



Appendix K. Geotechnical, Subsurface, Seismic, and Paleontological Technical Report Appendix A: Attachments 1-2

ATTACHMENT 1

Project Maps

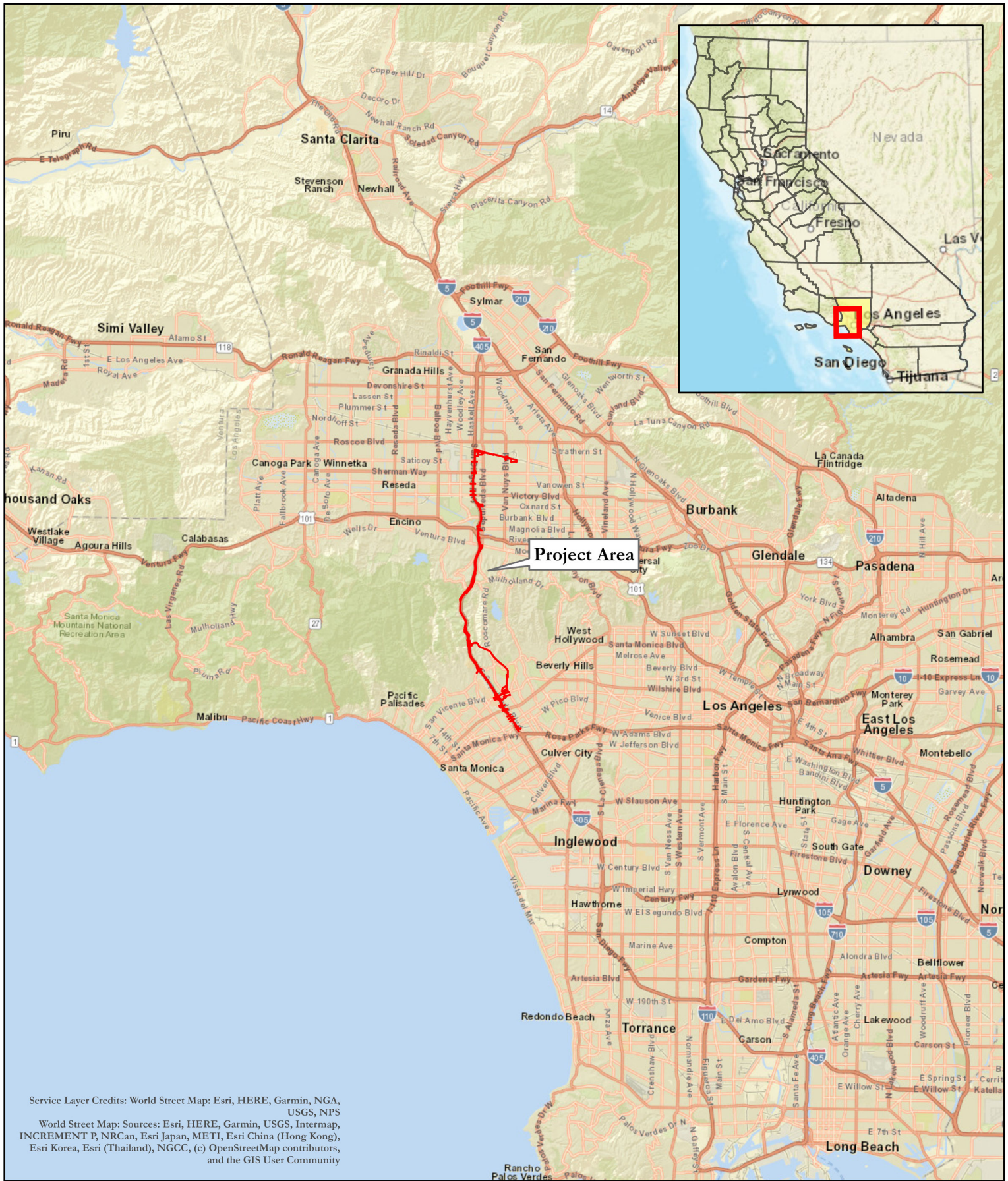


Figure 1a. Project Vicinity

Sepulveda Transit Corridor Project Alternatives 1 & 3
Contract No. AE67085000

Project Area



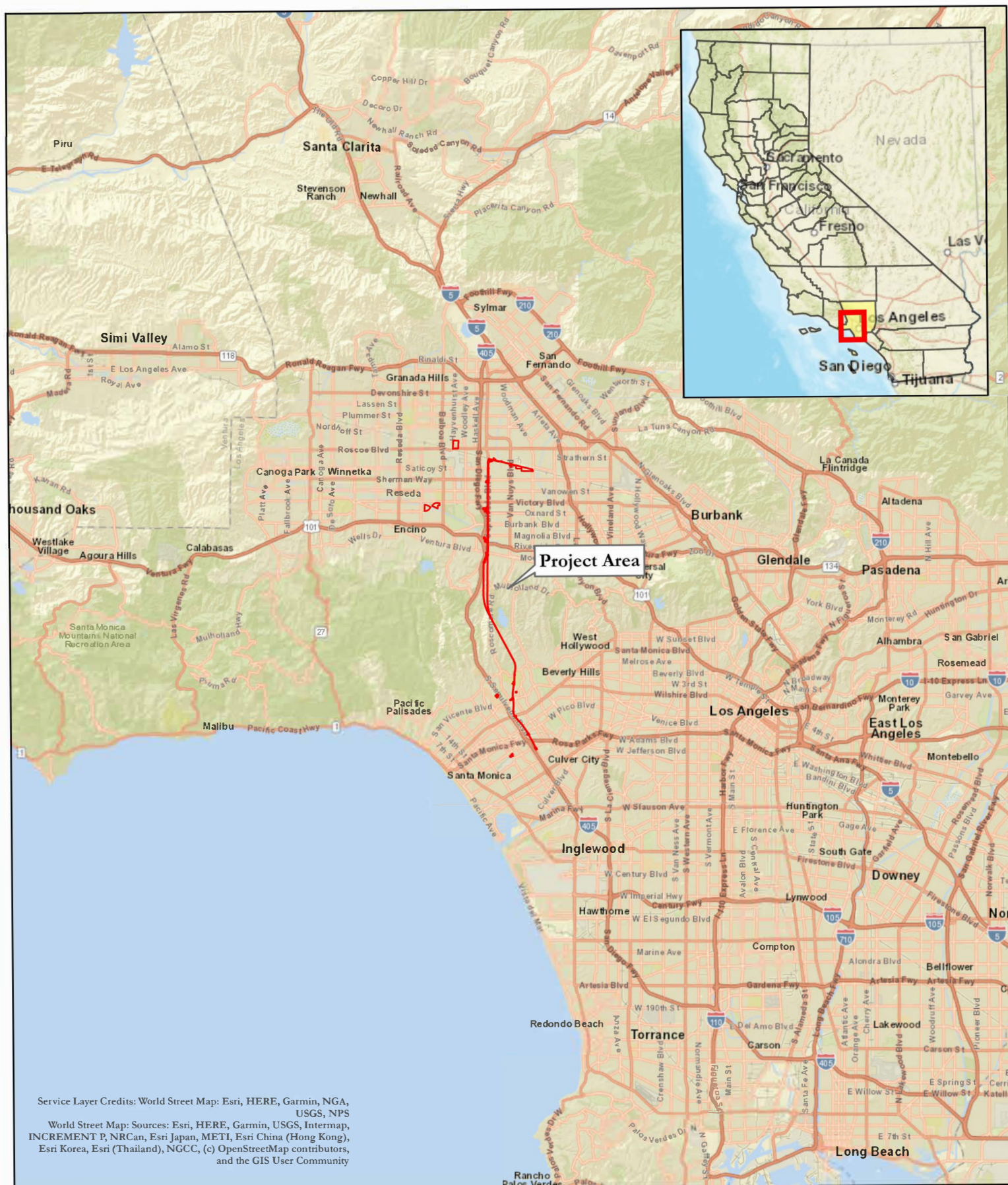
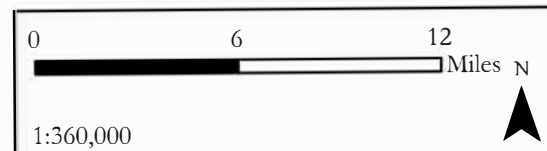


Figure 1b. Project Vicinity

Sepulveda Transit Corridor Project Alternatives 4 & 5
Contract No. AE67085000

Project Area



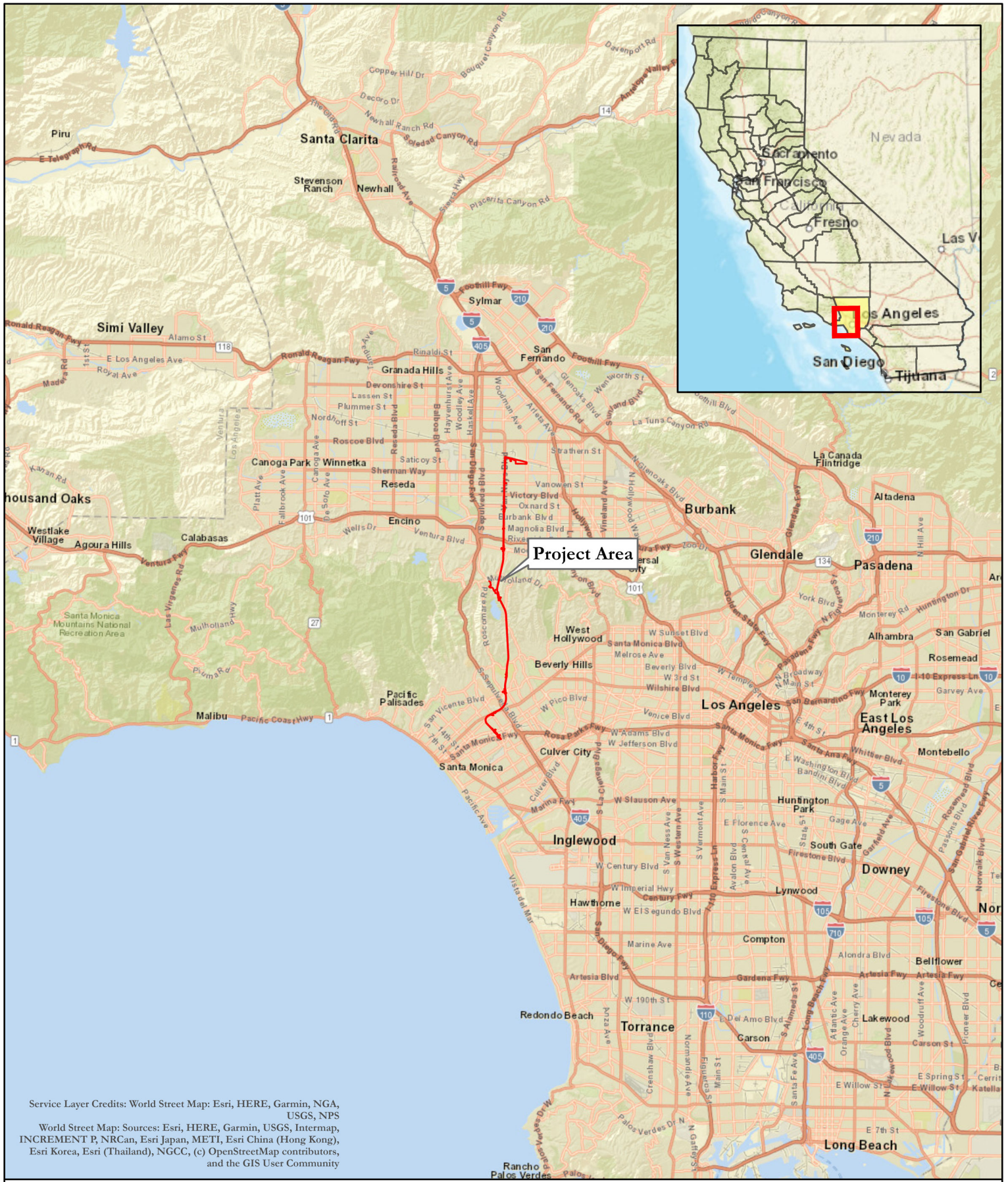


Figure 1c. Project Vicinity
 Sepulveda Transit Corridor Project Alternative 6
 Contract No. AE67085000

Project Area

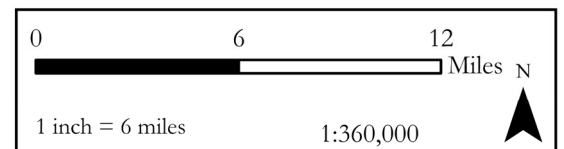
0 6 12 Miles N
 1:360,000



Figure 1. Project Vicinity

Sepulveda Transit Corridor Project - All Alternatives
Contract No. AE67085000

Project Area



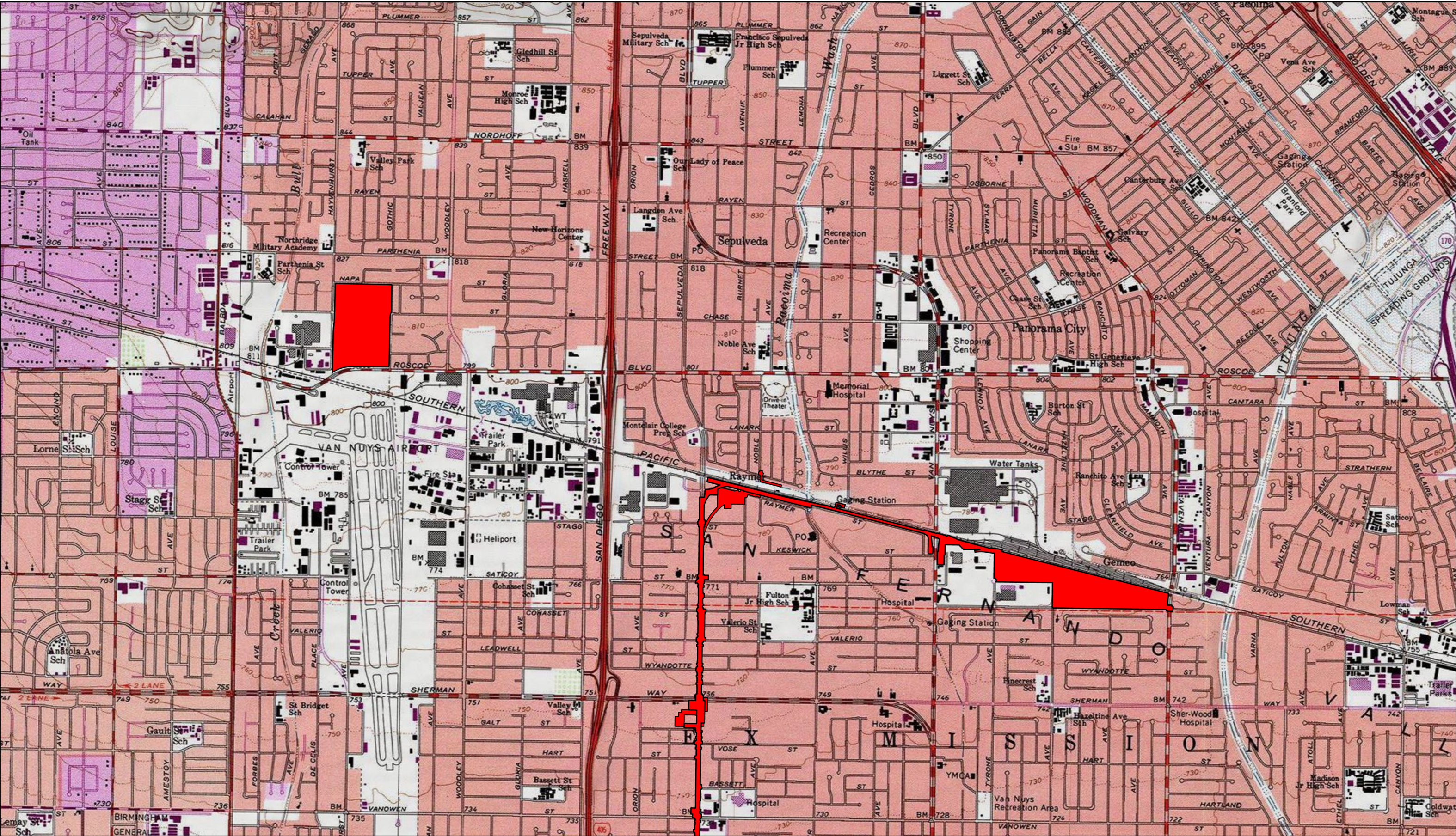


Figure 2a. Project Location
Sepulveda Transit Corridor Project
Alternatives 1 & 3
Contract No. AE67085000
Sheet 1 of 5

Van Nuys, Calif. USGS 7.5-minute quadrangle
T2N, R15W, Section 30, 32, 33, 34, 35; T1N, R15W, Section 3, 4, 5

Project Area
Map Area Represented
Extent of Topographic Maps

Oxnard Thousand Oaks Los Angeles Santa Monica Pomona

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

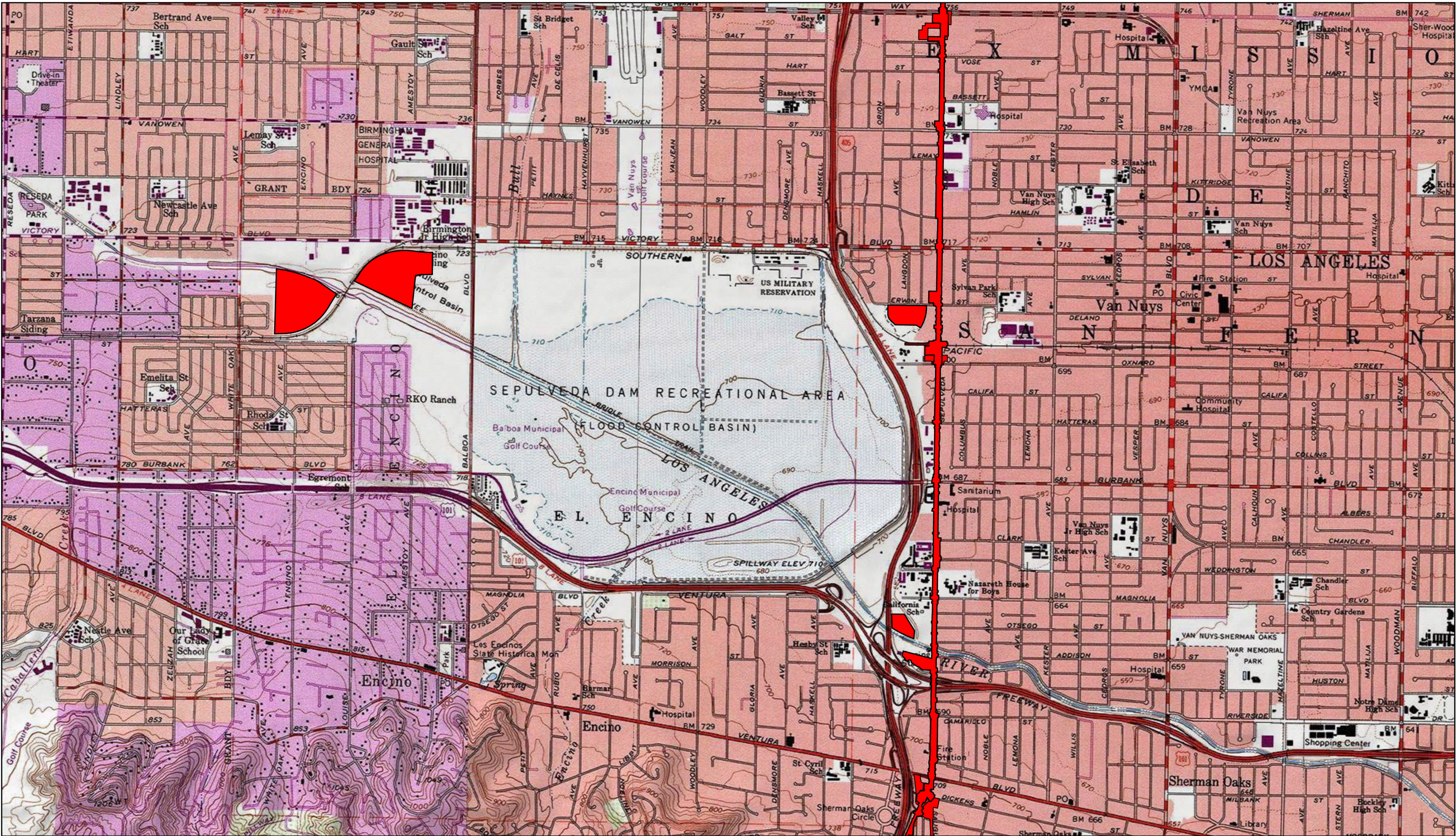
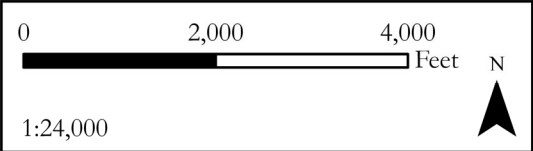


Figure 2a. Project Location
Sepulveda Transit Corridor Project
Alternatives 1 & 3
Contract No. AE67085000
Sheet 2 of 5

Canoga Park & Van Nuys, Calif. USGS 7.5-minute quadrangles
T1N, R15W; Section 3, 4, 5, 8, 9, 10, 15, 16, 17, 20, 21, 22; T1N, R16W; Section 12

Project Area
Map Area Represented
Extent of Topographic Maps



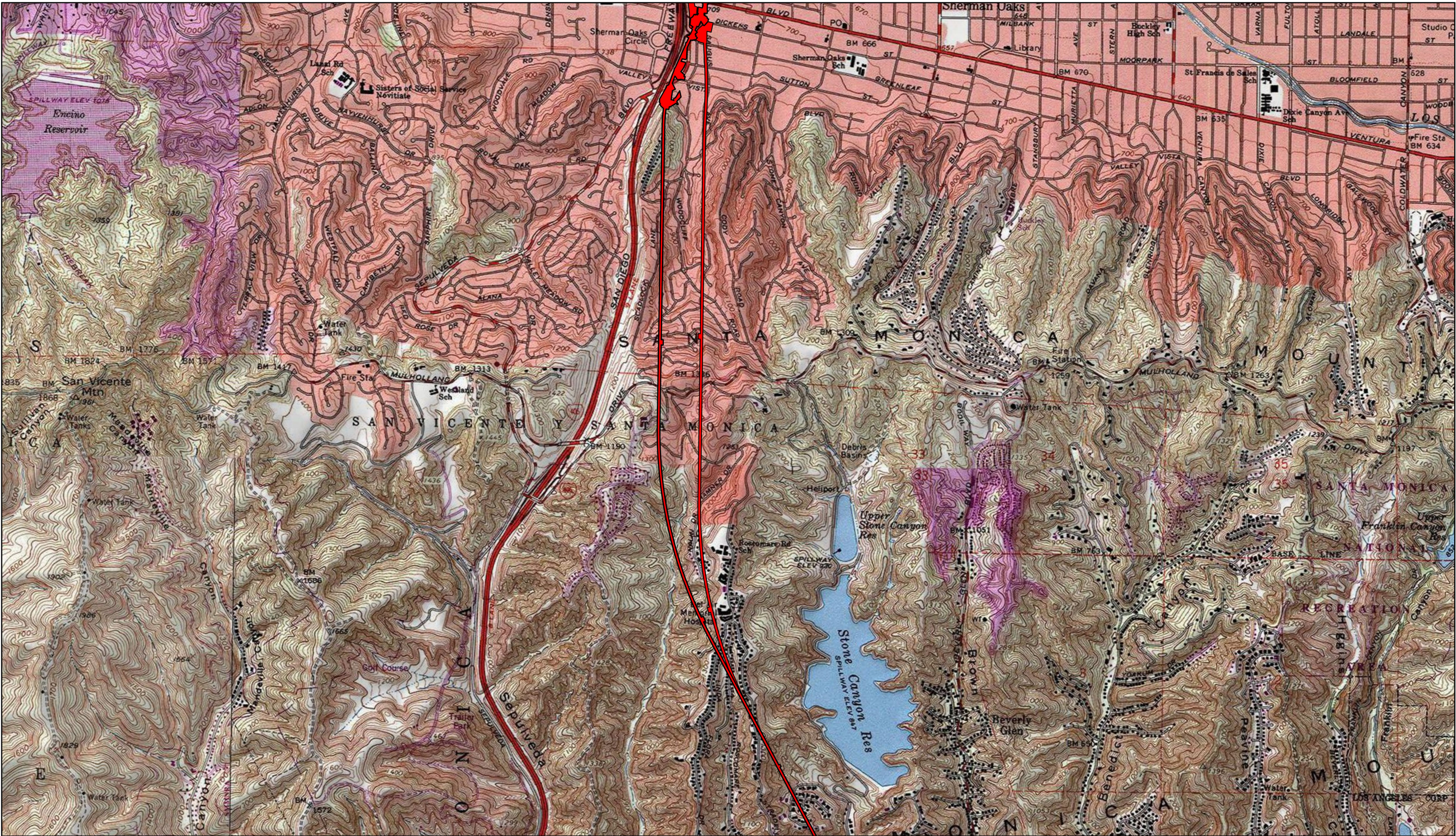
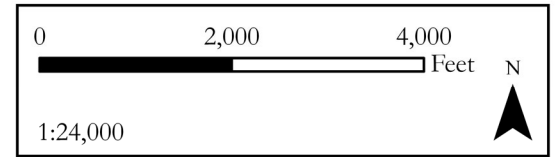
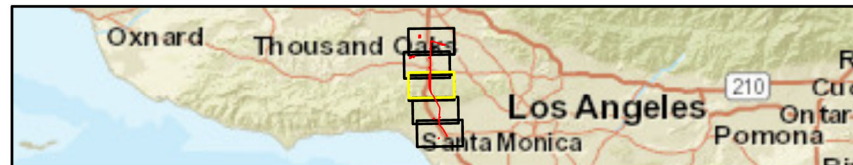


Figure 2a. Project Location
 Sepulveda Transit Corridor Project
 Alternatives 1 & 3
 Contract No. AE67085000
 Sheet 3 of 5

Van Nuys & Beverly Hills, Calif. USGS 7.5-minute quadrangles
 T1N, R15W, Section 20, 21, 22, 27, 28, 29, 32, 33; T1S, R15W, Section 3, 4, 5, 8, 9, 10

■ Project Area ■ Map Area Represented
 Extent of Topographic Maps



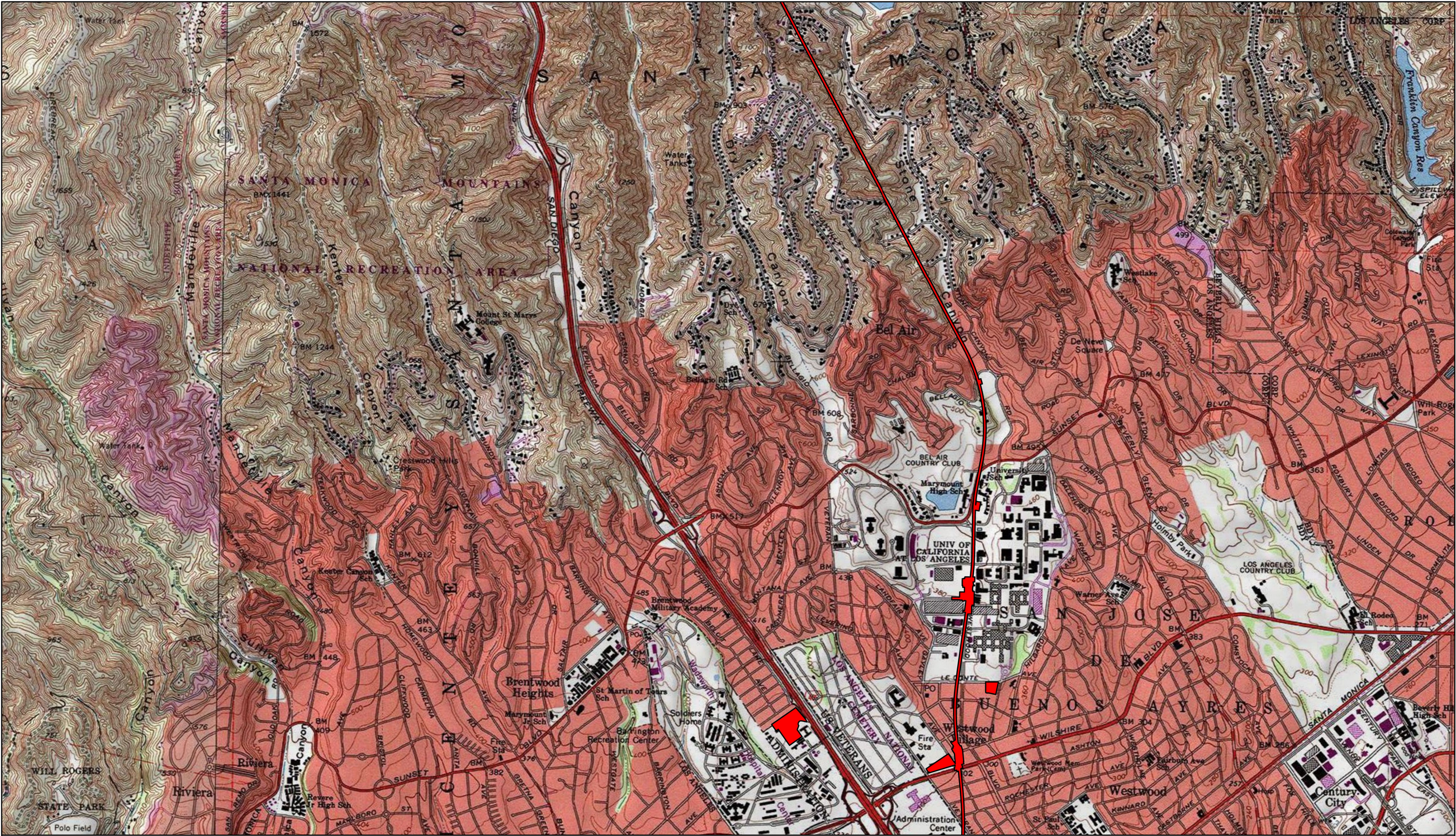
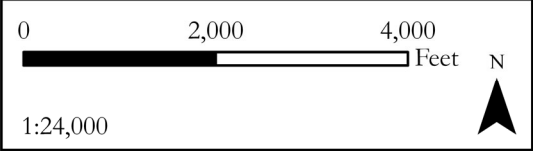


Figure 2a. Project Location
Sepulveda Transit Corridor Project
Alternatives 1 & 3
Contract No. AE67085000
Sheet 4 of 5

Beverly Hills, Calif. USGS 7.5-minute quadrangle
T1S, R15W, Section 8, 9, 10, 15, 16, 17, 20, 21, 22, 27, 28

 Project Area
 Map Area Represented
 Extent of Topographic Maps



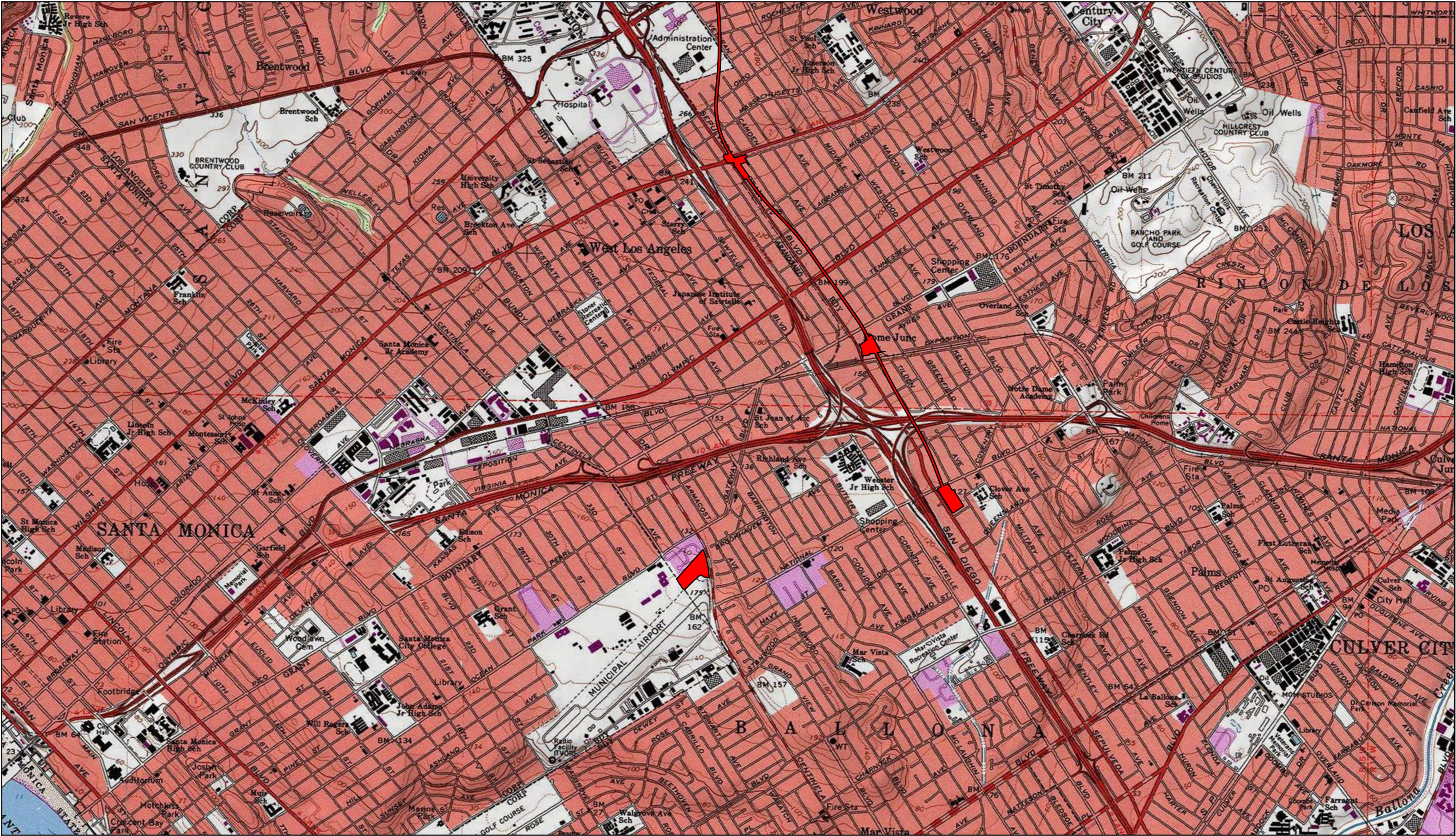
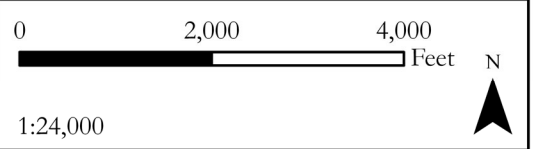


Figure 2a. Project Location

Sepulveda Transit Corridor Project
Alternatives 1 & 3
Contract No. AE67085000
Sheet 5 of 5

Beverly Hills, Calif. USGS 7.5-minute quadrangle
T1S, R15W, Section 27, 28, 33, 34, 35; T2S, R15W, Section 2, 3, 4

Project Area
Map Area Represented
Extent of Topographic Maps



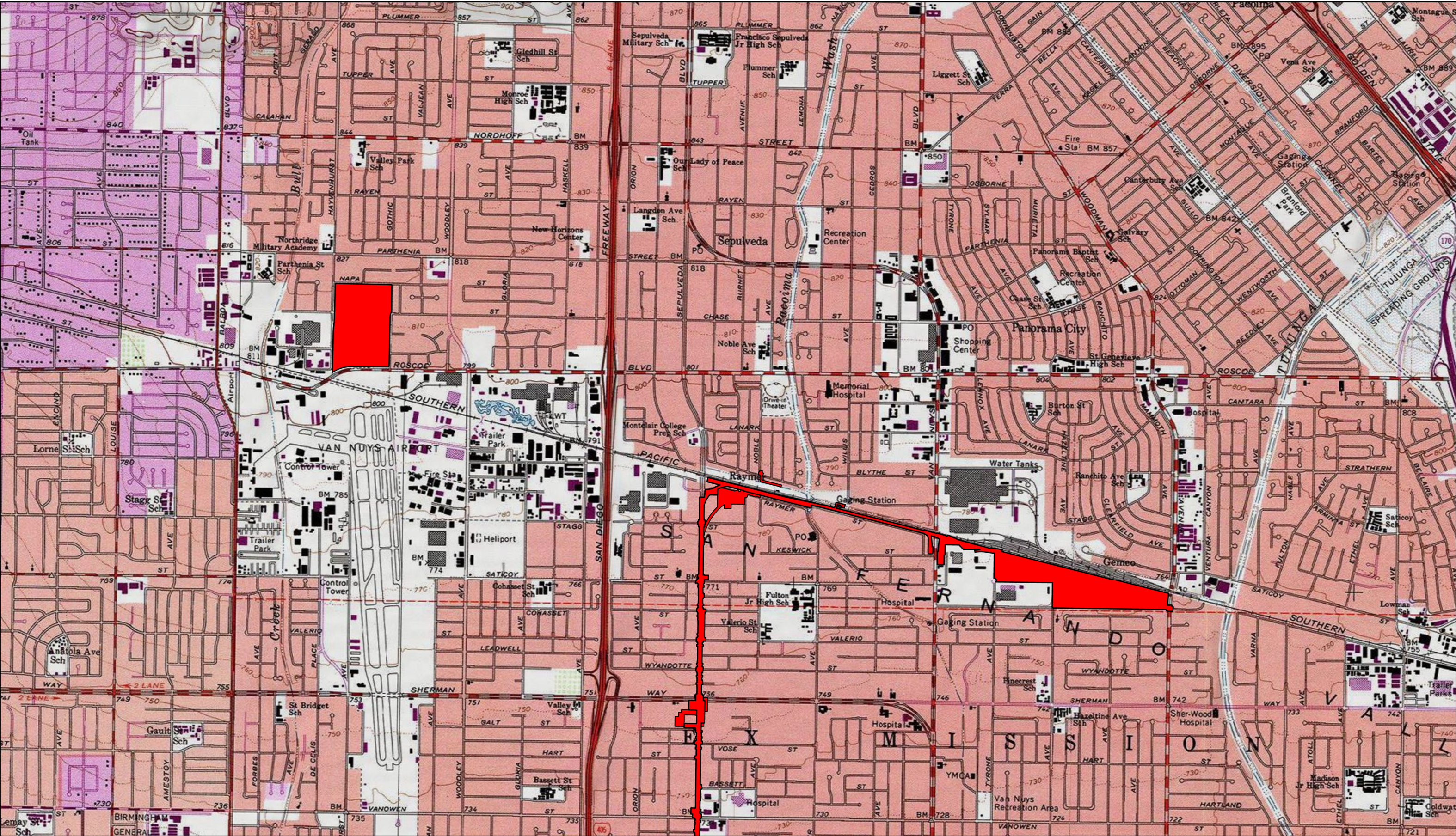


Figure 2b. Project Location
Sepulveda Transit Corridor Project
Alternatives 4 & 5
Contract No. AE67085000
Sheet 1 of 5

Van Nuys, Calif. USGS 7.5-minute quadrangle
T2N, R15W, Section 30, 32, 33, 34, 35; T1N, R15W, Section 3, 4, 5

Project Area
Map Area Represented
Extent of Topographic Maps

Oxnard Thousand Oaks Los Angeles Santa Monica Pomona

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

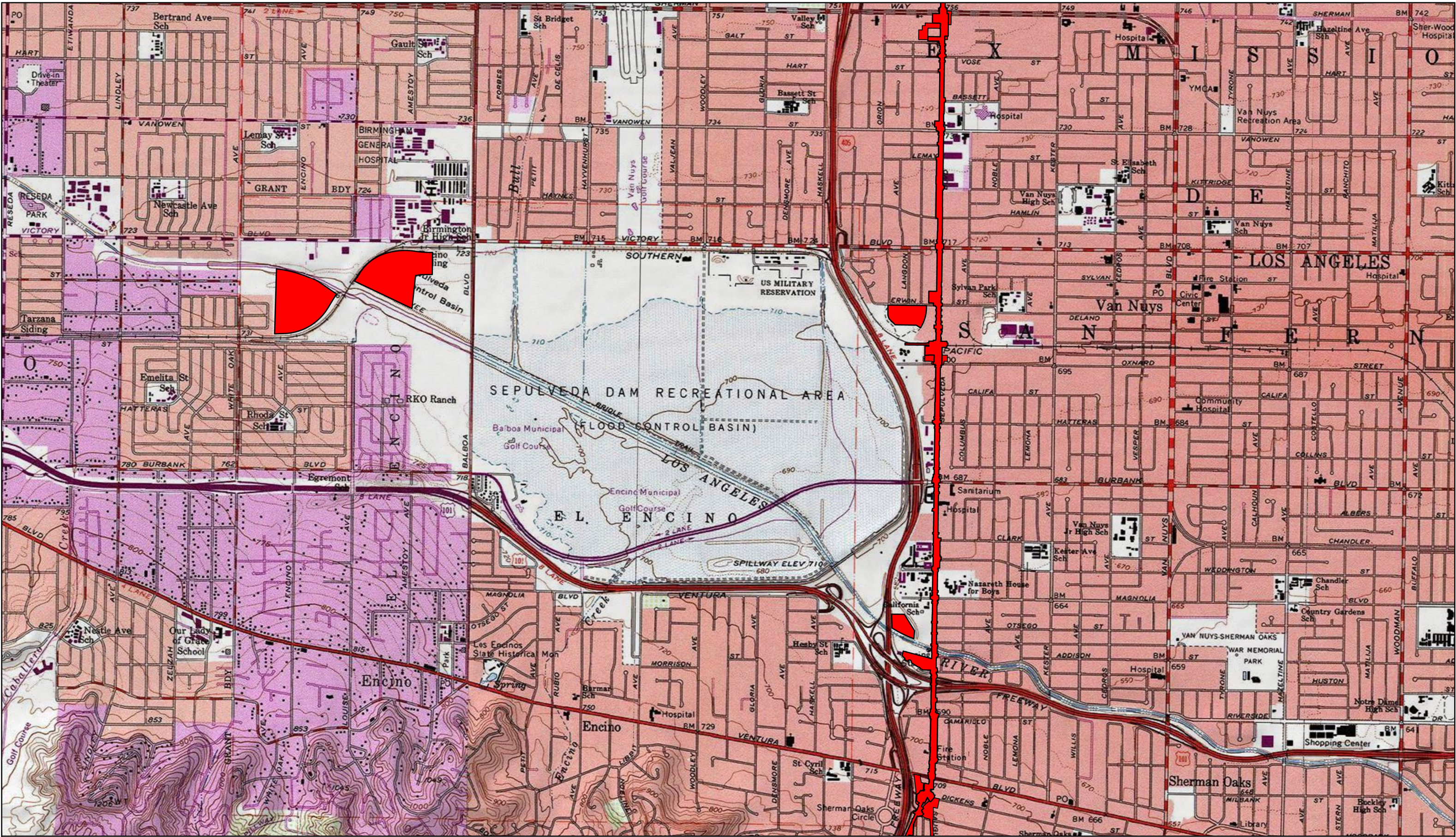
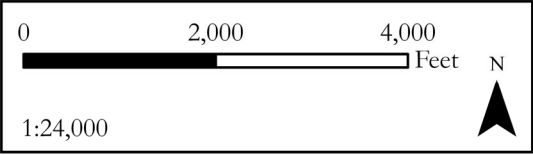
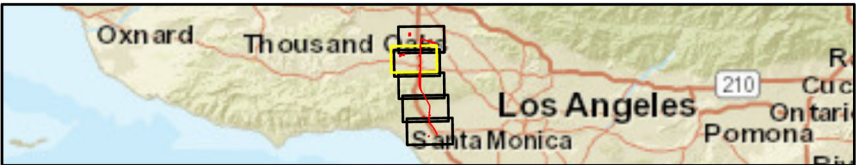


Figure 2b. Project Location
Sepulveda Transit Corridor Project
Alternatives 4 & 5
Contract No. AE67085000
Sheet 2 of 5

Canoga Park & Van Nuys, Calif. USGS 7.5-minute quadrangles
T1N, R15W; Section 3, 4, 5, 8, 9, 10, 15, 16, 17, 20, 21, 22; T1N, R16W; Section 12

Project Area
Map Area Represented
Extent of Topographic Maps



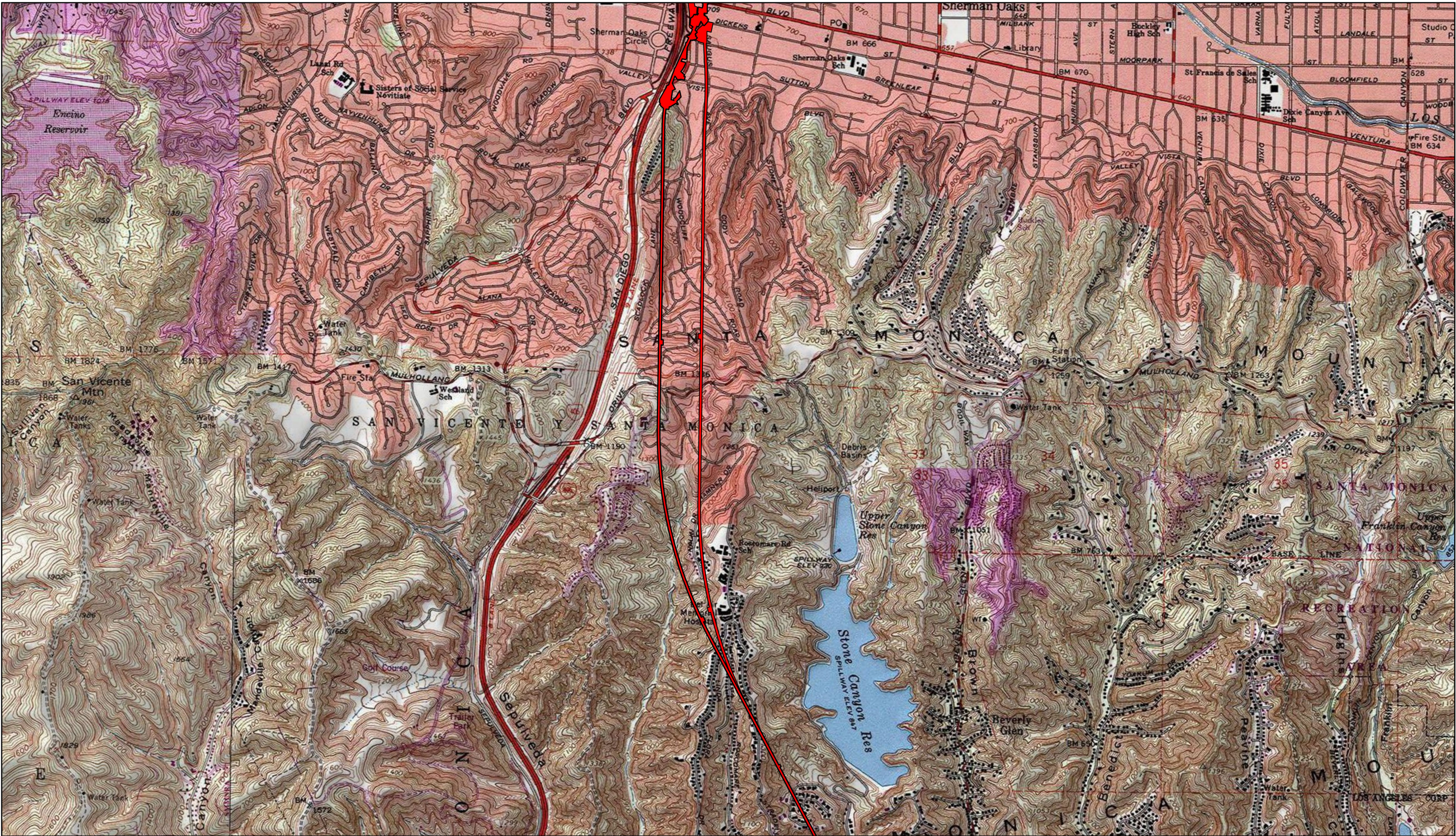
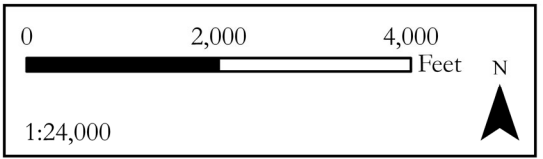


Figure 2b. Project Location
Sepulveda Transit Corridor Project
Alternatives 4 & 5
Contract No. AE67085000
Sheet 3 of 5

Van Nuys & Beverly Hills, Calif. USGS 7.5-minute quadrangles
T1N, R15W, Section 20, 21, 22, 27, 28, 29, 32, 33; T1S, R15W, Section 3, 4, 5, 8, 9, 10

- Project Area
- Map Area Represented
- Extent of Topographic Maps



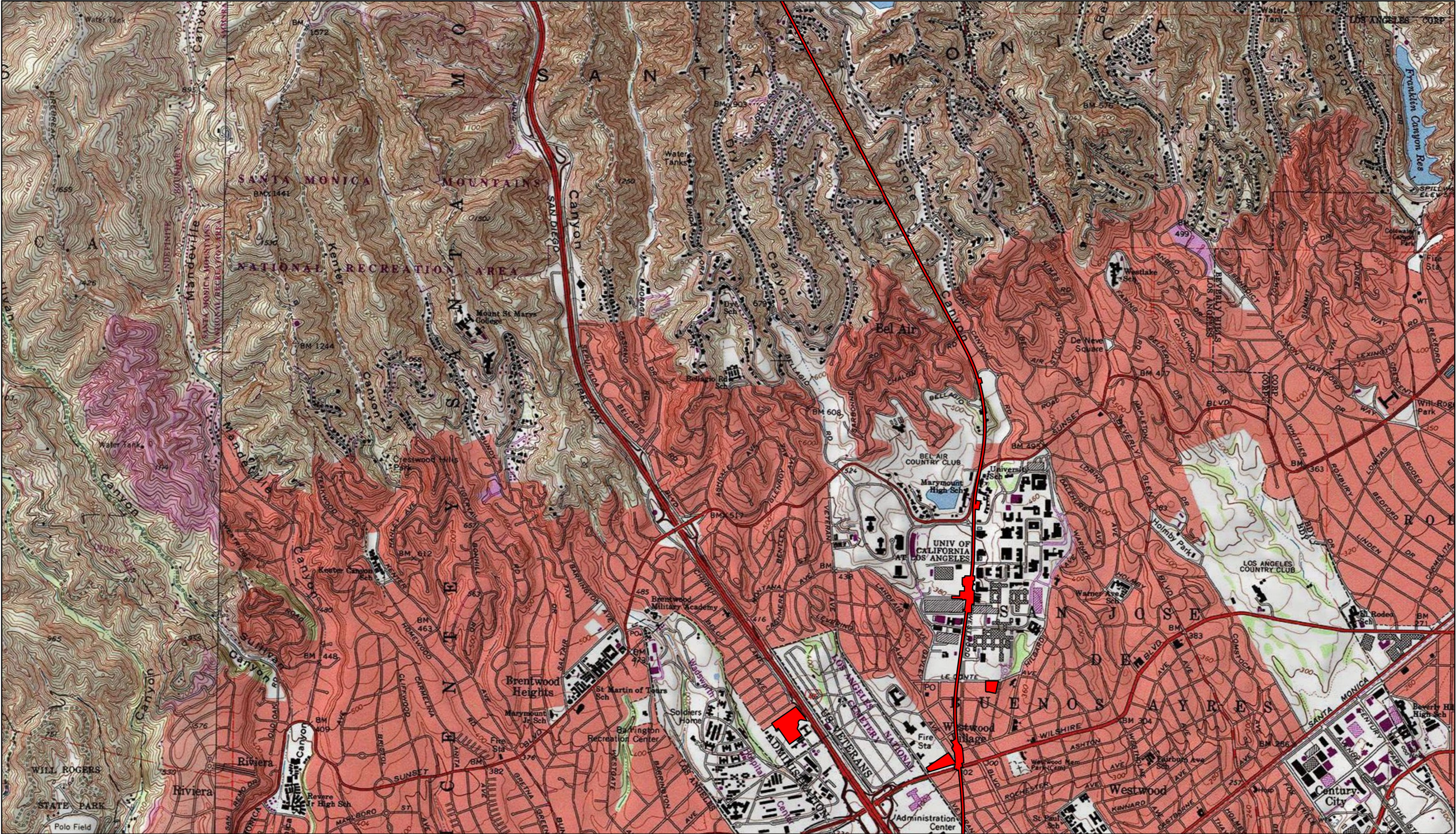
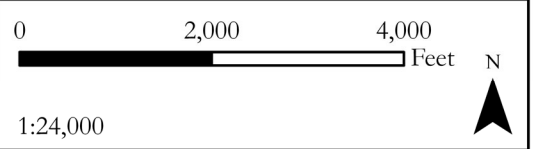
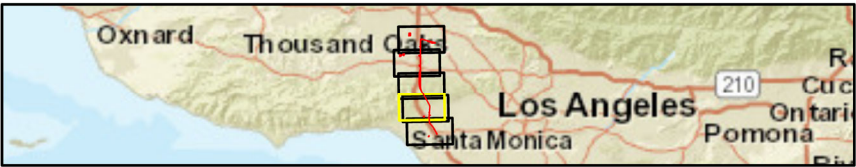


Figure 2b. Project Location

Sepulveda Transit Corridor Project
Alternatives 4 & 5
Contract No. AE67085000
Sheet 4 of 5

Beverly Hills, Calif. USGS 7.5-minute quadrangle
T1S, R15W, Section 8, 9, 10, 15, 16, 17, 20, 21, 22, 27, 28

- Project Area
- Map Area Represented
- Extent of Topographic Maps



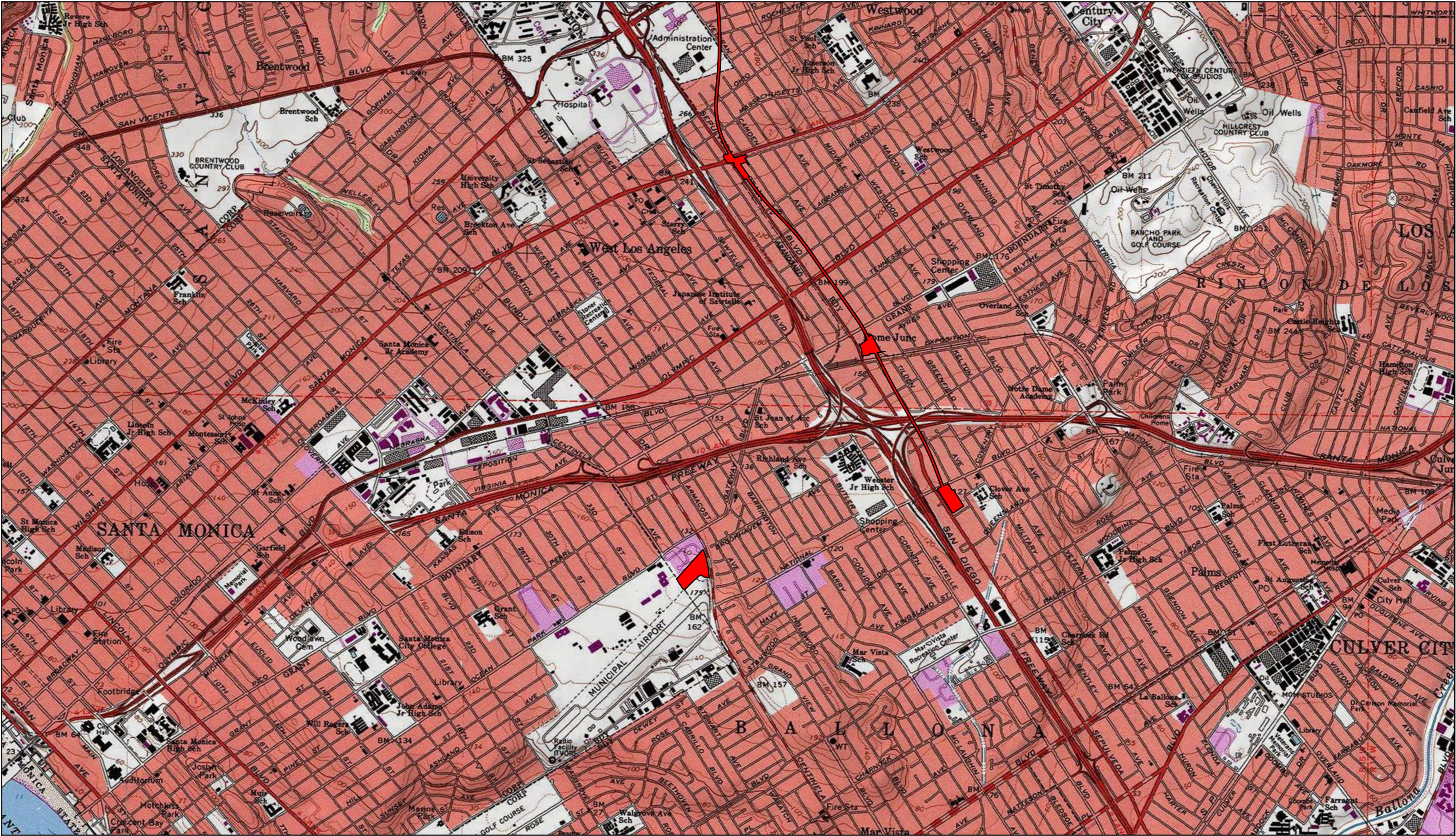
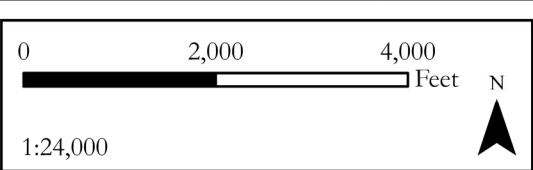


Figure 2b. Project Location
Sepulveda Transit Corridor Project
Alternatives 4 & 5
Contract No. AE67085000
Sheet 5 of 5

Beverly Hills, Calif. USGS 7.5-minute quadrangle
T1S, R15W, Section 27, 28, 33, 34, 35; T2S, R15W, Section 2, 3, 4

Project Area
Map Area Represented
Extent of Topographic Maps



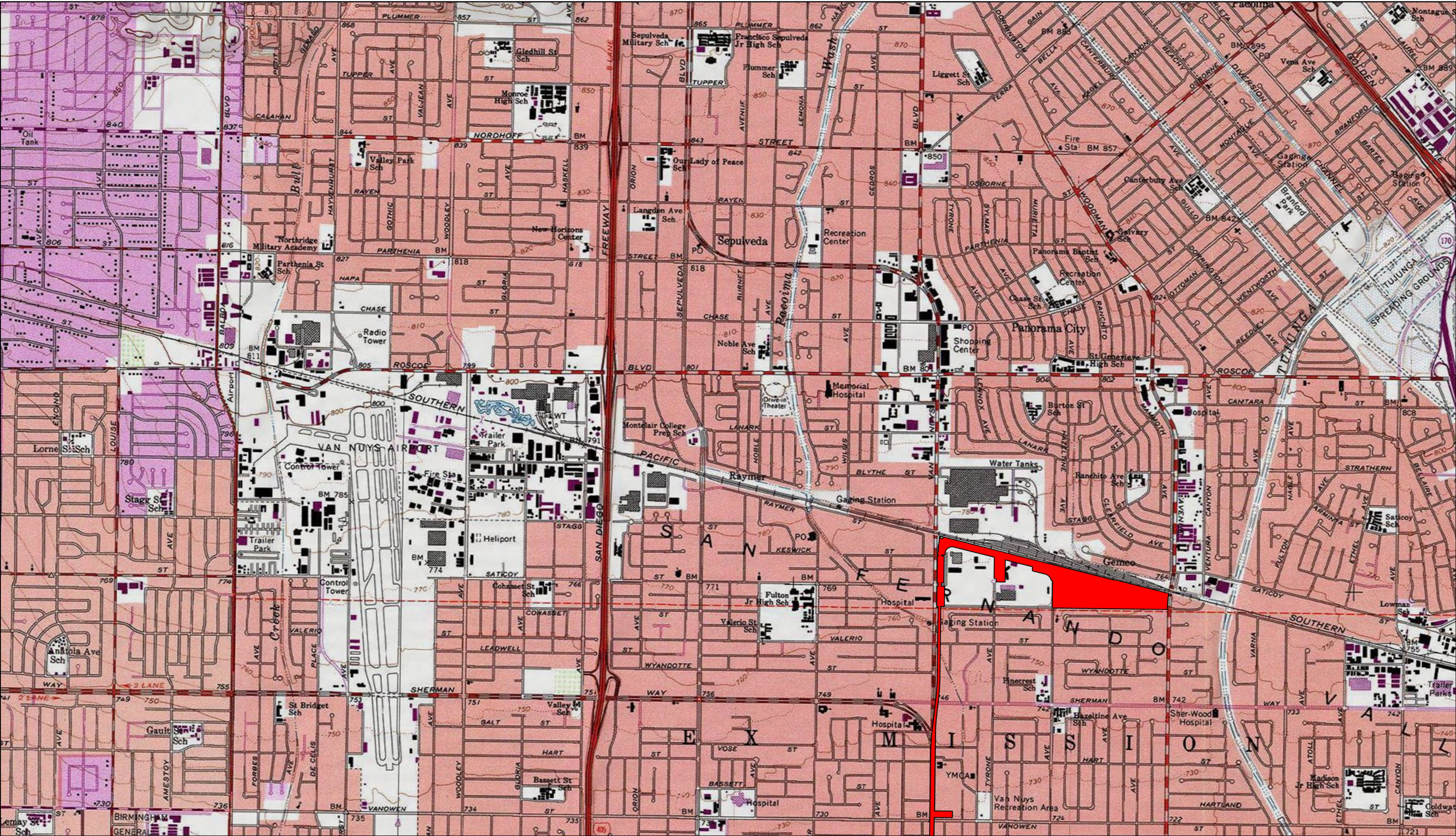
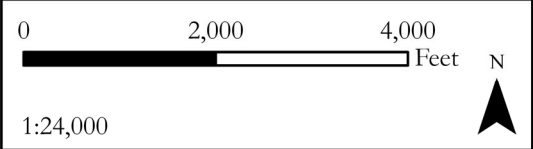


Figure 2c. Project Location
Sepulveda Transit Corridor Project
Alternative 6
Contract No. AE67085000
Sheet 1 of 5

Van Nuys, Calif. USGS 7.5-minute quadrangle
T2N, R15W, Section 30, 32, 33, 34, 35; T1N, R15W, Section 3, 4, 5

 Project Area	 Map Area Represented
	 Extent of Topographic Maps



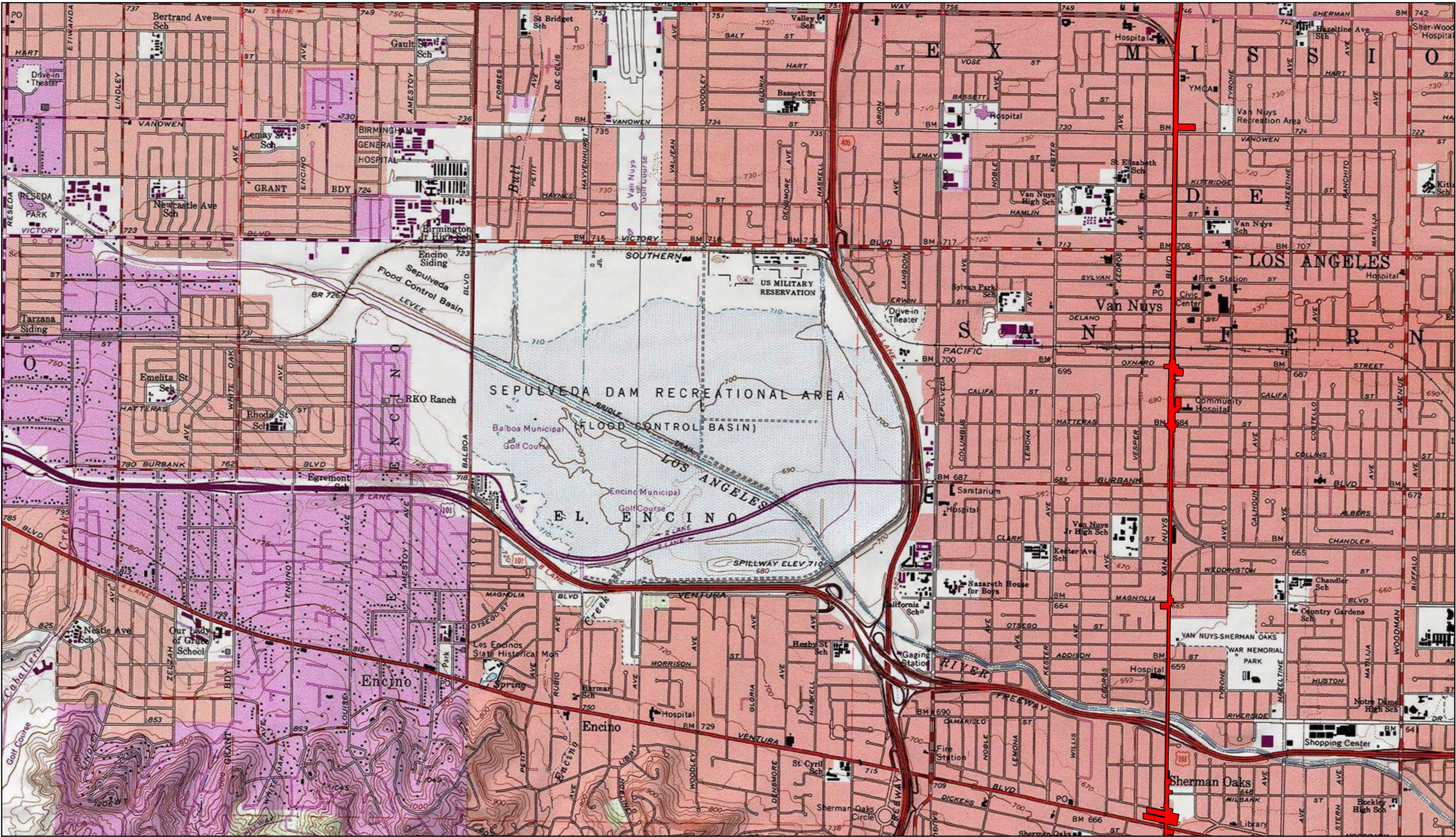
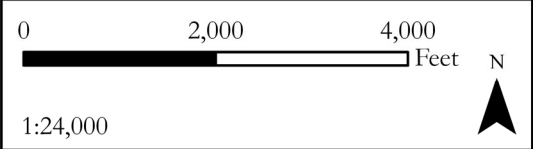
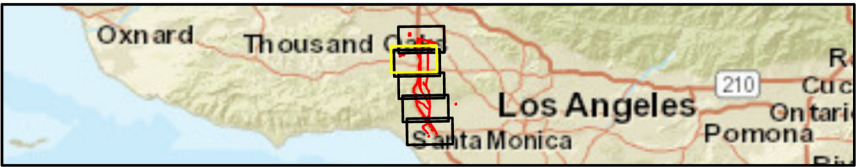


Figure 2c. Project Location

Sepulveda Transit Corridor Project
Alternative 6
Contract No. AE67085000
Sheet 2 of 5

Canoga Park & Van Nuys, Calif. USGS 7.5-minute quadrangles
T1N, R15W; Section 3, 4, 5, 8, 9, 10, 15, 16, 17, 20, 21, 22; T1N, R16W; Section 12

 Project Area	 Map Area Represented
	 Extent of Topographic Maps



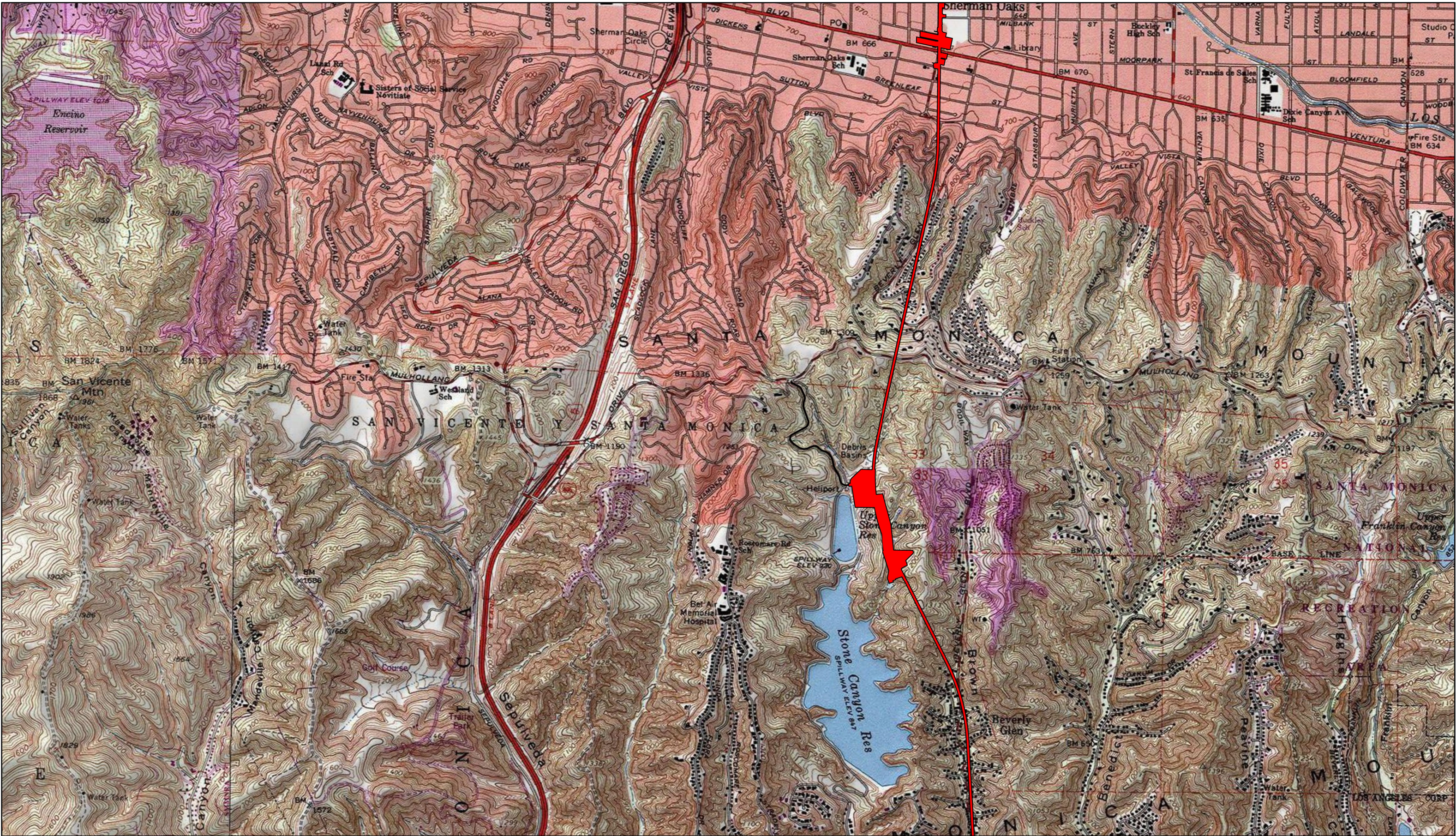
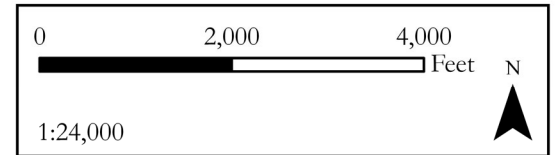
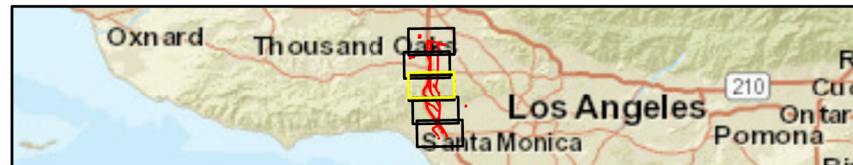


Figure 2c. Project Location
Sepulveda Transit Corridor Project
Alternative 6
Contract No. AE67085000
Sheet 3 of 5

Van Nuys & Beverly Hills, Calif. USGS 7.5-minute quadrangles
T1N, R15W, Section 20, 21, 22, 27, 28, 29, 32, 33; T1S, R15W, Section 3, 4, 5, 8, 9, 10

 Project Area
 Map Area Represented
 Extent of Topographic Maps



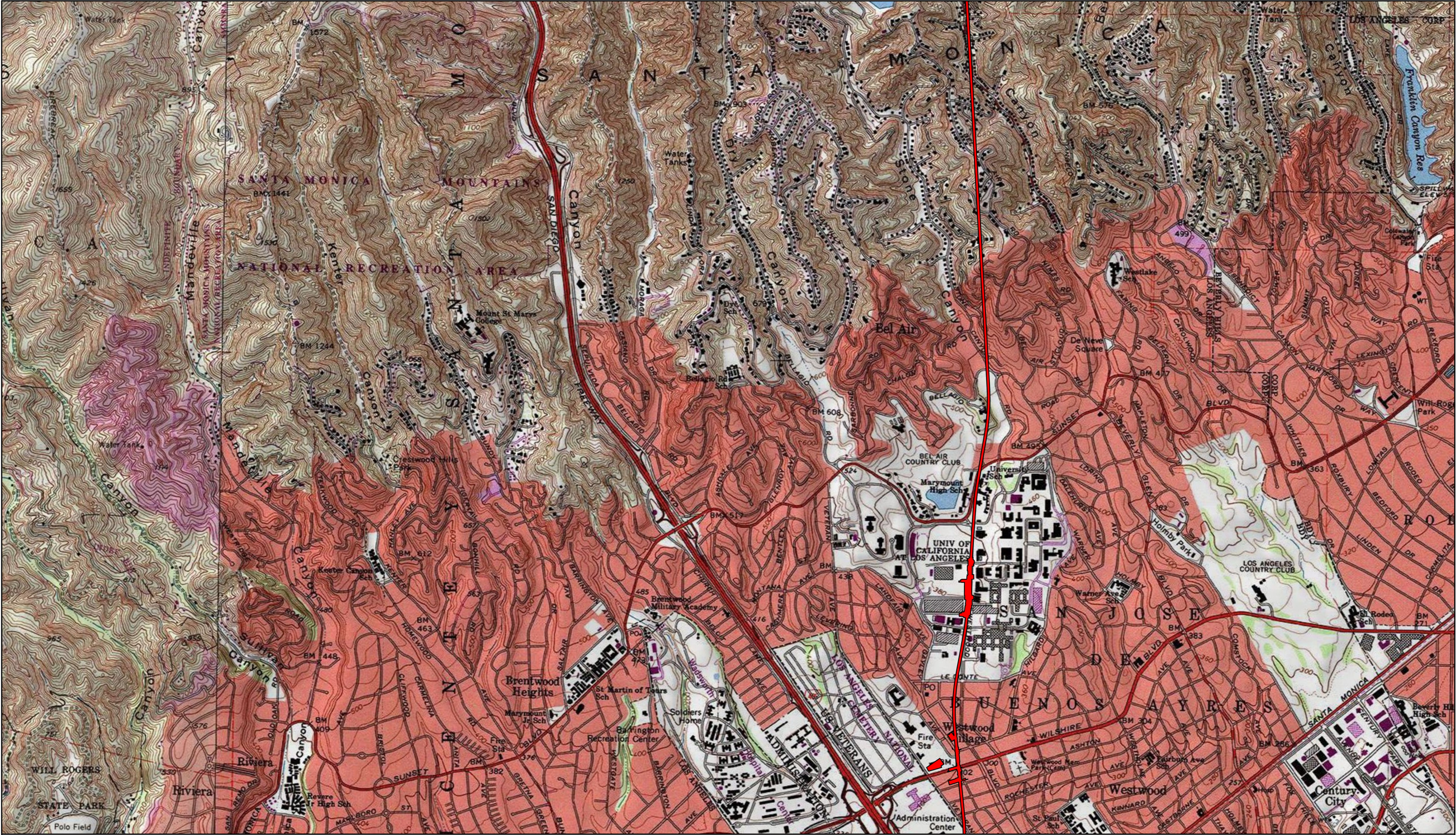
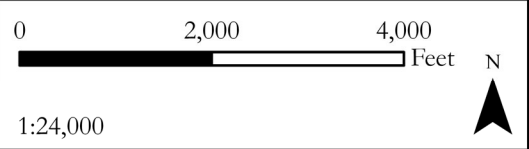


Figure 2c. Project Location

Sepulveda Transit Corridor Project
Alternative 6
Contract No. AE67085000
Sheet 4 of 5

Beverly Hills, Calif. USGS 7.5-minute quadrangle
T1S, R15W, Section 8, 9, 10, 15, 16, 17, 20, 21, 22, 27, 28

Project Area
Map Area Represented
Extent of Topographic Maps



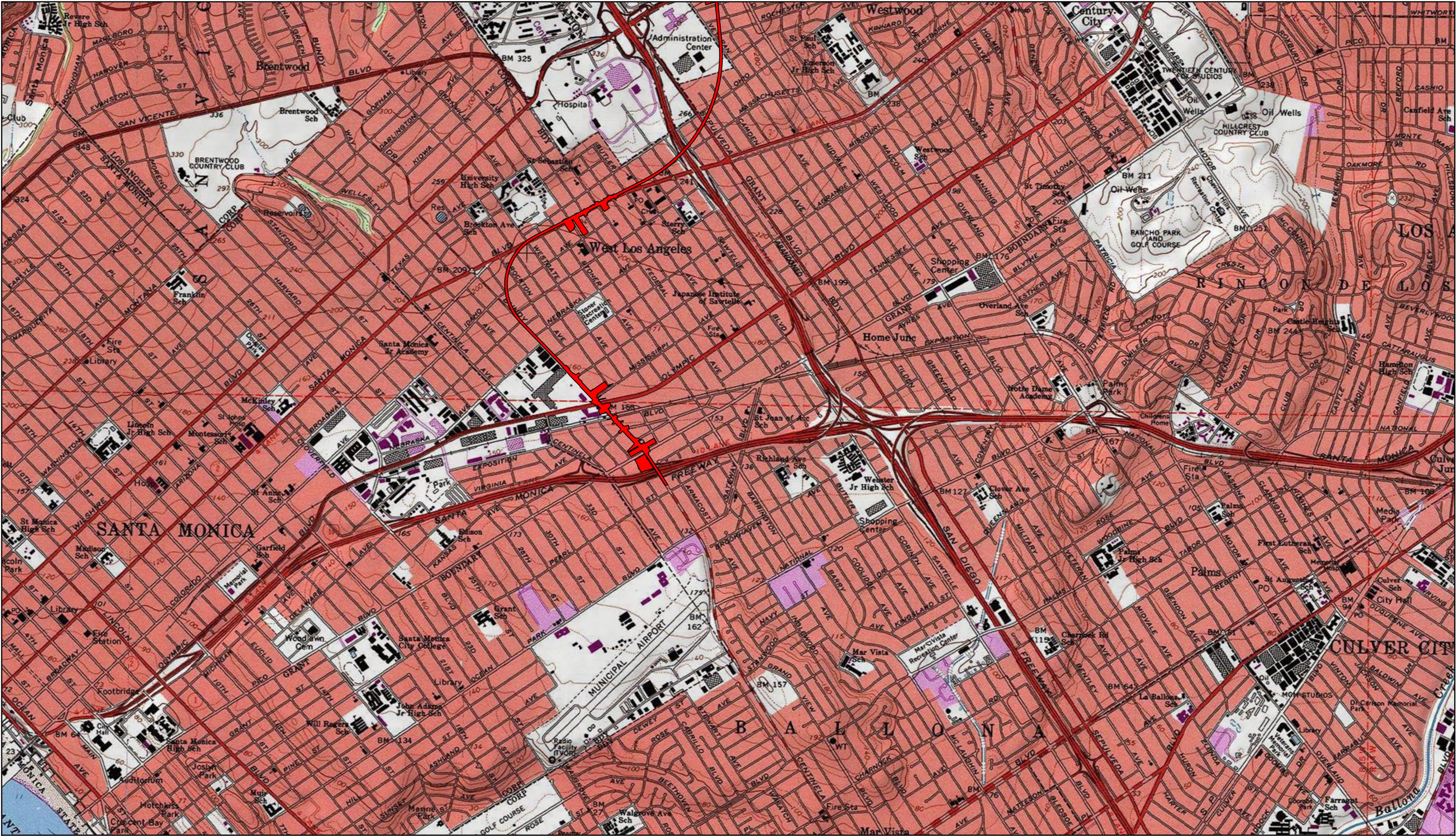
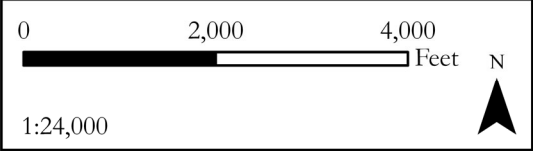


Figure 2c. Project Location
Sepulveda Transit Corridor Project
Alternative 6
Contract No. AE67085000
Sheet 5 of 5

Beverly Hills, Calif. USGS 7.5-minute quadrangle
T1S, R15W, Section 27, 28, 33, 34, 35; T2S, R15W, Section 2, 3, 4

 Project Area
 Map Area Represented
 Extent of Topographic Maps



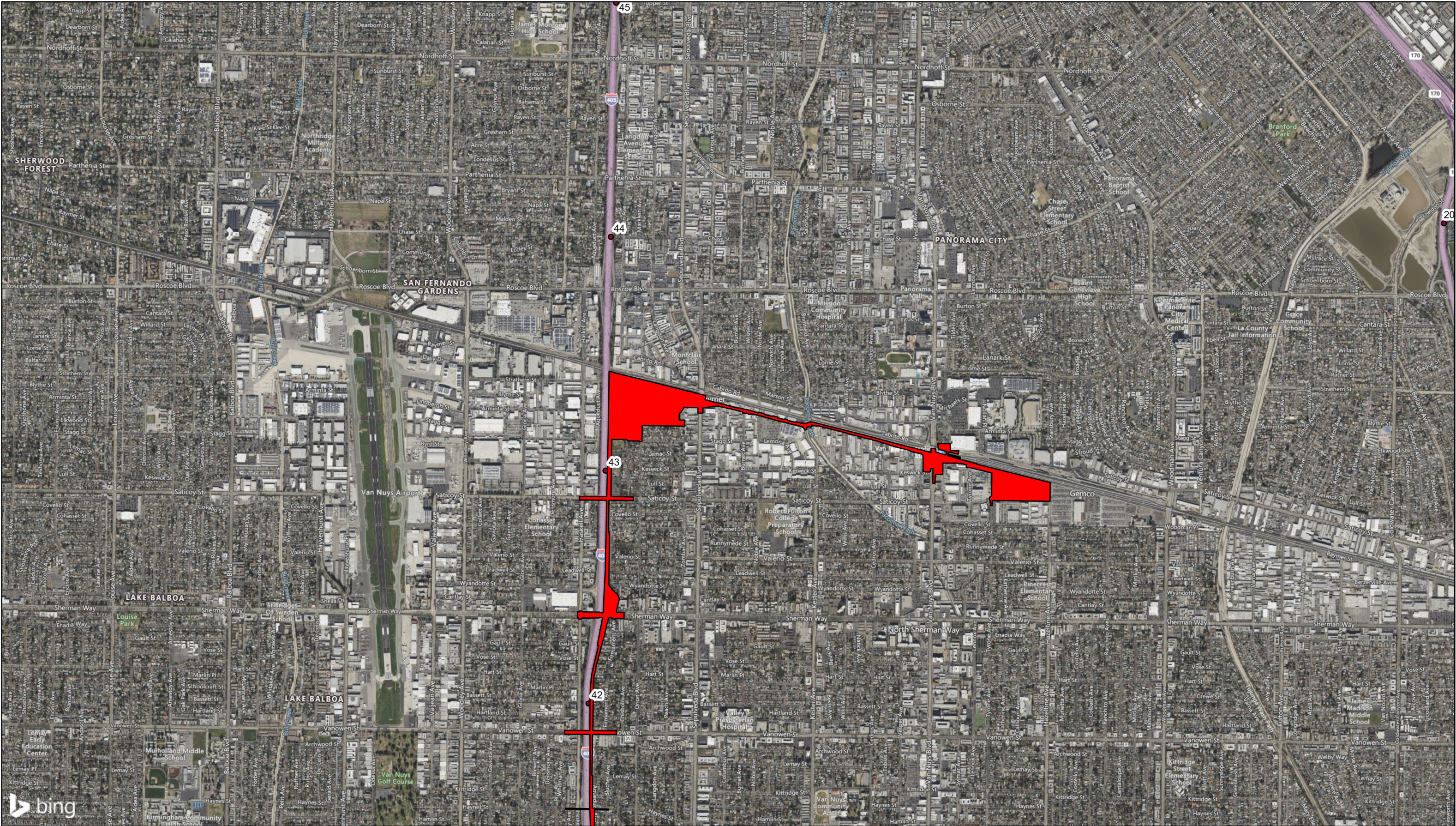


Figure 3a. Project Aerial Photo
Sepulveda Transit Corridor Project Alternatives 1 & 3
Contract No. AE67085000
Sheet 1 of 5

Legend:
Project Area (Red)
Map Area Represented (Yellow)
Extent of Aerial Photo (White)

Scale: 0 1,000 2,000 Feet
1:24,000

Map Area Represented: Thousand Oaks, Los Angeles, El Monte, West Covina, Santa Monica

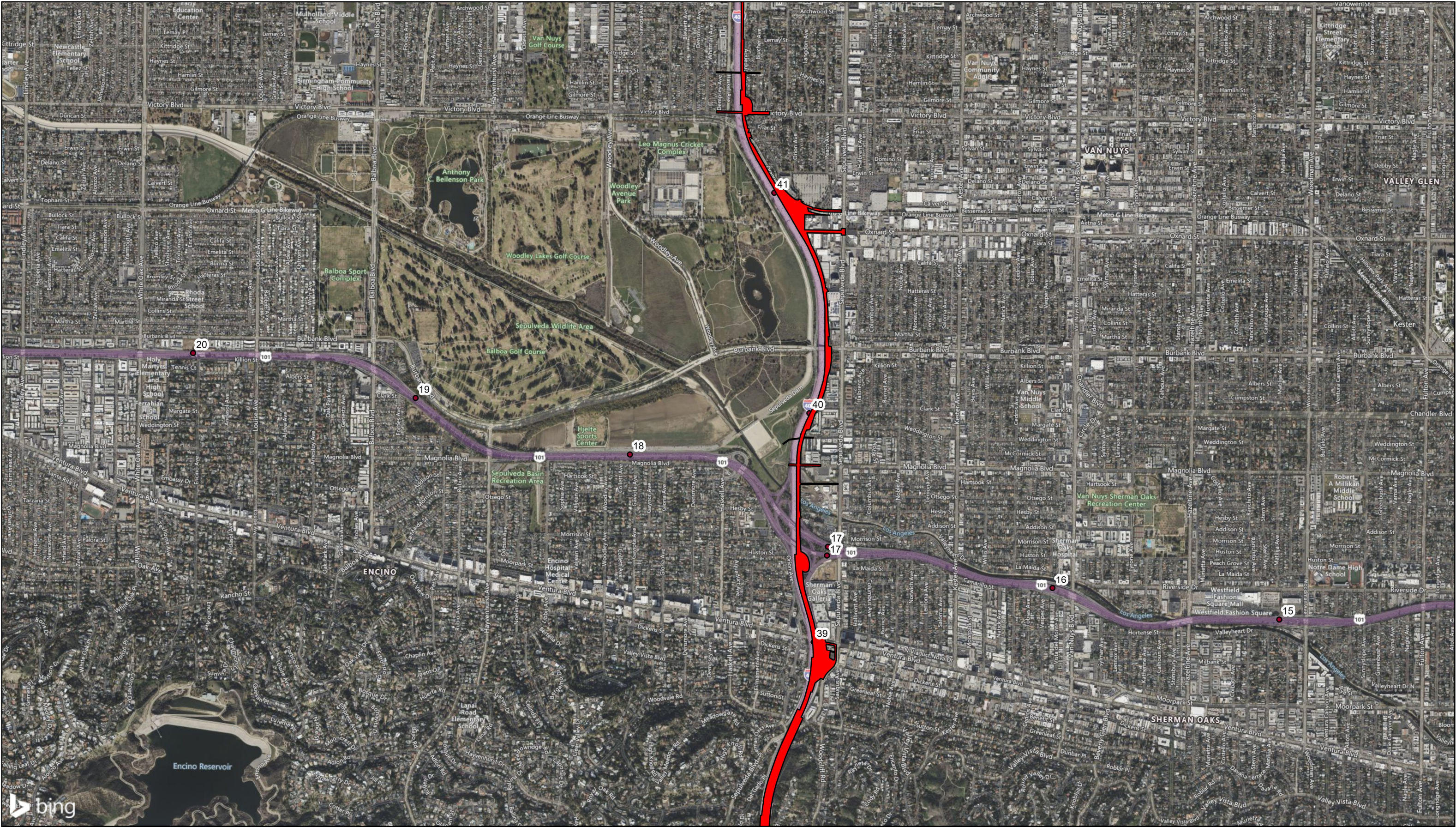
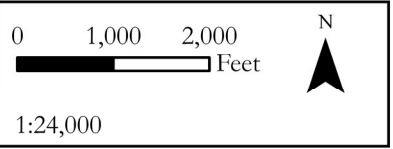
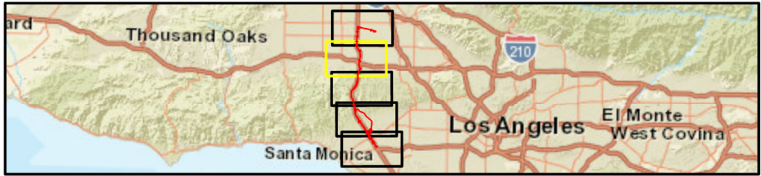


Figure 3a. Project Aerial Photo
Sepulveda Transit Corridor Project Alternatives 1 & 3
Contract No. AE67085000
Sheet 2 of 5

 Project Area
 Map Area Represented
 Extent of Aerial Photo



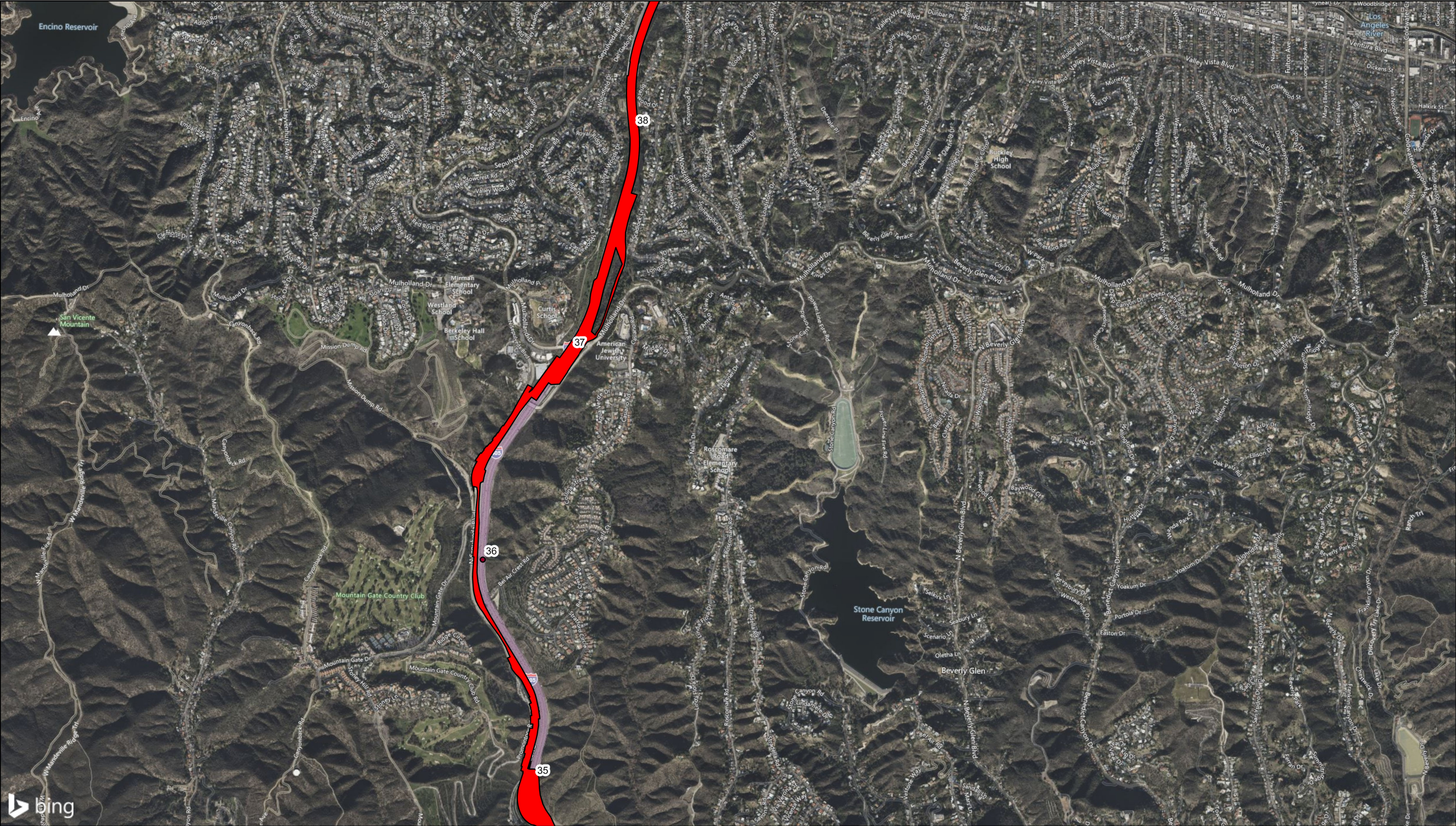
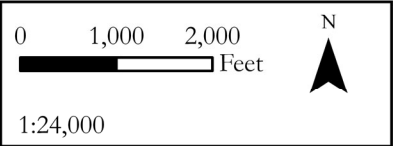
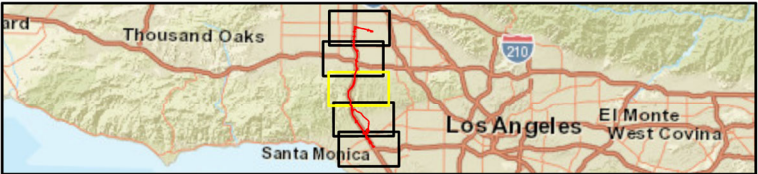


Figure 3a. Project Aerial Photo

Sepulveda Transit Corridor Project Alternatives 1 & 3
Contract No. AE67085000
Sheet 3 of 5

- Project Area
- Map Area Represented
- Extent of Aerial Photo



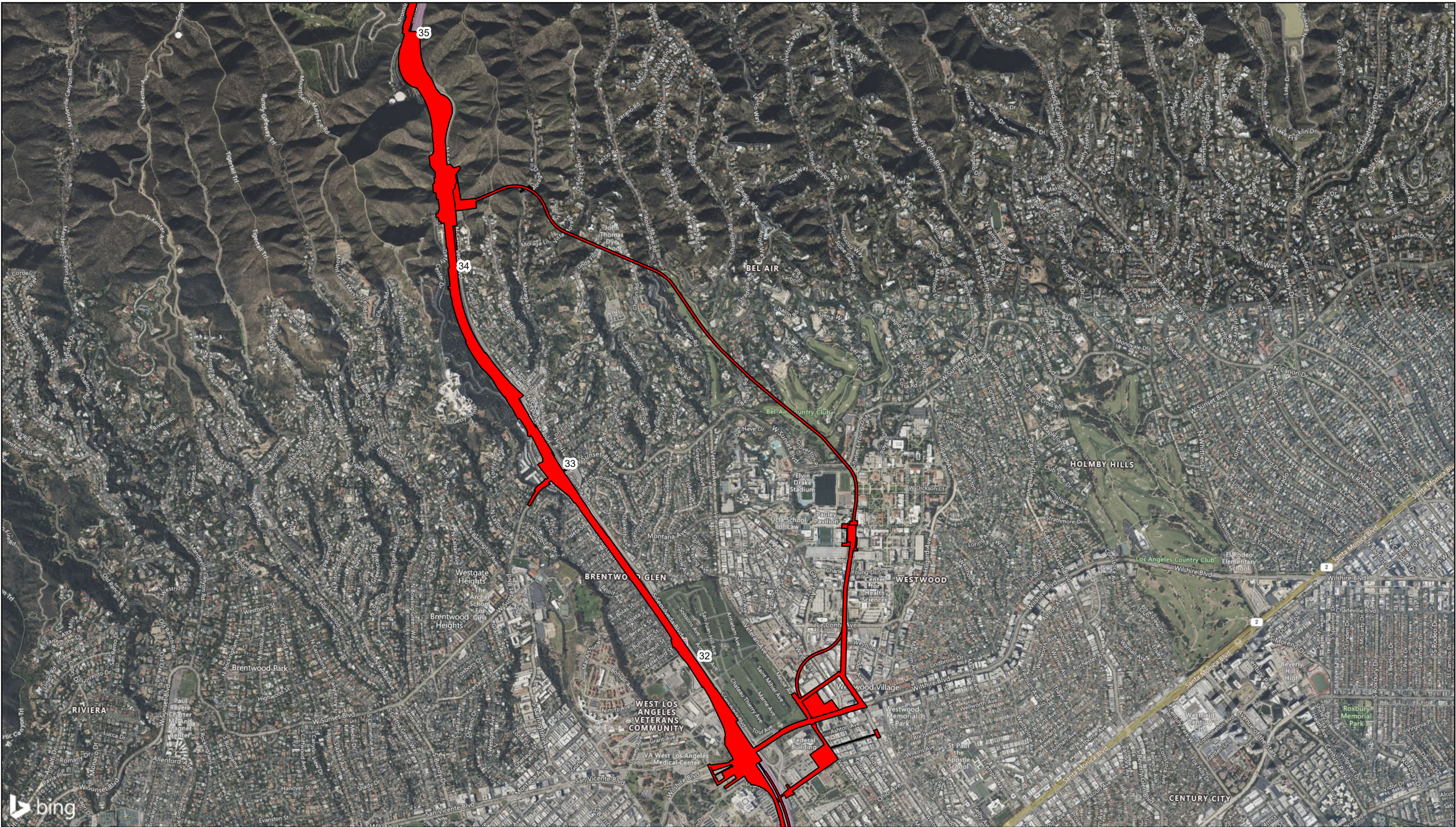


Figure 3a. Project Aerial Photo
Sepulveda Transit Corridor Project Alternatives 1 & 3
Contract No. AE67085000
Sheet 4 of 5

 Project Area
 Map Area Represented
 Extent of Aerial Photo

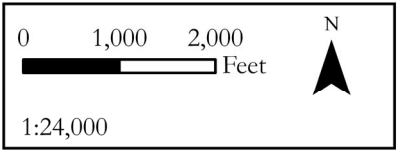
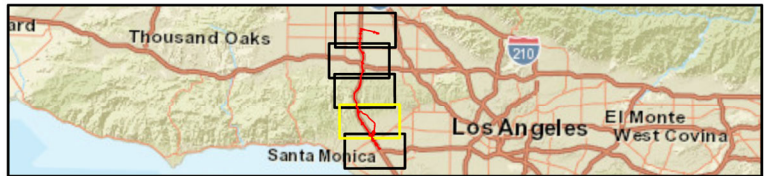
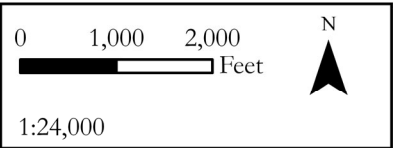
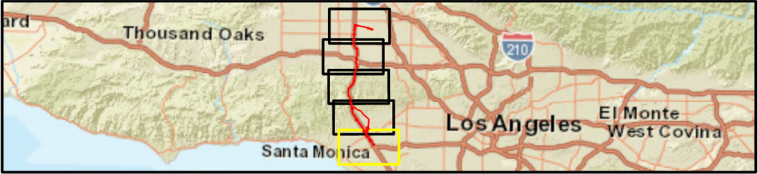




Figure 3a. Project Aerial Photo
Sepulveda Transit Corridor Project Alternatives 1 & 3
Contract No. AE67085000
Sheet 5 of 5

 Project Area	 Map Area Represented
	 Extent of Aerial Photo



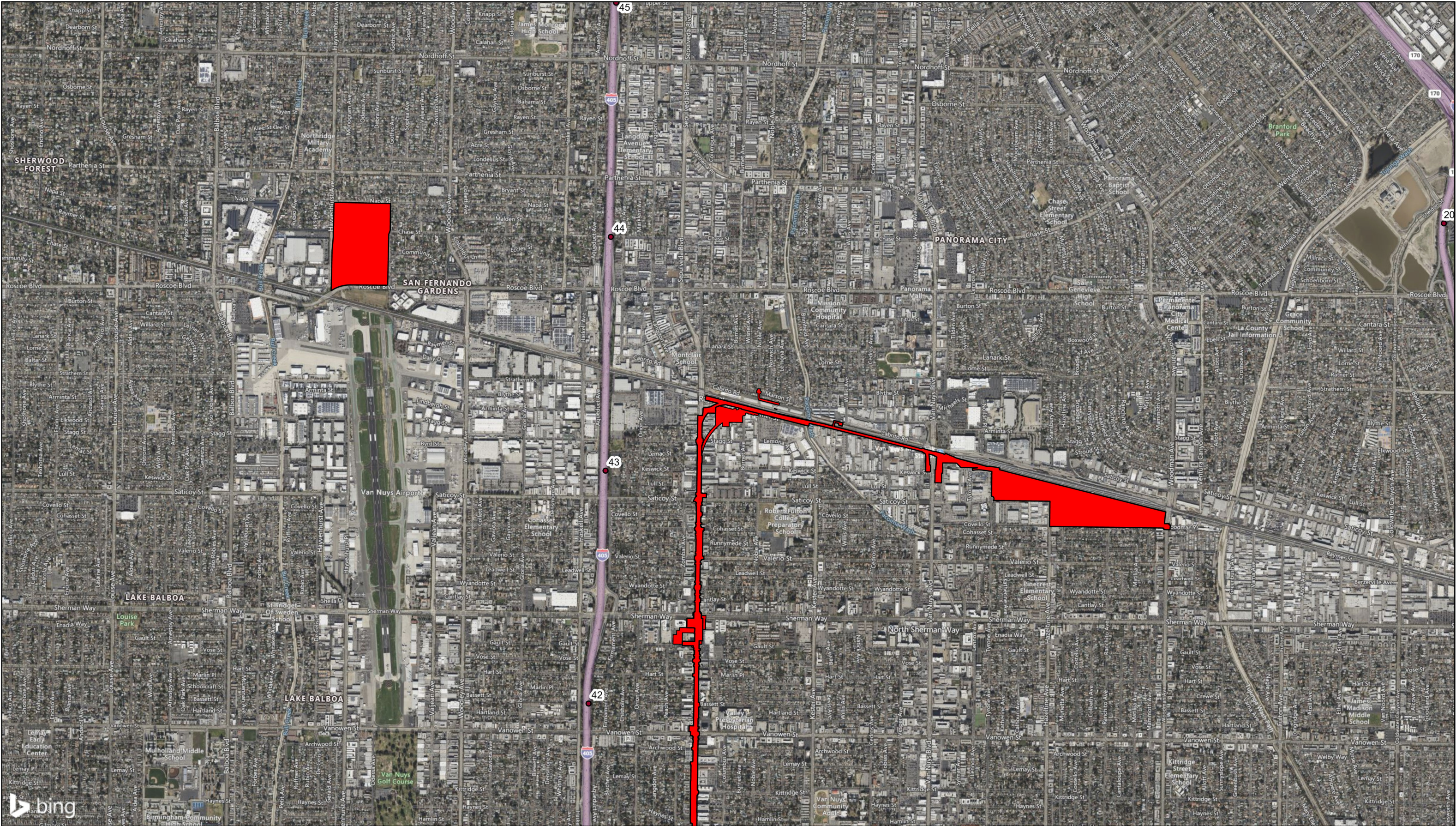


Figure 3b. Project Aerial Photo
Sepulveda Transit Corridor Project Alternatives 4 & 5
Contract No. AE67085000
Sheet 1 of 5



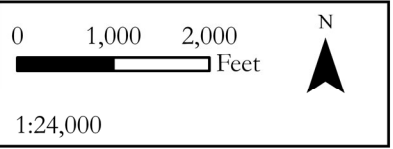
Project Area



Map Area Represented



Extent of Aerial Photo



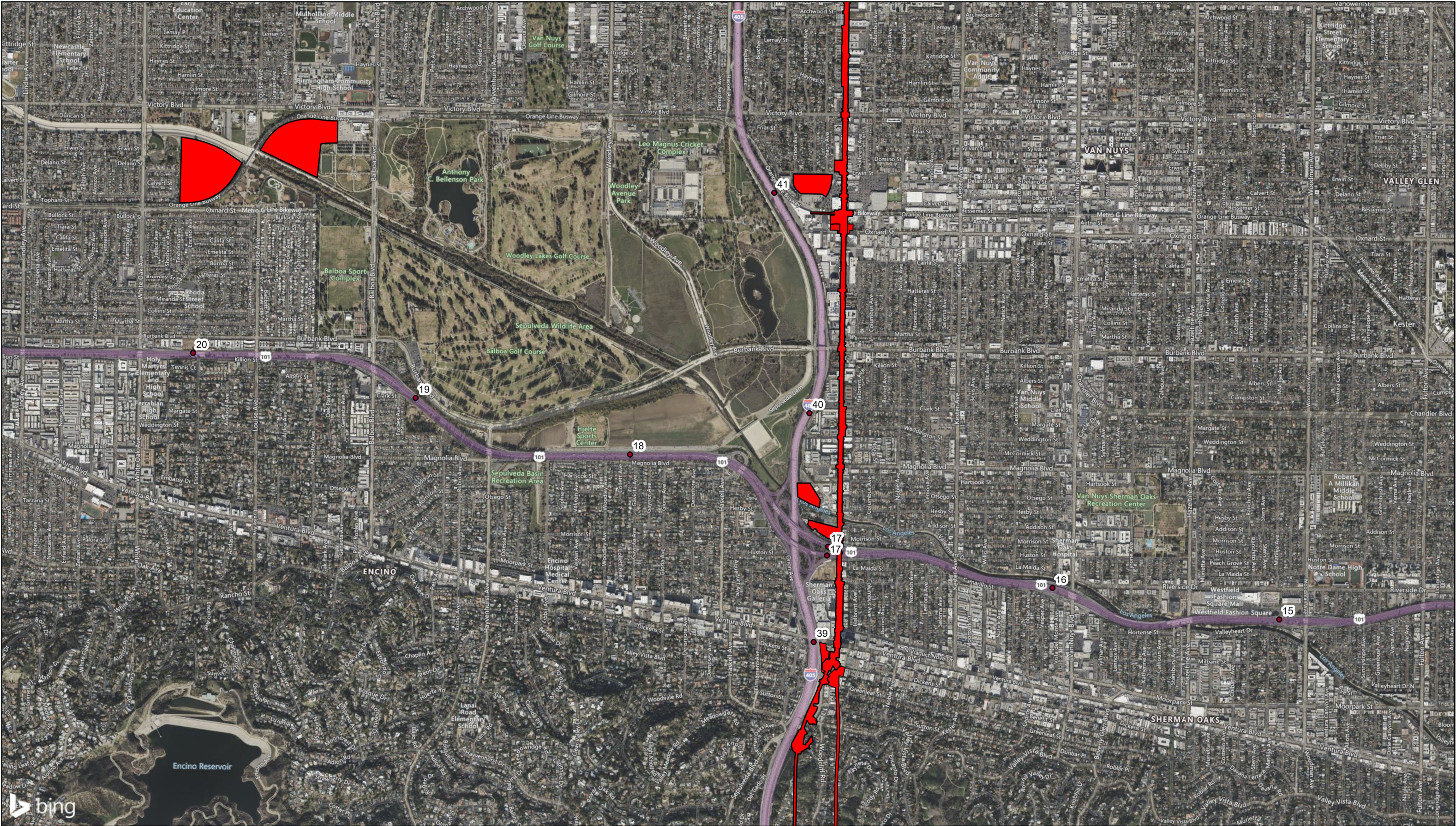


Figure 3b. Project Aerial Photo
Sepulveda Transit Corridor Project Alternatives 4 & 5
Contract No. AE67085000
Sheet 2 of 5

Project Area
Map Area Represented
Extent of Aerial Photo

0 1,000 2,000 Feet
1:24,000

Simi Valley
Oxnard
Thousand Oaks
Los Angeles
Cucamonga
Ontario
Pomona
Riverside

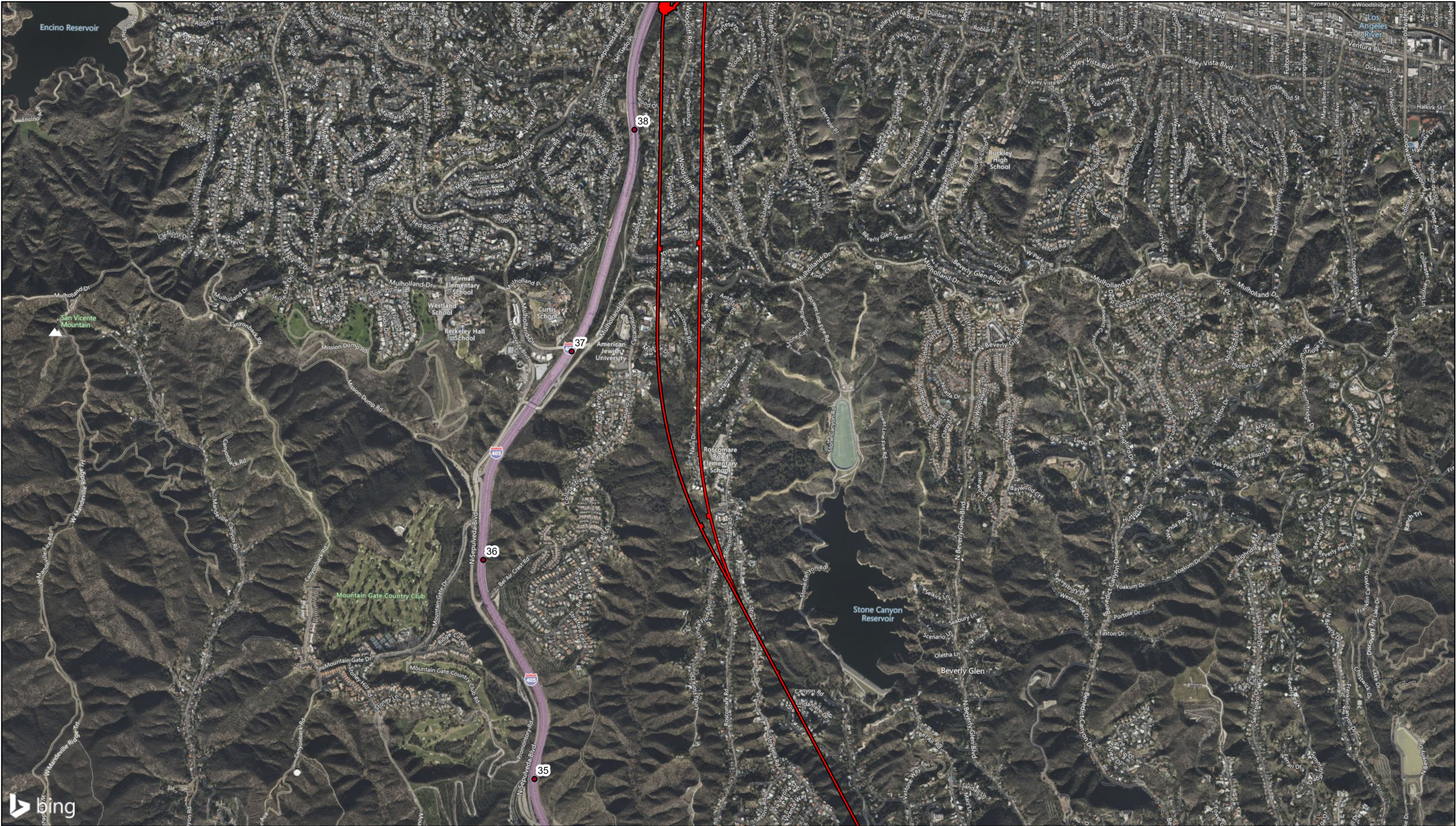


Figure 3b. Project Aerial Photo
Sepulveda Transit Corridor Project Alternatives 4 & 5
Contract No. AE67085000
Sheet 3 of 5

 Project Area

 Map Area Represented

 Extent of Aerial Photo



0 1,000 2,000 Feet
1:24,000

N

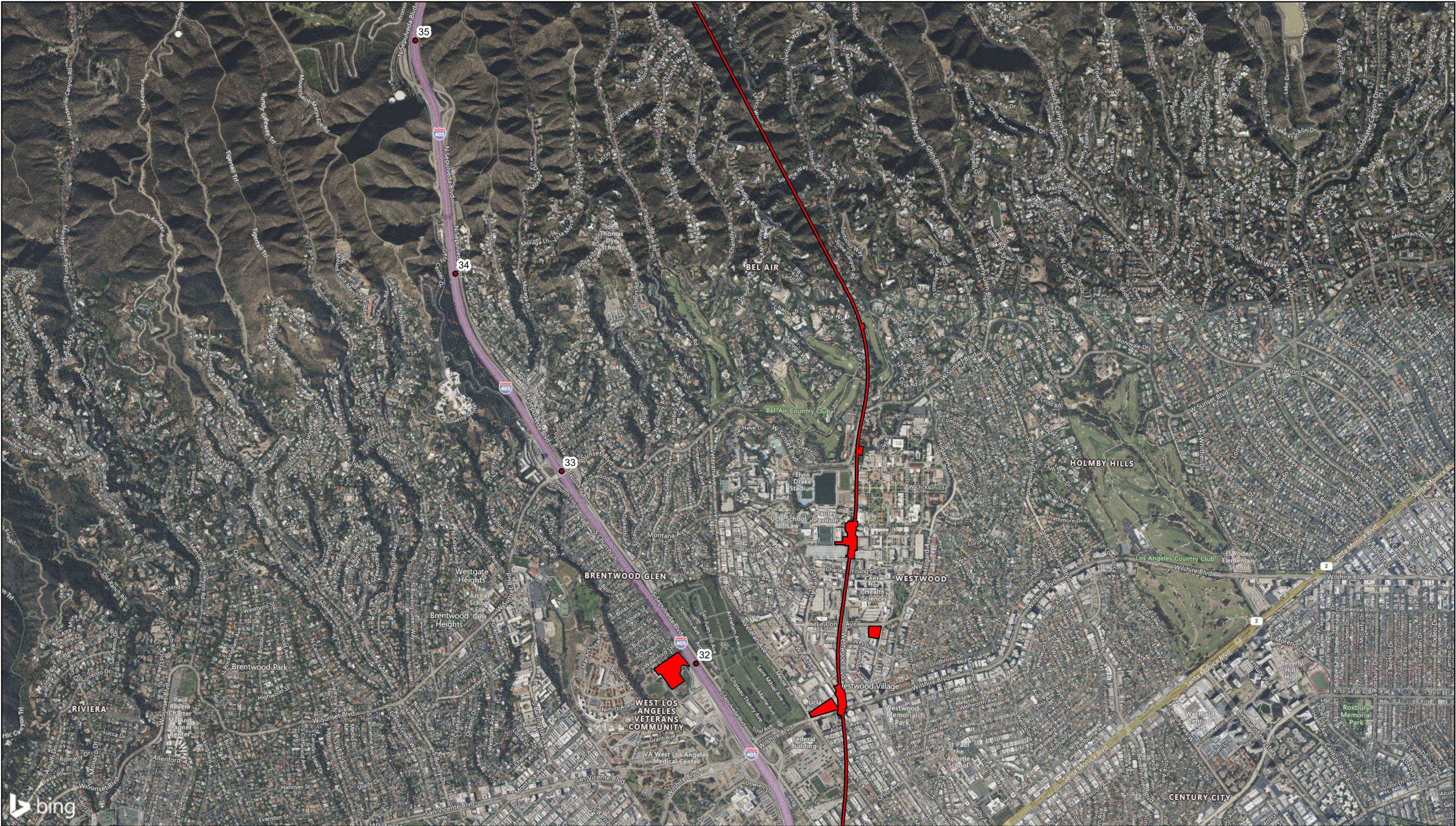


Figure 3b. Project Aerial Photo
Sepulveda Transit Corridor Project Alternatives 4 & 5
Contract No. AE67085000
Sheet 4 of 5

Project Area
Map Area Represented
Extent of Aerial Photo

0 1,000 2,000 Feet
1:24,000

Simi Valley
Oxnard
Thousand Oaks
Los Angeles
Santa Monica
Pomona
Rivers



Figure 3b. Project Aerial Photo
Sepulveda Transit Corridor Project Alternatives 4 & 5
Contract No. AE67085000
Sheet 5 of 5



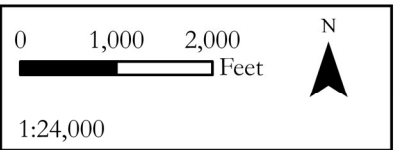
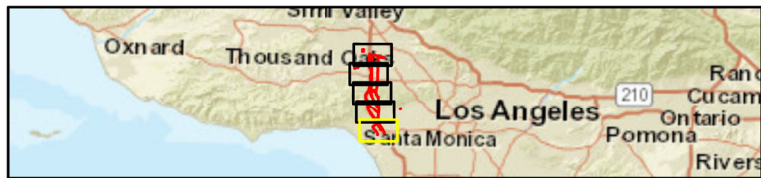
Project Area



Map Area Represented



Extent of Aerial Photo



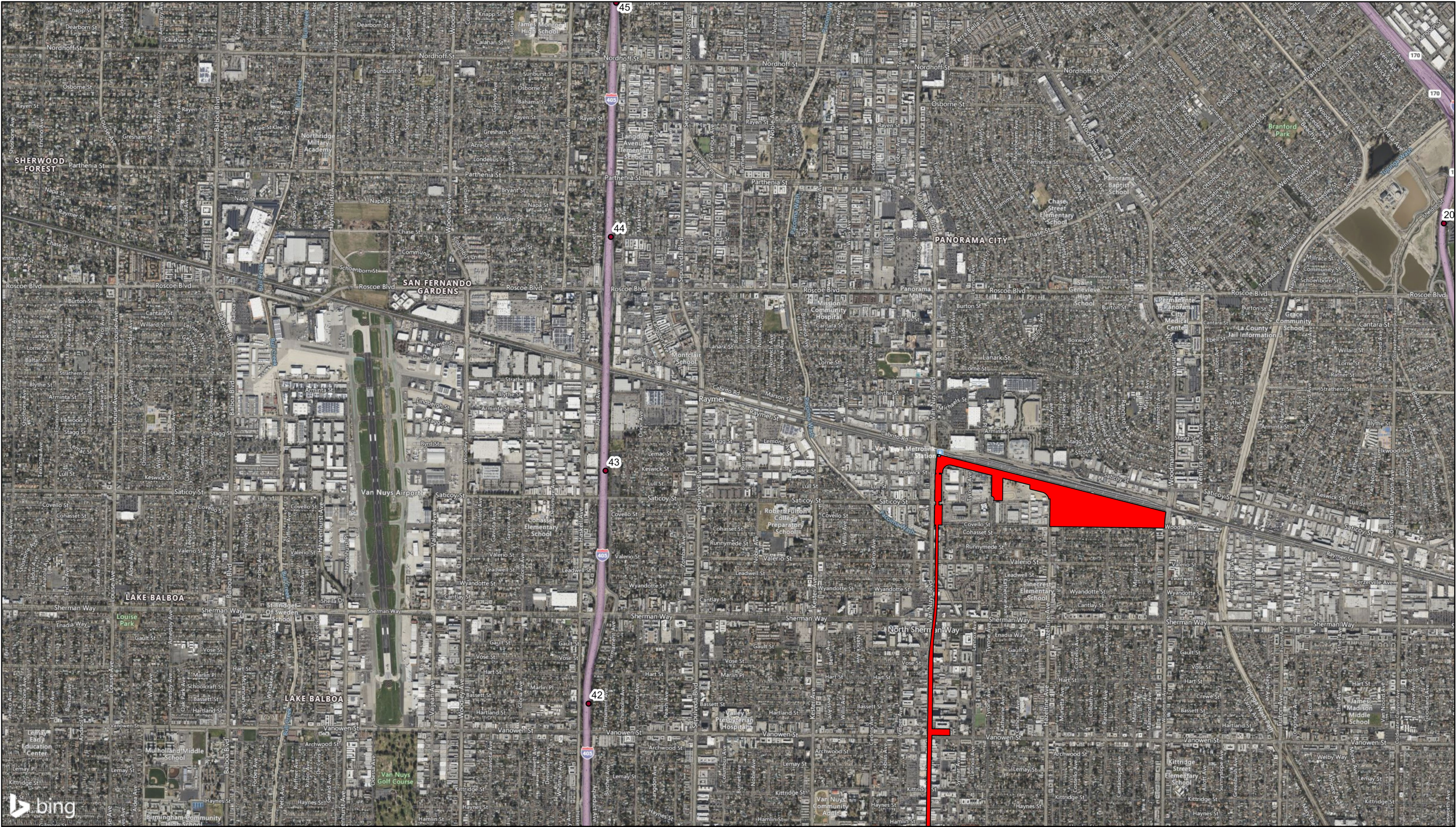
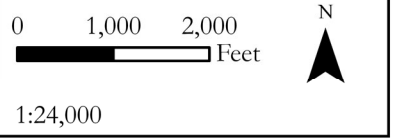


Figure 3c. Project Aerial Photo
Sepulveda Transit Corridor Project Alternative 6
Contract No. AE67085000
Sheet 1 of 5

Project Area

Map Area Represented
Extent of Aerial Photo



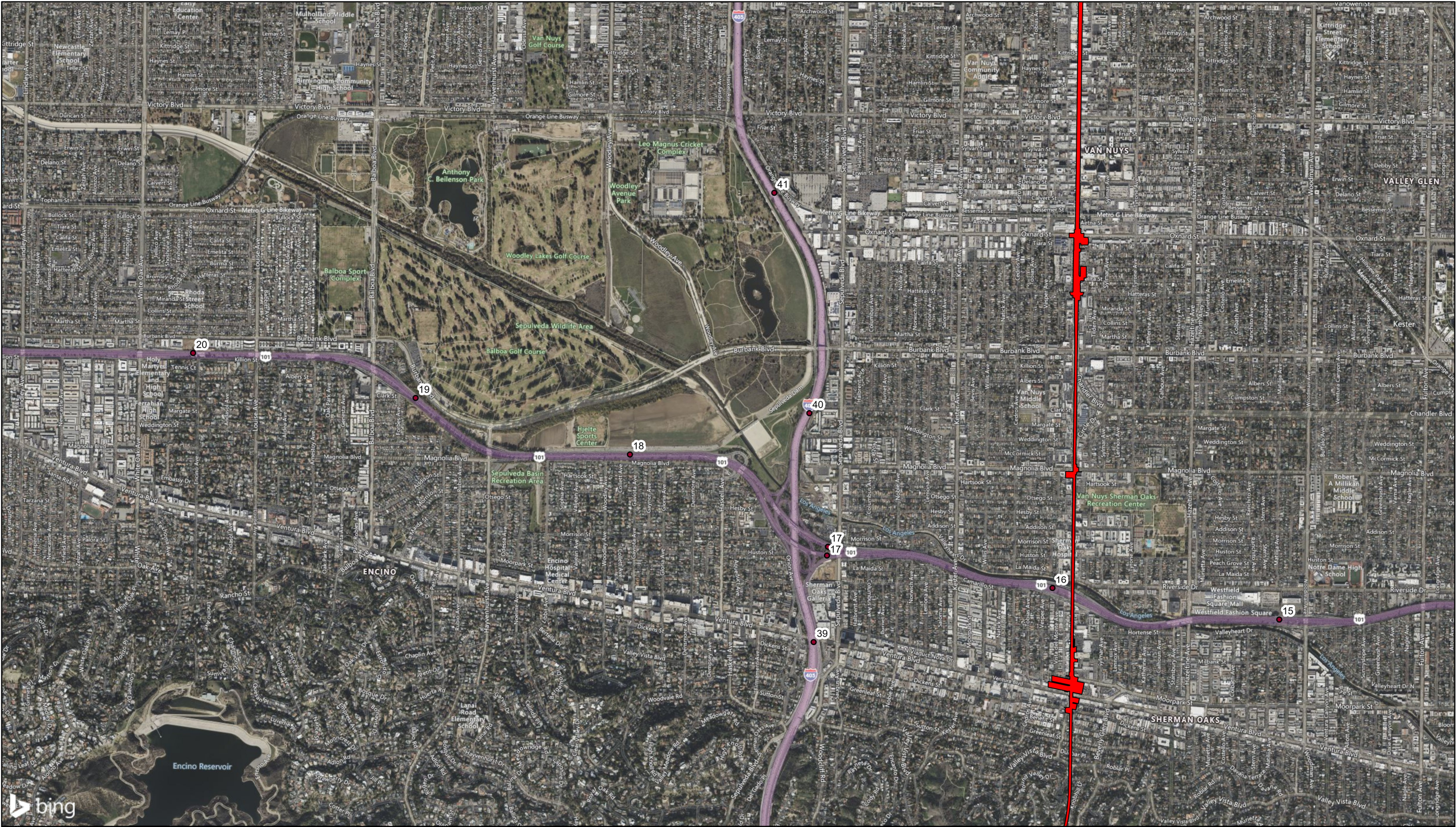
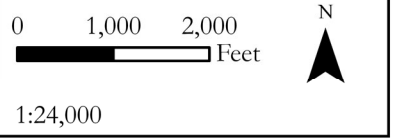


Figure 3c. Project Aerial Photo
Sepulveda Transit Corridor Project Alternative 6
Contract No. AE67085000
Sheet 2 of 5

Project Area

Map Area Represented
Extent of Aerial Photo



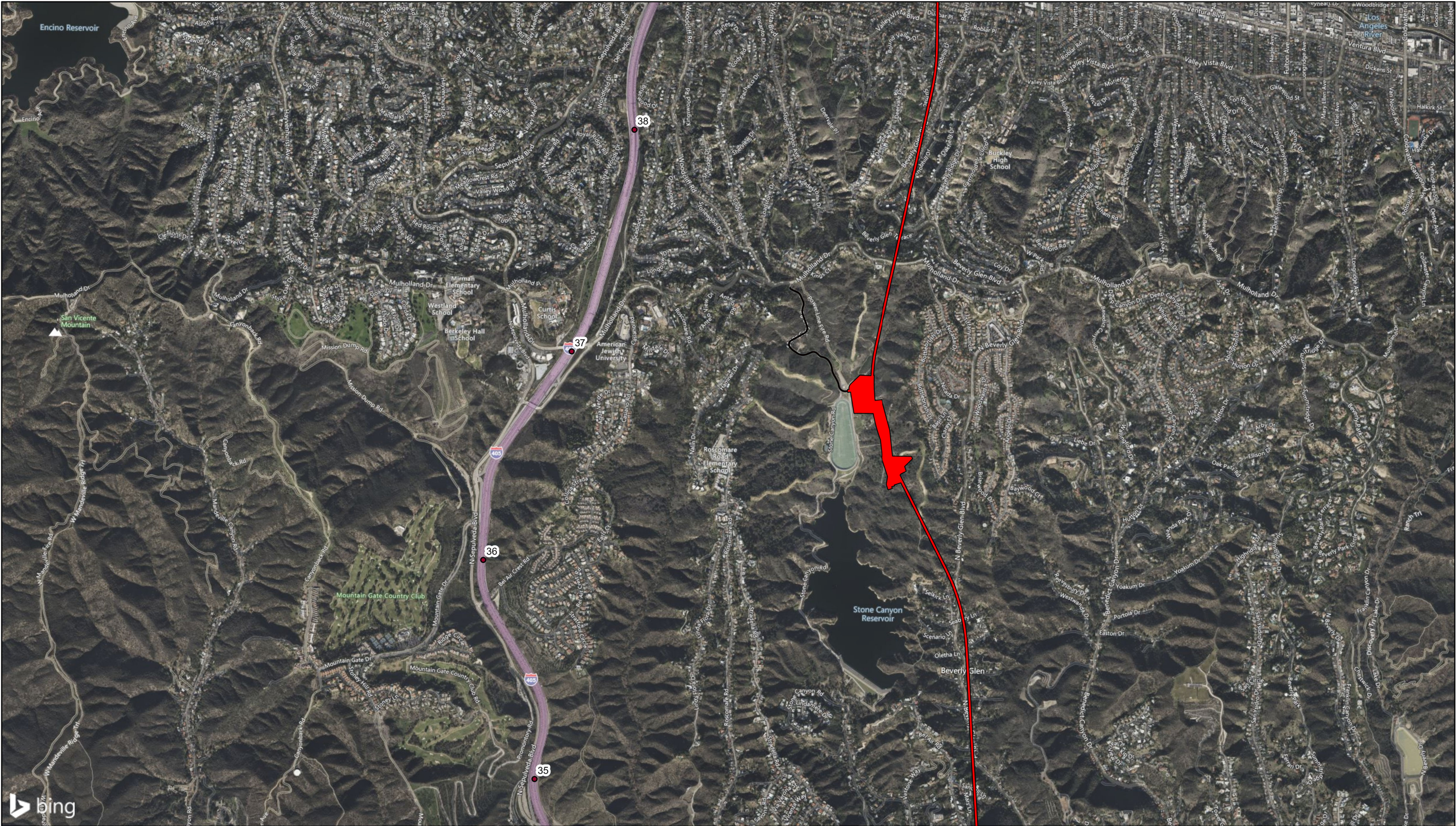


Figure 3c. Project Aerial Photo
Sepulveda Transit Corridor Project Alternative 6
Contract No. AE67085000
Sheet 3 of 5

 Project Area

 Map Area Represented
 Extent of Aerial Photo

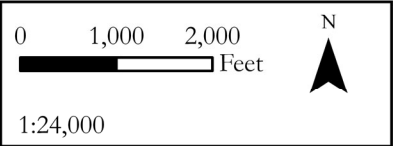




Figure 3c. Project Aerial Photo
Sepulveda Transit Corridor Project Alternative 6
Contract No. AE67085000
Sheet 4 of 5

Project Area
Map Area Represented
Extent of Aerial Photo

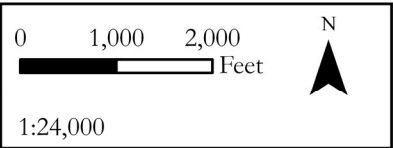
0 1,000 2,000 Feet
1:24,000



Figure 3c. Project Aerial Photo
Sepulveda Transit Corridor Project Alternative 6
Contract No. AE67085000
Sheet 5 of 5

Project Area

Map Area Represented
Extent of Aerial Photo



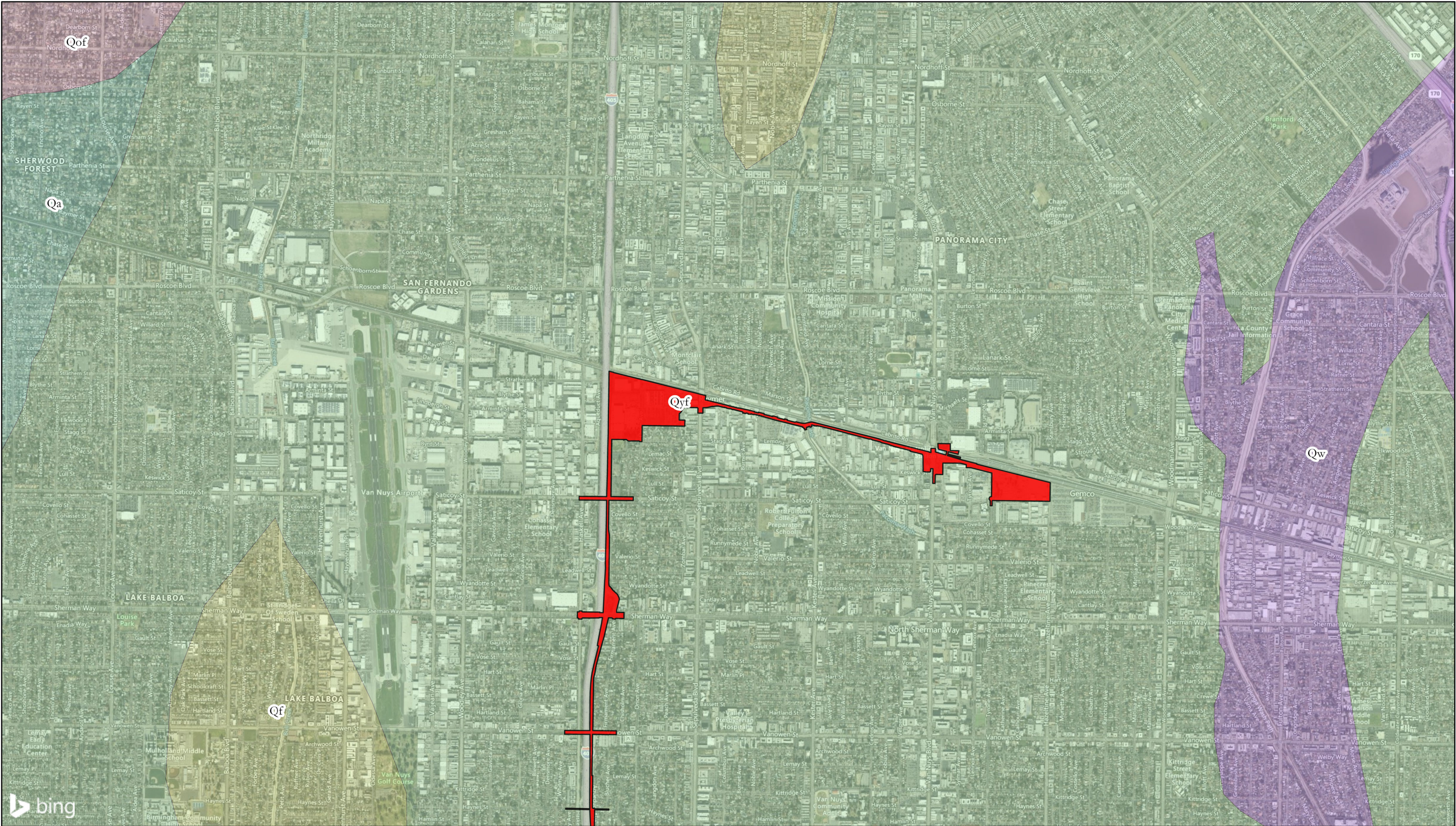


Figure 4a. Project Paleontology
Sepulveda Transit Corridor Project Alternatives 1 & 3
Contract No. AE67085000
Sheet 1 of 5

Geology from Campbell, Wills, Irvine, & Swanson (2016):

Qa	Qw	Qf
Qf	Qof	

Project Area
Map Area Represented
Extent of Aerial Photo

Oxnard Thousand Oaks Los Angeles Santa Monica Pomona

0 1,000 2,000 Feet
1:24,000

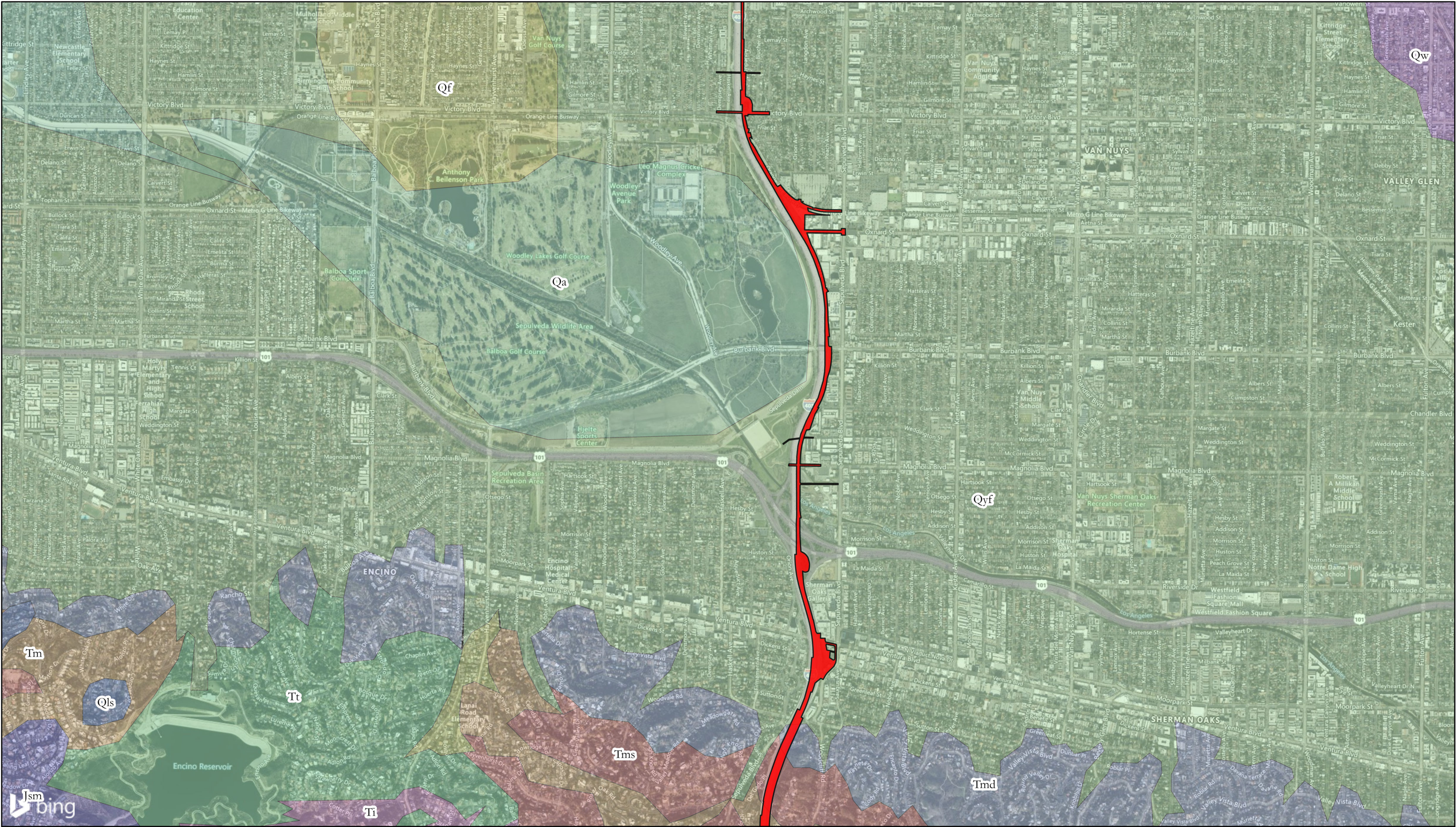


Figure 4a. Project Paleontology
Sepulveda Transit Corridor Project Alternatives 1 & 3
Contract No. AE67085000
Sheet 2 of 5

Geology from Campbell, Wills, Irvine, & Swanson (2016):

Qa	Qls	Tm	Tmd
Qf	Qyf	Tms	Jsm
Qw	Ti	Tt	

Legend:

- Project Area
- Map Area Represented
- Extent of Aerial Photo

Inset Map: Shows the location of the project area within the Los Angeles basin, bounded by Oxnard, Thousand Oaks, Los Angeles, Santa Monica, and Pomona. The project area is highlighted in red.

Scale: 0, 1,000, 2,000 Feet
1:24,000

North Arrow

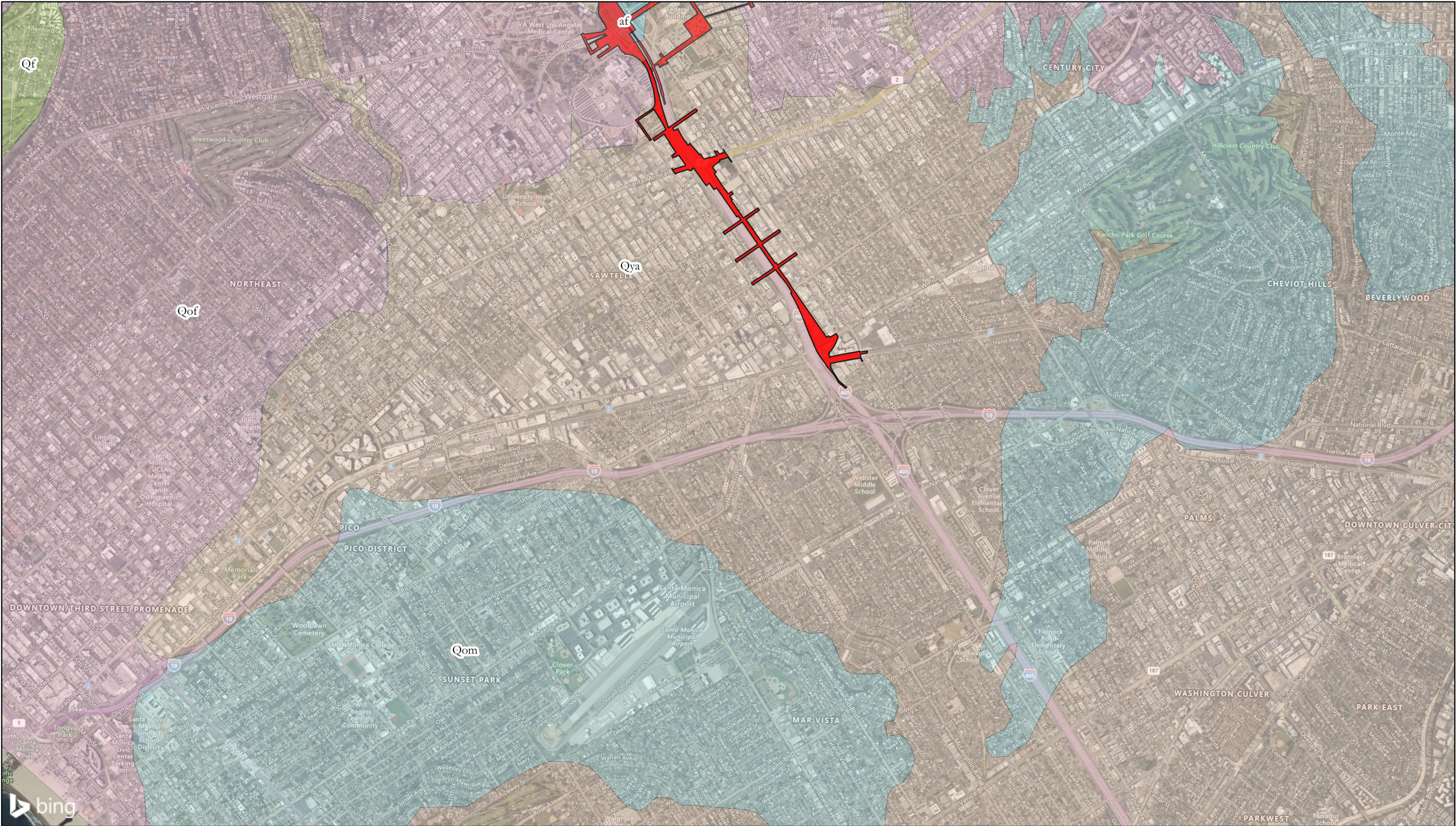


Figure 4a. Project Paleontology
Sepulveda Transit Corridor Project Alternatives 1 & 3
Contract No. AE67085000
Sheet 5 of 5

Geology from Campbell, Wills, Irvine, & Swanson (2016):

af	Qf	Qom
Qe	Qof	Qya

Project Area
Map Area Represented
Extent of Aerial Photo

Oxnard Thousand Oaks Los Angeles Santa Monica Pomona

0 1,000 2,000 Feet
1:24,000

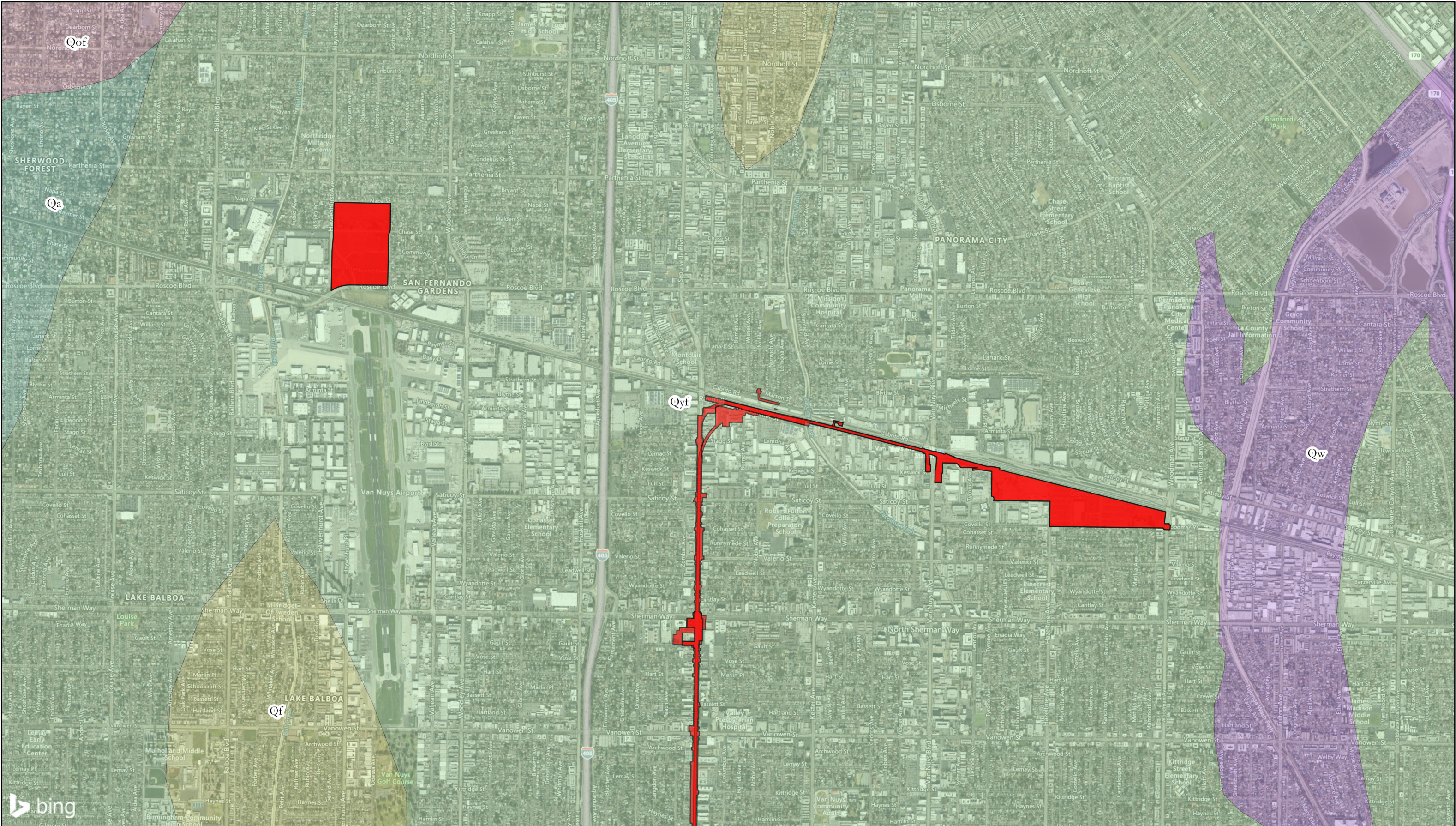


Figure 4b. Project Paleontology
Sepulveda Transit Corridor Project Alternatives 4 & 5
Contract No. AE67085000
Sheet 1 of 5

Geology from Campbell, Wills, Irvine, & Swanson (2016):

Qa	Qw	Qyf
Qf	Qof	

Project Area
Map Area Represented
Extent of Aerial Photo

Oxnard Thousand Oaks Los Angeles Santa Monica Pomona

0 1,000 2,000 Feet
1:24,000

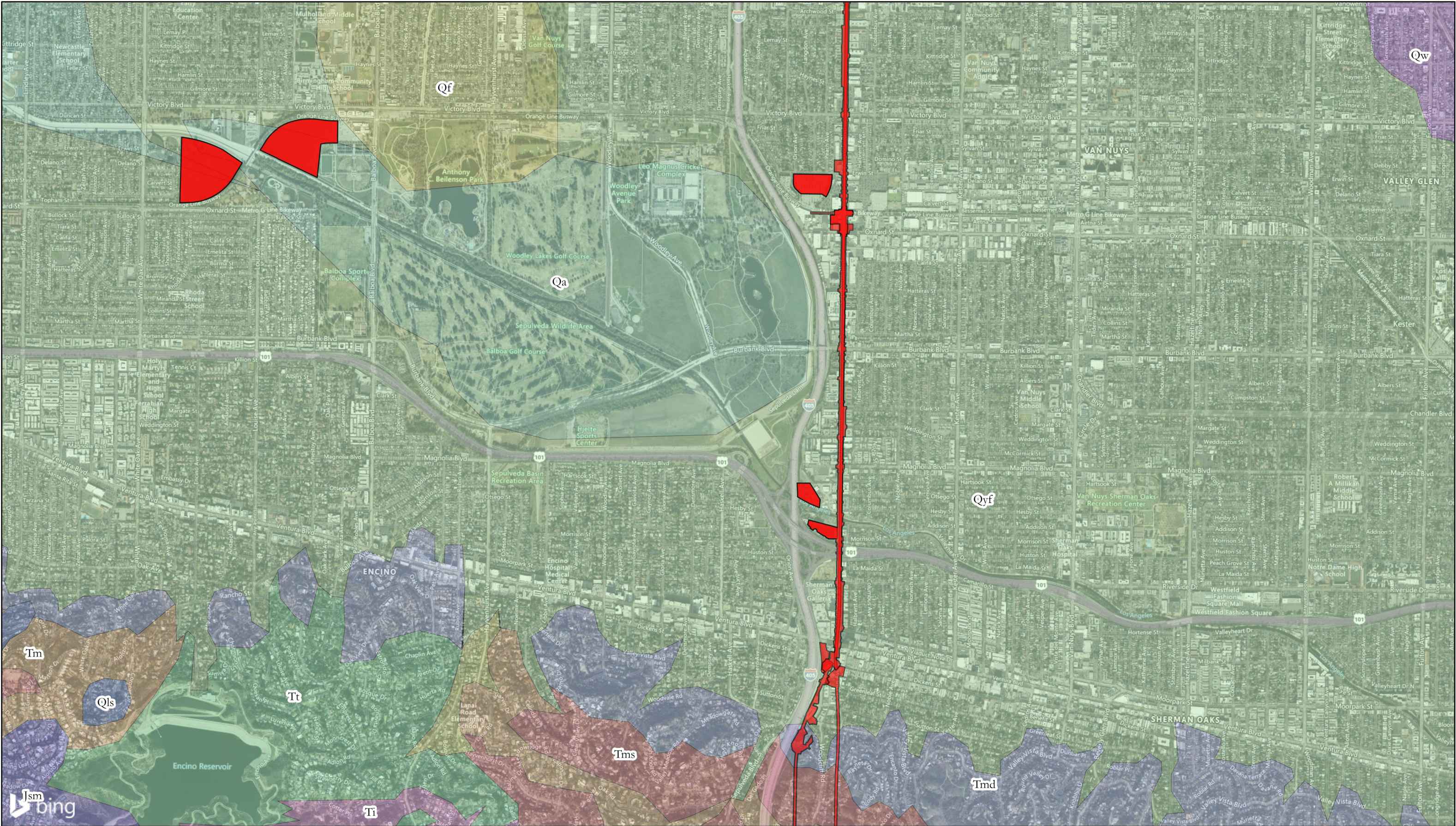
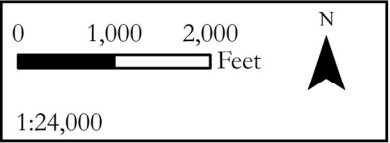
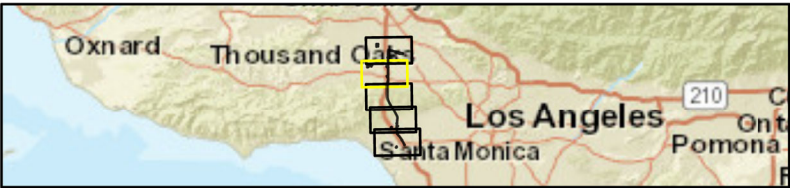
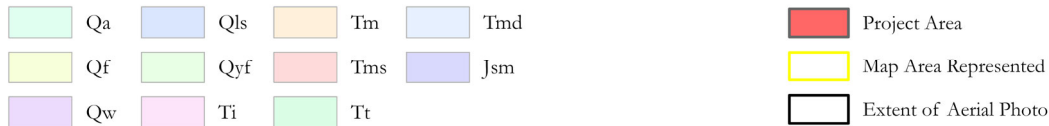


Figure 4b. Project Paleontology
Sepulveda Transit Corridor Project Alternatives 4 & 5
Contract No. AE67085000
Sheet 2 of 5

Geology from Campbell, Wills, Irvine, & Swanson (2016):



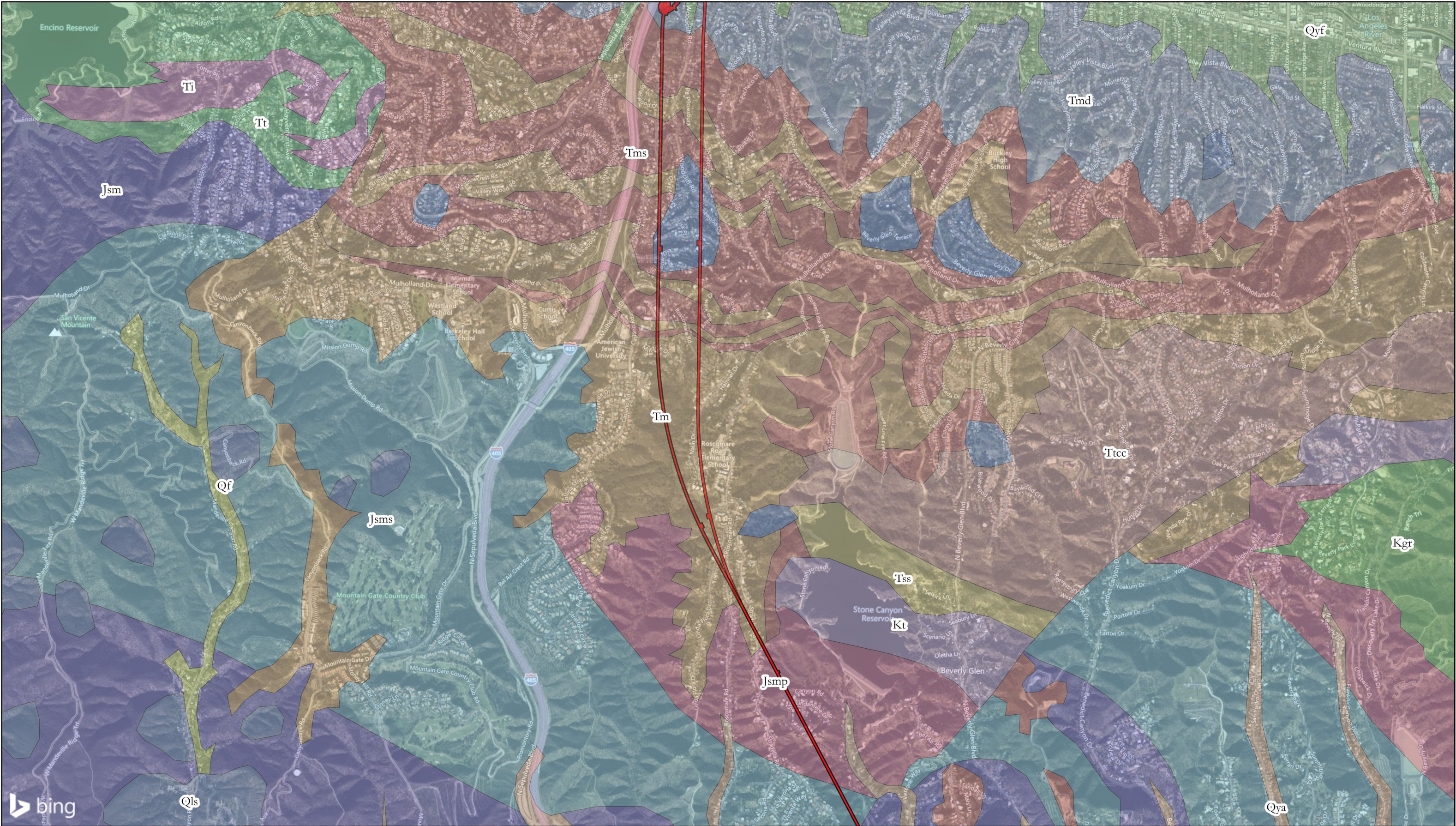
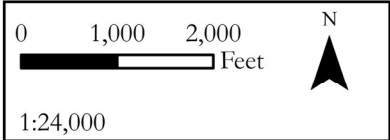
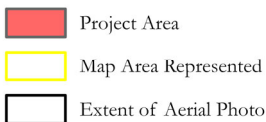
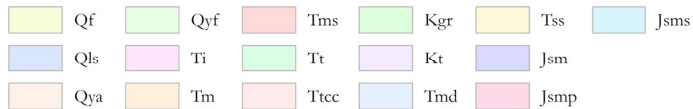
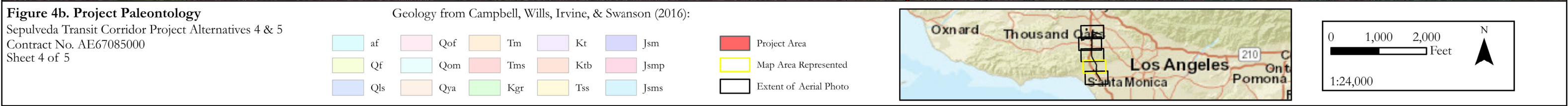


Figure 4b. Project Paleontology
Sepulveda Transit Corridor Project Alternatives 4 & 5
Contract No. AE67085000
Sheet 3 of 5

Geology from Campbell, Wills, Irvine, & Swanson (2016):





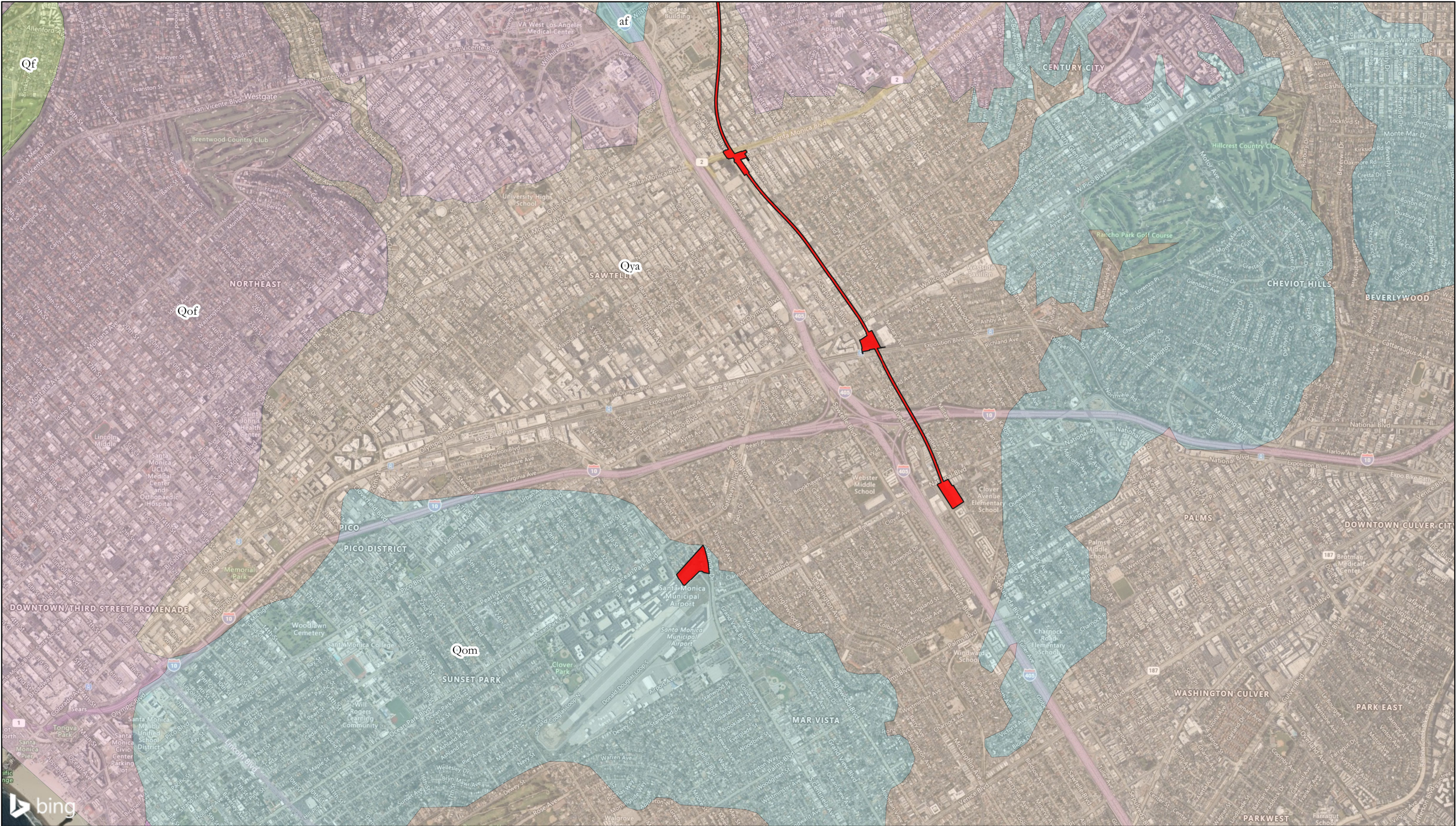
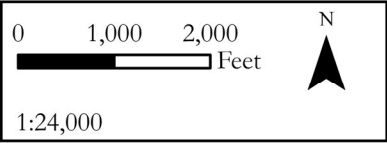
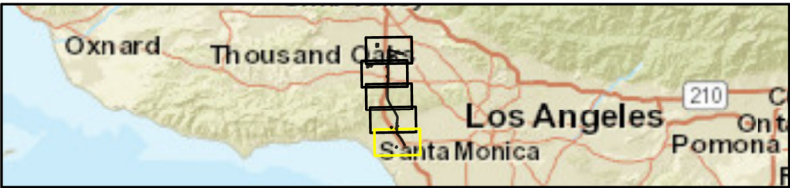


Figure 4b. Project Paleontology
Sepulveda Transit Corridor Project Alternatives 4 & 5
Contract No. AE67085000
Sheet 5 of 5

Geology from Campbell, Wills, Irvine, & Swanson (2016):

- | | | |
|----|-----|-----|
| af | Qf | Qom |
| Qe | Qof | Qya |

- | |
|------------------------|
| Project Area |
| Map Area Represented |
| Extent of Aerial Photo |



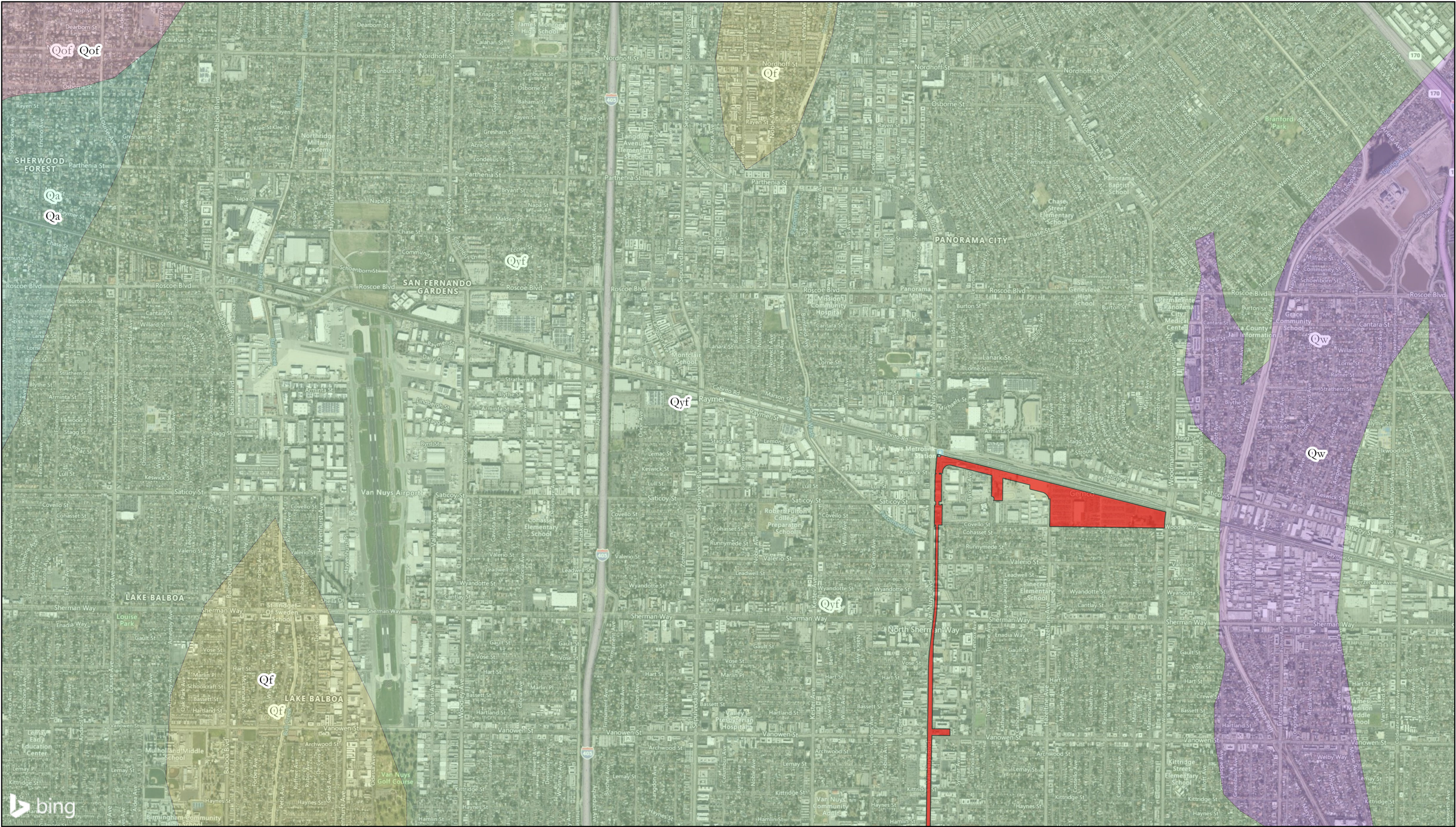


Figure 4c. Project Paleontology
Sepulveda Transit Corridor Project Alternative 6
Contract No. AE67085000
Sheet 1 of 5

Geology from Campbell, Wills, Irvine, & Swanson (2016):

Qa	Qw	Qyf
Qf	Qof	

Legend:

- Project Area
- Map Area Represented
- Extent of Aerial Photo

Scale: 0 1,000 2,000 Feet
1:24,000

North Arrow

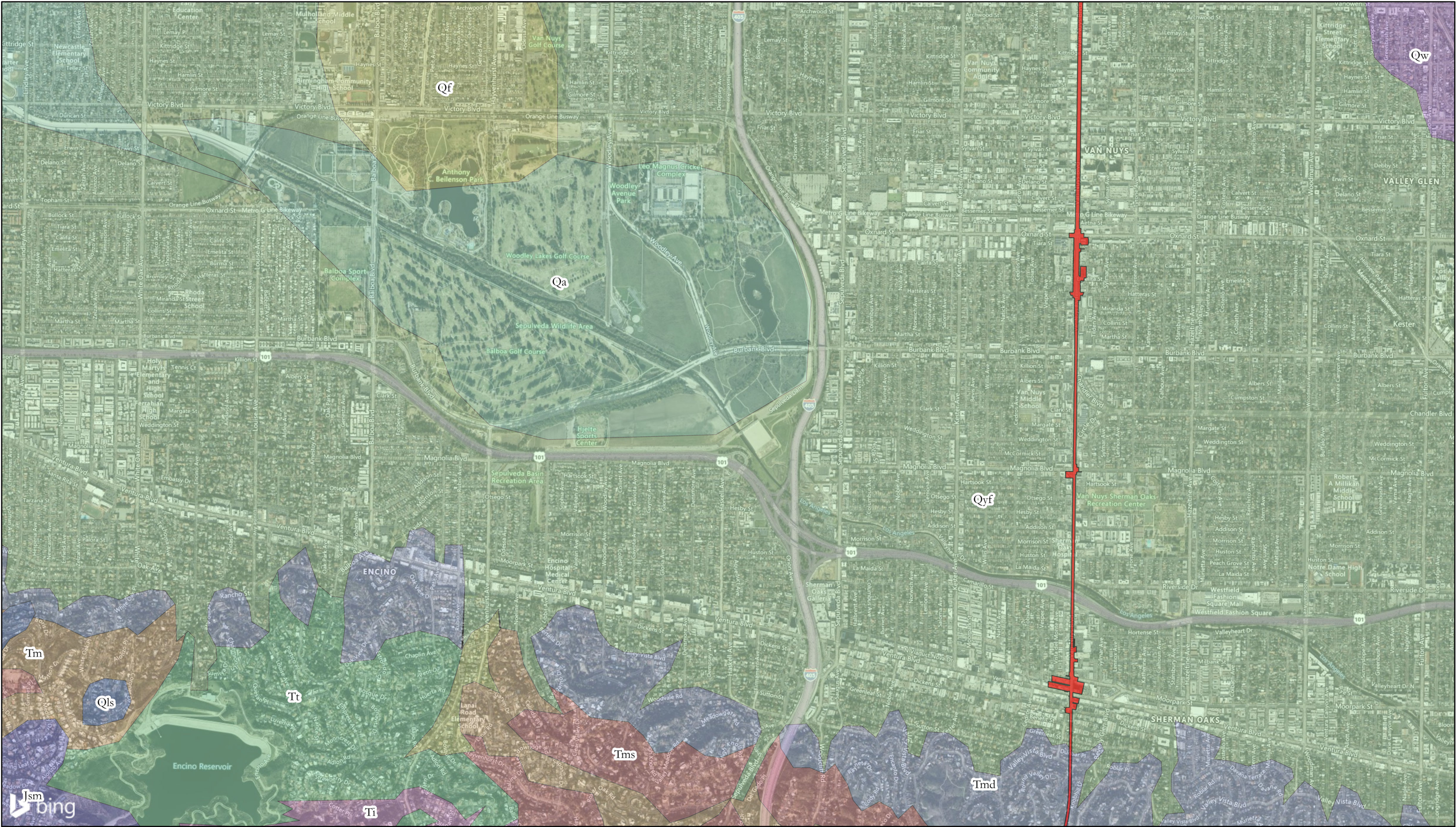
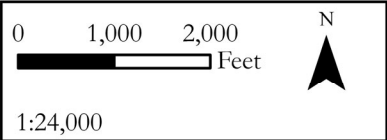
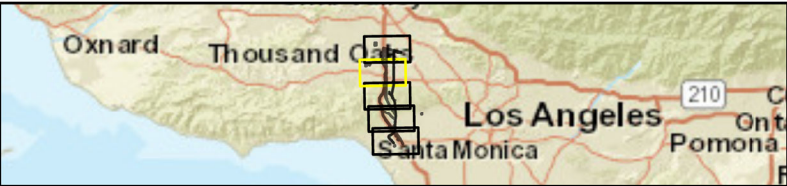


Figure 4c. Project Paleontology
Sepulveda Transit Corridor Project Alternative 6
Contract No. AE67085000
Sheet 2 of 5

Geology from Campbell, Wills, Irvine, & Swanson (2016):

- | | | | |
|----|-----|-----|-----|
| Qa | Qls | Tm | Tmd |
| Qf | Qyf | Tms | Jsm |
| Qw | Ti | Tt | |

- | |
|------------------------|
| Project Area |
| Map Area Represented |
| Extent of Aerial Photo |



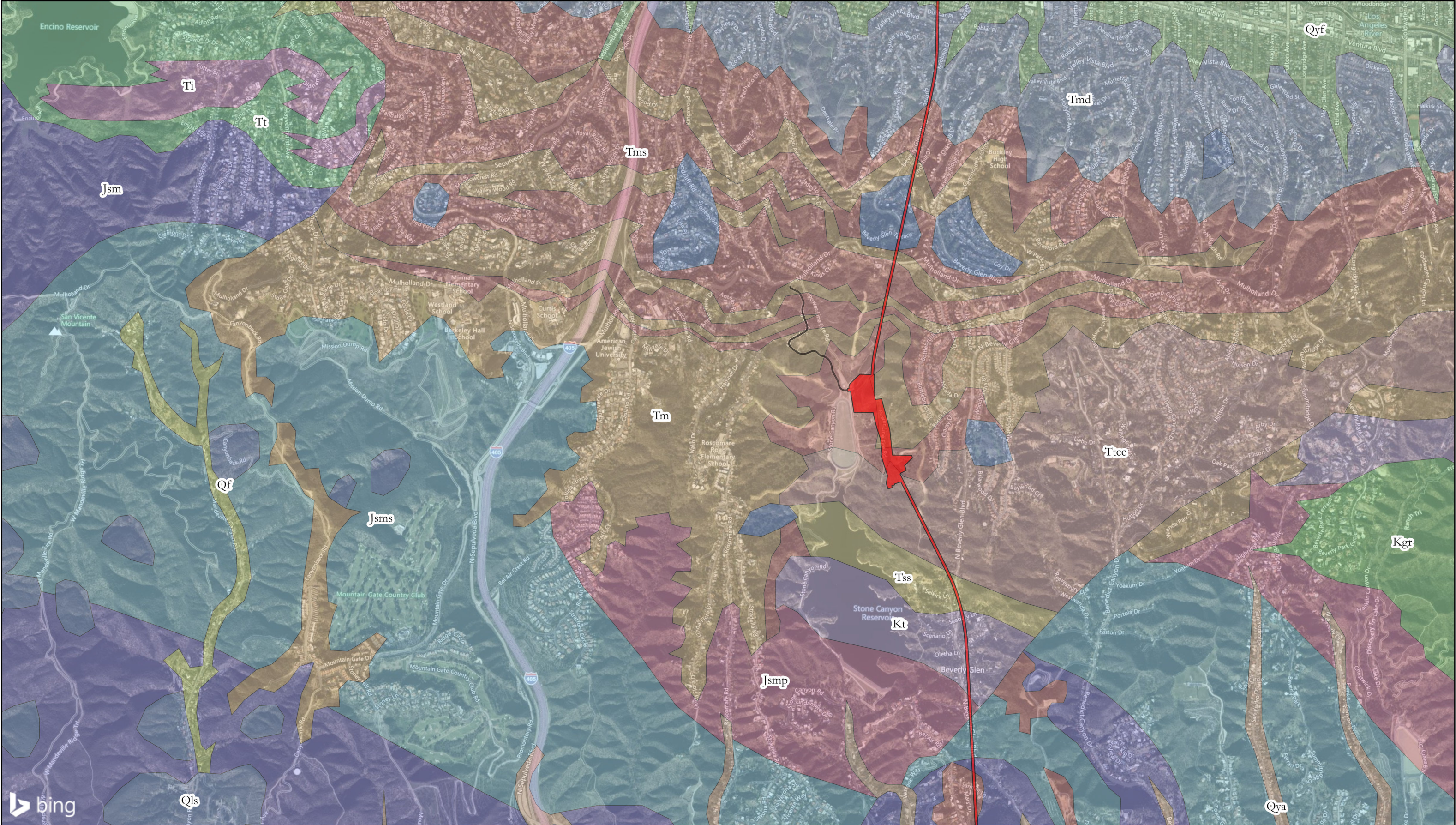


Figure 4c. Project Paleontology
Sepulveda Transit Corridor Project Alternative 6
Contract No. AE67085000
Sheet 3 of 5

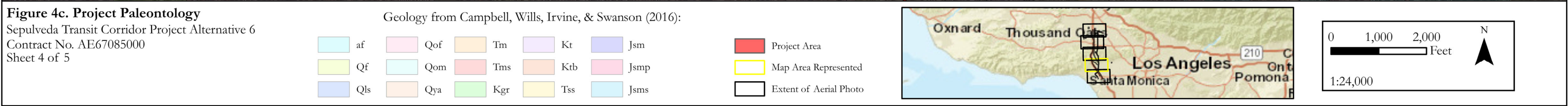
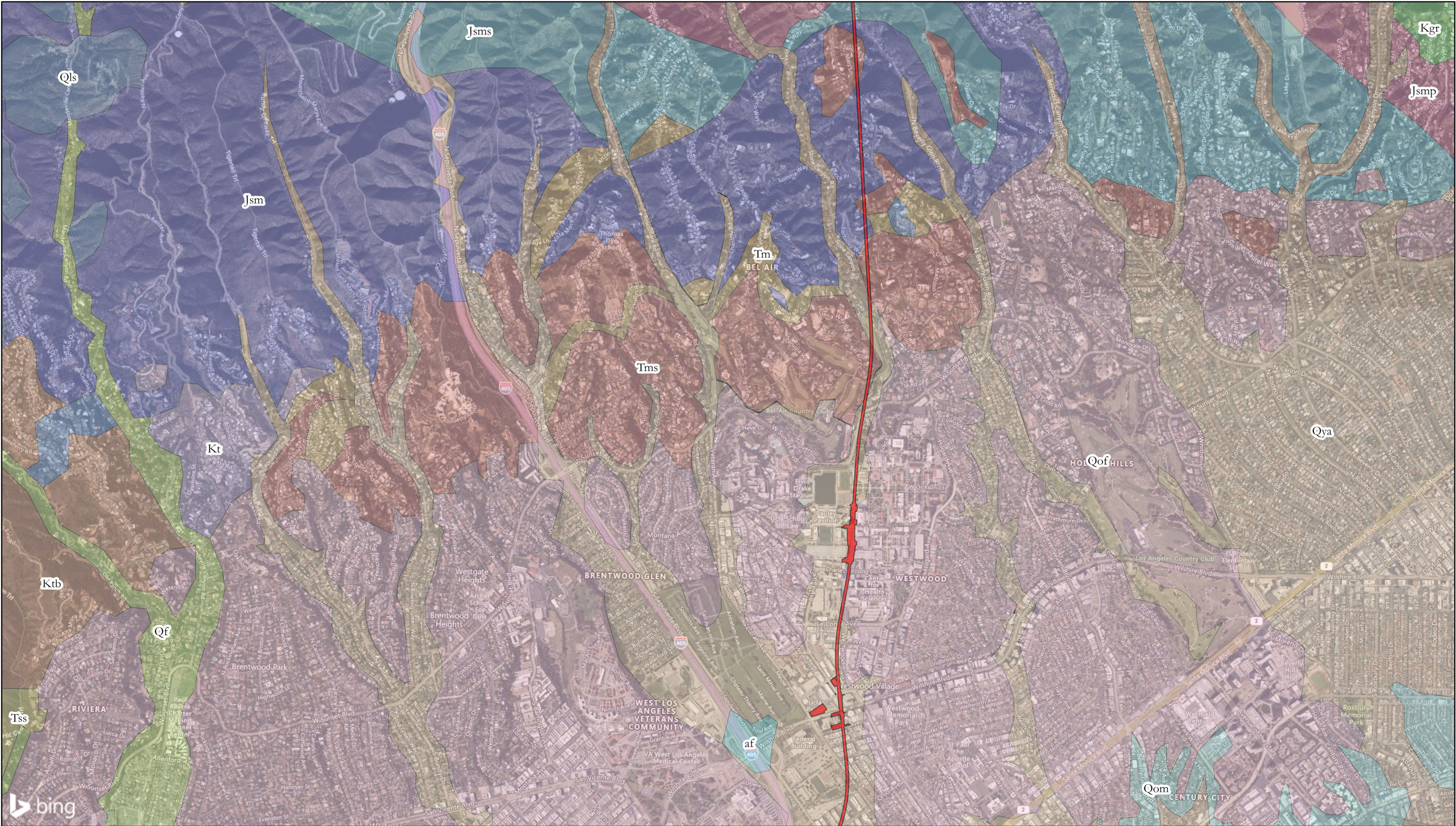
Geology from Campbell, Wills, Irvine, & Swanson (2016):

Qf	Qyf	Tms	Kgr	Tss	Jsms	Project Area
Qls	Ti	Tt	Kt	Jsm		Map Area Represented
Qya	Tm	Ttcc	Tmd	Jsm		Extent of Aerial Photo

Scale: 0 1,000 2,000 Feet
1:24,000

North Arrow

Inset Map: Shows the project area location relative to Oxnard, Thousand Oaks, Los Angeles, Santa Monica, and Pomona.



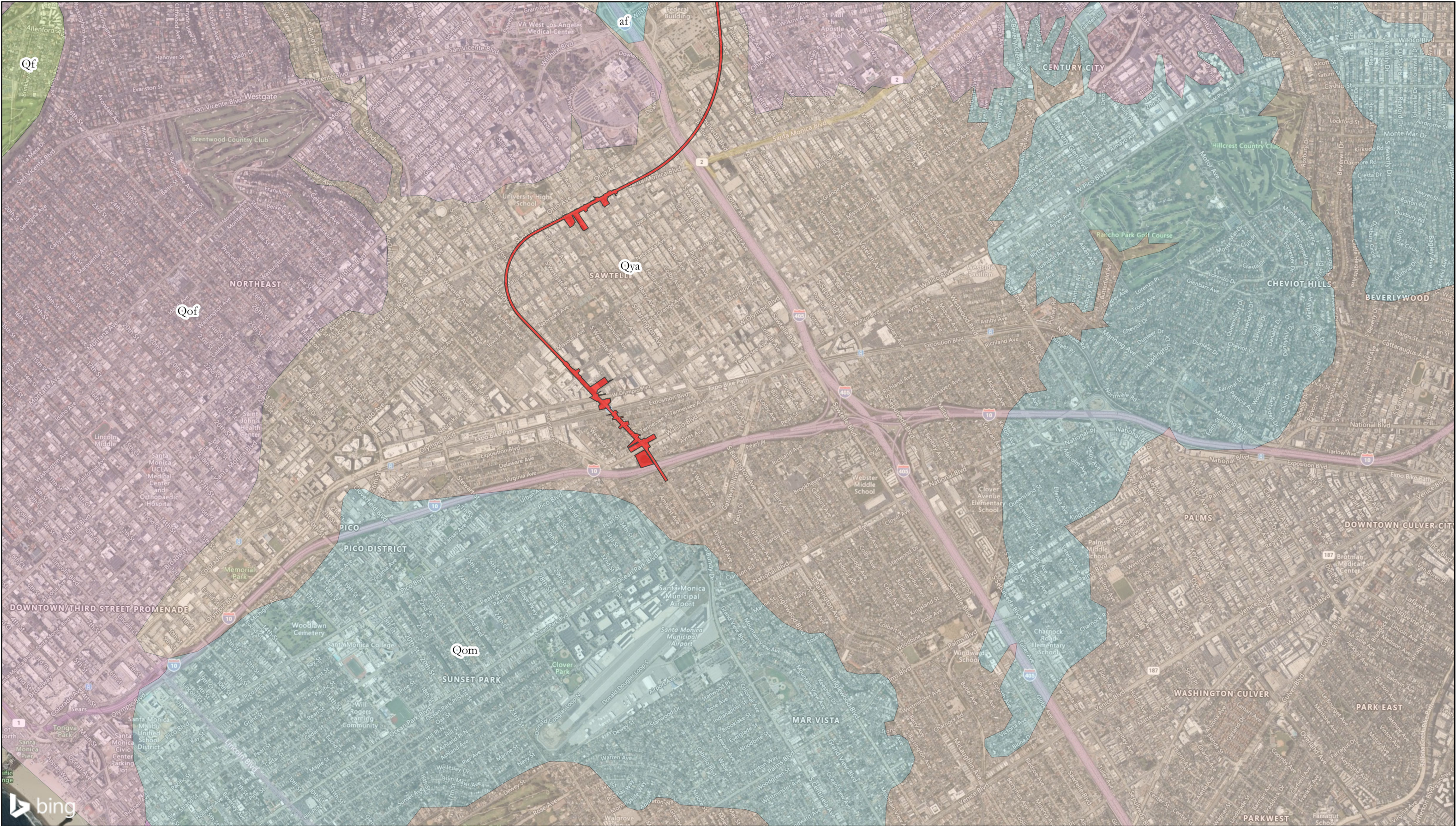


Figure 4c. Project Paleontology
Sepulveda Transit Corridor Project Alternative 6
Contract No. AE67085000
Sheet 5 of 5

Geology from Campbell, Wills, Irvine, & Swanson (2016):

af	Qf	Qom
Qe	Qof	Qya

Project Area	Map Area Represented	Extent of Aerial Photo
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0 1,000 2,000 Feet
1:24,000

N

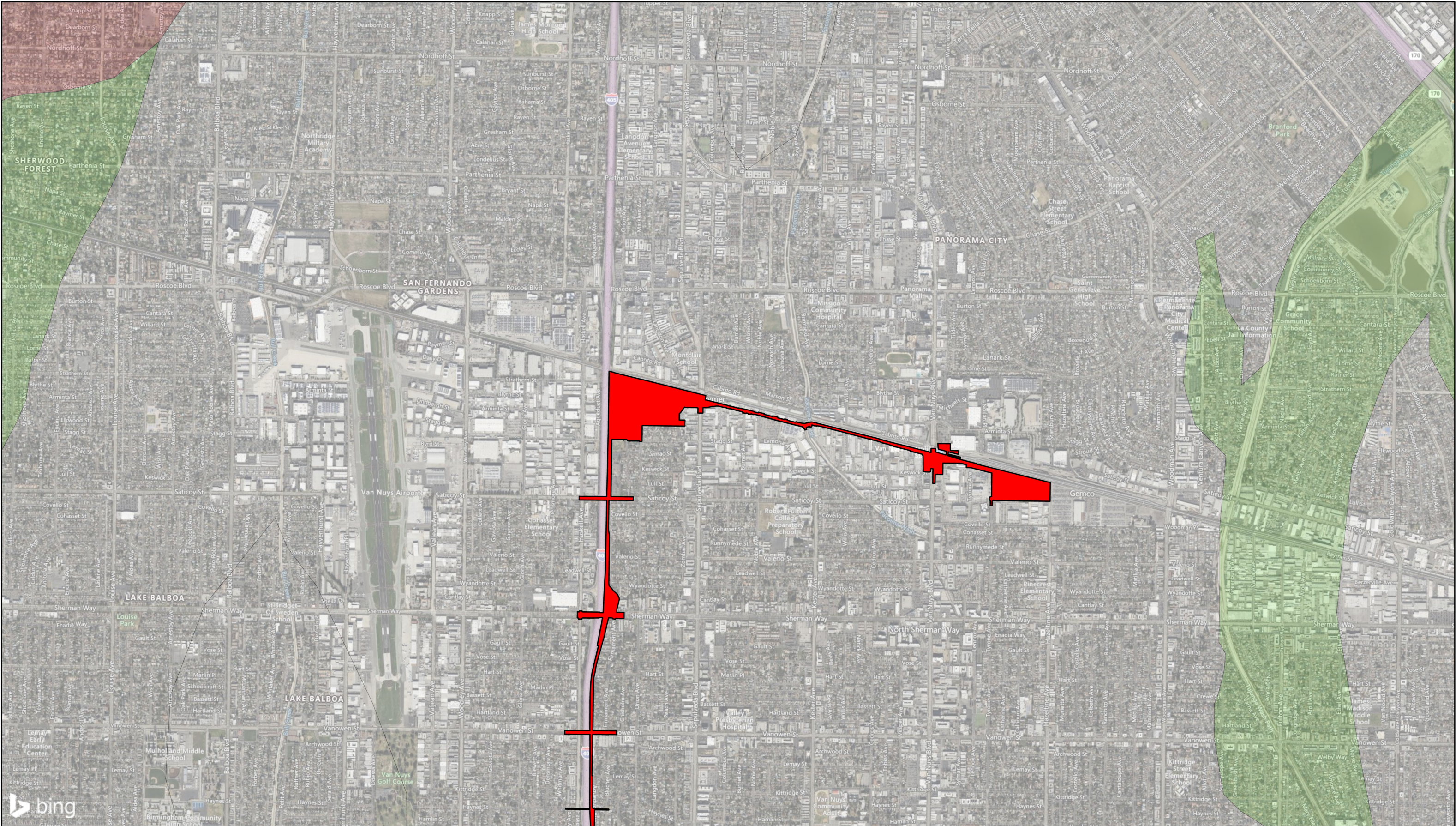


Figure 5a. Project Paleontological Sensitivity
Sepulveda Transit Corridor Project Alternatives 1 & 3
Contract No. AE67085000
Sheet 1 of 5

Paleontological Sensitivity

- High Sensitivity
- Low Sensitivity
- No Sensitivity

Project Area

Map Area Represented

Extent of Aerial Photo

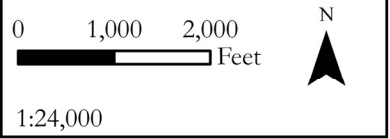


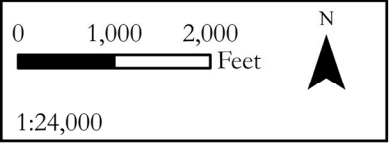
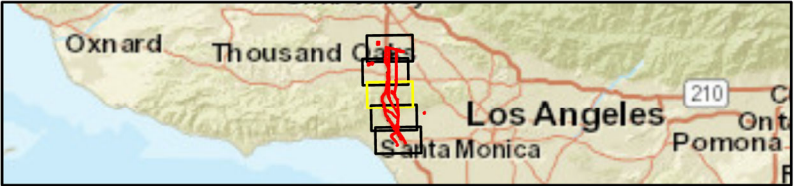


Figure 5a. Project Paleontological Sensitivity
Sepulveda Transit Corridor Project Alternatives 1 & 3
Contract No. AE67085000
Sheet 3 of 5

Paleontological Sensitivity

- High Sensitivity
- Low Sensitivity
- No Sensitivity

- Project Area
- Map Area Represented
- Extent of Aerial Photo



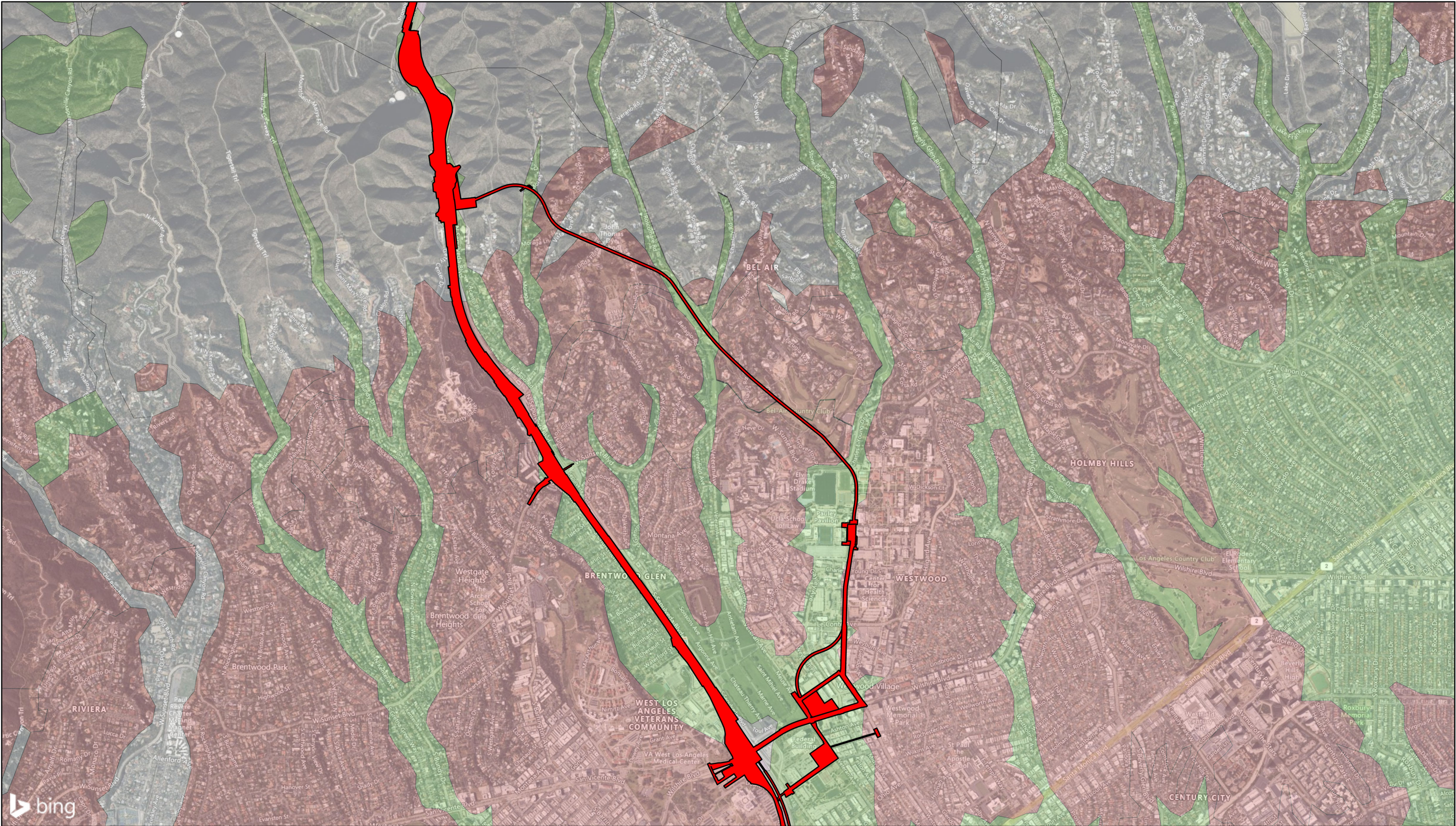


Figure 5a. Project Paleontological Sensitivity
Sepulveda Transit Corridor Project Alternatives 1 & 3
Contract No. AE67085000
Sheet 4 of 5

Paleontological Sensitivity	Project Area
High Sensitivity	Map Area Represented
Low Sensitivity	Extent of Aerial Photo
No Sensitivity	

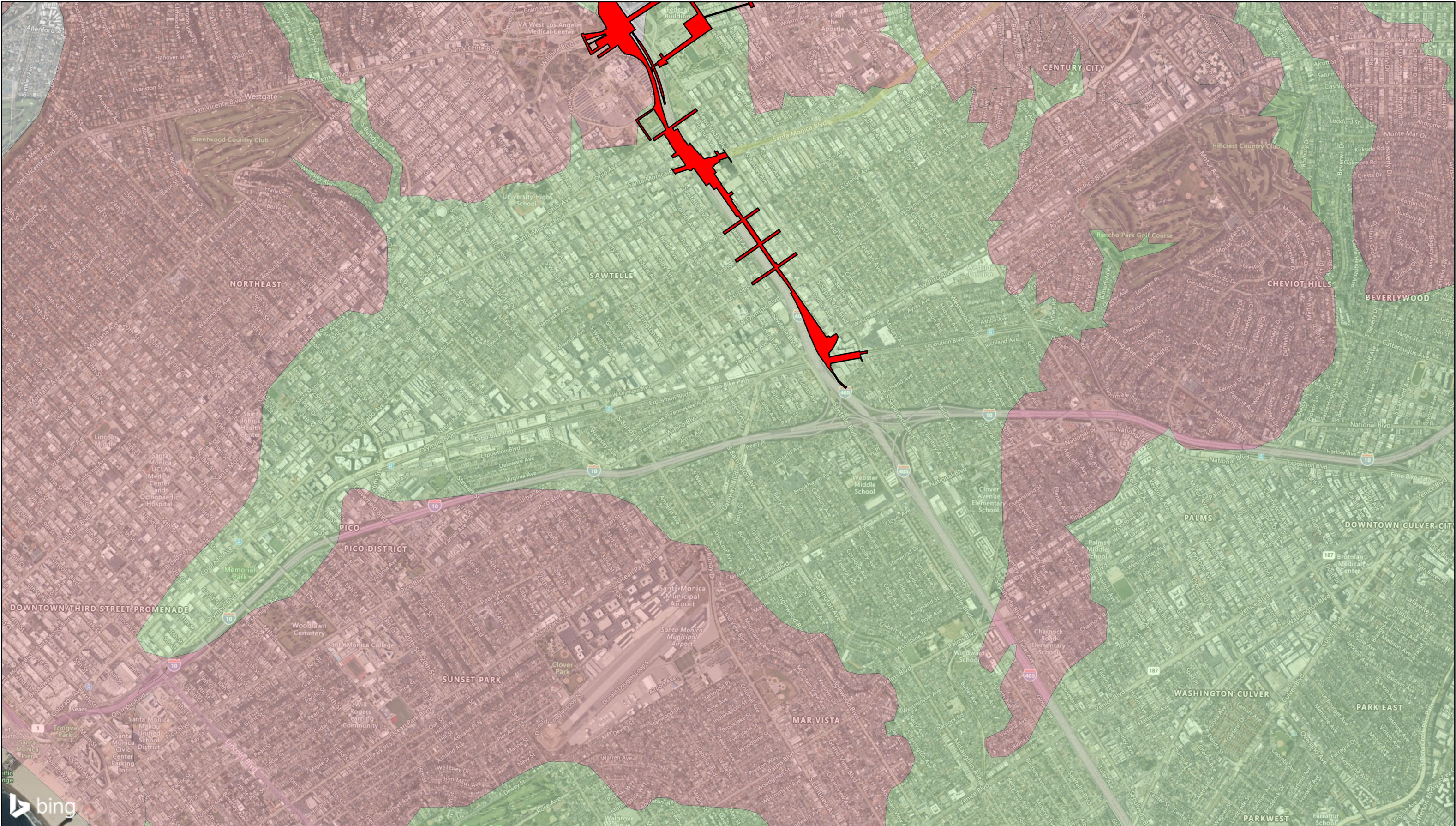


Figure 5a. Project Paleontological Sensitivity
Sepulveda Transit Corridor Project Alternatives 1 & 3
Contract No. AE67085000
Sheet 5 of 5

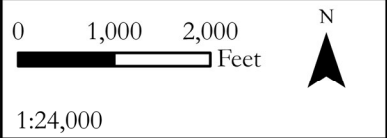
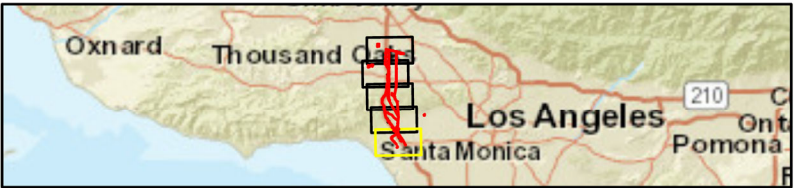
Paleontological Sensitivity

- High Sensitivity
- Low Sensitivity
- No Sensitivity

Project Area

Map Area Represented

Extent of Aerial Photo



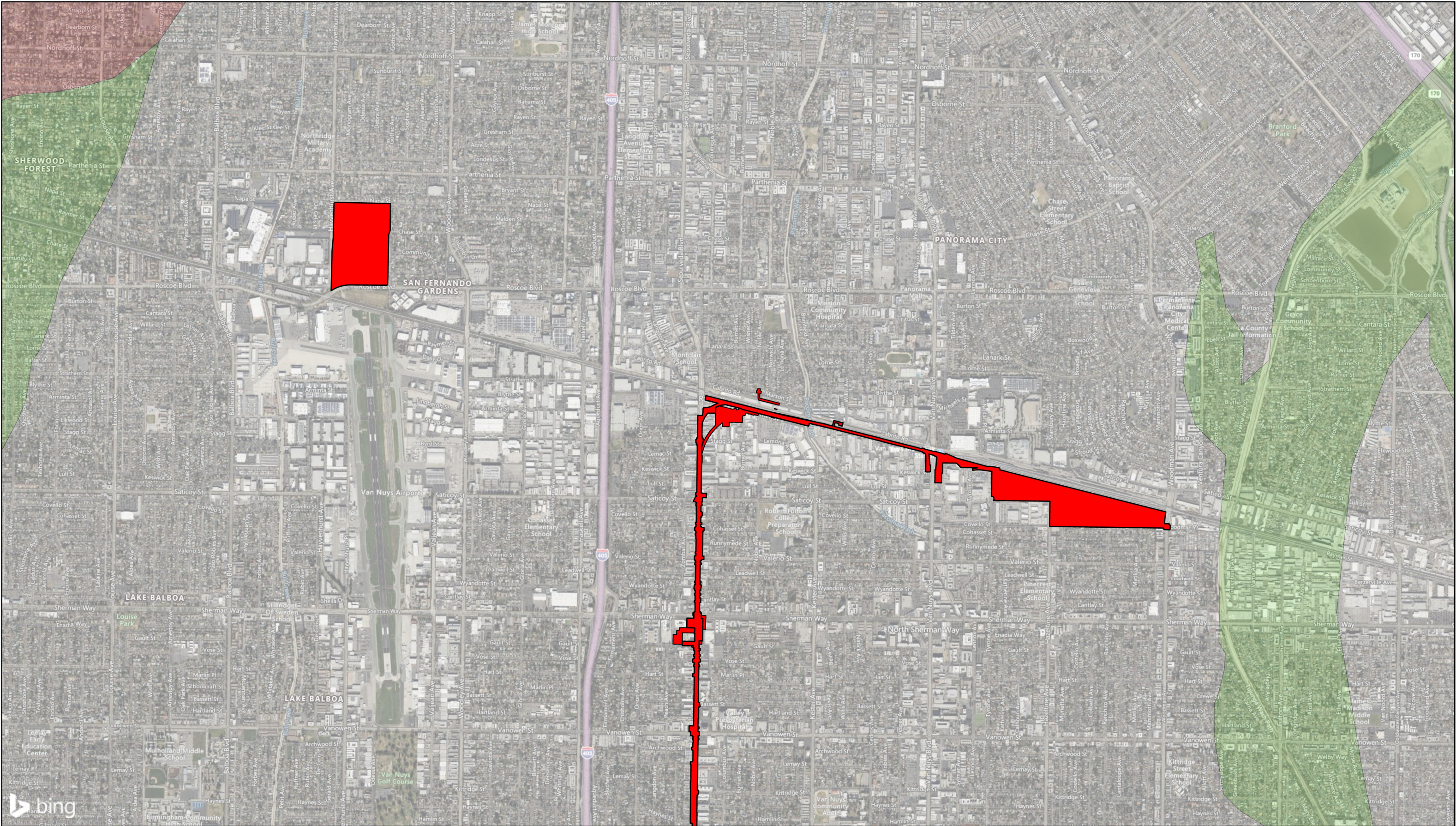


Figure 5b. Project Paleontological Sensitivity
Sepulveda Transit Corridor Project Alternatives 4 & 5
Contract No. AE67085000
Sheet 1 of 5

Paleontological Sensitivity

- High Sensitivity
- Low Sensitivity
- No Sensitivity

Legend:

- Project Area
- Map Area Represented
- Extent of Aerial Photo

Scale: 0 1,000 2,000 Feet
1:24,000

North Arrow: N

Inset Map: Oxnard Thousand Oaks Los Angeles Santa Monica Pomona

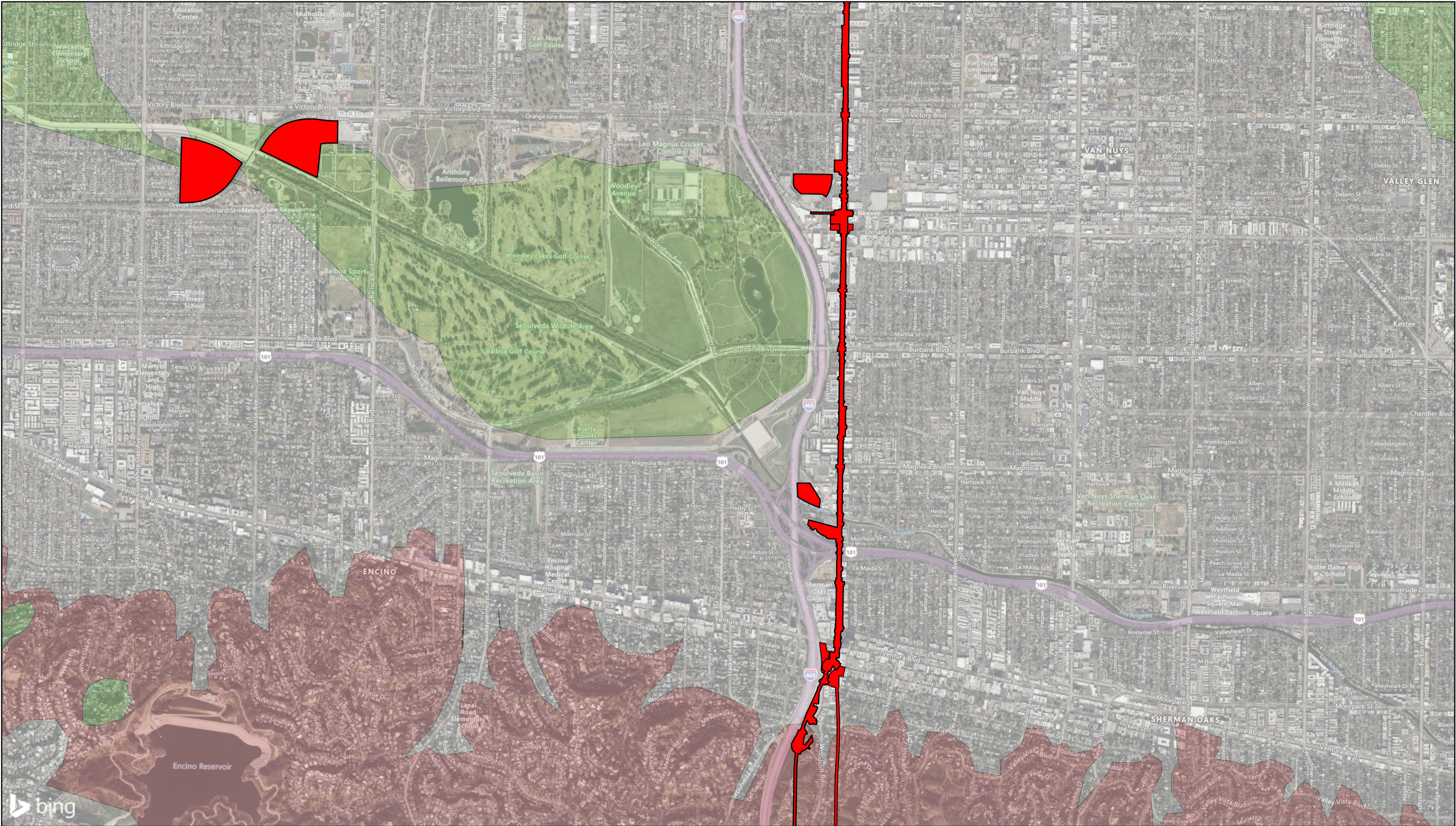
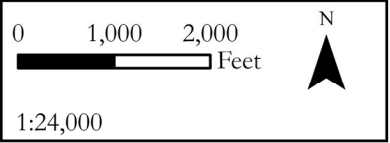
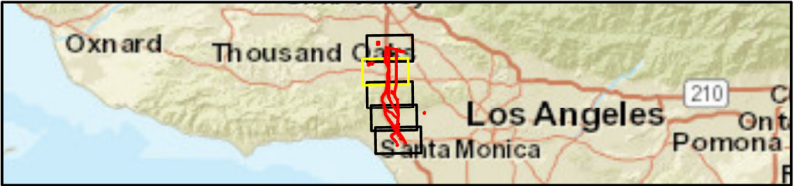


Figure 5b. Project Paleontological Sensitivity
Sepulveda Transit Corridor Project Alternatives 4 & 5
Contract No. AE67085000
Sheet 2 of 5

Paleontological Sensitivity

- High Sensitivity
- Low Sensitivity
- No Sensitivity

- Project Area
- Map Area Represented
- Extent of Aerial Photo



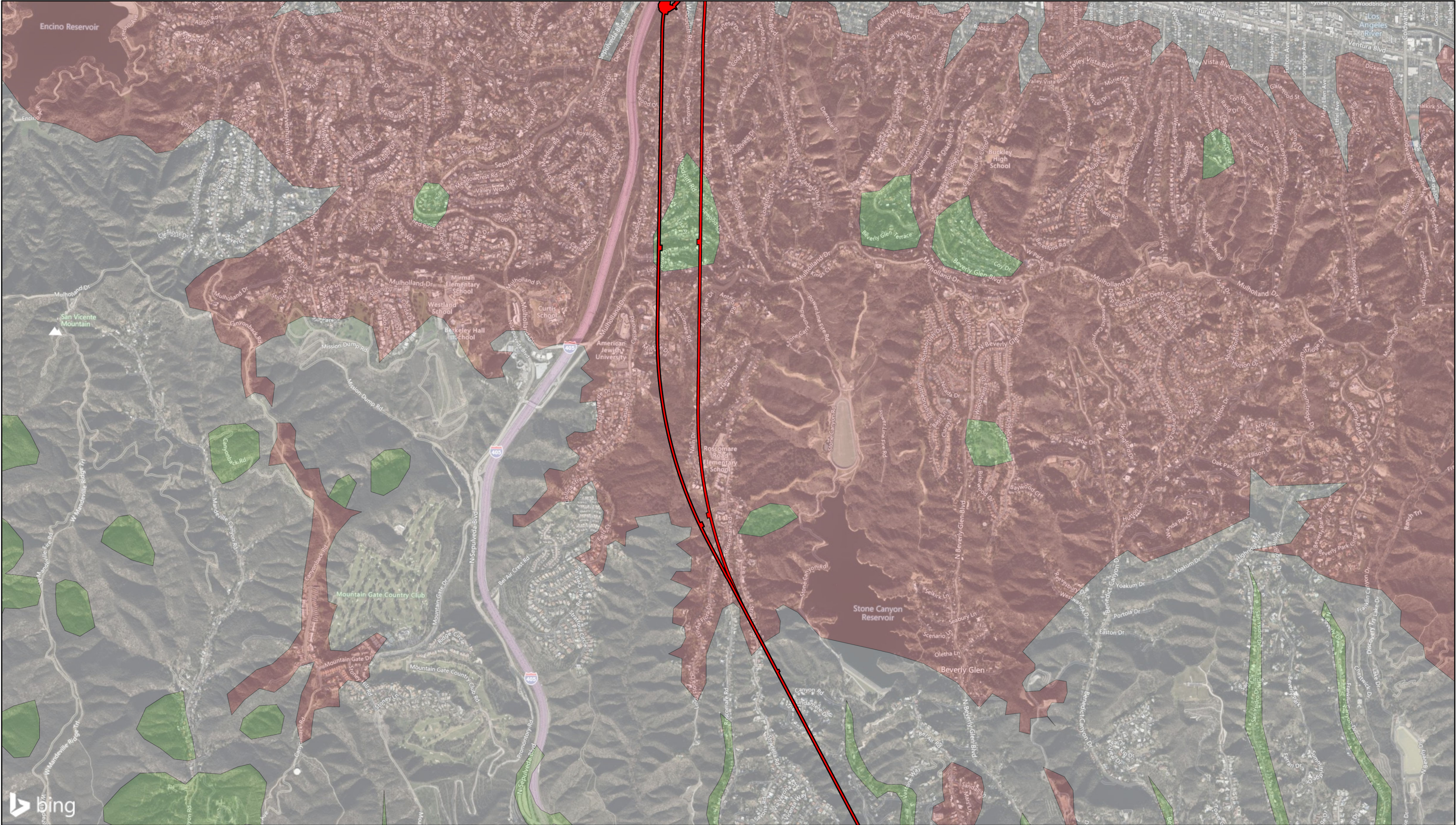


Figure 5b. Project Paleontological Sensitivity
Sepulveda Transit Corridor Project Alternatives 4 & 5
Contract No. AE67085000
Sheet 3 of 5

Paleontological Sensitivity

- High Sensitivity
- Low Sensitivity
- No Sensitivity

Legend

- Project Area
- Map Area Represented
- Extent of Aerial Photo

Scale

0 1,000 2,000 Feet
1:24,000

North Arrow

Inset Map

Oxnard Thousand Oaks Los Angeles Santa Monica Pomona

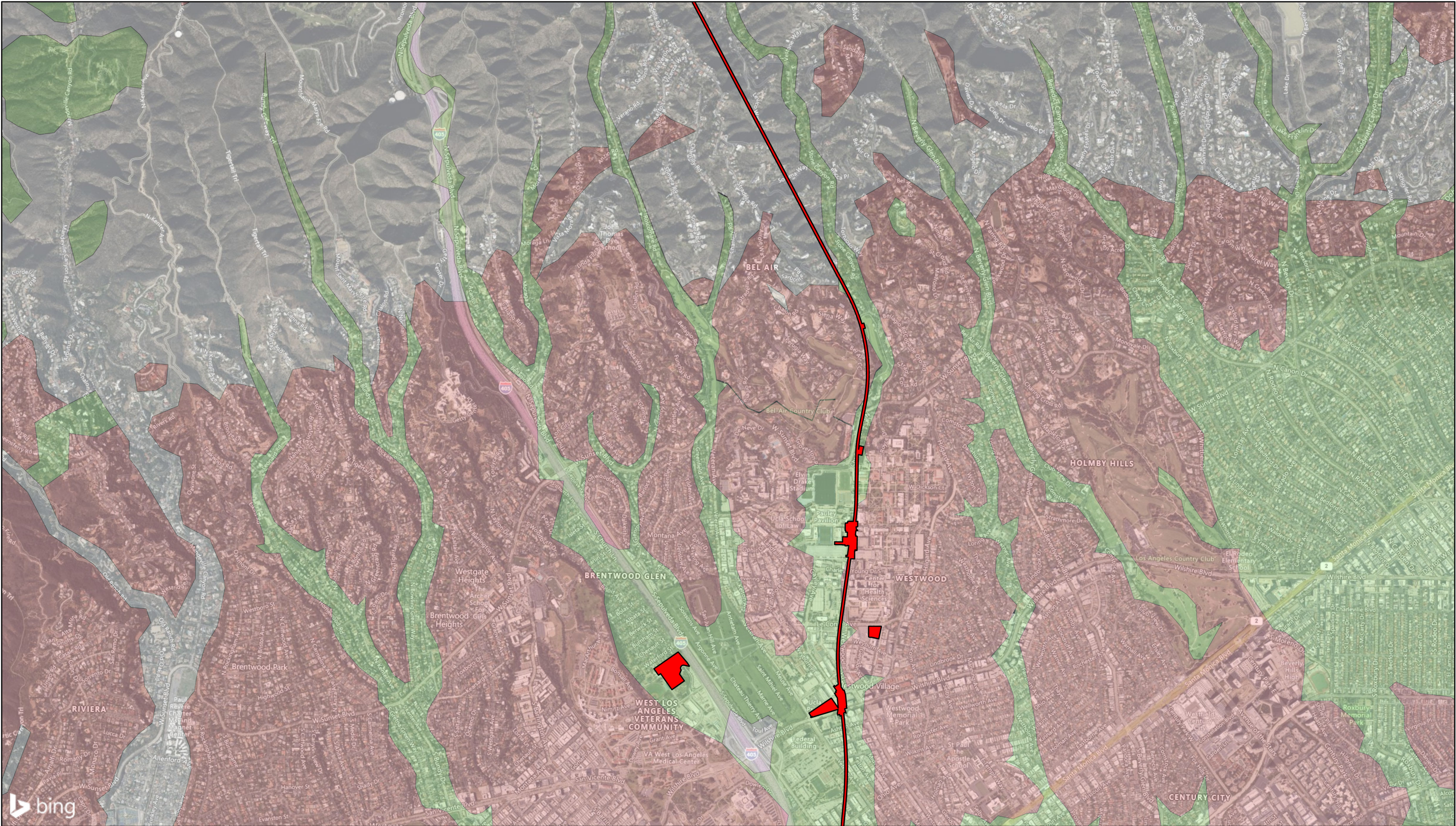


Figure 5b. Project Paleontological Sensitivity
Sepulveda Transit Corridor Project Alternatives 4 & 5
Contract No. AE67085000
Sheet 4 of 5

Paleontological Sensitivity

- High Sensitivity
- Low Sensitivity
- No Sensitivity

Legend

- Project Area
- Map Area Represented
- Extent of Aerial Photo

Inset Map

Oxnard Thousand Oaks Los Angeles Santa Monica Pomona

Scale

0 1,000 2,000 Feet

1:24,000

North Arrow

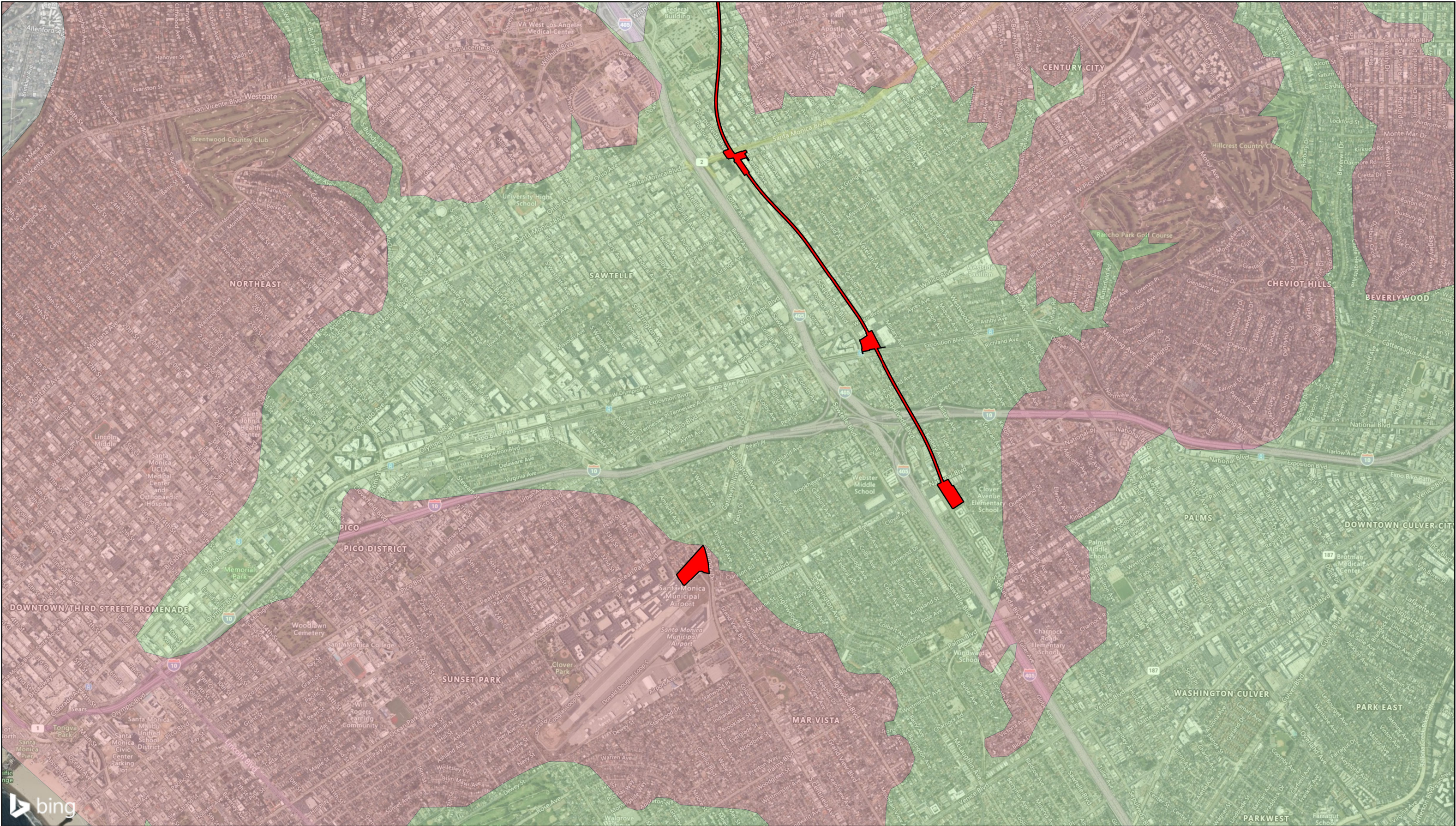


Figure 5b. Project Paleontological Sensitivity
Sepulveda Transit Corridor Project Alternatives 4 & 5
Contract No. AE67085000
Sheet 5 of 5

Paleontological Sensitivity

- High Sensitivity
- Low Sensitivity
- No Sensitivity

Legend

- Project Area
- Map Area Represented
- Extent of Aerial Photo

Scale

0 1,000 2,000 Feet
1:24,000

North Arrow

Inset Map

Oxnard Thousand Oaks Los Angeles Santa Monica Pomona

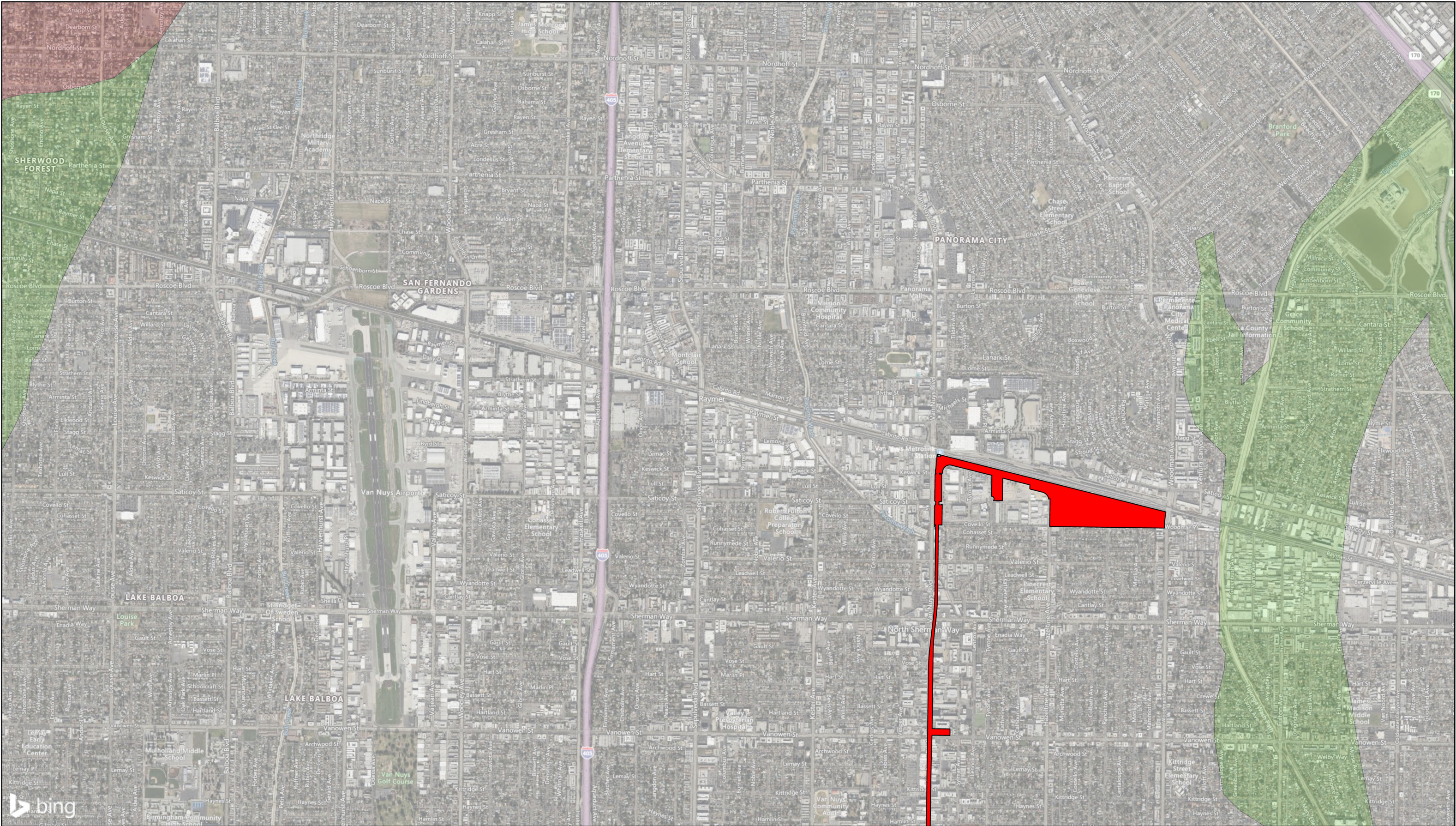


Figure 5c. Project Paleontological Sensitivity
Sepulveda Transit Corridor Project Alternative 6
Contract No. AE67085000
Sheet 1 of 5

Paleontological Sensitivity

- High Sensitivity
- Low Sensitivity
- No Sensitivity

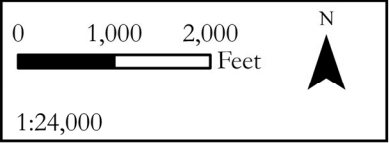
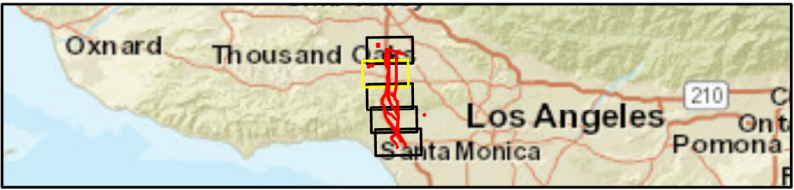
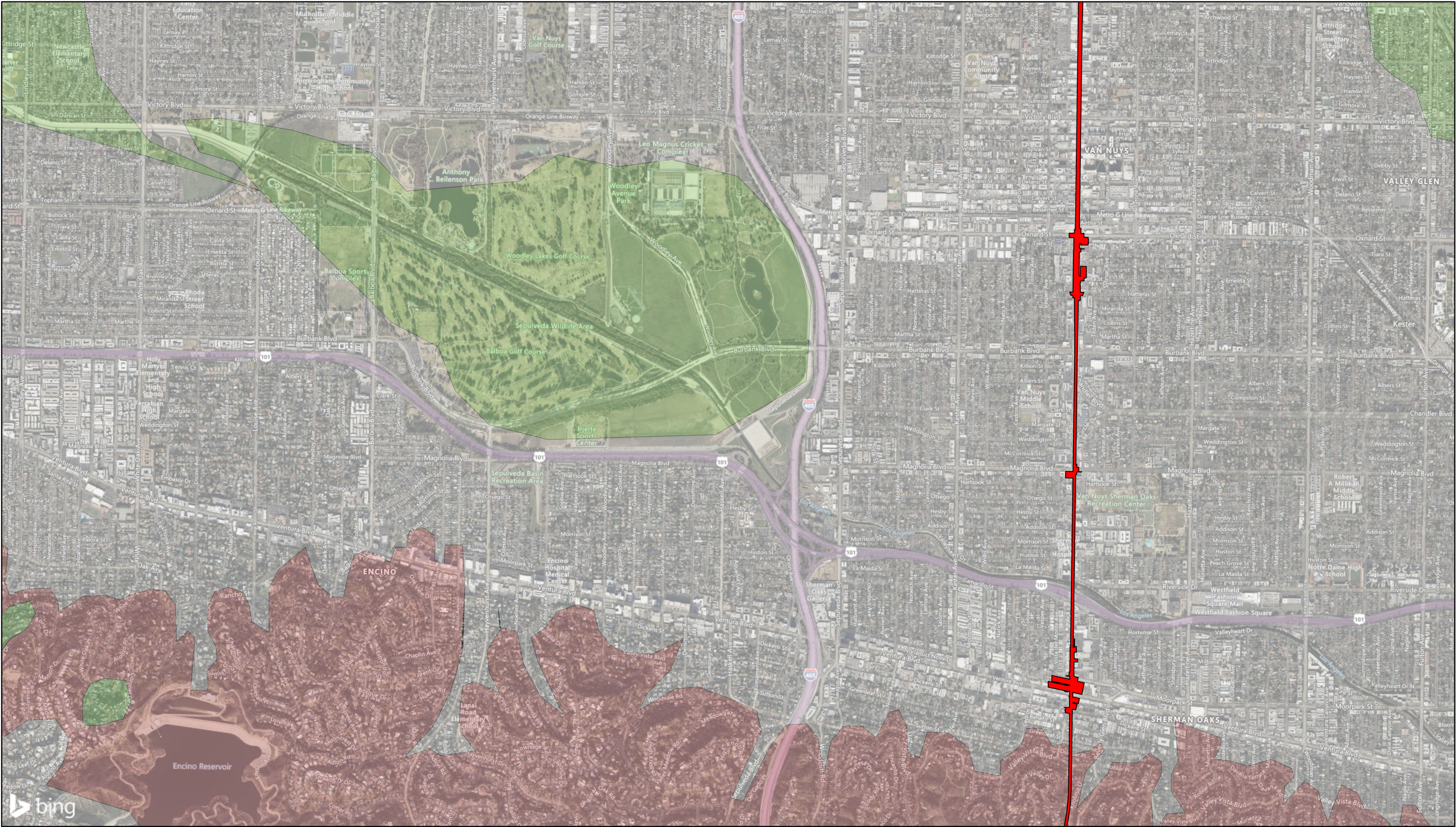
Legend:

- Project Area
- Map Area Represented
- Extent of Aerial Photo

Scale: 0 1,000 2,000 Feet
1:24,000

North Arrow: N

Inset Map: Oxnard Thousand Oaks Los Angeles Santa Monica Pomona



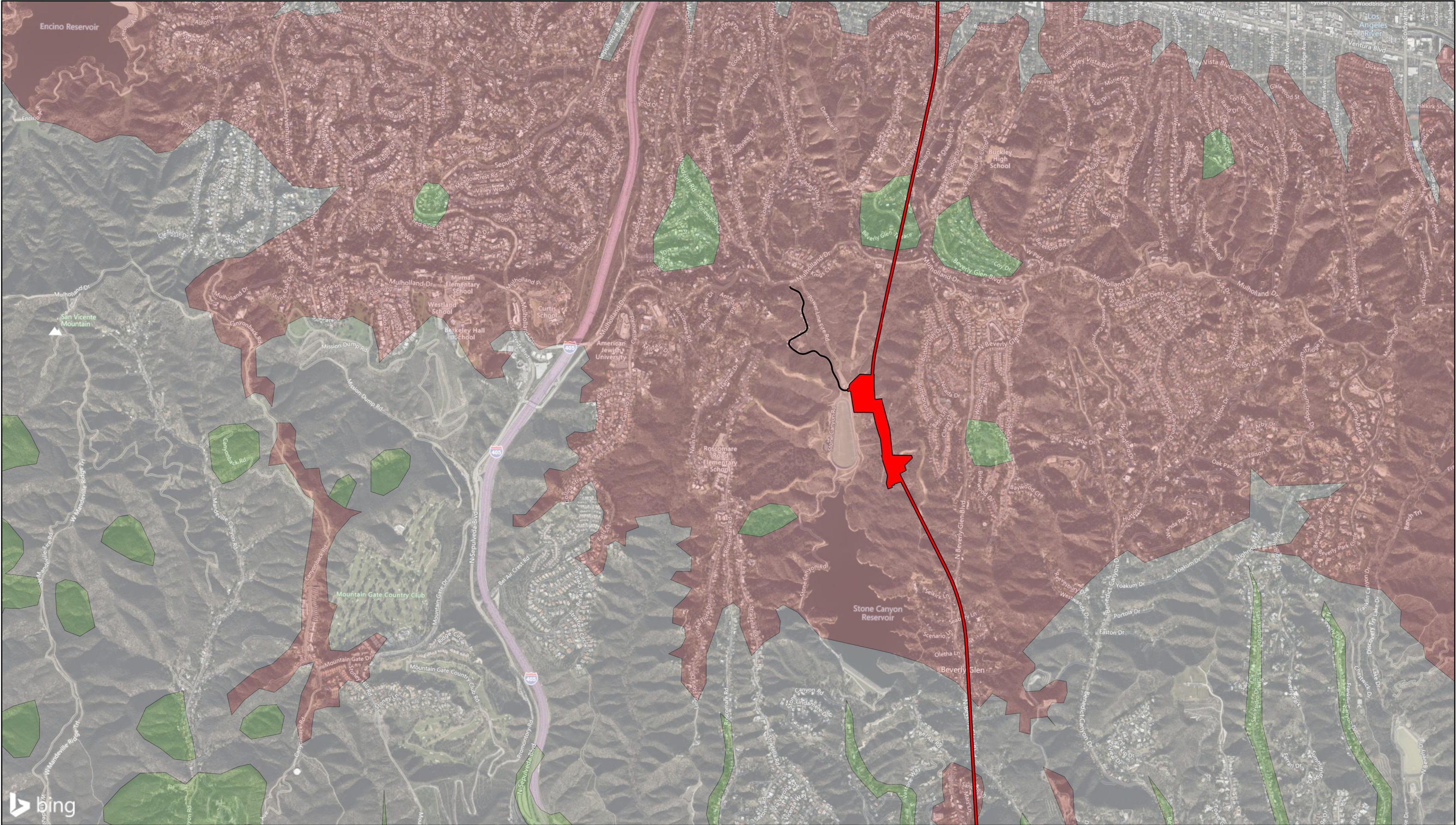


Figure 5c. Project Paleontological Sensitivity

Sepulveda Transit Corridor Project Alternative 6

Contract No. AE67085000

Sheet 3 of 5

Paleontological Sensitivity

- High Sensitivity
- Low Sensitivity
- No Sensitivity

- Project Area
- Map Area Represented
- Extent of Aerial Photo

0 1,000 2,000 Feet

1:24,000

N



Figure 5c. Project Paleontological Sensitivity

Sepulveda Transit Corridor Project Alternative 6

Contract No. AE67085000

Sheet 4 of 5

Paleontological Sensitivity

- High Sensitivity
- Low Sensitivity
- No Sensitivity

Legend

- Project Area
- Map Area Represented
- Extent of Aerial Photo

0 1,000 2,000 Feet

1:24,000

N

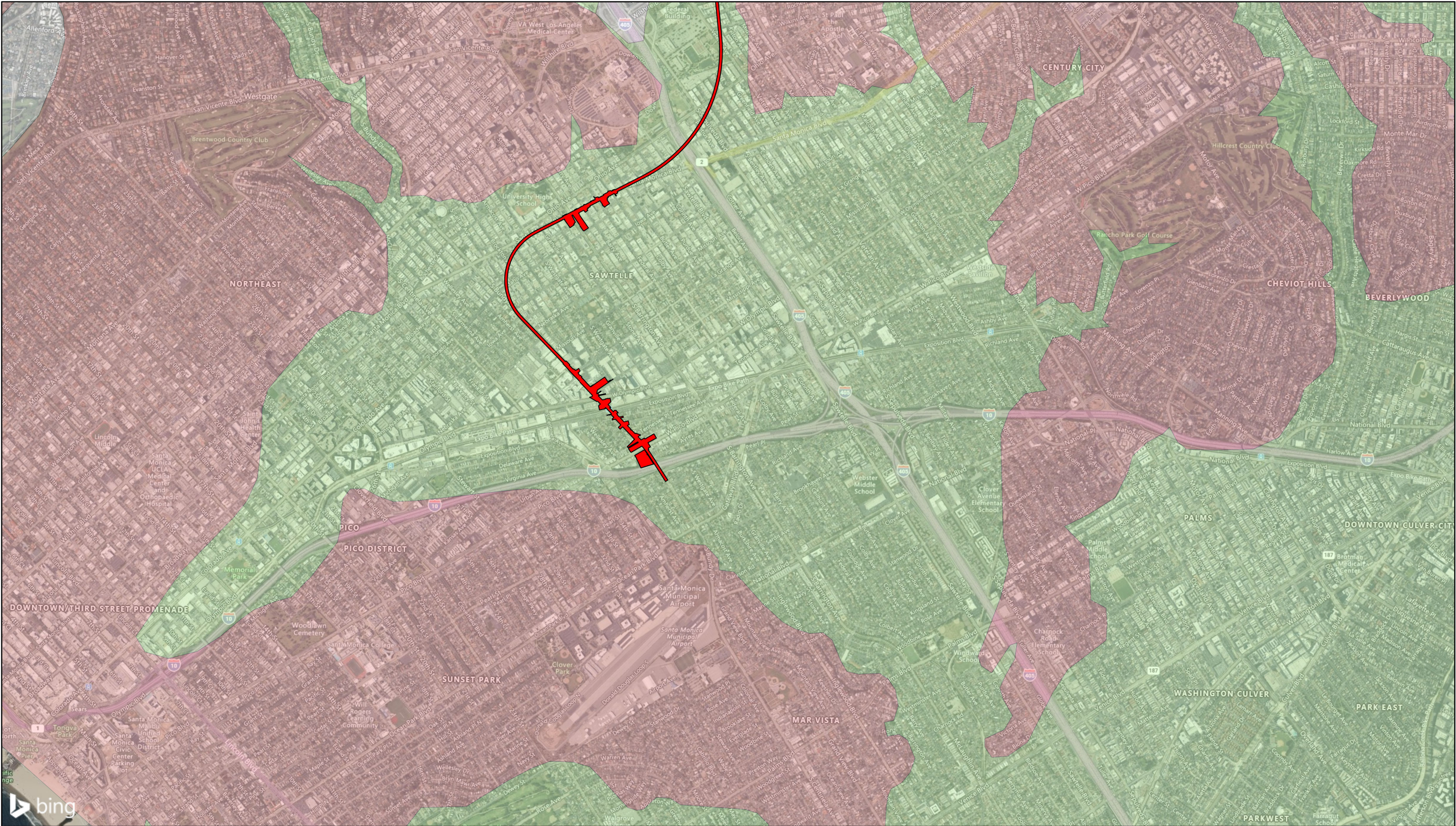


Figure 5c. Project Paleontological Sensitivity
Sepulveda Transit Corridor Project Alternative 6
Contract No. AE67085000
Sheet 5 of 5

Paleontological Sensitivity

- High Sensitivity
- Low Sensitivity
- No Sensitivity

Legend:

- Project Area
- Map Area Represented
- Extent of Aerial Photo

Scale: 0 1,000 2,000 Feet
1:24,000

Location: Oxnard Thousand Oaks Los Angeles Santa Monica Pomona

ATTACHMENT 2

Results of Paleontological Records Search (NHMLAC)



Natural History Museum
of Los Angeles County
900 Exposition Boulevard
Los Angeles, CA 90007
tel 213.763.DINO
www.nhm.org

Research & Collections

e-mail: paleorecords@nhm.org

June 11, 2023

Duke Cultural Resources Management
Attn: Morgan Beigle

re: Paleontological resources for the Sepulveda Corridor Transit Project

Dear Morgan:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for proposed development at the Sepulveda Corridor Transit project area as outlined on the portion of the Van Nuys, Canoga Park, and Beverly Hills USGS topographic quadrangles map that you sent to me via e-mail on June 7, 2023. The collections of the Natural History Museum of Los Angeles County (NHMLA) appear to have fossil localities directly in the project area, as shown in the below table.

Locality Number	Location	Formation	Taxa	Depth
LACM VP 1681	Sepulveda Freeway cut, adjacent to where Royal Ridge Road ends	Modelo Formation	Pipefish (<i>Syngnathus avus</i>)	Unknown
LACM VP 1894	Beverly Glen Canyon on Beverly Glen Boulevard 1/4 mile south of Sumac Road on West side of canyon	Modelo Formation	Fish (Osteichthyes)	Unknown

We have additional fossil localities nearby from the same sedimentary deposits that occur in the proposed project area, either at the surface or at depth. The following table shows the closest of these nearby localities.

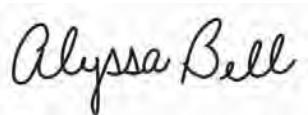
Locality Number	Location	Formation	Taxa	Depth
LACM VP 7879	Penmar Recreation Center; intersection of Penmar Ave and Rose Ave; Venice	Unknown formation (Pleistocene; sandy silty clay)	Rodent (Rodentia); ground sloth (<i>Paramylodon</i>); horse (<i>Equus</i>)	11 - 130 feet bgs
LACM VP 5462	2500 block of Michigan Ave, Santa Monica	Unknown formation (Pleistocene)	American lion (<i>Felis atrox</i>)	6 feet bgs
LACM VP 5833	10580 Wilshire Blvd.; south side of street between Thayer & Westholme	Lakewood Formation (poor to well graded; greyish-brown sand &	Freshwater snails; rodents (Rodentia); horse (<i>Equus</i>)	Unknown

	Avenues in excavation for building called 'The Wilshire'	sandy silt with occasional gravels & grey-black cobbles)		
LACM IP 20153, 1302	E. side of Stone Canyon Reservoir	Tuna Canyon Formation (Thin bed of limestone above red conglomerate)	Invertebrates (uncatalogued)	Surface
LACM IP 23350	Upper Stone Canyon Reservoir; collected from reservoir bottom; 50'-75' north of Gate tower	Modelo Formation	Invertebrates (<i>Mizuhobaris</i>)	Surface
LACM IP 20343	On a ridge just west of Stone Canyon Reservoir north of Stone Canyon Reservoir; about 1/2 mile northwest of Beverly Glen Blvd	Topanga Formation	Invertebrates (<i>Turritella pacheoensis</i> , <i>Mesalia martinezensis</i>)	Surface
LACM IP 20341		Topanga Formation	Invertebrates (<i>Panopea</i> , <i>Clementia</i> , <i>Turritella</i>)	surface
LACM IP 7053	Top of ridge 1 3/4 miles east and 1 1/2 miles north of SE corner of Reseda Quadrangle	Poss. Modelo Formation	Invertebrates (uncatalogued)	Unknown
LACM VP 65112	road cut on the east side of the San Diego Freeway; near Del Gado Dr.	Modelo Formation	Unspecified vertebrates	Unknown
LACM IP 438	Woodcrest Drive off Sepulveda Blvd; Encino	Altamira Shale	Invertebrates (<i>Rhyssomatus</i>)	Unknown
LACM VP 6208, 3263	Burbank Blvd. & Kester Ave. in Van Nuys	Unknown formation (Pleistocene)	Bison (<i>Bison</i>); Horse family (Equidae)	20 feet bgs
LACM VP 3822	Calvert St, S of Sylvan Park School, Van Nuys	Unnamed lacustrine deposit (Pleistocene)	Bison (<i>Bison</i>)	75-100 feet bgs

VP, Vertebrate Paleontology; IP, Invertebrate Paleontology; bgs, below ground surface

This records search covers only the records of the NHMLA. It is not intended as a paleontological assessment of the project area for the purposes of CEQA or NEPA. Potentially fossil-bearing units are present in the project area, either at the surface or in the subsurface. As such, NHMLA recommends that a full paleontological assessment of the project area be conducted by a paleontologist meeting Bureau of Land Management or Society of Vertebrate Paleontology standards.

Sincerely,



Alyssa Bell, Ph.D.
Natural History Museum of Los Angeles County

enclosure: invoice