivera City Council.

1. The City will pay all costs associated with the installation of 520 linear feet of eight-inch ductile iron pipe in Coffman Pico Road, from Maris Avenue to Noroco Drive, including the cost to make all necessary connections, as well as the cost for all paving including slurry seal if required (in accordance with the recommendation set forth in Tetra Tech Engineering's Rio Vista Park Analysis);
2. The District has provided the City with an engineer's estimate for the cost of all work required for this project, which the City will only be responsible for all actual costs the District incurs in connection with that work, including all engineering, design, construction, project management and administration;
3. The District will send out a Request For Proposals (RFPs) to a preferred list of bidders and award the contract to the lowest responsible bidder, taking into consideration how quickly the contractor can begin mobilizing on the project;
4. The City will provide the District with a letter requesting that the work be performed as outlined in this letter and provide a deposit to the District which represents 30% of the engineer's estimate attributable to the City's costs;
5. The City will also be required to pay for all costs associated with the request by the City for any new services to the Rio Vista Park;
6. The City will immediately, and prior to City Council approval, provide the District with its requirements for any paving needed to perform all work in Coffman Pico Road as it relates to this project;
7. The City shall be responsible for the slurry seal of an additional 100 linear feet should the City require any slurry seal on this project;

8. The District will allow the City to utilize the existing three-inch meter located at the southwest corner of Rio Vista Park until the new main and new requested services are operational on the following conditions: (a) that the City receives approval from the El Rancho Unified School District (school district) for the use of the school district' meter; (b) that the District receives a copy of this approval/agreement prior to the full use of that meter; (c) that the use of that meter by the City cannot negatively impact the school district's service from that meter; and (d) the District's approval is for a temporary period, to be used only until the new main and requested services to the park are operational. Once all work requested by the City is completed and the District has informed the City that all work is completed the City will immediately connect the school district's new irrigation meter to the school district's new irrigation line;
9. The District will provide to the City a proposal for the cost to temporality connect the new fire service for Rio Vista Park to the six-inch main in Coffman Pico Road, and the City will pay that cost proposal before the work is to begin. Once the new eight-inch main is installed the City will pay for the cost to connect the fire service to the new main and abandon the connection to the six-inch main ;
10. The City will pay to the District the cost to perform the feasibility study by Tetra Tech Engineering (the proposal was provided to the City in 2012), as well as all other engineering costs associated with the review of the work being performed at the Rio Vista Park Project;
11. As time is of the essence and this project is now being considered late in the year, the City will work cooperatively with the District and allow the District to work additional hours in the street or as needed to expedite the work and decrease the projects impact on the school and surrounding area;
12. Time is of the essence in this matter and the City shall expedite its response to these proposed terms.

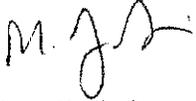
Regarding Smith Park:

1. As the City desires to have the work to install a new eight-inch main across Rosemead Boulevard, which will connect to the District's fourteen-inch main and provide both fire service and irrigation service to Smith Park performed by the City's general contractor, the District will allow the City's general contractor to perform the desired work under the following conditions: (a) that the pipeline contractor performing the work is approved by the District; (b) that all work performed is at the direction of the District and not the City, except for paving requirements; (c) that all work performed is inspected by the District's representative; (d) that all work performed is paid for by the City; (e) that should the District desire to install additional equipment, the District will provide such additional equipment to the City's contractor and the District will only be charged on a time and materials basis; and (f) that the District will not be responsible for any required paving, any required engineering costs, any required project management costs, and any required inspection costs incurred by the City;

In agreeing to the foregoing terms regarding the Rio Vista Park and Smith Park issues, the City also agrees not to legally challenge the District's imposition of the above-referenced water distribution system requirements concerning those projects, except in the event the District were to fail to perform its obligations in connection with those requirements.

Should you have any questions regarding this letter, please do not hesitate to call me to discuss.

Sincerely,



Mark Grajeda
General Manager

MJG/cs

cc: Mayor Gustavo Camacho
Councilman Gregory Salcido
Pico Water District Board of Directors
Jim Ciampa

**TETRA TECH****MEMORANDUM**

TO: Mark Grajeda
COPY:
FROM: Ken Berard
PROJECT TITLE: PWD Rio Vista Park Analysis
PROJECT NO: 135-26887-12001
SUBJECT: Distribution System Improvement Recommendations
DATE: 10/18/12

Background

Tetra Tech was retained by Pico Water District (PWD) to analyze the impacts to the distribution system for the proposed Rio Vista Park Improvement Project. The proposed improvements will include water sprinklers as well as other revisions affecting water demands. The estimated demand of the improved park has a peak flow of 170 gallon per minute (gpm) at one location and 100 gpm at two other locations. The project will also include a building, which has a projected peak water demand of 90 gpm and a fire flow requirement of 1,500 gpm. The project's water demands will increase peak flow in the distribution system.

Methods and Criteria

The calibrated PWD master plan H2OMap model was used to assist with the analysis. We analyzed the impact of project demands to the distribution system under critical system demand conditions, such as peak hour demands and maximum day demands plus fire flow. For this analysis, we assumed irrigation will occur during peak system demands and could also occur during maximum day system demands plus fire flow. We input water demands in the model and created new runs for the analyses.

The distribution system was analyzed for flow, pressure, and pipe velocity. We followed critical pressure and velocity criteria in section 2.8 of the PWD Water Master Plan, where a minimum service pressure of 40 pounds per square inch (psi) and a maximum distribution pipe velocity of 5 feet per second (fps) are specified under peak hour conditions. For Maximum day demands plus fire flow condition, the minimum residual pressure is 20 psi based on Fire Department requirements and the maximum velocity was limited to 8 fps to minimize pipeline scour and, more importantly, potential impacts of pressure surges.

Model Runs and Results

The following model runs were analyzed to determine how the existing system would be impacted by the project demands.

1. Peak hour system demands.
2. Maximum day system demands plus fire flow.

MEMORANDUM

10/5/12

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The run results indicated that under peak hour system demands, the pressure available at the project is about 55 psi and maximum flow velocity is less than 3 fps. Under maximum day plus fire flow demands, the system can provide the 1,500 gpm required fire flow with a residual pressure of about 42 psi. However, pipe velocity was found to be high at about 9 fps in the 6" AC pipe on Coffman and Pico Road from Maris Avenue to Noroco Drive.

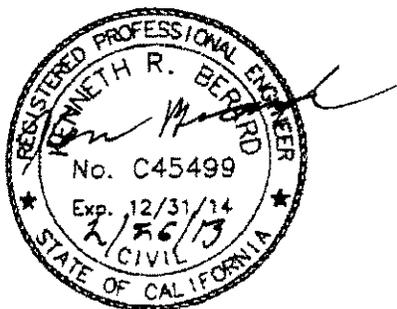
Conclusions

The model run results show that the existing system cannot meet the criteria with the proposed park improvements. The problem with the increased demand is that they create high velocities in the existing Coffman and Pico Rd. 6" pipe during fire flow. Trial model runs were performed to determine the improvement pipe size required in order to limit velocities to 8 fps, and the results indicated that upsizing to 8" is required.

Section 4.4.1 of the PWD Water Master Plan requires replacement of small diameter cast iron mains due to age and high velocities, which affect potential system surges and may also reduce system pressures and available fire flow. Based on this requirement, we suggest that the existing 6" and 4" asbestos cement and cast iron pipes on Coffman and Pico Road from Noroco Drive to Rosemead Boulevard be replaced with an 8" pipe. This replacement will also allow the removal/abandonment of asbestos cements pipes, which are a material no longer used in the water industry.

Recommendations

We recommend replacement of 520 feet of 6-inch AC pipe with 8-inch pipe on Coffman and Pico Rd. between Maris Avenue to Noroco Drive due to high pipeline velocities. We also suggest that 1,585 feet of 4-inch and 6-inch pipe be replaced with 8-inch pipe in Coffman and Pico Rd. between Noroco Drive and Rosemead Boulevard. In addition to removing old, small diameter water main, this suggestion also provides for the elimination of asbestos cement pipe, which is a material no longer used for new pipe installations. See Exhibit 1 for the recommended improvements in details.





City of Pico Rivera
PUBLIC WORKS DEPARTMENT

6615 Passons Boulevard · Pico Rivera, California 90660

(562) 801-4421

Web: www.pico-rivera.org · e-mail: lgaray@pico-rivera.org

City Council

Gustavo V. Camacho

Mayor

Brent A. Tercero

Mayor Pro Tem

Bob J. Archuleta

Councilmember

David W. Armenta

Councilmember

Gregory Salcido

Councilmember

Arturo Cervantes, P.E.
Director of Public Works/City Engineer

May 29, 2013

Mark Grajeda, General Manager
Pico Water District
4843 Church Street
PO Box 758
Pico Rivera, CA 90660

SUBJECT: NEW WATER SERVICE REQUEST APPROVAL FOR THE RIO VISTA PARK PROJECT

Dear Mr. Grajeda:

I'm in receipt of your letter dated May 24, 2013 which contains (1) a recap of the City's proposal, (2) the history of the District's evolving requirements, and (3) the District's final requirements for the Rio Vista Park Renovation Project.

To preface this response, the City and District have been in discussions with a focus on avoiding agency requirements that are nonessential or unnecessary. Much in the way of progress has been made towards gaining a mutual understanding of our respective agency's goals and objectives, and I am appreciative of that. In that regard, in your email dated March 26, 2013 (attached) you confirmed that "if an agency wants additional work performed that benefits the agency and is not needed by the project then the agency picks up the additional cost." Here you acknowledge that *additional work* required by an agency for its benefit must be funded by the agency. You also recognize that such additional work is not needed for a project; therefore, it cannot be a mitigation measure or project requirement.

City's Proposal for Mitigating Project Impacts – As a condition of approval, the District prepared a hydraulic study to analyze the impacts of the Rio Vista Park Renovation Project. The mitigation measure recommended in the hydraulic study is an 8-inch mainline between Maris Avenue and Noroco Drive for the sole purpose of mitigating the impact of the project's proposed fire hydrant (high pipe velocity during a fire flow event). The District's hydraulic study also suggests installing an 8-inch mainline (1,585 feet in length) to satisfy the District's Water Master Plan in a segment of the District's water system not impacted by the project. This suggestion is for the benefit of the District, and is not needed for the project so the study does not identify the added improvement as a project mitigation measure.

The City's proposal put forth a mitigation measure that meets the recommendations of the hydraulic study. While the City believes the impact of the fire hydrant is negligible, as well as that installing an 8-inch mainline is an unwarranted mitigation measure and unnecessary expenditure of public funds, the City offered its proposal to bring closure to the ongoing issues. The City's proposal was to install an 8-inch water mainline between Maris Avenue and the proposed fire hydrant (a distance of approximately 450 feet, not 600 feet as you stated in your letter), and that the work be completed in June 2013 in conjunction with project completion. This proposal was made because it mitigates the negligible impact of the fire hydrant with a proper mitigation measure.

The City's Proposal should be supported by the District because it satisfies the recommendations of the hydraulic study prepared specifically for the project by Tetra Tech, dated October 18, 2012 (District Study), the District's engineer. For some unknown reason, the District has rejected the City's Proposal and has issued requirements that disregard the recommendations of the District Study.

History on District Requirements – I'm in agreement that project requirements should be in the form of mitigation measures. I'm also in agreement that requirements should not consist of additional work that benefits the agency because it is not needed for the project (Additional Work for District Benefit). Since at least October 18, 2012, the District has had all the information necessary to properly condition the Rio Vista Park Renovation Project with mitigation measures. In addition, the District has had all the information it was seeking in its letter to the City Manager dated July 10, 2012 which you reference. The City did not submit any new project information which you believe to have received in April 2013.

The District has revised its requirements several times; the City could not concur with any version of the requirements. The primary reasons, the District has issued requirements that are either (1) not mitigation measures, or (2) exceed mitigation measures necessary to mitigate the negligible impacts of the project, or (3) disregard the recommendations of the District Study. See Attachment "A" for a full history of the District requirements.

It is clear from this history that the City has made every attempt to work with the District to bring to its attention the same issues that are plaguing District requirements. It is also clear that the City is not ignoring the District's authority, as you claim in your letter, to place requirements on new projects that impact the District's distribution and supply system. The City was simply not concurring with the District's requirements since they either exceed, or disregard mitigation measures identified in the hydraulic study.

District's Final Requirements for the Rio Vista Park Renovation Project - Despite the history, the District has issued new requirements with the same issues. In fact, this version requires the City to provide the District a tree cutting policy before the agreement to perform the Rio Vista Park Project work is signed off. This policy has no nexus to the project. Such non project related requirement is yet another example of how the District continues to delay providing water service to the project.

The District has expressed significant concerns over the negligible impacts of the proposed fire hydrant; so much so that the District is requiring the City to install an 8-inch water mainline. If the justification for the 8-inch mainline is mitigation of the negligible impact of the fire hydrant, then I don't understand why the District is issuing final requirements that will not mitigate that impact. I also don't

understand why the final requirements disregard the recommended mitigation measure of the District Study.

Per your letter, the District's final requirements are to install an 8-inch water mainline along the park's 620-foot frontage. As stated above, the City previously opposed this requirement because it is not a mitigation measure identified in the District's Study, the negligible impacts of the fire hydrant cannot be mitigated by installing an 8-inch mainline along the park frontage. According to the District Study, the mitigation measure is installing an 8-inch mainline between Maris Avenue and Noroco Drive, which is 520 feet in length.

In regards to the engineering estimate, to be consistent with your final requirements the cost to the City must be based on the cost of the work required for the project. This is currently not the case since the \$194,680 estimate includes additional work benefiting the District and not needed for project. Further, your estimate is overly conservative.

Final City Position – Respectfully, I am concerned that District requirements disregard the recommendations of the District Study. I'm also concerned with the District's practice of placing requirements on the project that are not mitigation measures, or that do not have a nexus to the project. Such actions by the District have prevented the City from concurring with District requirements and are delaying providing water service to the project.

In an effort to put forth a solution to move forward, the City respectfully offers the District three alternatives as the City's final position.

Alternative No. 1 – The City does not agree to the District's final requirements. The requirement to install an 8-inch mainline along the park frontage is not a mitigation measure because it will not mitigate the negligible impacts of the fire hydrant. This requirement does not have a nexus to the project and is therefore a requirements for Additional Work for District Benefit. While the impact of the fire hydrant is negligible and does not warrant unreasonable requirements, the City agrees to fund installation of an 8-inch water main as outlined in Page No. 1 of the District's letter; however, with the following corrections/additions:

- Consistent with the recommendations of the District Study, the 8-inch mainline is to be installed between Maris Avenue and the fire hydrant's point of connection, which is a length of 450 feet and not 600 feet as specified by the District. The preliminary engineering estimate for this work is \$94,910 including engineering and inspection and the City will pay the cost at the completion of the project, in June 2013;
- The District to provide water service to the park in June 2013 at no additional cost to the City;
- Any requirement for Additional Work for District Benefit shall be paid for by the District; and
- City to construct the Rosemead Boulevard water lateral as specified by the District.

Alternative No. 2 - The City is offering to the District a \$94,910 contribution as its fair share towards any improvements the District desires to make in connection with the project. Under this alternative, the City to construct the Rosemead Boulevard water lateral as specified by the District.

Alternative No. 3 - The City has no choice but to accept the District's requirements 'under protest and to pay for the work involved in installing an 8-inch line along the park frontage. The City hereby reserves all its rights to seek a legal remedy at the conclusion of the project. Also, the District to provide water service to the park in June 2013 at no additional cost to the City. Further, construction of the 8-inch mainline to be completed within 90 days from the date of this letter.

In closing, the City respectfully requests that the District proceed with its project immediately as it may do so under any of the alternatives it selects from above. As you've known for several months now, the City is scheduled to complete construction at Rio Vista Park late June 2013. The City hopes that the District will be ready to provide water service to the park, without the need for a second connection.

Please contact me if you have any questions.

Respectfully,



Arturo Cervantes, P.E.
Director of Public Works/City Engineer

AC:lg

cc: Victor Caballero, President of Pico Water District Board of Directors
City Manager
City Attorney's Office
Jim Ciampa, PWD Attorney

Attachments:

- 1) Attachment "A" - History of District Requirements
- 2) Email from Mark Grajeda Dated 3/26/13
- 3) City's Engineering Estimate

Attachment "A"

RIO VISTA PARK RENOVATION PROJECT HISTORY OF DISTRICT REQUIREMENTS

Prior to preparing the District's Study, the District required installing an 8-inch mainline from Maris Avenue to Rosemead Boulevard to meet the increase in water demands from the proposed park project. The City opposed this requirement because (1) the impact of the park project was a reduction in water demand, (2) the project would lead to freeing up capacity in the District's water distribution system, (3) the requirement did not have technical merit because it was not based on a technical study. After its completion, the District Study supported the City's position. The study recommended that the 8-inch line be installed between Maris Avenue and Noroco Drive, and not within the District's required limits, to mitigate the negligible impacts of the project.

On January 15, 2013 (three months after the District Study was completed), the District revised its requirements. The new requirement was installing an 8-inch water mainline from Maris Avenue to the southern end of Rio Vista Elementary school parcel. The basis for this requirement was that pipe line velocities were an issue during a fire flow event. The City did not concur with this requirement because the resulting pipeline velocity (9 fps) in a very rare fire flow event (1) was a negligible issue since the pipeline velocity met industry standards, and (2) did not warrant draconian requirements. The City's position was again supported by the District Study which does not recommend installing an 8-inch water mainline between the stated limits as a mitigation measure.

Subsequently, the District changed its requirements a third time. The new requirement was that the City install an 8-inch mainline along the entire property frontage inclusive of the school and park frontage. Subsequently, the District changed their requirements a fourth time by reducing the limits to along the Rio Vista Park frontage only. The City did not concur with either proposal because they disregarded the recommendation of the District Study. Also, because neither proposal is a mitigation measure, the negligible impacts from the fire hydrant would not be mitigated by installing an 8-inch water mainline within the stated limits. The City's position was again supported by the District Study because it does not recommend installing an 8-inch water mainline between the stated limits. Instead, the study recommends installing an 8-inch mainline between Maris Avenue and Noroco Drive.