

APPENDIX G

Utility Response Correspondence

Rincon Del Diablo Municipal Water District, February 28, 2011

Vallecitos Water District, February 28, 2011

SDG&E, March 2, 2011

From: Randy Whitmann <rwhitmann@rinconwater.org>
To: <Jpetrek@ci.escondido.ca.us>
Date: 2/28/2011 9:23 AM
Subject: Escondido General Plan Update - Rincon Water Service Information
Attachments: Escondido GP Update Figure.pdf; Water Questions.pdf

Jay,

Attached are Rincon's responses to the water service information / questions requested in your letter dated February 2, 2011. Please let me know if you need anything else.

Randy Whitmann
Senior Engineer
Rincon del Diablo MWD
760-745-5522

Item 1 and 2 - see attached figure showing Rincon's service boundaries along with the City's General Plan Boundary and Land Use Study Areas. Also shown are Rincon's water facilities including sources of water, pipelines, pump stations, and reservoirs.

Items 2, 4, 5, and 6 - In regards to Rincon's existing infrastructure, supply, and the capacity to meet buildout, we are currently updating our Water Master Plan which will answer these questions along with the associated facility requirements. The proposed land use changes will be incorporated in our update and we do not see a problem serving the projects with our existing entitlements and resources. Fire flow analyses will also be conducted as part of the Master Plan Update.

Item 3 - the following two projects have been identified or are being designed near two land use study areas: 1) EL-5 - Rincon has identified a need for a new pipeline in Citracado Parkway to support simultaneous fire flows in the ERTC area, 2) EL-6 - the Johnston Road Pipeline is currently under design which will increase supply reliability to the southern portion of the District. It is likely both projects will have adequate capacity to serve buildout of the General Plan Update, but this will be confirmed by our Master Plan Update.

Item 7 - Rincon has a Drought Ordinance that affects general development within the District. Our Stage Level Drought Alerts follow those set by the SDCWA and MWD. At Stage 2 (which we are currently in) or higher, Will Serve letters are not issued for residential subdivisions or commercial/industrial projects. On a case by case basis, the District will consider a project if their demands can be offset so a no net increase is achieved.

March 29, 2011

ESCONDIDO GENERAL PLAN UPDATE WATER SERVICE

Questionnaire response:

1. The service boundary is available through GIS.
2. The City of Escondido has approximately 440 miles of pipe, 10 water reservoirs, and 4 pump stations within the water distribution system. The water system also operates 2 dams and associated lakes and a water treatment plant with clear well. The existing pipes range in age from new to over 100 years old, where the reservoirs are up to 62 years old and the treatment plant is 35 years old. The treatment plant is currently seeking a rerating from 75 MGD to 90 MGD. As pipes and reservoirs are upgraded or replaced they are sized based on potential future land use and flow projections.
3. The City of Escondido is currently in the process of updating the Water Distribution Master Plan. The Master Plan is updated approximately every 10 years which includes updating and calibrating the system model. The Master Plan considers existing and proposed land use as well as growth projections to evaluate elemental and system adequacy to provide service. Unit demand rates are also established to provide a guideline for planning and design purposes to properly size infrastructure. Where deficiencies are determined, projects are recommended and priorities are established. The question of long term water supply is a regional issue not an individual agency issue as state water supplies are further restricted. Our long term plan is to find ways to offset and or supplement water supply which includes maximizing our use of local water, increasing the distribution and use of recycled water and ultimately implement indirect potable reuse.
4. A large percentage of the existing water infrastructure was designed and constructed prior to the existing General Plan and did not anticipate the SANDAG projections being used for the current General Plan Update. The Master Plan will prioritize projects and areas of concern. Although the priorities are subject to change CIP projects within available budget constraints are implemented to stay ahead of the critical demands. Due to changes in land use developers of significant developments may be required to participate in offsite infrastructure upgrades due to increased flow requirements.
5. Long term water supply is a regional issue not an individual agency issue. As state water supplies are further restricted it is beyond the control of the Escondido Utilities Department. Escondido Utilities is always looking for and open to new sources for affordable water supply. Our long term plan is to find ways to offset and or supplement water supply which includes maximizing our use of local water, increasing the distribution and use of recycled water and ultimately implement indirect potable reuse.

6. As pipes and reservoirs are upgraded or replaced they are sized based on potential future land use and flow projections. These flow projections include development needs for water service as well as fire protection requirements.
7. Developers of significant developments may be required to participate in offsite infrastructure upgrades due to increased flow requirements. Projects will be required to comply with approved design standards. Said design standards are updated regularly to stay current with industry needs and practices.



February 2, 2011

Rincon Del Diablo Municipal Water District
1920 North Iris Lane
Escondido, CA 92026

SUBJECT: WATER SERVICE FOR THE PROPOSED CITY OF ESCONDIDO GENERAL PLAN UPDATE (City Case #09-0020)

Dear Rincon Del Diablo Municipal Water District:

I am contacting you regarding water supply, capacity and infrastructure information to be used in the Environmental Impact Report (EIR) for the City of Escondido General Plan Update. This EIR is being prepared by the City of Escondido. I have attached a copy of the Notice of Preparation (NOP), which provides the project location, description, and an overview of the issues to be addressed in the EIR. I am contacting you because the General Plan Update planning area boundary extends beyond the City of Escondido's city limits and beyond the City of Escondido's Sphere of Influence. We have identified your agency as a potential service provider to these areas. The General Plan Update planning area boundary is identified in Attachment 1 of the enclosed NOP.

The General Plan Update will include an updated vision to the City's existing General Plan, with goals, objectives, and policies anticipating a 2050 buildout reflecting the current needs and preferences of the community, and ensuring compliance with state law. Escondido's fair share of regional growth is anticipated to be between 3,000 and 4,500 dwelling units above the current General Plan generating approximately 9,500 – 14,250 additional persons. The EIR will also include analysis of a Climate Action Plan for developing / implementing energy efficiency and conservation strategies to reduce fossil fuel emissions created as a result of transportation, building, and other appropriate sectors allowed by the General Plan Update.

Preparation of the EIR requires a clear and documented understanding of the level of service provided by various organizations and agencies. It is our understanding that your agency would serve some areas within the proposed General Plan Update planning area boundary; therefore, please provide the following information regarding the ability of the Rincon Del Diablo Municipal Water District (RDDMWD) to provide water service to the General Plan Update planning area.

1. Please identify RDDMWD's service boundaries and whether these boundaries include locations within the General Plan Update planning area boundary, as shown in Attachment 1 of the NOP.
2. Please provide a summary of the existing water infrastructure in the service area, including pipelines, pump stations, and reservoirs. Is the existing infrastructure sized adequately to serve buildout (year 2050) of the proposed General Plan Update?
3. Please identify any plans that RDDMWD may have to upgrade existing water infrastructure or provide new water infrastructure in the project area. Would the expansion and/or development

of the new facilities have adequate capacity to serve buildout (year 2050) of the proposed General Plan Update?

4. What infrastructure improvements, if any, will the RDDMWD have to make to serve buildout of the proposed General Plan Update? Please be specific.
5. Does the RDDMWD have sufficient water supplies available to serve the project from existing entitlements and resources, or will new or expanded entitlements need to be obtained?
6. Will the General Plan Update planning area be served with adequate water capacity to meet fire flow requirements?
7. What are the relevant plans or policies that the project would have to comply with related to water?

Thank you for taking the time to address these questions. Please submit your responses by March 1, 2011 to my attention: Jay Petrek, City of Escondido Planning Division, 201 N. Broadway, Escondido, CA 92025. If you prefer, feel free to respond via email (jpetrek@escondido.org). Should you have any questions concerning this letter or require additional project information, please do not hesitate to give me a call at 760-839-4556.

Sincerely,



Jay Petrek AICP
Principal Planner
City of Escondido Planning Division

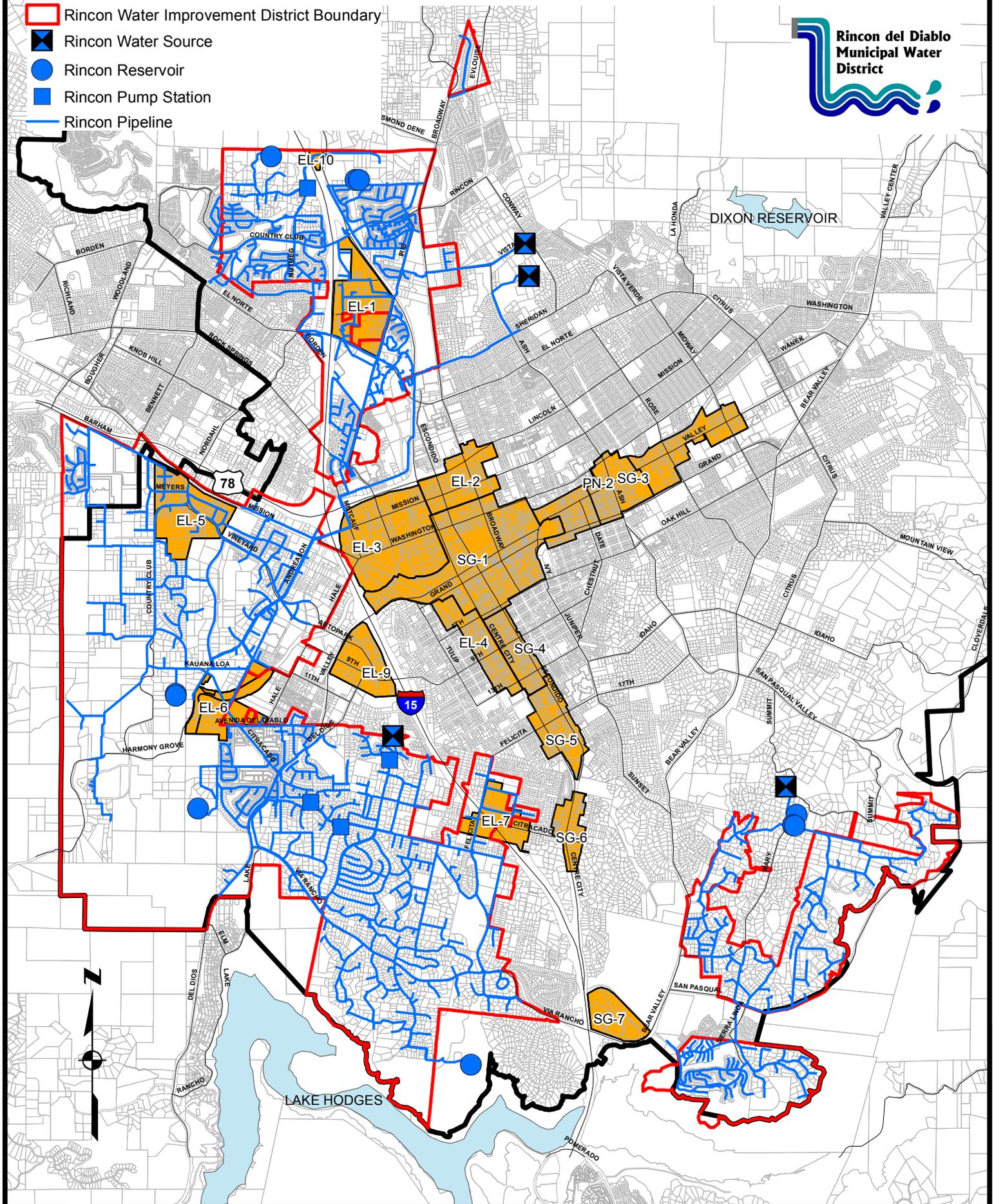
Enclosure: (1) Notice of Preparation

RINCON WATER IMPROVEMENT DISTRICT MAP FOR ESCONDIDO GENERAL PLAN UPDATE EIR



LEGEND

- City General Plan Boundary
- City Land Use Study Area
- Rincon Water Improvement District Boundary
- Rincon Water Source
- Rincon Reservoir
- Rincon Pump Station
- Rincon Pipeline





VALLECITOS WATER DISTRICT

A PUBLIC AGENCY

201 Vallecitos de Oro • San Marcos, California • 92069-1453 Telephone (760) 744-0460

February 28, 2011

Mr. Jay Petrek, Principal Planner
City of Escondido Planning Division
201 N. Broadway
Escondido, CA 92025



**SUBJECT: SEWER AND WATER SERVICE FOR THE PROPOSED CITY OF ESCONDIDO GENERAL PLAN UPDATE (GP update)
(CITY CASE #09-0020)**

Included below and attached is information requested in your letters dated February 2, 2011, and February 8, 2011. At this time, the District is currently in the process of completing our 2008 Master Plan Update. It is expected to be approved in June or July of this year. Included in our responses are those facilities proposed in the new Master Plan up to the year 2030.

SEWER

Question 1- Attached is an overlay of the sewer District which falls within the boundaries of the City of Escondido GP update area.

Question 2- Wastewater generated from the subject area is treated at both the Encina Wastewater Authority (EWA) and the Meadowlark Water Reclamation Facility (MWRF). At this time the District's capacity at EWA is 10.5 MGD solids and 7.5 MGD liquids. MWRF has a maximum capacity of 5 MGD.

Question 3- The existing infrastructure in the GP update planning area is not sized adequately to serve buildout (year 2050).

Question 4- Attached is a plat map and list identifying new facilities proposed in the District's 2008 Master Plan that are within the GP update area. These planned facilities are only to the year 2030.

Question 5- Any projects with the District and within the GP update area would need to be submitted to the District for review. At that time the District would require a sewer study for the project area and would determine any facilities or upgrades required.

Question 6- The attached list outlines Capital Facility projects within the GP update area that are proposed. The District also is also proposing to upgrade an existing sewer lift station on Montiel Road that is within the GP update area. This lift station is currently undersized for the area which primarily includes flows from the City of Escondido.

WATER

Question 1- Attached is an overlay of the water District which falls within the boundaries of the City of Escondido GP update area.

Question 2- Attached is plat map that identifies the existing water facilities 12-inch and greater in the GP update area. The remainder water lines are generally 8-inch to 10-inch. Also included is a plat map and list that identifies facilities proposed in the District's 2008 Master Plan. The facilities identified are only up the year 2030 and not to ultimate buildout (2050).

Question 3- Any projects proposed in the 2008 Master Plan are identified on the attached list and plat map. These proposed facilities do not have capacity identified to buildout (2050) but are only proposed to the year 2030.

Question 4- The District cannot identify infrastructure improvements required to serve buildout of the proposed GP update at this time. Separate water studies of the areas would be required. Generally any project proposed within the District service area requires a water and/or sewer study prior to development.

Question 5- The District would need to do separate water studies to identify water supplies available to serve the project from existing entitlements and resources or newly expanded entitlements. As mentioned above generally any project proposed within the District service area requires a water and/or sewer study prior to development. Those projects that exceed the limits of SB 610 and SB 221 also require Water Supply Assessments.

Question 6- A separate water study would be required to identify if there is adequate water capacity to meet flow requirements within the GP update area.

Question 7- The District would require water studies and a hydraulic analysis for each project submitted to the District and within the boundaries of the District to determine sizing and any impacts to existing facilities. As mentioned above, if the project exceeds the limits of SB 610 and SB 221 a Water Supply Assessment would also be required. The District's proposed 2008 Master Plan only identifies water projects based on current land use data that was requested and provided (by the City of Escondido) to the District to use in the 2008 Master Plan update. If the GP update is completed and approved prior to the next Master Plan update then the updated data will be utilized in the next

Mr. Jay Petrek
City of Escondido GP update
February 28, 2011
Page 3

Master Plan. Projects approved in the GP update but not identified in the 2008 MP will require separate water and sewer studies.

The District's goal is to update the Master Plan every 5 years. Those projects that may come along after the GP update is completed will require water and sewer studies to determine the impact on existing facilities and facilities needed.

I hope the information provided is helpful. If you need any additional information please feel free to give me a call at the District.

Sincerely,

VALLECITOS WATER DISTRICT


Cheryl Brandstrom
Engineering Supervisor

Cc: Ken Gerdes, District Engineer
James Gumpel, PE

Sewer Projects

Madrid Manor Sewer Pipeline Replacement Project

Replace approximately 650 feet of existing 8-inch pipeline with new 10-inch diameter pipeline in El Notre Parkway between Rosemary Ct and Country Club Ln.

Rock Springs Road East Sewer Pipeline Replacement Project

Replace approximately 800 feet of existing 8-inch pipeline with new 12-inch diameter pipeline in Rock Springs Road from Bennett Avenue east to Rock Springs Hollow.

Water Projects

Deer Springs Water Pipeline Replacment

Replace approximately 8,500 feet of existing 10-inch pipeline with new 12-inch diameter pipeline in Deer Springs Road and VWD easements from the Deer Springs Pump Station to the Deer Springs Tank.

1235 Zone Water Pipeline Replacement

Replace approximately 7,900 feet of existing 8-inch and 10-inch pipeline with new 10-inch diameter pipeline in VWD easements from the 1235 Deer Springs Reservoir south to the limits of the 1235 Pressure Zone.

1625 Zone/1567 Zone Water Pipeline

Construct approximately 2,800 feet of 12-inch pipeline to connect the 1625 High Point Zone to the 1567 Wulff Zone from Woodland Heights Glen north to Rancho Luiseno Road. This pipeline will provide an auxiliary feed from the 1625 High Point Zone to the 1567 Wulff Zone and will include a pressure reducing valve to the 1567 Wulff Zone's hydraulic grade line.

Deer Springs Water Pipeline Replacment

Replace approximately 1,300 feet of existing 8-inch pipeline with new 10-inch diameter pipeline in Rock Springs Road between Bennett Avenue and Rees Road.

Wulff Tank #2

Demolish the existing 0.10-million-gallon Wulff Tank and construct the new 0.35-million-gallon Wulff Tank #2 at the same location.

Deer Springs Tank #2

Demolish the existing 0.57-million-gallon Deer Springs Tank and construct the new 1.00-million-gallon Deer Springs Tank #2 at the same location.

Palos Vista Tank Expansion

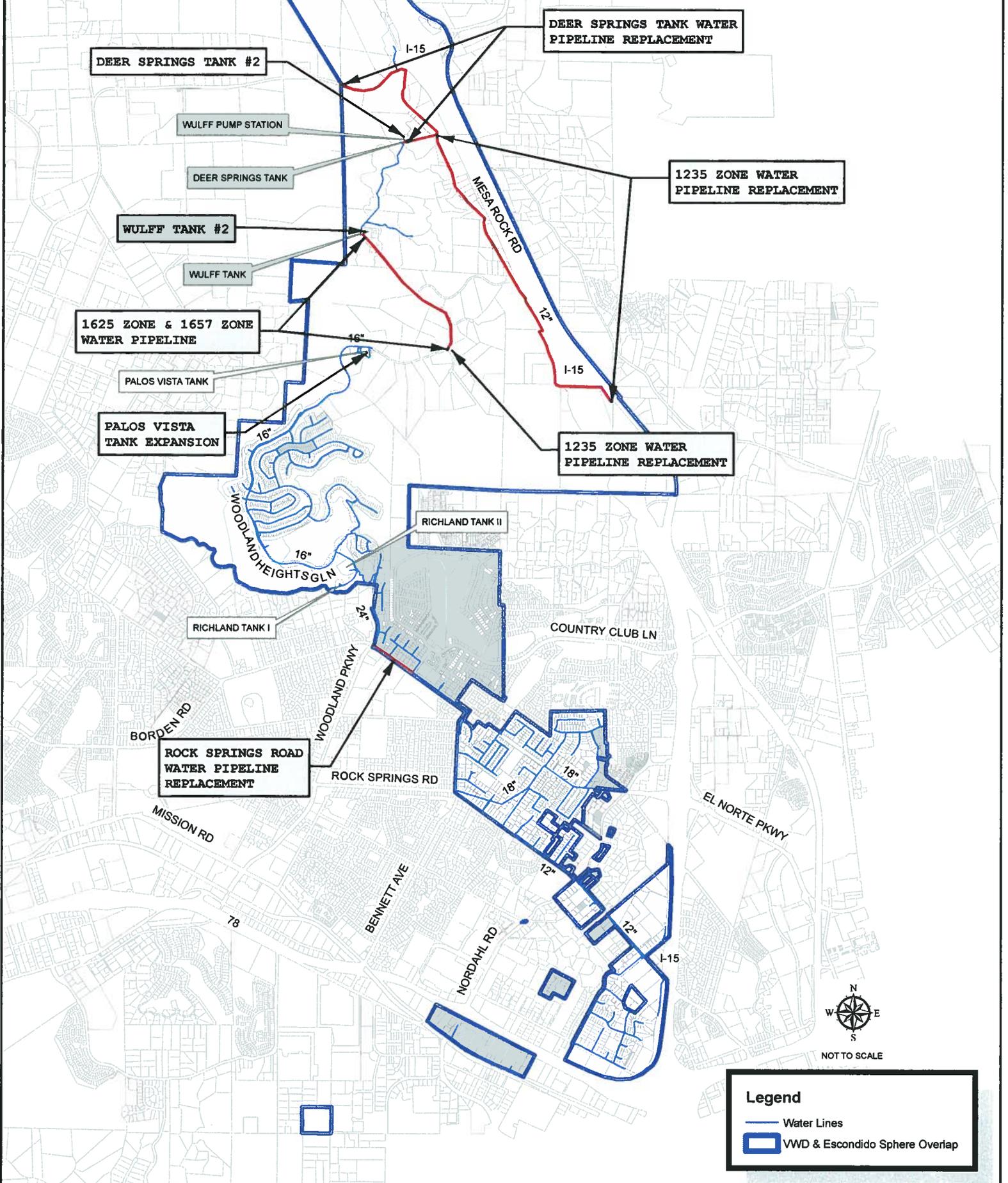
Refurbish and expand the capacity at the existing Palos Vista Tank by 0.52 million gallons.

High Point Hydropneumatic Pump Station

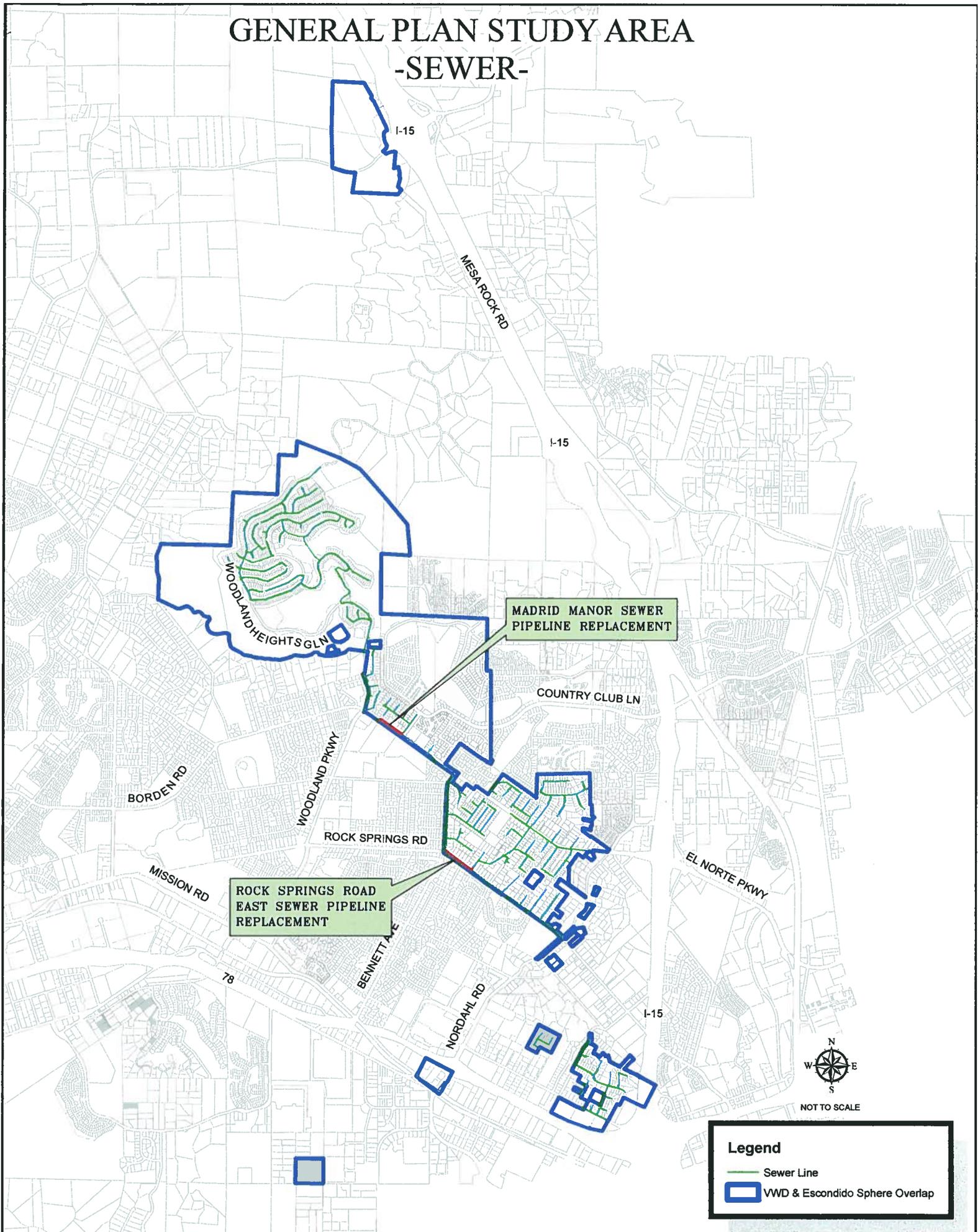
Construct a new hydropneumatic pump station in the 1500 Palos Vista Zone to serve the properties being improved as part of the High Point development that cannot be served by the 1500 Palos Vista Zone.

GENERAL PLAN STUDY AREA

-WATER-



GENERAL PLAN STUDY AREA -SEWER-



Legend

- Sewer Line
- VWD & Escondido Sphere Overlap

March 29, 2011

**ESCONDIDO GENERAL PLAN UPDATE
SEWER SERVICE**

Questionnaire response:

1. The service boundary is available through GIS.
2. All wastewater is treated at the Hale Avenue Resource Recovery Facility (HARRF). The Hale Avenue Facility has a treatment capacity of 18 MGD with a land outfall maximum flow of 20.1 MGD. Currently average inflow to the facility is approximately 13.0 MGD.
3. The City of Escondido has over 300 miles of pipe within the wastewater collection system. The existing pipes range in age from new to over 80 years old. As pipes are upgraded or replaced they are sized based on potential future land use and flow projections.
4. The City of Escondido is currently in the process of updating the Wastewater Collections Master Plan. The Master Plan is updated approximately every 10 years which includes updating and calibrating system model. The Master Plan considers existing and proposed land use as well as growth projections to evaluate elemental and system adequacy to provide service. Unit generation rates are also established to provide a guideline for planning and design purposes to properly size infrastructure. Where deficiencies are determined, projects are recommended and priorities are established. The long term plan to free up outfall capacity is to increase the distribution and use of recycled water and ultimately implement indirect potable reuse.
5. A large percentage of the existing wastewater infrastructure was designed and constructed prior to the existing General Plan and did not anticipate the SANDAG projections being used for the current General Plan Update. The Master Plan will prioritize projects and areas of concern. Although the priorities are subject to change CIP projects within available budget constraints are implemented to stay ahead of the critical demands. Due to changes in land use developers of significant developments may be required to participate in offsite infrastructure upgrades due to increased flow generation.



San Diego Gas & Electric
8315 Century Park Court
San Diego, CA 92123-1548

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March 2, 2011

Mr. Jay Petrek AICP
Principal Planner
City of Escondido Planning Division
201 N Broadway
Escondido, Calif 92025

Subject: Response to February 2, 2011 letter regarding Electrical Service for the Proposed City of Escondido General Plan Update (City Case #PHG 09-0020)

Dear Mr. Petrek,

Here are responses to the data requests identified in your letter.

1. Please identify the SDG&E service area boundary and if the General Plan Update planning area is located within this service area.

SDG&E serves San Diego and southern Orange Counties. Escondido's General Plan Update planning area is located within SDG&E service territory.

2. Please summarize the electric facilities that would serve the General Plan Update planning area. Are these facilities operating near to their capacity?

Escondido is served primarily from these electric substations that are located in Escondido: Ash Substation, Escondido Substation, Felicita Substation, Esco Substation, Olivenhain Substation and the Palomar Energy Center. Not all facilities are operating near their capacity.

3. Please identify any plans that SDG&E may have to expand its electric facilities that serve the General Plan Update planning area.

There is a plan to upgrade one existing substation based on existing capacity needs unrelated to any growth specified in the General Plan Update planning area.

4. Please identify any improvements that would be required in order to provide service to the General Plan Update planning area in the future.

Based on the Land Use Matrix1 spreadsheet preferred option sent on 2/28/2011, SDG&E will expand existing facilities to serve a portion of the new load; however, two additional substations would need to be added to completely serve all the new load. Other infrastructure such as trenching, conduit, cable, poles, substructures, and equipment would normally need to be installed as General Plan Update growth occurs.



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5. Please indicate whether SDG&E has adequate capacity to serve the General Plan Update planning area from existing electric facilities or would new or physically altered facilities need to be developed to serve the planning area.

SDG&E does not have adequate capacity to serve the General Plan Update planning area per the Land Use Matrix1 spreadsheet, Preferred Option. New facilities would need to be added as described in question 4.

Thank you,

A handwritten signature in blue ink, appearing to read "Maria Zumaya".

Maria Zumaya
Project Management Supervisor
San Diego Gas & Electric
8315 Century Park Ct
San Diego, Calif 92123

cc. Rick Gardner, SDG&E
cc. Jose Carranza, SDG&E
cc. Byron Shovlain, SDG&E
cc. Grant Frost, SDG&E