

Response to CEC Staff Data Adequacy Comments**Technical Area: Traffic and Transportation**

Following are additional information and/or clarifications in response to the specific issues raised in the CEC staff Data Adequacy review. For each specific area where the questions were raised by CEC staff, the applicable section of the CEC Siting Regulations is identified, followed by the "Information Required to Make AFC Conform with Regulations," followed by the supplemental/clarifying information.

TRANS-1. Appendix B (g)(5)(A).**Information Required:**

Please provide a regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities.

Response:

Please see revised (re-scaled) Figure 5.13-1.

TRANS-2. Appendix B (g)(5)(C).**Information Required:**

Please provide an identification, on topographic maps at a scale of 1:24,000, and a description of existing and planned roads, rail lines, (including light rail), bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility.

Response:

Please see revised AFC Figure 5.13-2 (re-scaled and with added information including bike lanes and bus transit routes). A description of existing roadways is provided in AFC Sections 5.13.2.1 and 5.13.2.2. There is one planned roadway improvement in the area. The City of Palmdale is planning to grade-separate Avenue P (Monte Vista) at Sierra Highway and the Union Pacific tracks. (Personal conversation between John Wilson, Wilson Engineering and Gordon Phair, City of Palmdale, September 11, 2008) Section 5.13.2.4 of the AFC includes a description of bus transit routes and rail service in the Project area. There is no light rail in the Project area. The attached revised Figure 5.13-2 includes both bus transit routes and railroad service in the Project area. The Antelope Valley Transit Authority (AVTA) provides local bus service with fixed routes through the Palmdale area. Regional transit service is also provided by Kern Regional Transit with the East Kern Express and the Mojave-Ridgecrest Routes. Santa Clarita Transit also operates daily commuter bus service with Route 795 daily between Santa Clarita and Lancaster/Palmdale. Railroad service in the area is provided by the Union Pacific Railroad. The railroad spurs that come off the main line and enter the Air Force Plant 42 property are owned and maintained by the

Department of Defense and the Air Force. There are no major regional pipelines or canals in the area.

TRANS-3. Appendix B (g)(5)(C)(ii).

Information Required:

Please provide peak traffic counts.

Response:

Please see Figure 5.13-3 in the AFC for existing peak hour traffic counts on roadways in the project vicinity. AFC Table 5.13-6 provided the daily traffic information in the area. These data have been converted to hourly traffic data in Table 5.13-6b below by assuming that the peak hourly data would be about ten percent of the daily values, which is a typical traffic engineering assumption when no hourly data are available. Table 5.13-6b summarizes estimates of existing and Baseline 2011 two-way peak hour traffic volumes for select roadways in the Project area.

Table 5.13-6b Existing and 2011 Baseline Peak Hour Roadway Traffic Volumes, Approximate Design Capacities, and Truck Volumes

Roadway/ Segment	Existing Conditions ¹				Year 2011 Conditions ²			
	Travel Lanes	Volume	Approx Capacity ³	Truck Volumes	Travel Lanes	Volume	Approx Capacity ³	Truck Volumes
SR-14 North of Avenue L	6	7,900	13,200	9.2%	6	10,110	13,200	9.2%
SR-14 South of Avenue M	6	9,900	13,200	9.2%	6	12,670	13,200	9.2%
Avenue L East of SR-14	6	3,200	5,400		6	3,740	5,400	
Avenue M East of SR-14	4	2,180	3,600		6	2,790	3,600	
Avenue M Sierra to Challenger	4	2,075	3,600		4	2,650	3,600	
Avenue M Challenger to 20 th St E	4	1,400	3,600		4	1,795	3,600	

¹ Based on Caltrans, 2007, City of Palmdale 2007, assumes peak hourly traffic is 10% of daily values

² Existing Traffic Volumes expanded to Year 2011 (Estimated Construction Completion) at historical rates of 5.59%/year (SR-14 2000 to 2006)

³ Two way Capacity in vehicles per hour, City of Palmdale, 1993

TRANS-4. Appendix B (g)(5)(C)(iv).

Information Required:

Please provide weight and load limitations.

Response:

The key weight and load restrictions in the State of California is the maximum overall gross weight is limited to 80,000 pounds, and the gross weight of each set of tandem axles is limited to 34,000 pounds. Special permits are required to move loads in excess of 80,000 lbs from the appropriate agency having jurisdiction over the facility as indicated in the AFC. Additionally, weight restrictions for vehicles traveling on freeways and highways include limits on single-axle loads of 20,000 pounds. The load on any one wheel, or wheels supporting one end of an axle, is limited to 10,500 pounds. The front steering axle load is limited to 12,500 pounds.

TRANS-5. Appendix B (g)(5)(C)(v).

Information Required:

Please provide an estimated percentage of current traffic flows for passenger vehicles and trucks for local streets identified in Table 5.13-6.

Response:

Estimated truck percentages for surface streets in the project area included in the traffic analysis are 7 to 10 percent trucks on Avenue M and 3 to 5 percent on Avenue L between SR-14 and Challenger. East of Challenger, truck traffic on Avenue L is estimated to be virtually zero. (Personal conversation between John Wilson, Wilson Engineering and Jason Finch, City of Palmdale, September 5, 2008)

TRANS-6. Appendix B (g)(5)(E).

Information Required:

Please provide a discussion of project-related hazardous materials to be transported to or from the project during construction of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.

Response:

During project construction there will be the typical use of paints, solvents, oils, gas, diesel fuel, grease and other cleaners; the majority of which will be brought to the site in limited quantities from local sources. Fuel, solvents, grease, oil, etc. will all most likely be brought to the site from Palmdale, following either Sierra Highway or SR-14 to Avenue M and then Avenue M east to the

site. Fuel trucks typically will come to the site each evening to service equipment. The delivery of solvents and other cleaners is generally a little more sporadic and will be scheduled dependent upon need.

TRANS-7. Appendix B (i)(2).

Information Required:

Please provide the name, title, phone number, and email address (if known), of an official who was contacted within each agency, and also provide the name of the official who will serve as a contact person for Commission staff.

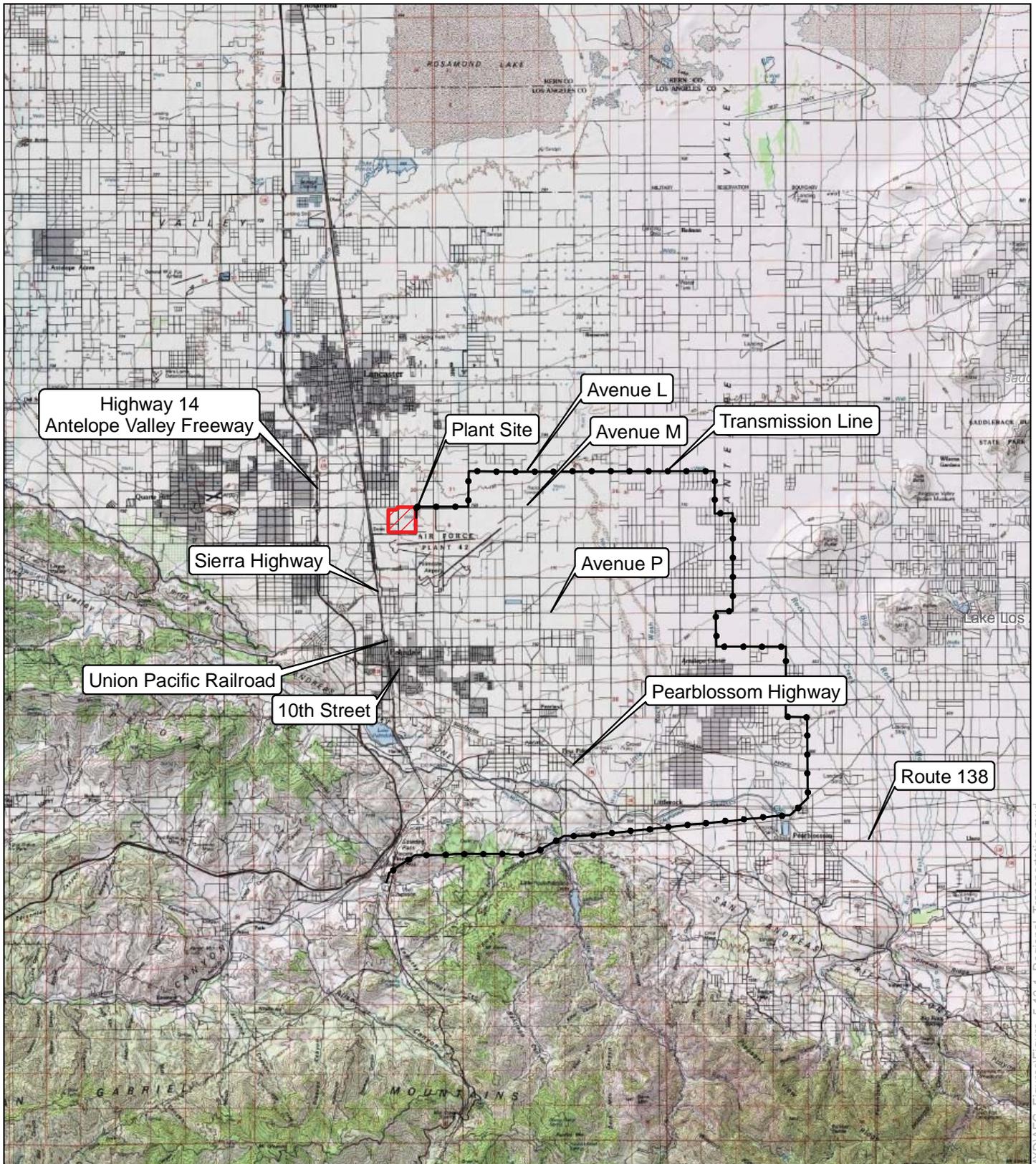
Response:

AFC Table 5.13-2 has been revised to include the additional information.

**Table 5.13-2R
Agencies and Agency Contacts**

Agency	Contact	Permit/Issue
City of Palmdale	Allie Mawrey City of Palmdale 38250 Sierra Highway Palmdale, CA 93550 adininger@City of Palmdale (661)267-5272	Encroachment Permit for work in the City Right of Way
County of Los Angeles	Department of Public Works, Palmdale Permit Office Gary Johnson 38126 Sierra Highway Palmdale, CA 93550 Tel: (661) 947-4151	Encroachment Permit for work in the County Right of Way
CALTRANS, District 7	Michael Sariah Caltrans District 7 100 S. Main Street, Los Angeles, CA 90012 Tel: (213) 897-6943	Encroachment Permit for work in Caltrans' Right of Way; Permits for Oversize Loads on State Highways
County of Los Angeles	Department of Public Works, Tony Moran 900 Fremont Street Allhambra, CA 91803 Tel: (626) 458-3126	Permits for Oversize Loads on County Roadways
California DMV	Ron # 14 2260-D, East Palmdale Street Palmdale, CA 93550 Tel: (800) 777-0133	Licenses for Transport of Hazardous Materials and Wastes
CHP, Motor Carrier Unit Southern Division	2041 West Avenue Lancaster, CA 93536 Laurie Tilox Tel: 323-644-9557 www.chp.ca.gov/publications/index.html	Approved Routes for Transport of Hazardous Materials and Wastes

Air Force Plant 42	Mr. Dave Dickson Supervising Engineer ASC/ENV 1801 10th Street Wright-Patterson AFB, OH 45433-7626 937-255-3170	Ownership and maintenance of the railroad spur lines onto Air Force Plant 42 property
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Map Location



Legend

-  Transmission Line
-  Project Site

NGS USA Topographic Maps



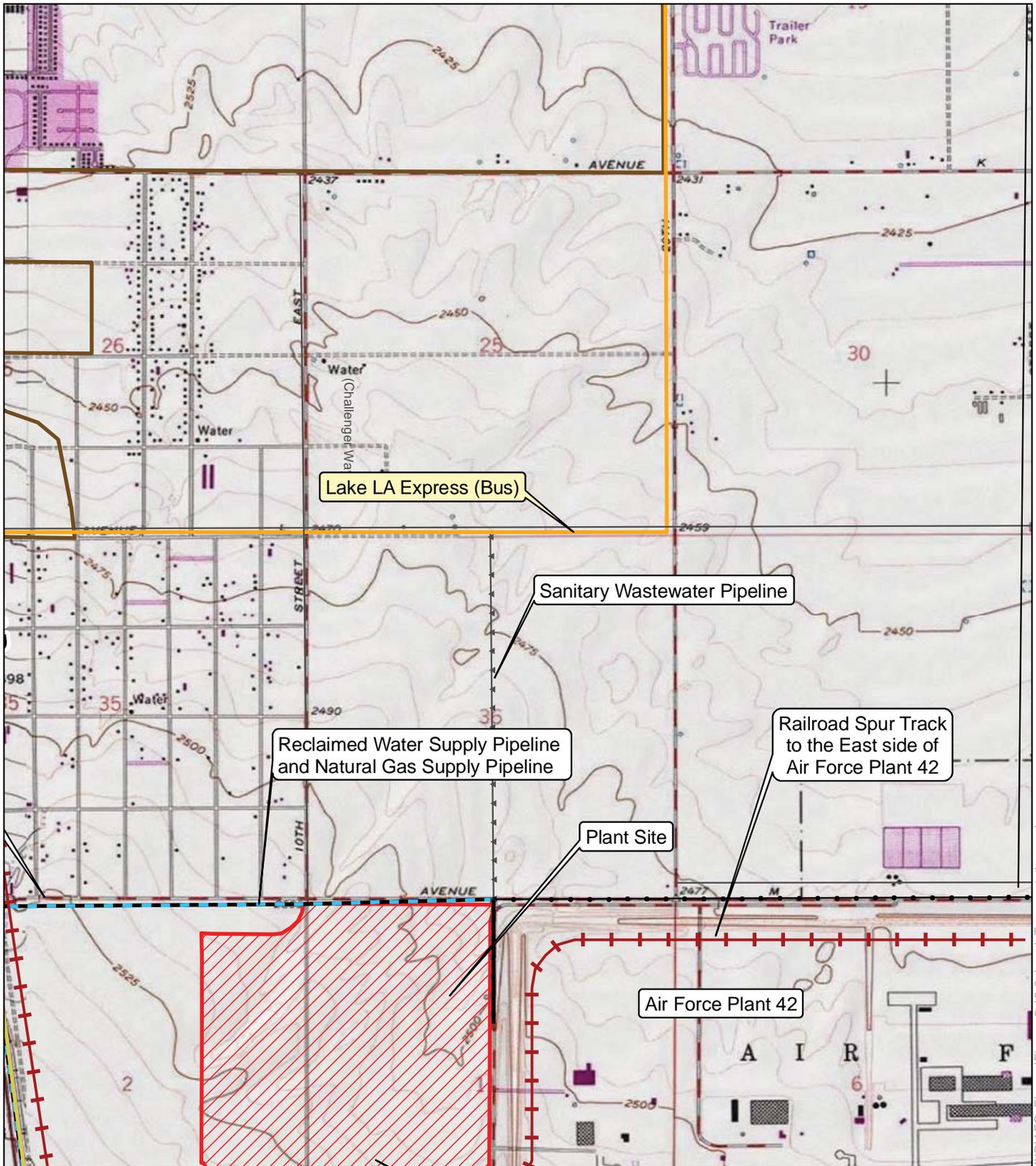
Palmdale Hybrid Power Project

**Figure 5.13-1
Regional Transportation Access**

1:250,000



Project: 10855-002
Date: September 2008



Palmdale Hybrid Power Project

Figure 5.13-2 Local Transportation Access

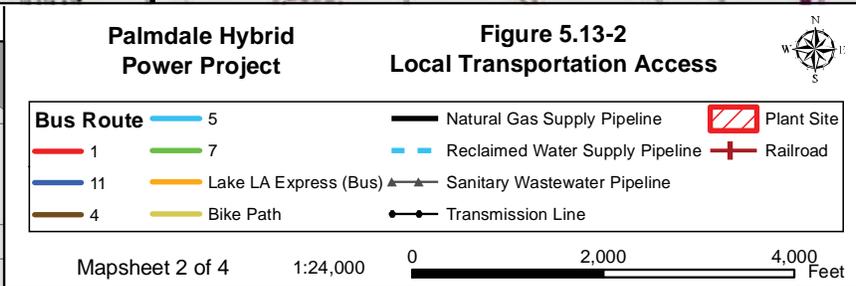
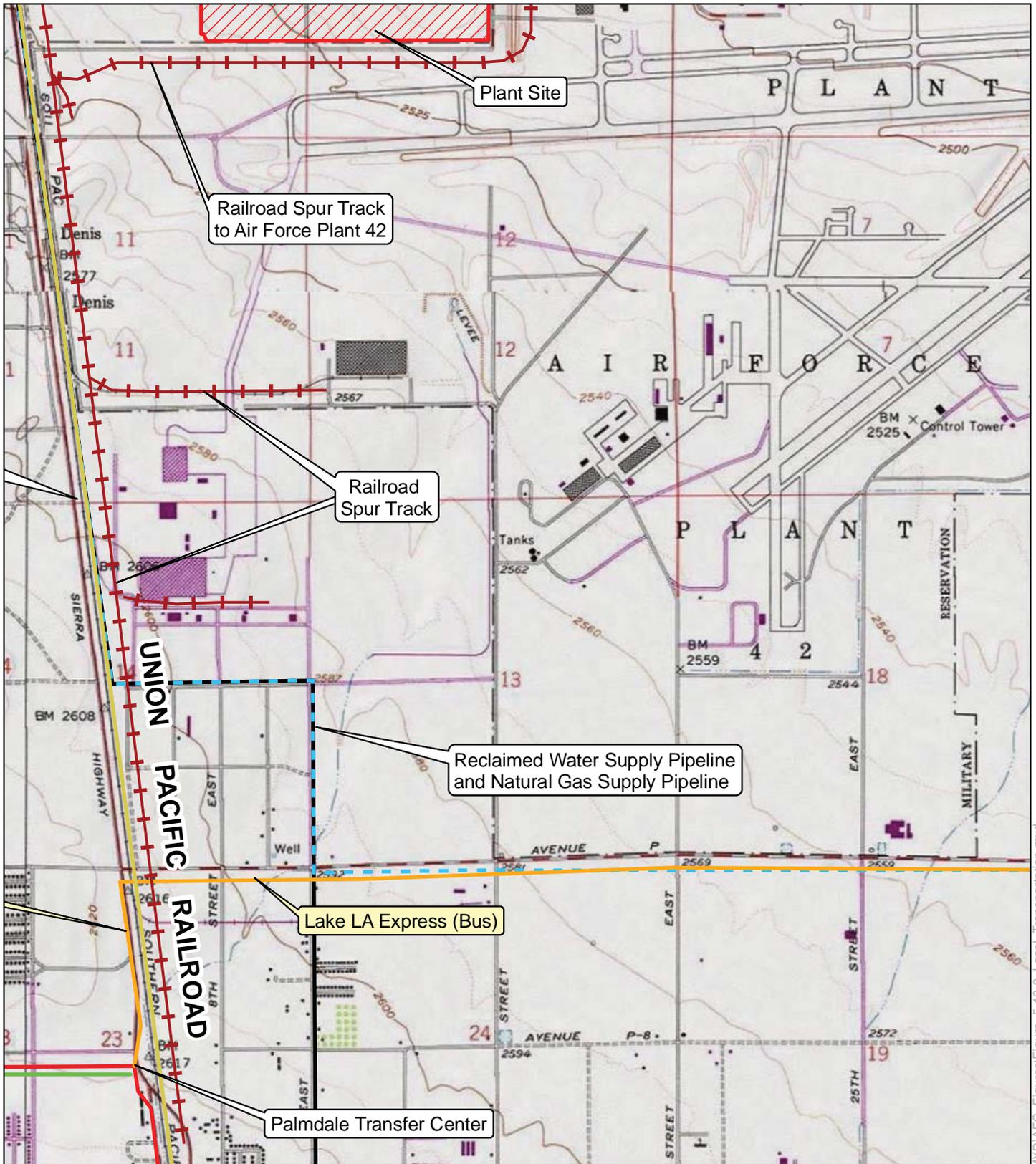
Bus Route	5	Natural Gas Supply Pipeline	Plant Site
1	7	Reclaimed Water Supply Pipeline	Railroad
11	Lake LA Express (Bus)	Sanitary Wastewater Pipeline	
4	Bike Path	Transmission Line	

Mapsheet 1 of 4 1:24,000 0 2,000 4,000 Feet



Project: 10855-002
Date: September 2008

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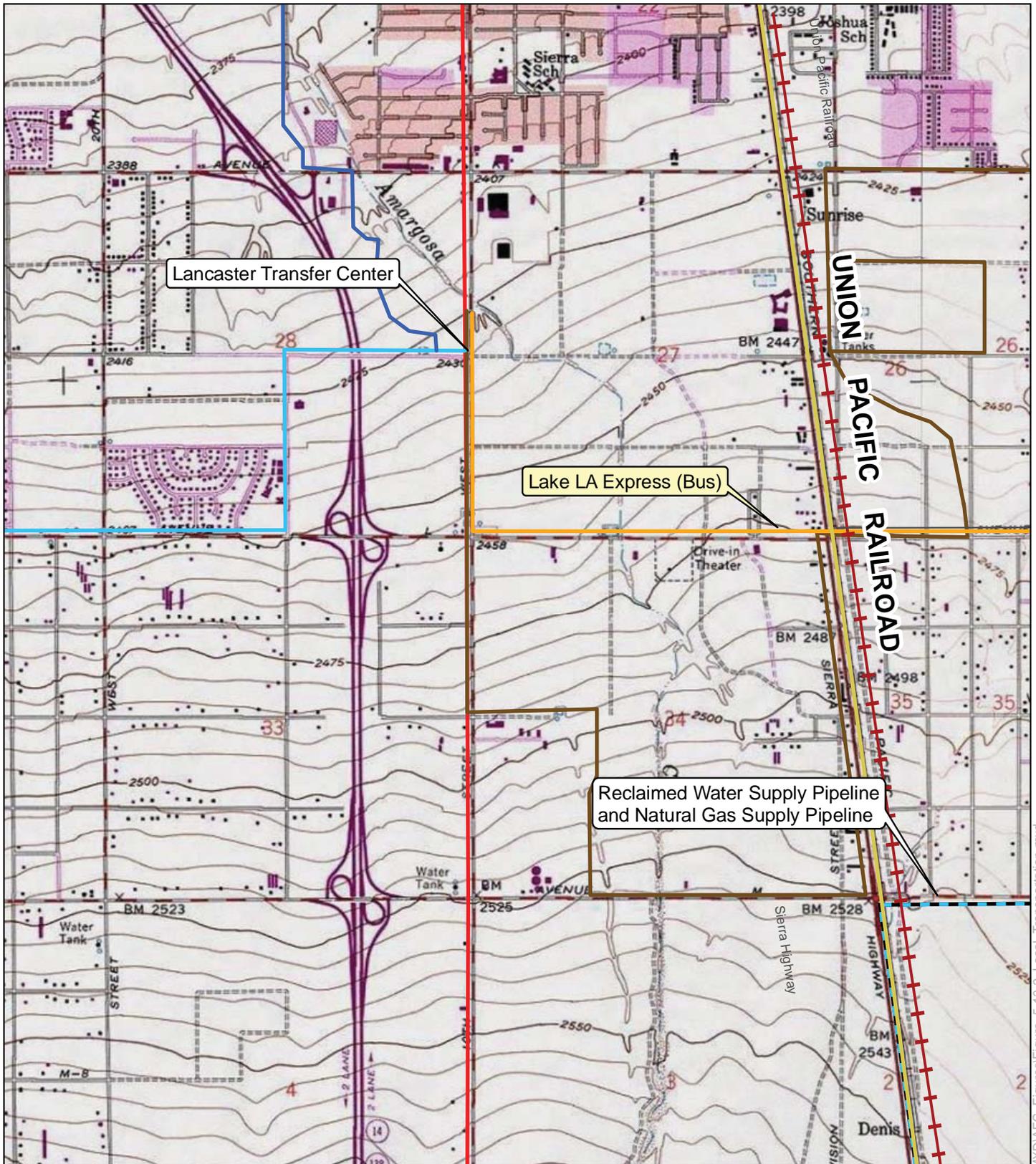


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Project: 10855-002
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Palmdale Hybrid Power Project

Bus Route	5		Natural Gas Supply Pipeline		Plant Site
1	7		Reclaimed Water Supply Pipeline		Railroad
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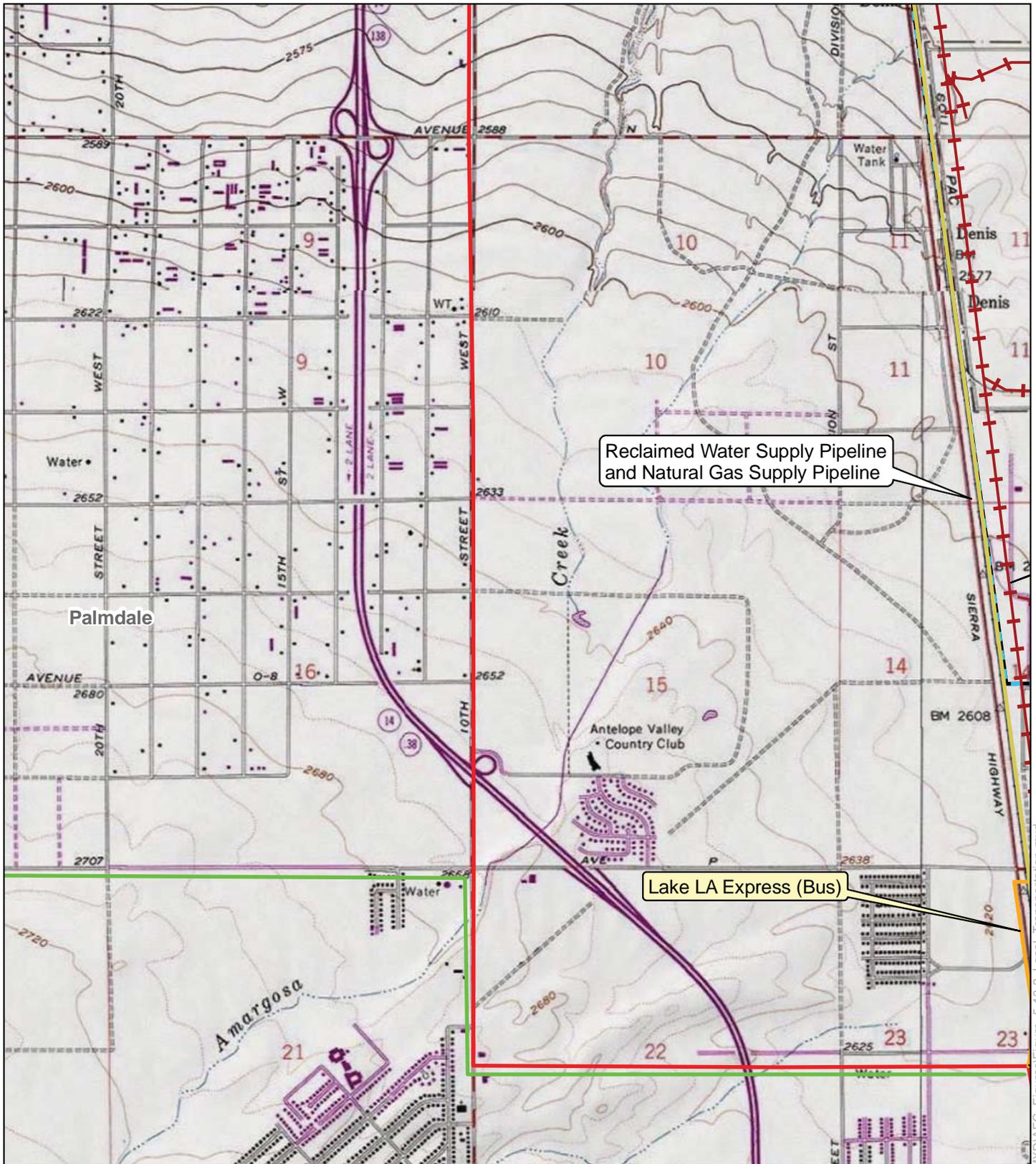
Figure 5.13-2 Local Transportation Access



Mapsheet 3 of 4 1:24,000



Project: 10855-002
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Palmdale Hybrid Power Project

Figure 5.13-2 Local Transportation Access

Bus Route	5		Natural Gas Supply Pipeline		Plant Site
1	7		Reclaimed Water Supply Pipeline		Railroad
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Mapsheet 4 of 4 1:24,000

0 2,000 4,000 Feet



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