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San Ramon

DATE: April 4, 2018

TO: Scott Molloy, Senior Project Manager, Newland Communities

FROM: Robert Chase, Senior Engineer, Fuscoe Engineering

RE: Newland Sierra Project, Existing and Planned Infrastructure and Services in Project Vicinity Figure

Please see the attached figure showing existing and planned infrastructure within the vicinity of the Newland Sierra Project Site. The attached Figure was for the Project Description section of the Final EIR and was prepared in response to comments on the Draft EIR. Significant utility, road, and highway infrastructure either exists or is planned within the vicinity of the project site. A review of the following documents and figures (also attached) was conducted to prepare the attached figure:

1. 2011 County of San Diego General Plan Mobility Element, Figure M-A-12, North County Metro Mobility Element Network

2. 2011 City of San Marcos General Plan Mobility Element, Figure 3-1, City of San Marcos Roadway Classifications

3. 2010 Vallecitos Water District (VWD) Master Plan, including:
   - Figure 4-2, Water Supply and Sphere of Influence
   - Figure 5-1, Existing Water System
   - Figure 7-1, Existing Sewer System
   - Exhibit 8-1, CIP Projects, Water
   - Exhibit 8-2, CIP Projects, Sewer

4. 2015 SANDAG's San Diego Forward: the Regional Plan, Figure 2.16 2050 Revenue Constrained Managed Lanes and Highway Network

5. Deer Springs Fire Protection District (DSFPD)—District Map and Newland Sierra Fire Protection Plan, Figure 4, Fire Station 12 Five Minute Travel Time Exhibit

6. San Marcos Unified School District (SMUSD) Elementary School, Middle School, and High School Attendance Area Maps for the 2018-2019 School Year

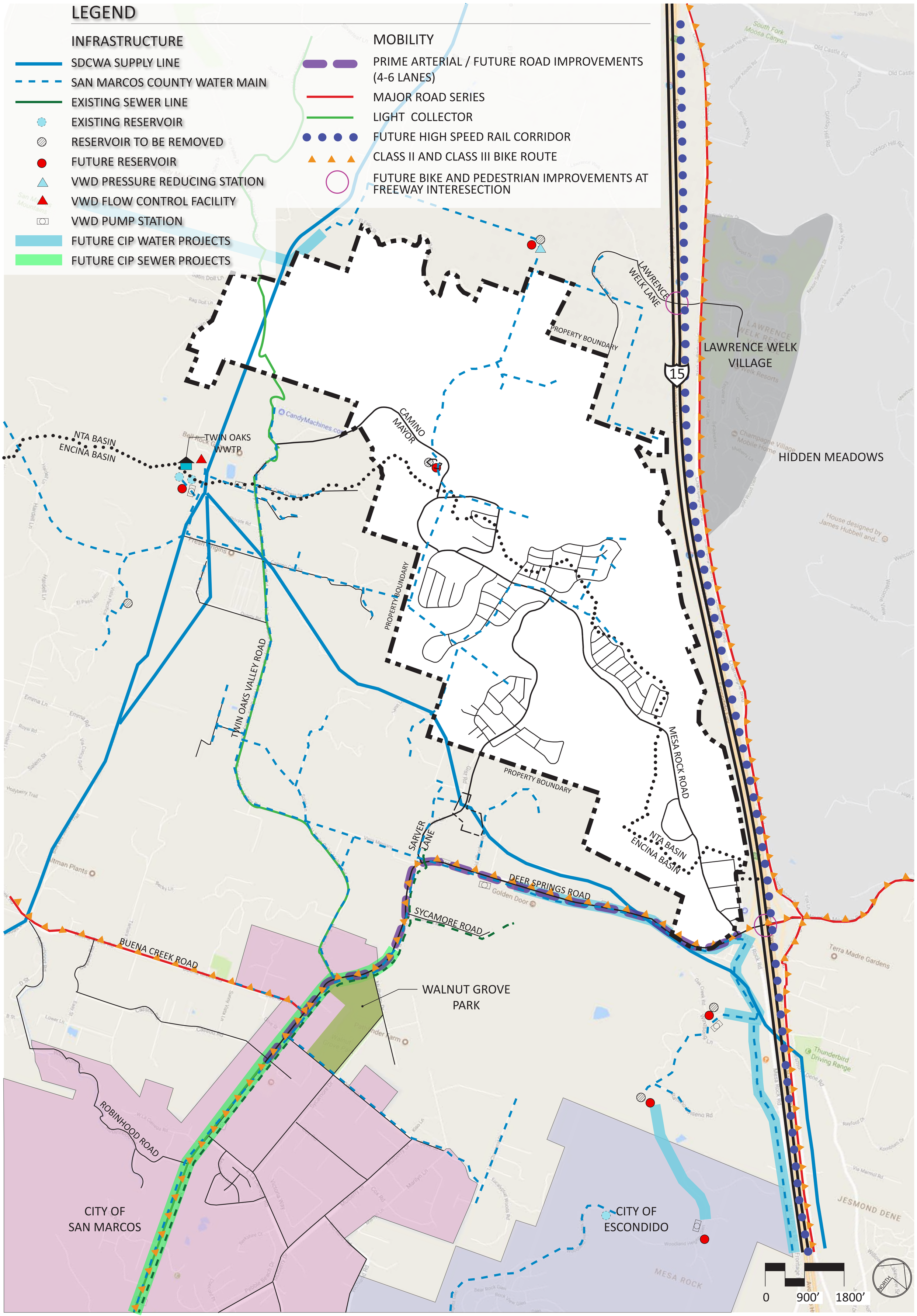
Attached:

Figure 1, Newland Sierra Project Vicinity, Existing and Planned Infrastructure

County, San Marcos, VWD, SANDAG, DSFPD, and SMUSD Existing and Planning Infrastructure and Services Figures and Exhibits

6390 Greenwich Drive, Suite 170, San Diego, California 92122 ○ tel 858.554.1500 ○ fax 858.597.0335 ○ www.fuscoe.com

Figure 1, Newland Sierra Project Vicinity, Existing and Planned Infrastructure and Services



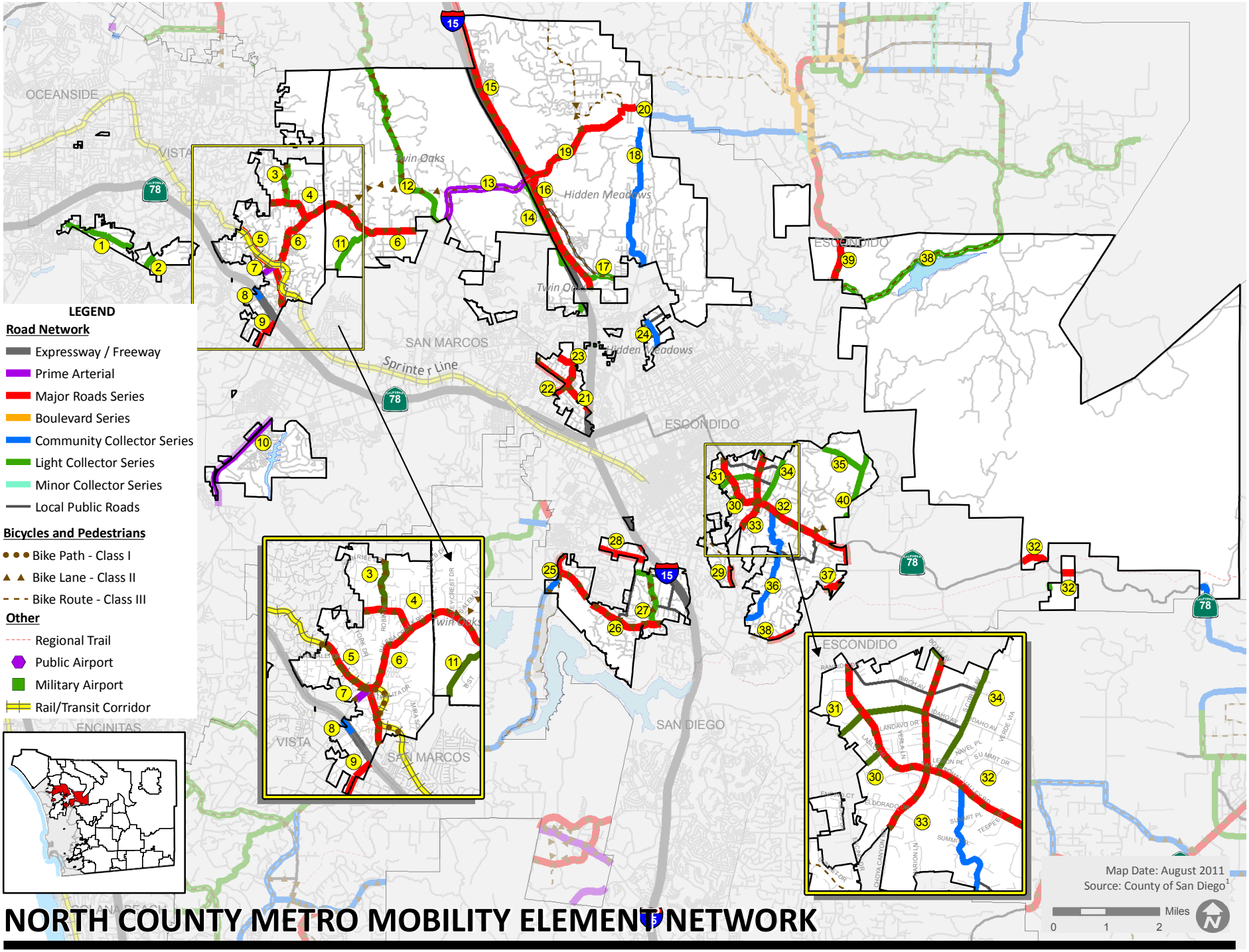
Newland COMMUNITIES

NEWLAND SIERRA

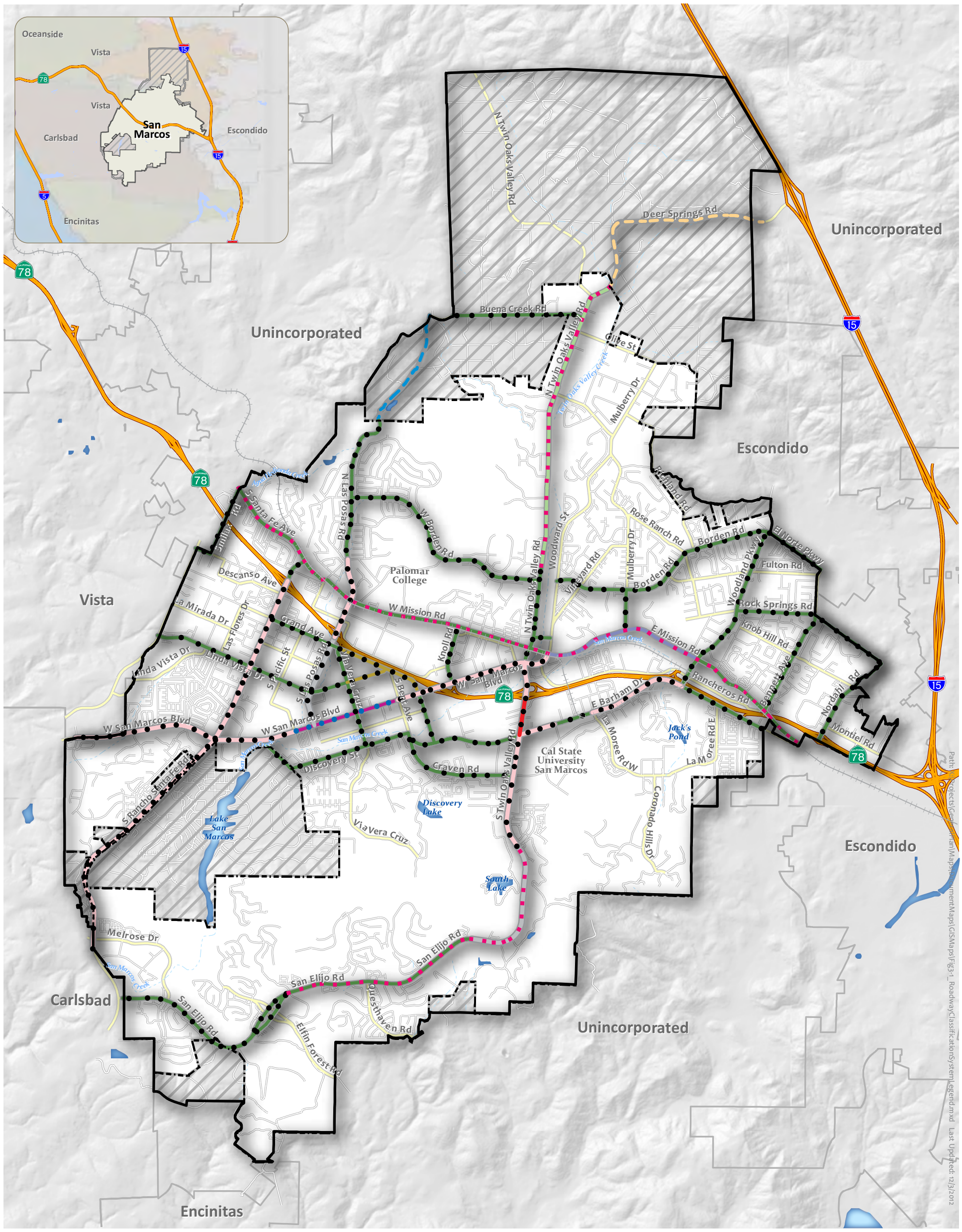
INFRASTUCTURE EXHIBIT

04 .06.2018

County, San Marcos, VWD, SANDAG, DSFPD, and SMUSD Existing and Planning Infrastructure and Services Figures and Exhibits



NORTH COUNTY METRO MOBILITY ELEMENT NETWORK



3 MOBILITY ELEMENT

FIGURE 3-1

City of San Marcos

Roadway Classifications

0 0.25 0.5 1 Miles

SOURCES OF DATA:
City of San Marcos 12/12

- San Marcos City Limits
- Sphere of Influence
- Planning Area
- Major Hydrologic Features
- Creeks
- Railroad
- Freeway
- Highway
- Major Road
- Minor Road

Roadway Classifications

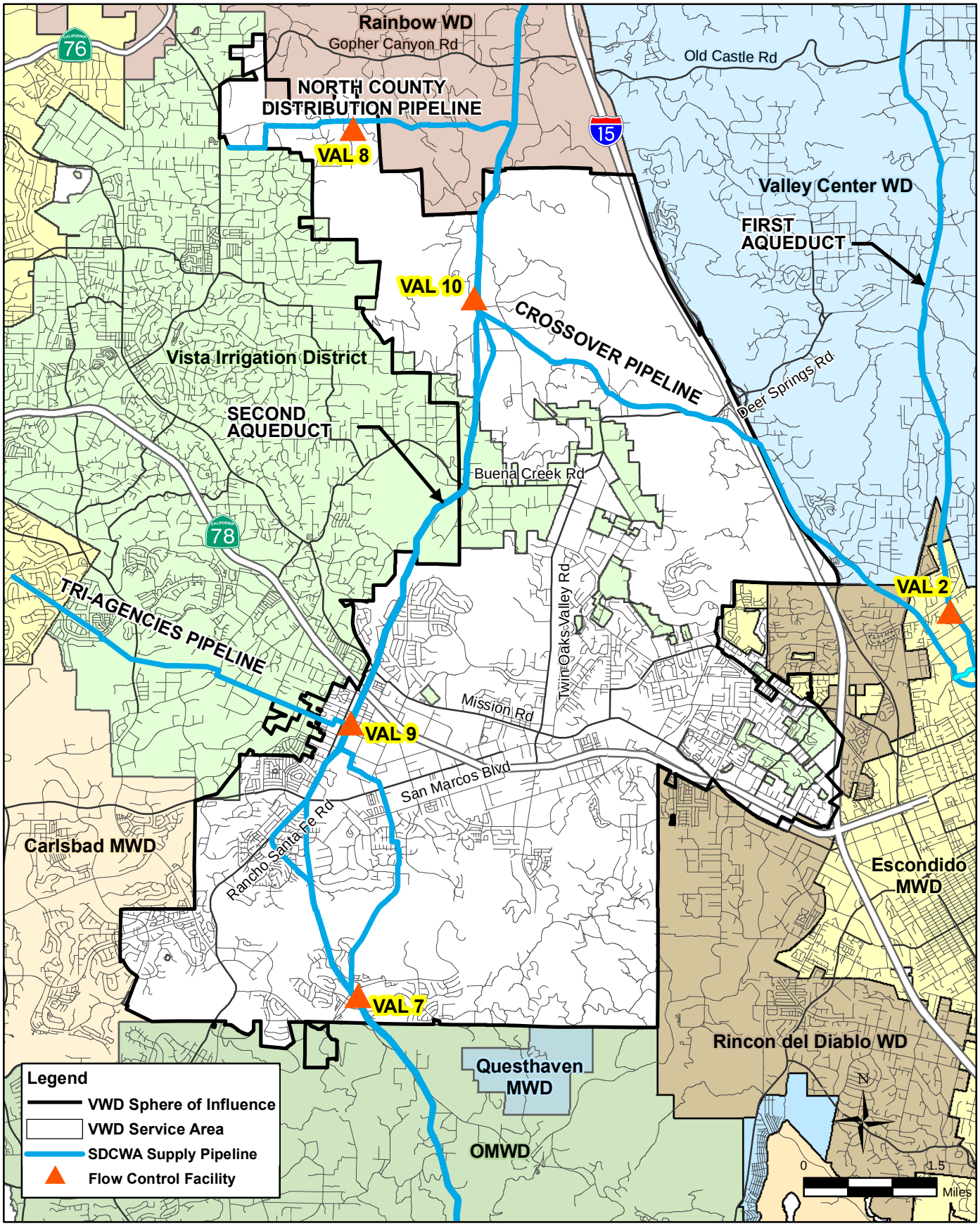
- 2 Lanes with Right-of-Way consistent with County of San Diego's General Plan
- 4 Lanes with Right-of-Way consistent with County of San Diego's General Plan
- Arterial Enhanced
- Complete Street
- 4 Lanes (Rural)
- 4 Lanes
- 4 Lanes +
- Multi-Way Boulevard
- 6 Lanes
- 6 Lanes +

Street Typology*

- Arterial with Class II or III Bicycle Facilities and Sidewalks
- Arterial with Enhanced Bicycle/Pedestrian Facilities
- Multi-Way

* See the Street Design Manual for additional street typology assignments

Every effort has been made to assure the accuracy of the maps and data provided; however, some information may not be accurate or current. The City of San Marcos assumes no responsibility arising from use of this information and incorporates by reference its disclaimer regarding the lack of any warranties, whether expressed or implied, concerning the use of the same. For additional information, see the Disclaimer of the City's website.

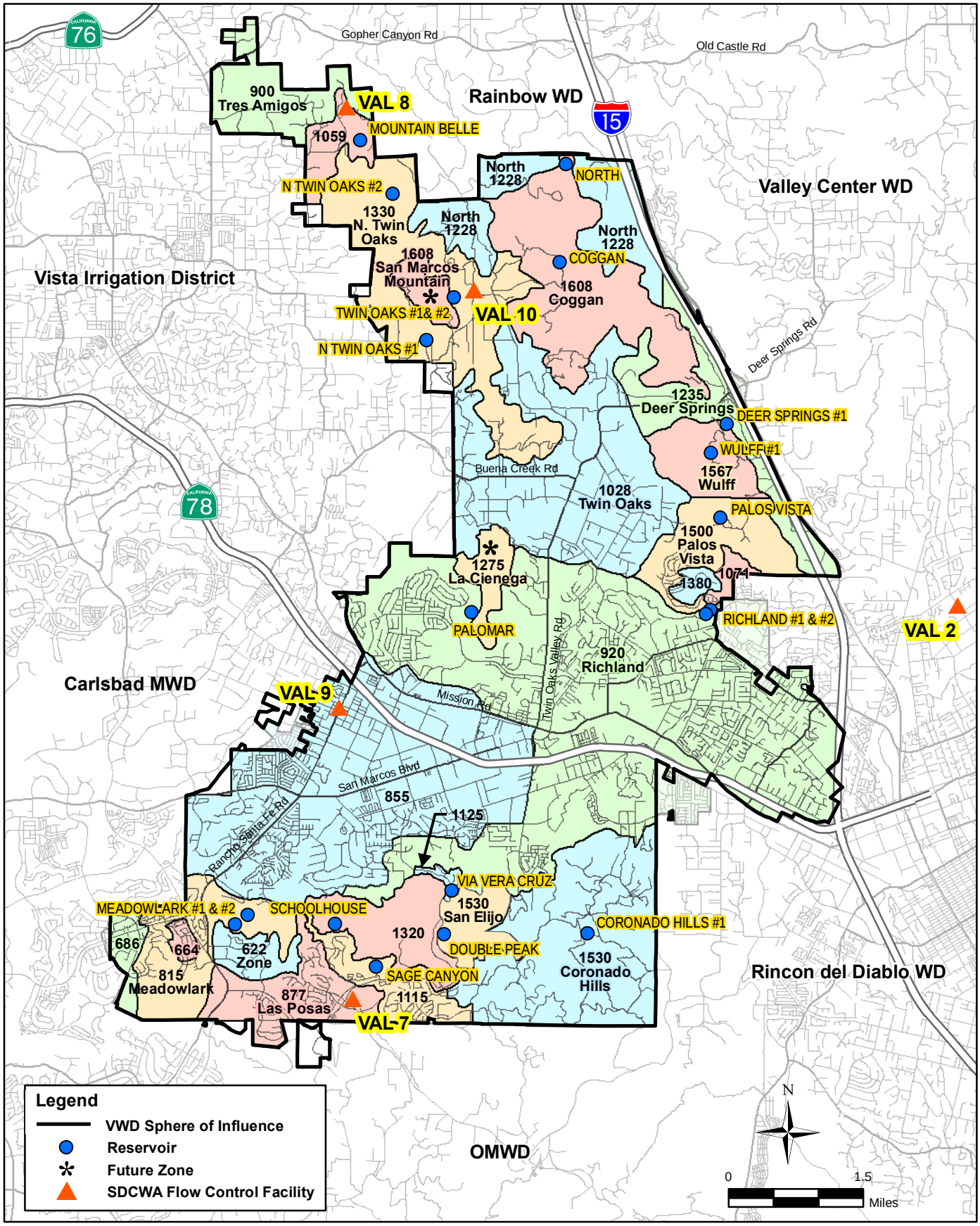


SOURCE: LAFCO SOI - Affirmed 08-06-2007
VWD GIS Data - 07-17-2008, provided by District

WATER SUPPLY

FIGURE 4-2

10/26/2010 KC SD Z:\Projects\IS\VallecitosWaterDistrict\2007MasterPlan\mxd\WaterSupply_F4-2.mxd

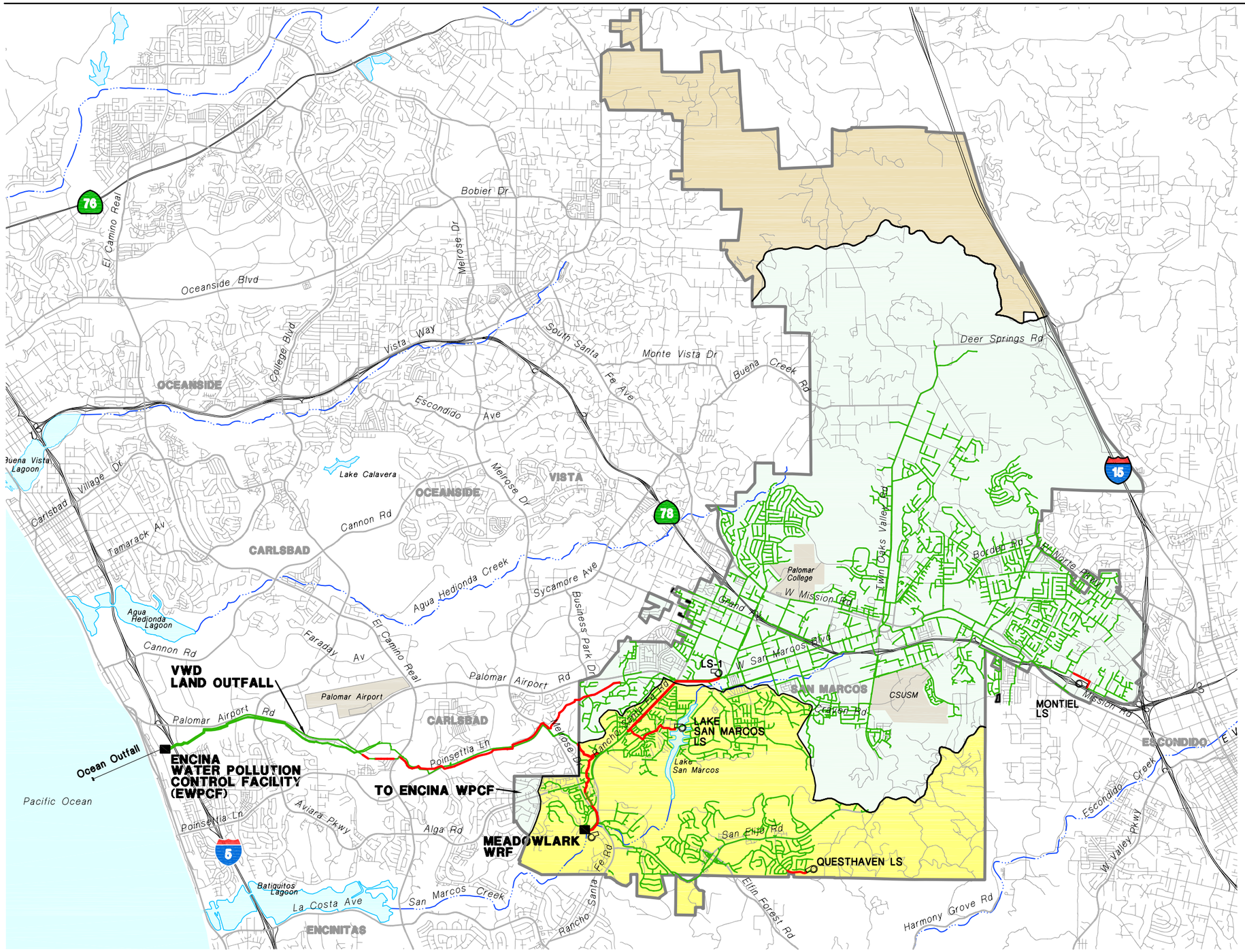


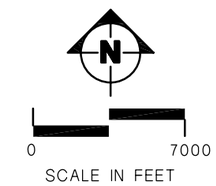
SOURCE: LAFCO SOI - Affirmed 08-06-2007
VWD GIS Data - 07-17-2008, provided by District

2/15/2011 KC SD Z:\Projects\IS\VallecitosWaterDistrict\2007MasterPlan\mxd\ExistingSystem_W_Fig_5-1.mxd

EXISTING WATER SYSTEM

FIGURE 5-1





LEGEND

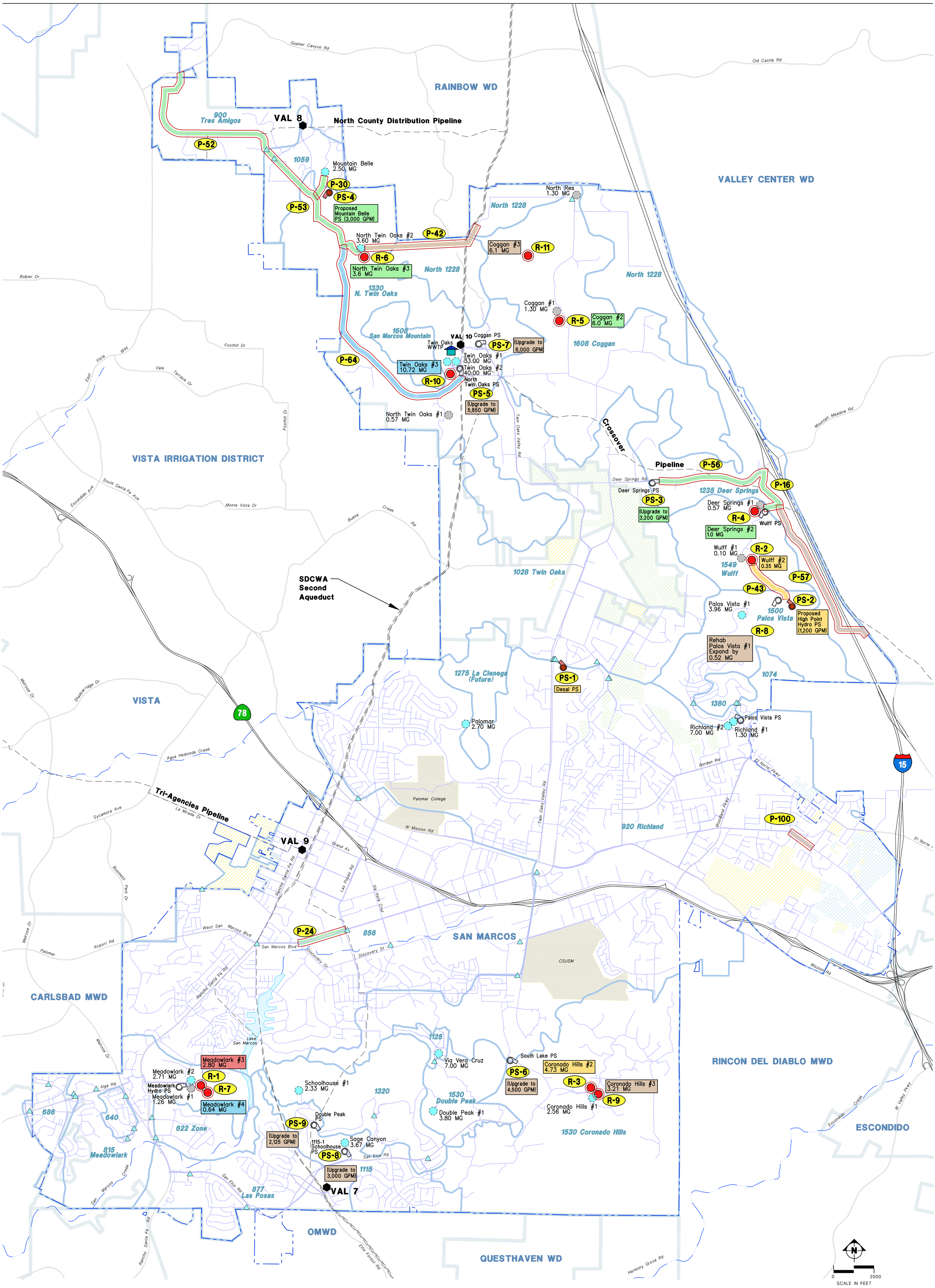
- VWD SPHERE OF INFLUENCE BOUNDARY
- ENCINA BASIN
- MEADOWLARK BASIN
- NTA BASIN
- VWD GRAVITY SYSTEM
- VWD FORCE MAIN
- EXISTIING LIFT STATION (LS)
- EXISTING TREATMENT FACILITY

SEE FIGURE 7-2 AND EXHIBIT 7-1 FOR SYSTEM SCHEMATIC AND OFFSITE OUTFALL INFORMATION.

EXISTING SEWER SYSTEM

FIGURE 7-1

H:\WaterRes\Vallecitos\2007MP\Report\Figs\2824 ExistSewerSystem.dwg February 15, 2011



LEGEND

- VALLECITOS WATER DISTRICT SPHERE OF INFLUENCE
- WATER DISTRICT BOUNDARY
- BOOT SERVICE AREA
- BENNET SERVICE AREA
- SEWER ONLY SERVICE AREA WITHIN THE VWD SOI
- PRESSURE ZONE BOUNDARY
- SCDWA AQUEDUCT
- VAL-9 FLOW CONTROL FACILITY
- EXISTING WATER MAIN
- EXISTING RESERVOIR
- EXISTING RESERVOIR TO BE REMOVED
- PROPOSED RESERVOIR
- EXISTING PRESSURE REDUCING STATION
- EXISTING PUMP STATION
- PROPOSED PUMP STATION

PROJECT PRIORITY

- PHASE 1 - UP TO 2010
- PHASE 2 - 2011 TO 2015
- PHASE 3 - 2016 TO 2020
- PHASE 4 - 2021 TO 2025
- PHASE 5 - 2026 TO 2030
- P-100 PIPELINE PROJECT
- R-11 RESERVOIR PROJECT
- PS-6 PUMP STATION PROJECT

NOTE:
FOR CIP PROJECT REFERENCE, SEE TABLE 8-1

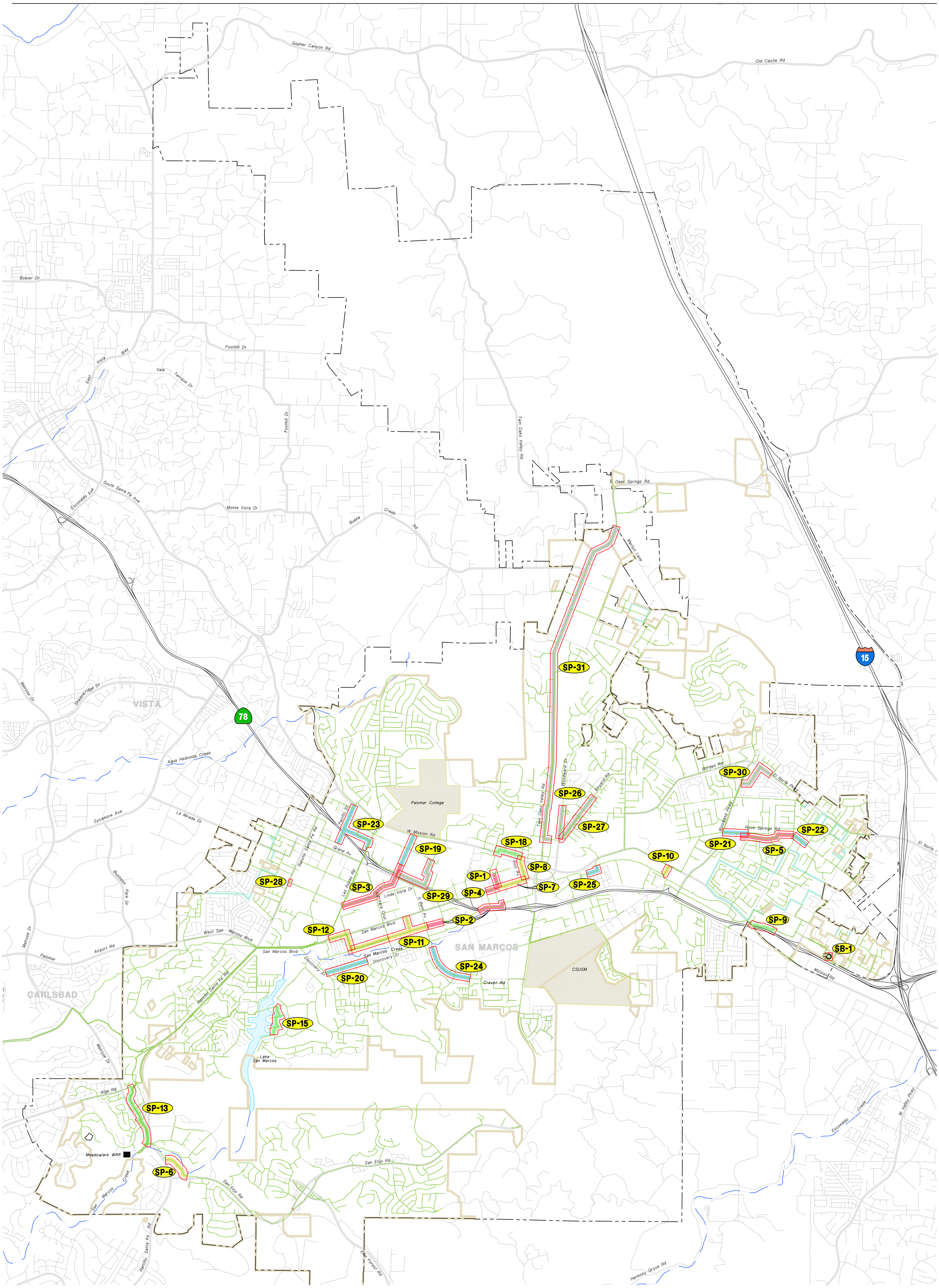
CIP PROJECTS WATER

EXHIBIT 8-1

H:\WaterRes\VWD\2007MP\Report\Figures\2824 CIP-water.dwg April 1, 2011

PBSJ

Vallecitos Water District Master Plan
November 2010



LEGEND

- VALLECITOS WATER DISTRICT BOUNDARY
- SEWER SERVICE AREA BOUNDARY
- VWD GRAVITY SYSTEM
- SP-29 PROJECT NUMBER
- EXISTIING PUMP STATION
- EXISTING TREATMENT FACILITY

CIP PROJECT PRIORITY

- PHASE 1 - UP TO 2010
- PHASE 2 - 2011 TO 2015
- PHASE 3 - 2016 TO 2020
- PHASE 4 - 2021 TO 2025
- PHASE 5 - 2026 TO 2030

SEE TABLE 8-2 FOR CIP PROJECT DETAILS

N

0 2000
SCALE IN FEET

CIP PROJECTS SEWER

EXHIBIT 8-2

H:\WaterRes\VWD\2007MP\Report\Figures\2824 CIP-sewer P.dwg February 16, 2011

PBSJ

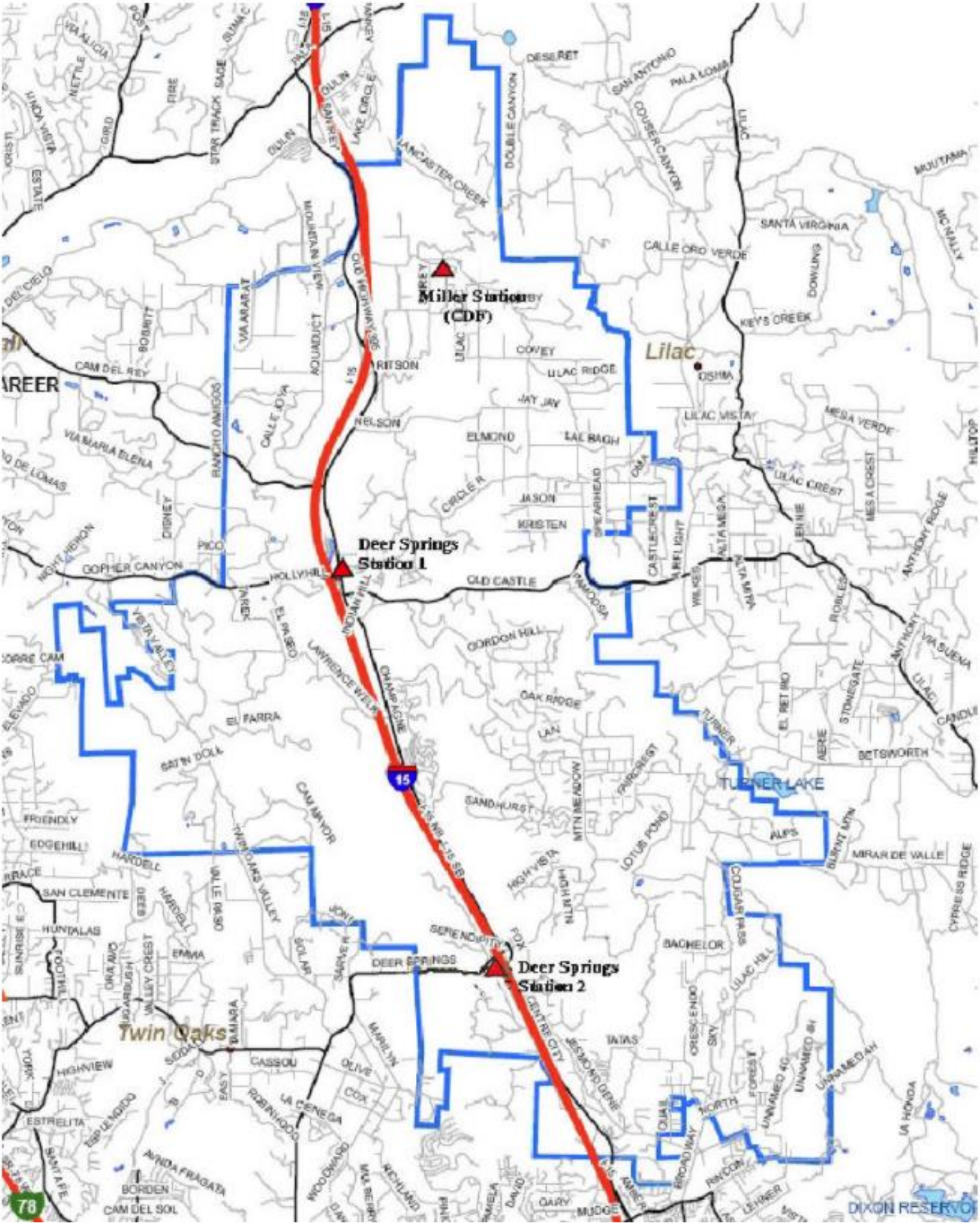
Figure 2.16

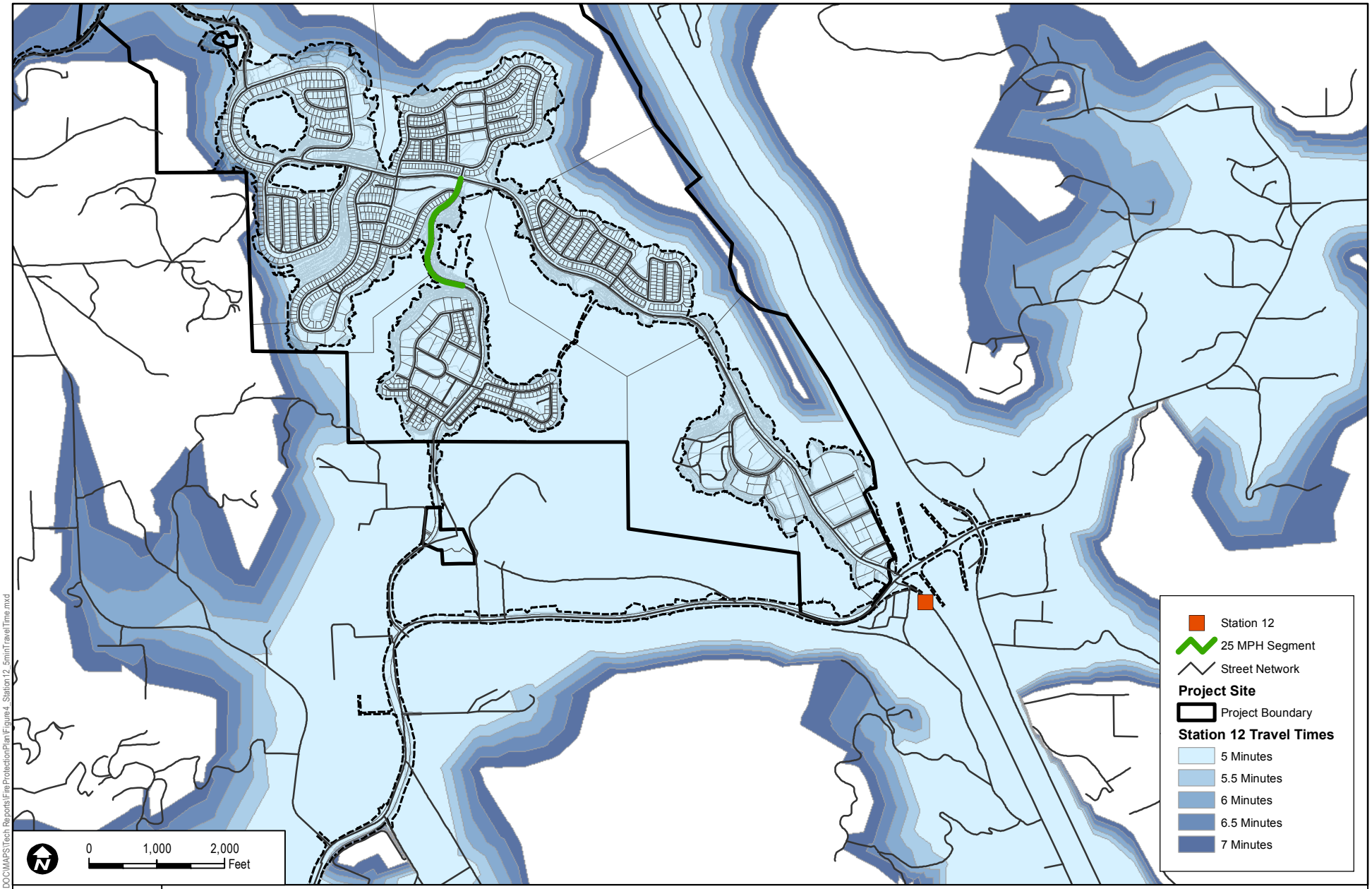
2050 Revenue Constrained Managed Lanes and Highway Network

October 2015

District Map

The Fire District covers 47 square miles north of Escondido, CA. It is approximately 12 miles long and 7 miles wide.





SOURCE: ESRI, SanGIS 2013, Fuscoe 2014

DUDEK

Newland Sierra Fire Protection Plan

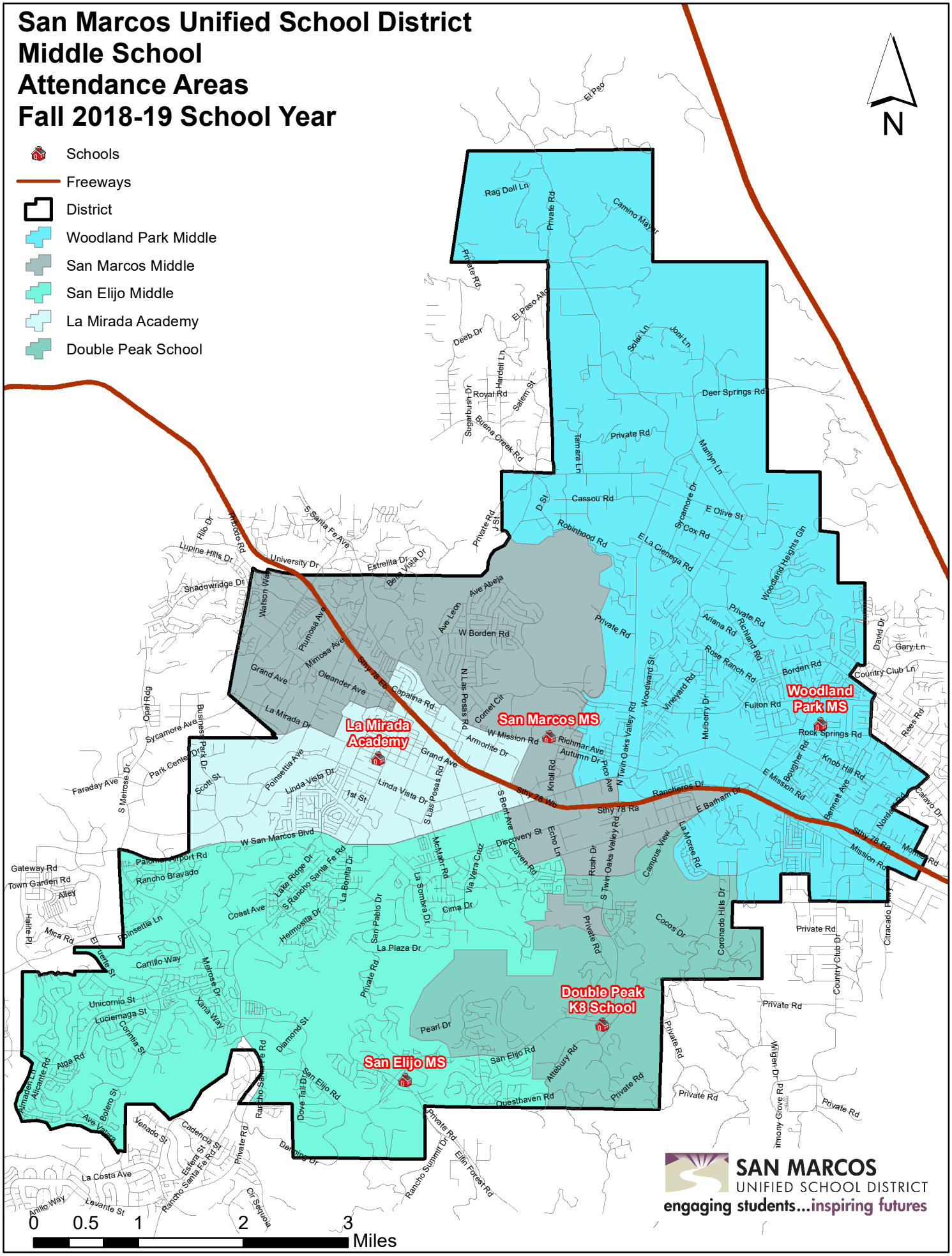
FIGURE 4

Fire Station 12 Five Minute Travel Time Exhibit

NOTE: Existing roads use speeds from SanGIS. Plan area roads assume speeds between 25-35 MPH.

Path: Z:\Projects\7\60801\MAPDOC\MAPS\Tech Reports\FireProtectionPlan\Figure4_Station12_5minTravelTime.mxd

San Marcos Unified School District
Middle School
Attendance Areas
Fall 2018-19 School Year

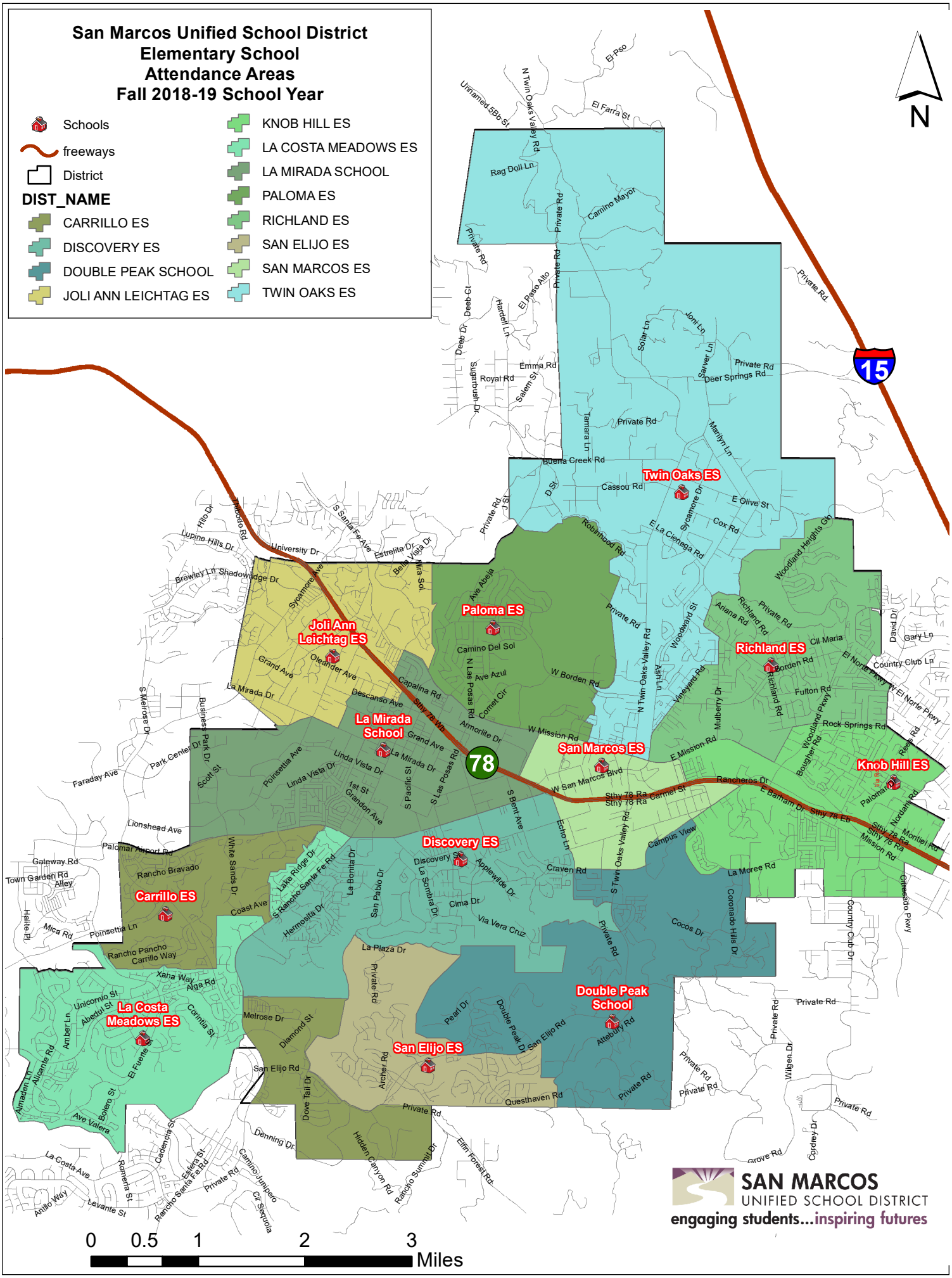
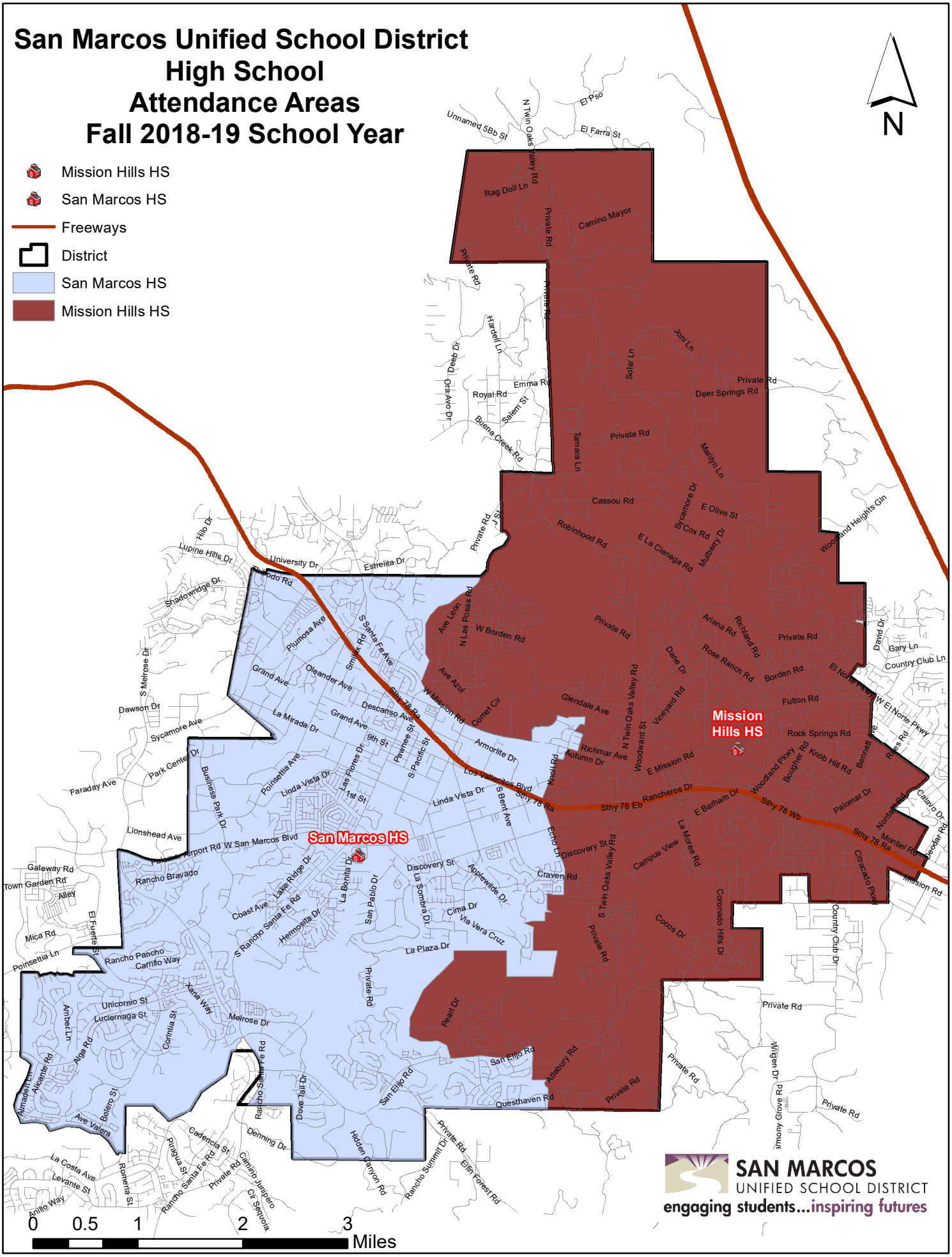


San Marcos Unified School District
Elementary School
Attendance Areas
Fall 2018-19 School Year

- Schools
- freeways
- District

DIST_NAME

- CARRILLO ES
- DISCOVERY ES
- DOUBLE PEAK SCHOOL
- JOLI ANN LEICHTAG ES
- KNOB HILL ES
- LA COSTA MEADOWS ES
- LA MIRADA SCHOOL
- PALOMA ES
- RICHLAND ES
- SAN ELIJO ES
- SAN MARCOS ES
- TWIN OAKS ES



San Marcos Unified School District
High School
Attendance Areas
Fall 2018-19 School Year