

# **HABITAT ASSESSMENT FOR MOHAVE GROUND SQUIRREL**

**CUTTING EDGE CONCRETE**

**CONDITIONAL USE PERMIT**

**P201100453**

**APN 0468281-26**

**SAN BERNARDINO COUNTY, CALIFORNIA**

**(USGS Victorville, CA Quad.; Township 6 North, Range 4 West, Section 29)**

*Owner/Applicant*

**Cutting Edge Concrete  
P.O. Box 398  
Oro Grande, CA 92368  
(760) 955-2888**

*Prepared by:*

**RCA Associates, LLC  
15555 Main Street, #D4-235  
Hesperia, California 92345  
Ryan Young  
Principal Investigator  
(760) 956-9212**

**Report prepared by: Ryan Young & Randall Arnold  
(760) 956-9212**

**Project No: RCA#2012-7B**

**June 2, 2012  
(Date Report Prepared)**

## Table of Contents

<b>Section</b>	<b>Page</b>
Executive Summary	1
1.0 Project and Property Description	2
2.0 Literature/Records Review for Mohave Ground Squirrel	7
3.0 Methodology	8
4.0 General Biological Survey Results	9
5.0 Results – Mohave Ground Squirrel	11
6.0 Impacts and Recommendations	12
7.0 Proposed Mitigation Measures	13
8.0 References	14
List of Tables	
Mohave Ground Squirrel Occurrences	
List of Figures	
Vicinity Map	
Aerial Photographs	
Mohave Ground Squirrel Distribution Map	
List of Site Photographs	
Appendix A – Flora and Fauna Compendium Tables	
Certification for Mohave Ground Squirrel	

## EXECUTIVE SUMMARY

The project proponent is proposing to construct an office building on a 5.63-acre parcel located at 18020 National Trails Highway in Section 29, Township 6 North, range 5 West in San Bernardino County. An existing metal building and office (previously converted from a single-family dwelling) are located in the northern portion of the site, and most of the rest of the site is used for parking various vehicles and storing materials. Very little native vegetation currently exists on the site due to past and on-going human activities. Only a few rabbitbrush (*Chrysothamnus depressus*) and saltbush (*Atriplex canescens*) plants were observed along with various annuals.

The property is located within the known distribution of the Mohave ground squirrel; therefore, a habitat assessment was performed for the species on May 21, 2012. The habitat assessment was performed by Ryan Young from approximately 0630 to 0930 hours. Mr. Young holds a Memorandum of Understanding (MOU) from California Department of Fish and Game (CDFG) for the species.

**The site does not supports suitable habitat for the Mohave ground squirrel based on several criteria outlined in the following sections. Based on the results of the assessment, the proponent will not be required to mitigate for potential impacts to the species; however, CDFG should be contacted for concurrence with this conclusion (Eric Weiss, [eweiss@dfg.ca.gov](mailto:eweiss@dfg.ca.gov)).**

## 1.0 PROJECT AND PROPERTY DESCRIPTION

The property consists of land which has been used for various human activities over the last several years. An existing metal building and an office building are located in the northern part of the site. Most of the remaining portion is utilized for parking various vehicles and/or storage of materials. In addition, gravel covers much of the eastern portion.

The parcel is located at 18020 National Trails Highway and is about 5.63-acres in size (gross). It is located in San Bernardino County (Township 6 North, Range 4 West, Section 29) at an elevation ranging from about 2660 to 2700 feet (MSL). Soils have been significantly disturbed; however, they appear to be primarily sandy loam. No water resources were observed on the site and the USGS Victorville Quadrangle (1956) does not show any blueline channels on the site. No sensitive wildlife habitats, sensitive wildlife species, or wildlife corridors were associated with the site. Weather conditions during the May 21, 2012 survey consisted of winds of 0 to 5 mph, temperatures in the low 50's to low 70's (AM, °F) with about 5 percent cloud coverage. The site is surrounded by vacant lands; although, there are a few single-family dwellings within about 0.5 miles of the site. The site supports very little native vegetation with only a few rabbitbrush (*Chrysothamnus depressus*) and saltbush (*Atriplex canescens*) shrubs observed primarily in the southwest portion of the site. Annuals consisted of erodium (*Erodium texanum*), schismus (*Schismus barbatus*), buckwheat (*Eriogonum fasciculatum*) and brome grass (*Bromus* sp.). Section 4.0 provides a more detailed discussion of the biological resources. The project map is provided below (Figure 1), and the USGS quadrangle map is provided in Figure 2. Figure 3 provides photographs of the site.

The proponent is proposing to construct a new office building in the location where the current office building is located. The existing office building was previously used as a single-family dwelling and will be removed prior to the start of construction activities. Pavement will also be installed around the new building as depicted on Figure 1.

# SAN BERNARDINO COUNTY CONDITIONAL USE PERMIT

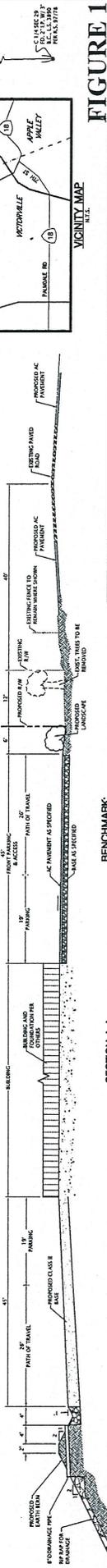
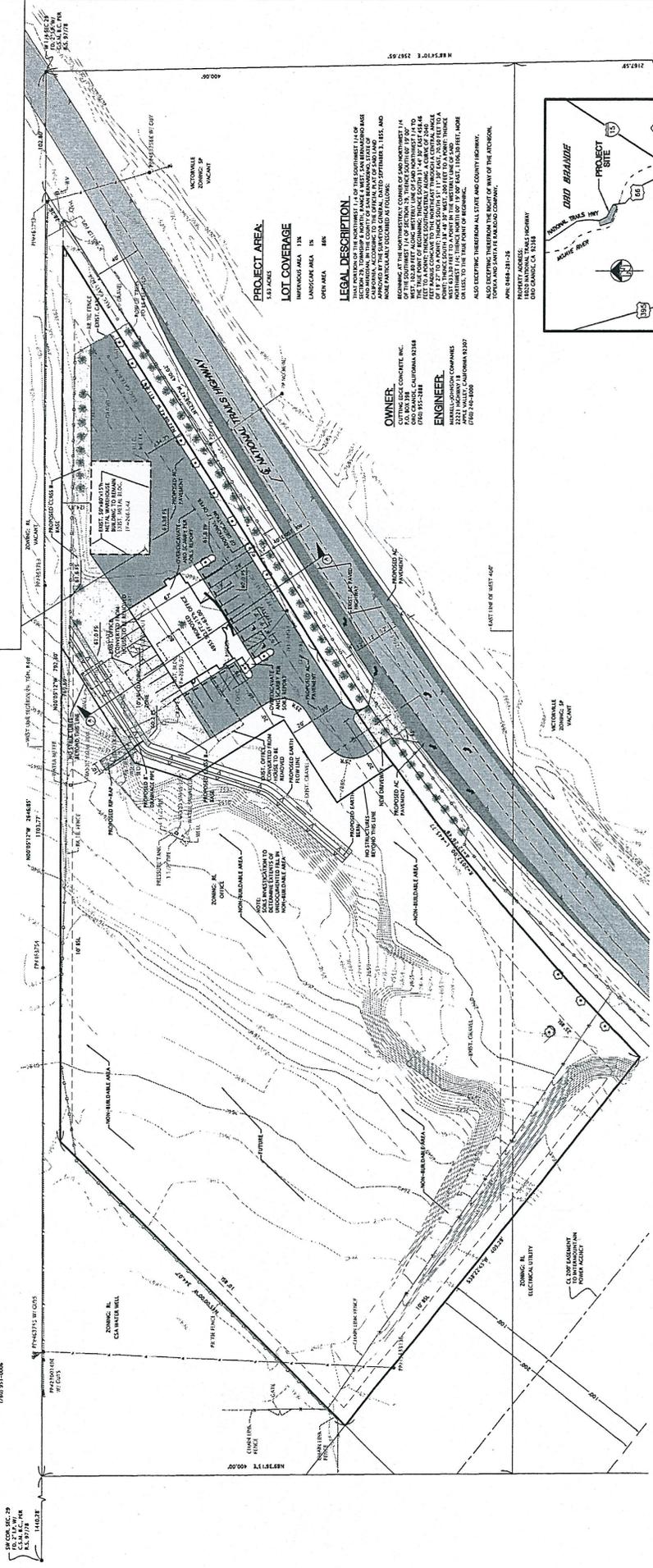
FOR OFFICIAL USE ONLY

**GENERAL NOTES:**  
 1. THIS PLAN AND SPECIFICATIONS ARE PART OF THE PROJECT.  
 2. THERE ARE NO PROTECTED AREAS ON THE SITE.

LAND USE	RATE	BLDG SIZE	REQ.	PROVIDED
OFFICE	12750/SQ.FT.	4993 SQ.FT.	4	29
TOTAL			4	29

MIN. ACCESSIBLE SPACES FOR DEAFBLIND  
 DEAFBLIND SPACE  
 LOADING ZONE

**UTILITIES:**  
 ELECTRIC: SOUTHERN CALIFORNIA ELECTRIC CO. (SCE) 12371 HEDDING ROAD, REDDING, CALIFORNIA 92422 (951) 951-1000  
 TELEPHONE: VERIZON WIRELESS COMMUNICATIONS 12371 HEDDING ROAD, REDDING, CALIFORNIA 92422 (951) 245-4321  
 WATER: METROPOLITAN WATER DISTRICT OF CALIFORNIA 12371 HEDDING ROAD, REDDING, CALIFORNIA 92422 (951) 245-1000



**LEGAL DESCRIPTION:**  
 THE PROJECT AREA IS A 4.83 ACRES LOT COVERAGE LOT, LOTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

**BENCHMARK:**  
 THE BENCHMARK IS A 1.5\"/>

**BASIS OF BEARINGS:**  
 ALL BEARINGS ARE FROM THE METRIC LINE OF SECTION 24, T4N, R10W, S14E, AS SHOWN ON THE PLAT OF SECTION 24, T4N, R10W, S14E, FILED FOR RECORD IN THE COUNTY CLERK'S OFFICE, SAN BERNARDINO COUNTY, CALIFORNIA, ON 08/15/2011.

**OWNER:**  
 CUTTING EDGE CONCRETE, INC.  
 1000 S. MAIN STREET, SUITE 100  
 ANAHEIM, CALIFORNIA 92801  
 (714) 951-1888

**ENGINEER:**  
 MERRELLJOHNSON COMPANIES  
 2200 W. VALLEY BLVD., SUITE 200  
 ANAHEIM, CALIFORNIA 92807  
 (714) 951-1888

**PROJECT ADDRESS:**  
 1000 S. MAIN STREET, SUITE 100  
 ANAHEIM, CALIFORNIA 92801

**APN:** 0468-281-26

**APN:** 0468-281-26

**FOR:**  
 CUTTING EDGE CONCRETE

**FIGURE 1**

**CONDITIONAL USE PERMIT**

**SITE PLAN**

**APN: 0468-281-26**

**FOR:**  
 CUTTING EDGE CONCRETE

**APN: 0468**

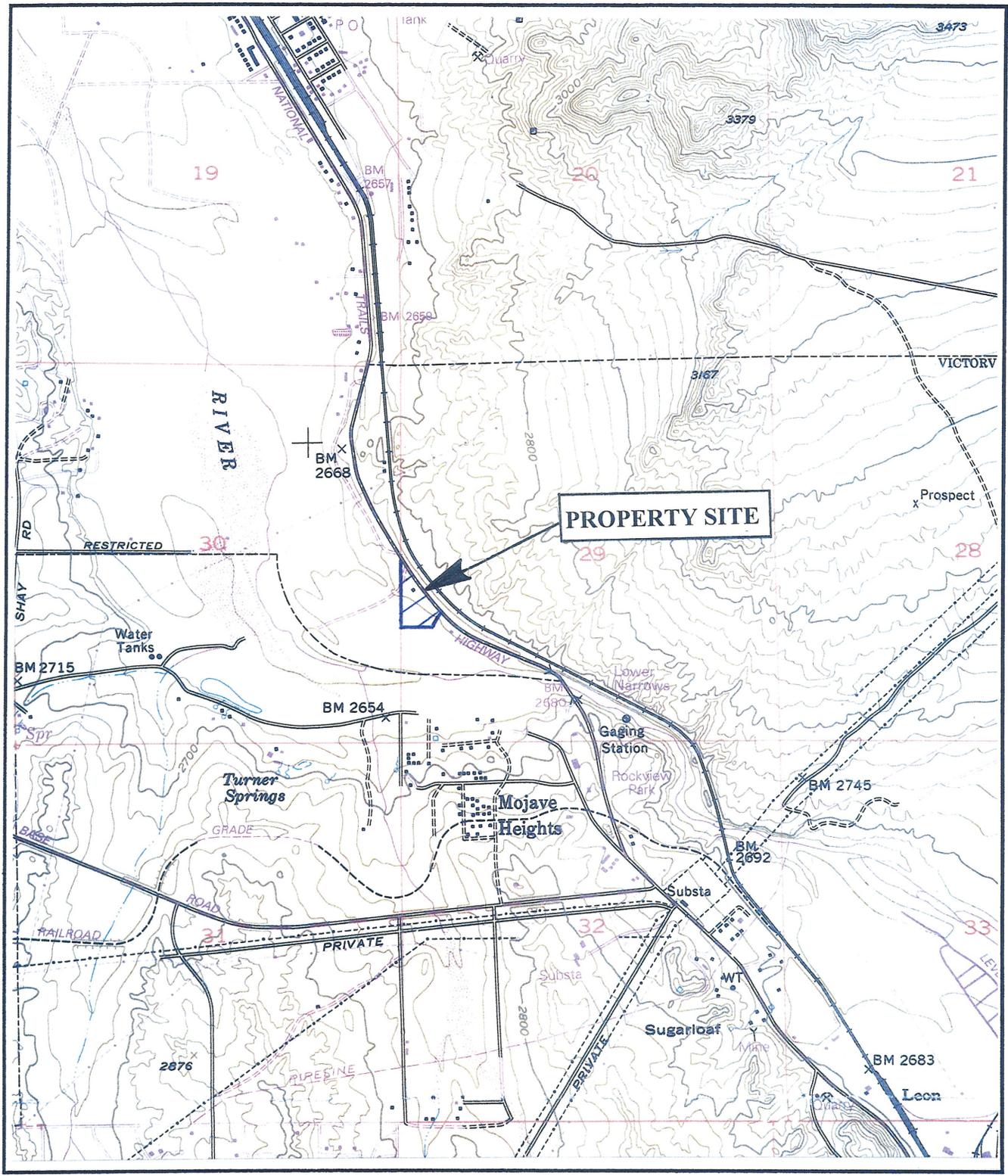
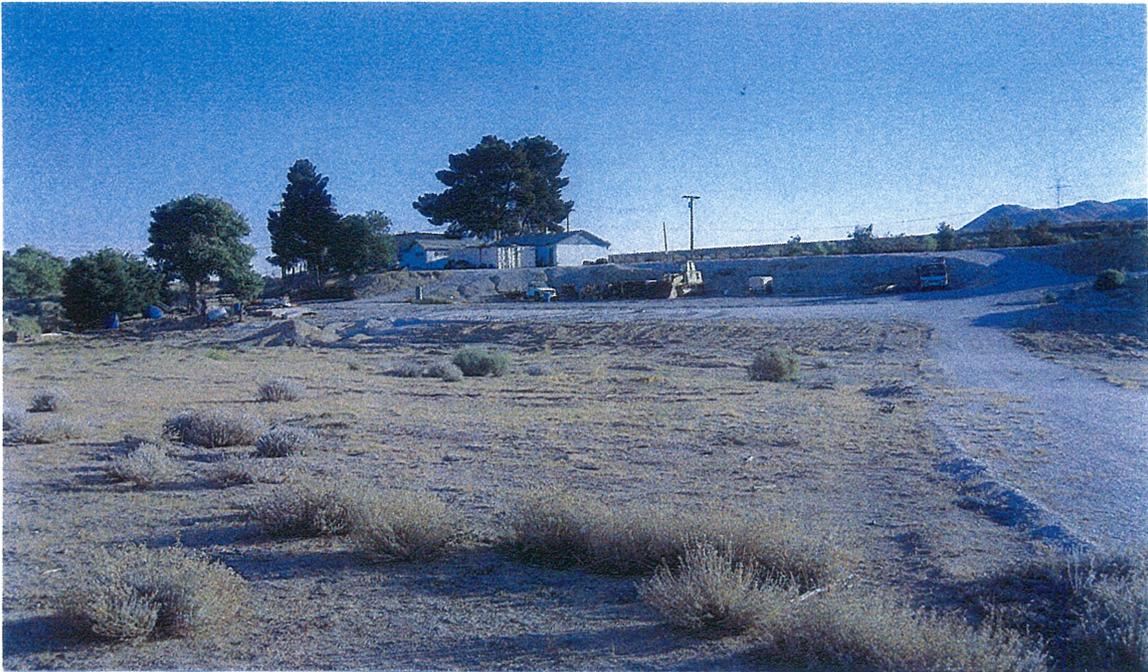


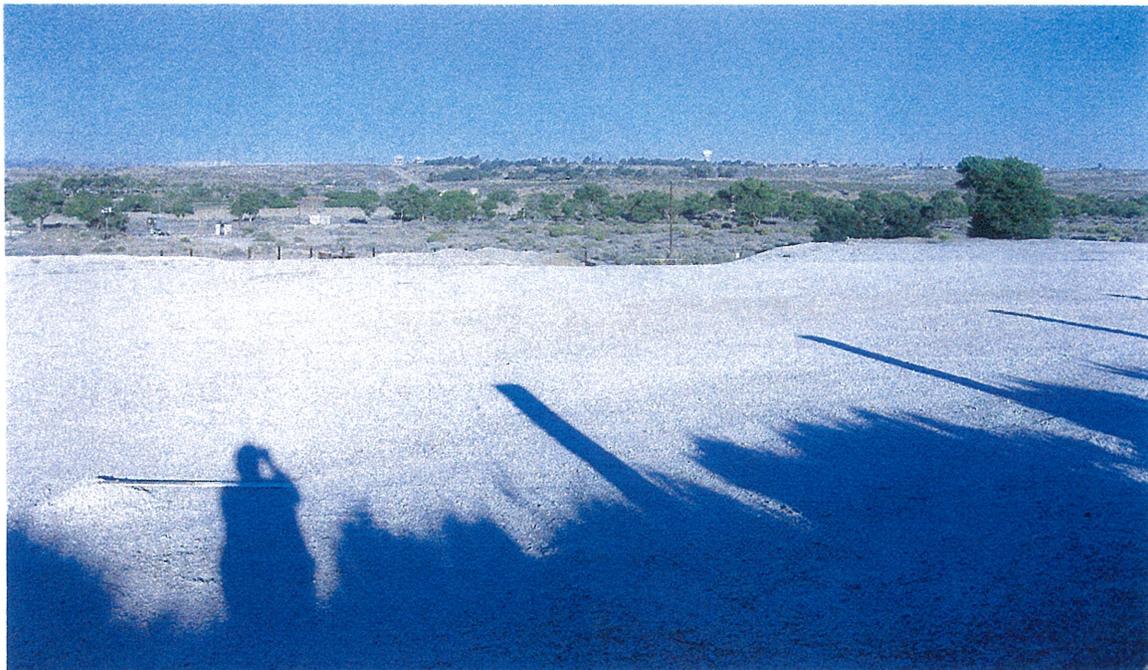
FIGURE 2

USGS Victorville, CA Quadrangle  
 (Cutting Edge Concrete, APN 0468-281-26)  
 (Source: USGS)





SW CORNER LOOKING NE



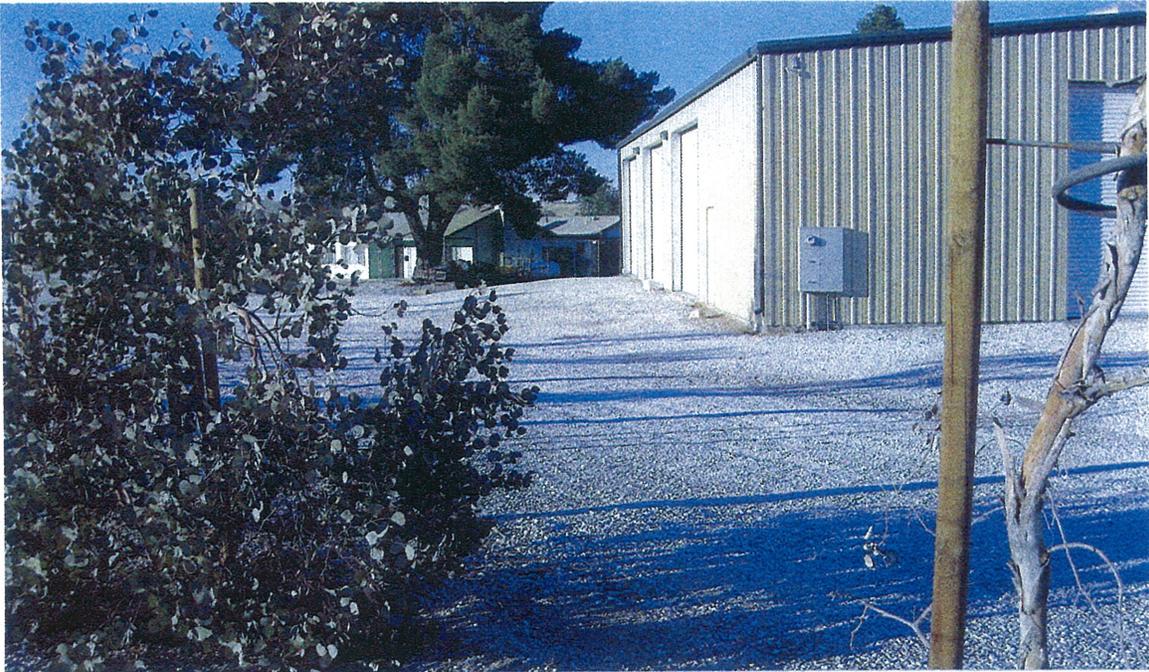
SE CORNER LOOKING NW

FIGURE 3

**SITE PHOTOGRAPHS**  
(CUP, Cutting Edge Concrete APN 0468-281-26)



NW CORNER LOOKING SE



NE CORNER LOOKING SW

**FIGURE 3, cont.**

**SITE PHOTOGRAPHS**  
(CUP, Cutting Edge Concrete APN 0468-281-26)

## 2.0 LITERATURE/RECORDS REVIEW FOR MOHAVE GROUND SQUIRREL

As part of the environmental process, California Department of Fish and Game (CDFG) and U.S. Fish and Wildlife Service (USFWS) data sources were reviewed prior to initiation of field surveys to determine if populations of the Mohave ground squirrel have been documented on the site or in the area surrounding the property. Based on the literature review and evaluation of the CNDDDB database for the Baldy Mesa quadrangle, it was determined that the site is located within the general distribution of the Mohave ground squirrel.

CNDDDB records indicate that the closest known occurrence of the species is about one mile south of the property (CNDDDB, 2012). This occurrence (#283) is a male squirrel which was collected in 1980 and is currently stored at the Kansas University Museum. The second closest observation (Occurrence #12) is 2.5 miles east of the site and was live-trapped in 1977. An additional observation was made in 1987 of an individual (Occurrence #258) about four miles northwest of the property.

The species is known to occur in the western Mojave Desert in portions of four counties including Inyo, Kern, San Bernardino, and Los Angeles (Clark, D 1991). The distribution of the Mohave ground squirrel is quite limited as compared to the distribution of other ground squirrel species (Hall, R. 1981 in Clark, D 1991). The Mohave ground squirrel is found in several habitat types throughout the Mojave Desert including creosote bush scrub, saltbush scrub, and Joshua tree woodland communities. Degradation and destruction of the species' habitat and isolation of individual populations appear to be the primary factors in the species' decline (Clark, D. 1991).

### **3.0 METHODOLOGY**

The habitat assessment was performed on May 21, 2012 by Ryan Young. As per CDFG requirements, Mr. Young evaluated the vegetation on the site as well as in the surrounding area to determine if the dominant plant community in the area was representative of those associated with the Mohave ground squirrel. In addition to the field investigations, a background database search was performed using the CNDDDB Rarefind 3 along with supplemental references for the species, including the CDFG Mohave ground squirrel survey Guidelines.

Field investigations included walking meandering transects throughout the site during which a vegetation list was compiled, and the site evaluated for the presence of plants that are frequently utilized by the squirrel for food. All transects were walked at a pace that allowed careful observations along the transect routes for the presence of any small mammal burrows. Additional field notes were recorded regarding native plant assemblages, wildlife sign, and human affects in order to determine the presence or absence of suitable Mohave ground squirrel habitat. Surveys were performed on the site and in the surrounding area from about 0630 to about 0930 hours. Temperatures during the May survey were in the low 50's (AM, °F) to low 70's (PM, °F), wind speeds of about 0 to 5 mph (mainly from the north), and cloud coverage of about 5 percent. No precipitation was recorded during the survey.

#### **Limitations:**

The results of the habitat assessment and the results presented in this report do not constitute authorization for the "take" of the Mohave ground squirrel or any other listed or sensitive wildlife species. The authorization to impact the species can only be granted by CDFG. If Mohave ground squirrels are observed during future project activities, the activities should cease immediately and CDFG should be contacted to discuss mitigation measures which may be required for the species.

#### 4.0 GENERAL BIOLOGICAL SURVEY RESULTS

The site has been significantly disturbed by past activities, and currently supports very little native vegetation (Figure 4). Only a few native shrubs were noted during the field investigations and included rabbitbrush and saltbush primarily in the southwestern portion of the site. A few yellow-green matchweed shrubs (*Gutierrezia sarothrae*) and buckwheat (*Eriogonum fasciculatum*) were also observed. Annuals were composed primarily of erodium (*Erodium texanum*), schismus (*Schismus barbatus*), and bromus grass (*Bromus* sp.). A few eucalyptus trees (*Eucalyptus globulus*) have been planted along the eastern edge of the property and a few large deciduous trees were also present adjacent to the existing office. Table 1 provides a compendium of plants observed on the property (Appendix A).

Only a few wildlife species were identified during the field investigations conducted on May 21, 2012 from 0630 to 0930 hours. Birds observed were limited to morning doves (*Zenaida macroura*), ravens (*Corvus corax*), song sparrow (*Melospiza melodia*) and western kingbirds (*Tyrannus verticalis*). No reptiles were observed, although, side-blotched lizards (*Uta stansburiana*) and western whiptail lizards (*Cnemidophorus tigris*) are relatively common in the area and may occur on the property. In addition, no mammals were identified but small mammals such as antelope ground squirrels (*Ammospermophilus leucurus*), desert cottontail rabbits (*Sylvilagus auduboni*), and Merriam's kangaroo rats (*Dipodomys merriami*), may occur on the site as well. No wildlife corridors were identified on the site or in the immediate surrounding area, and no breeding activities were observed among any of the wildlife species. Table 2 (Appendix A) provides a compendium of wildlife species observed on the site and other species known to occur in the region.

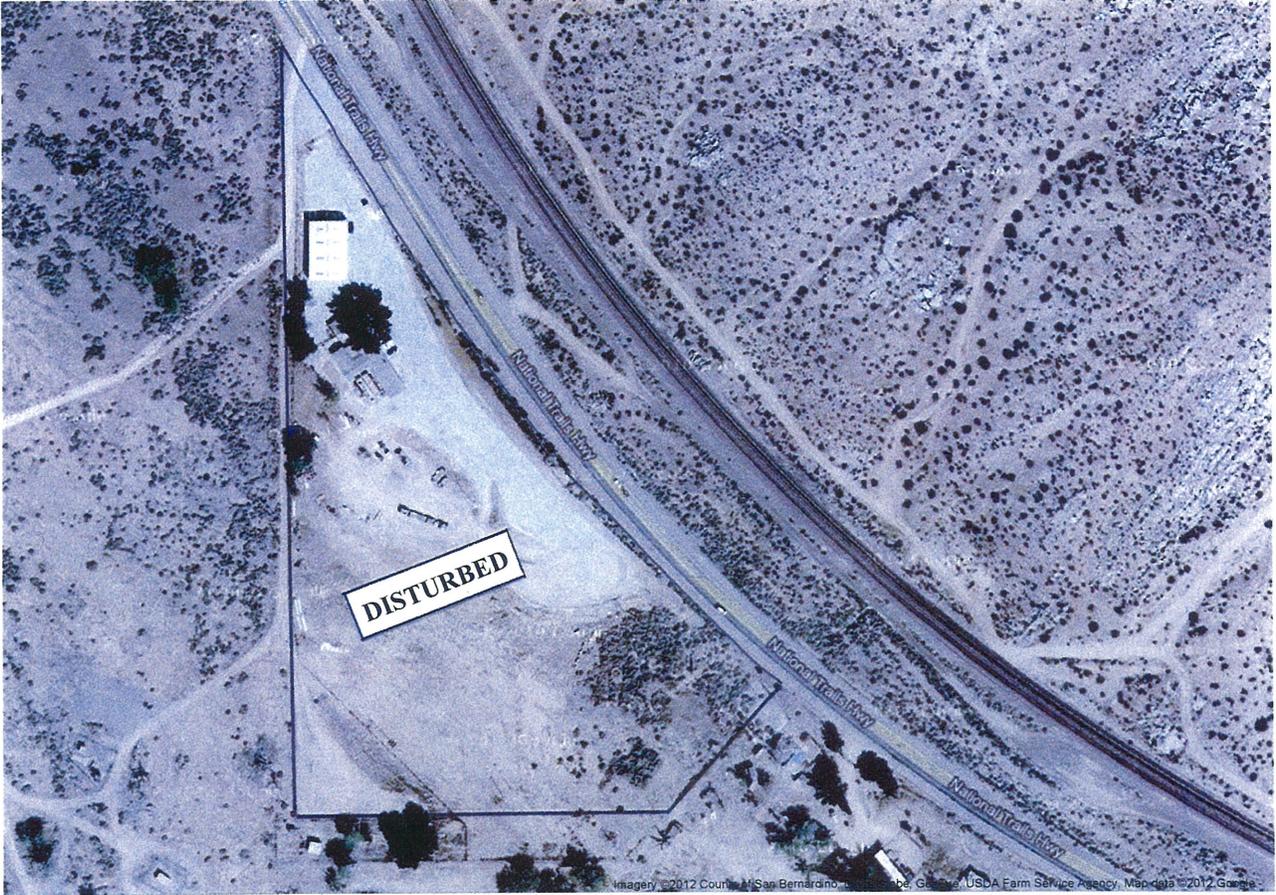


FIGURE 4

BIOLOGICAL RESOURCES MAP  
(Cutting Edge Concrete, APN 0468-281-26)  
(Source: Google Maps, 2012)



## **5.0 RESULTS – MOHAVE GROUND SQUIRREL**

The site does not support suitable habitat for the Mohave ground squirrel based on the habitat assessment conducted on the site on May 21, 2012. This conclusion was based on the following criteria. (Note: The local CDFG representative, Mr. Eric Weiss, should be contacted for concurrence with this conclusion. [eweiss@dfg.ca.gov](mailto:eweiss@dfg.ca.gov))

1. Site has been significantly disturbed by past development activities.
2. Site support very few native shrub species.

Regardless of the results of the habitat assessment, Mohave ground squirrels cannot be taken under State law. The survey report and any mitigation included do not constitute authorization for incidental take of the species. If the species is observed during future site activities, all on-site activities should cease immediately and CDFG should be contacted. The Mohave ground squirrel has been listed by the California Department of Fish and Game as a threatened species, thereby giving the animal protection under the California Endangered Species Act.

## 6.0 IMPACTS AND RECOMMENDATIONS

Construction of the proposed project will not have a direct or indirect impact on the species or potential Mohave ground squirrel habitat. The site does not support suitable habitat for the species and populations of the species are not expected to occur on the site. Therefore, the proponent will not need to apply for an Incidental Take Permit (2081 permit) from CDFG or provide any mitigation fees. However, the local CDFG representative (Eric Weiss, [eweiss@dgfg.ca.gov](mailto:eweiss@dgfg.ca.gov)) should be contacted for concurrence with this conclusion.

If the site is modified by grading or otherwise disturbed prior to project approval and prior to acquisition of the Incidental Take Permit, which results in the loss of suitable habitat for the species, CDFG and the County Building and Safety Department should be notified. Such action prior to project approval will violate the State endangered species law and may be considered grounds for denial of the project. Mitigation and restoration plans will also be required under such actions.

## **7.0 PROPOSED MITIGATION MEASURES**

The site does not support suitable habitat for the Mohave ground squirrel; therefore, no mitigation measures are proposed at the present time. However, if the species is observed during future development activities, CDFG should be contacted to discuss mitigation measures which may be required.

## 8.0 REFERENCES

- California Department of Fish and Game  
1990 California's Wildlife, Volumes 1, 2, and 3. Sacramento.
- California Department of Fish and Game  
2012 Natural Diversity Data Base. Sacramento
- Holing, Dwight  
1998 California Wild Lands. Chronical Books. San Francisco, CA. 211 pp.
- Holland, Robert F.  
1986 Preliminary Description of the Terrestrial Natural Communities of California. Prepared for the California Natural Diversity Data Base. California Department of Fish and Game. Sacramento, California. 160 pp.
- Johnson, H.  
1976 vegetation and Plant Communities of Southern California Deserts- a functional view. In Symposium proceedings: Plant communities of Southern California. June Latting, editor. California Native Plant Society, Spec. No. 2 Berkeley, CA.

**LIST OF TABLES**

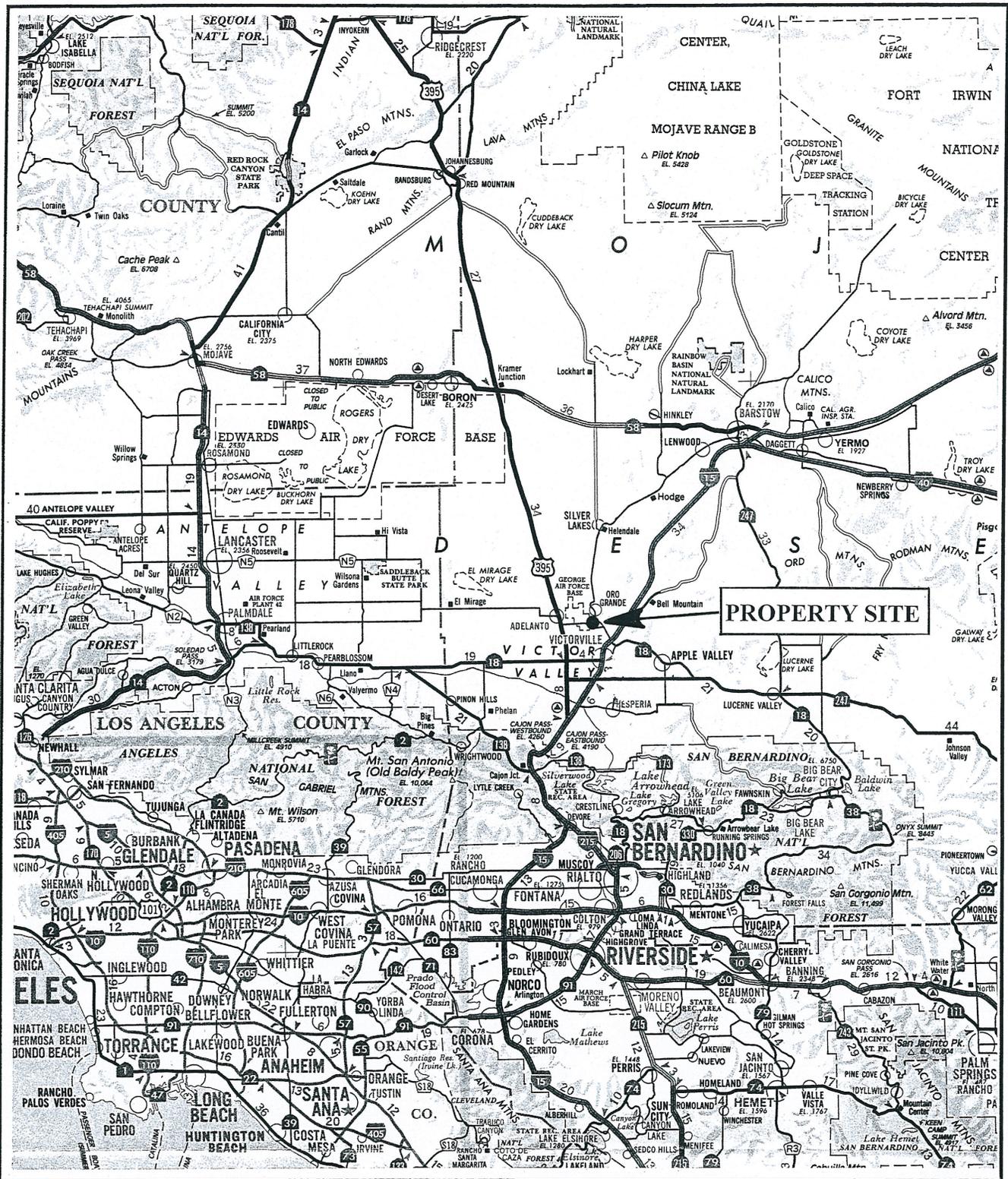
**Mohave Ground Squirrel Occurrence Table**

**Mohave ground squirrel occurrences within ten miles of the site based on California Natural Diversity Data Base (2012).**

Name	Listing Status	Habitat Requirements	Presence/Absence	Comments
Mohave ground squirrel ( <i>Spermophilus mohavensis</i> )	Fed: None State: T	Desert scrub	Site does supports suitable habitat for the species. Native vegetation evenly distributed throughout the site.	A. Occurrence #307; 3.1 miles south of site.  B. Occurrence #318; 6.9 miles east of site.  C. Occurrence #46; 7.9 miles north of site.

**LIST OF FIGURES**

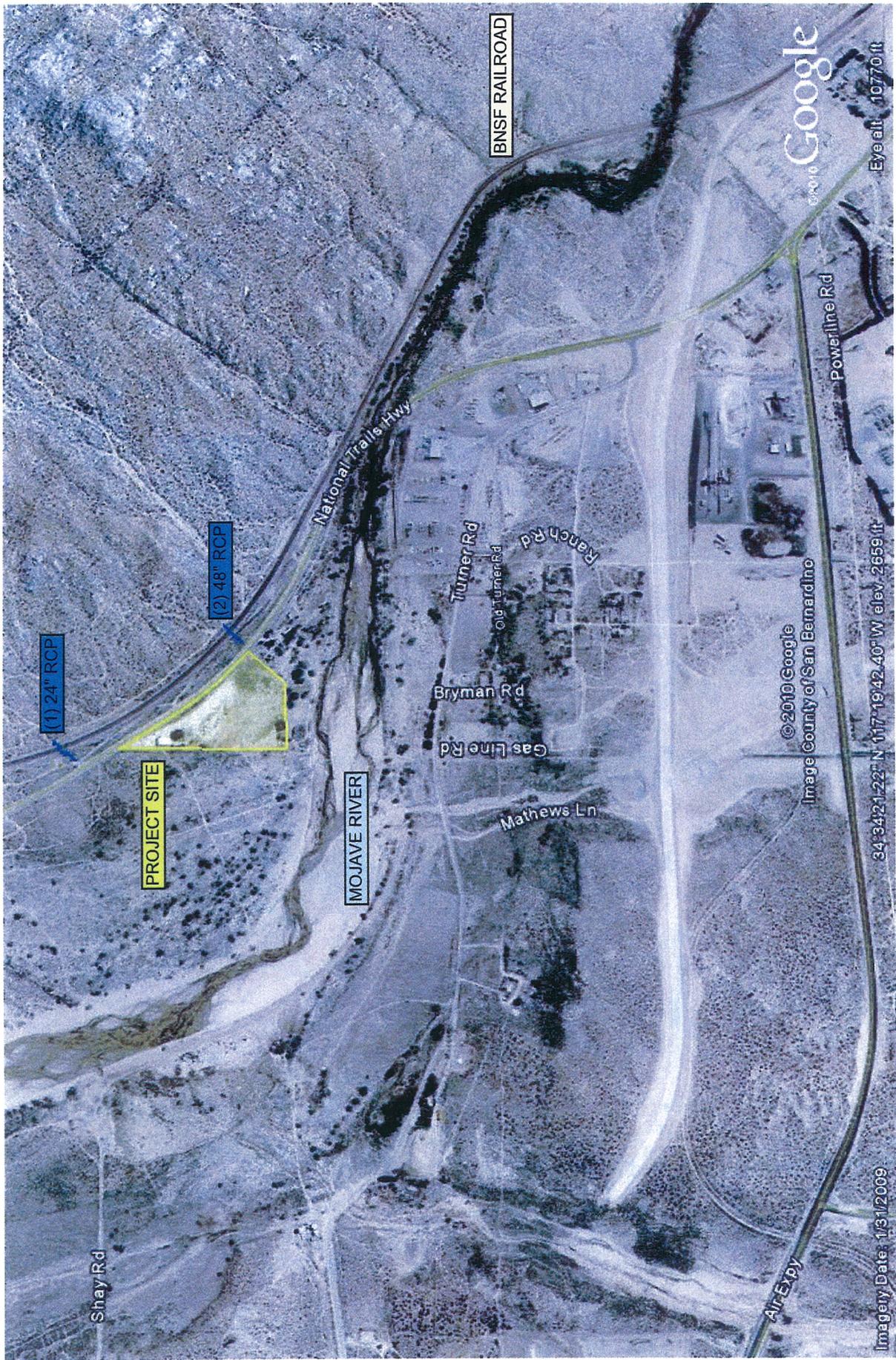
**Vicinity Map**  
**Aerial Photograph**  
**Mohave Ground Squirrel Distribution Map**



VICINITY MAP

(Cutting Edge Concrete, APN 0468-281-26)  
 (Source: ACSC Map Source, 2012)





CUTTING EDGE CONCRETE, INC.  
ORO GRANDE PROJECT SITE

# Southern Range of the Mohave Ground Squirrel

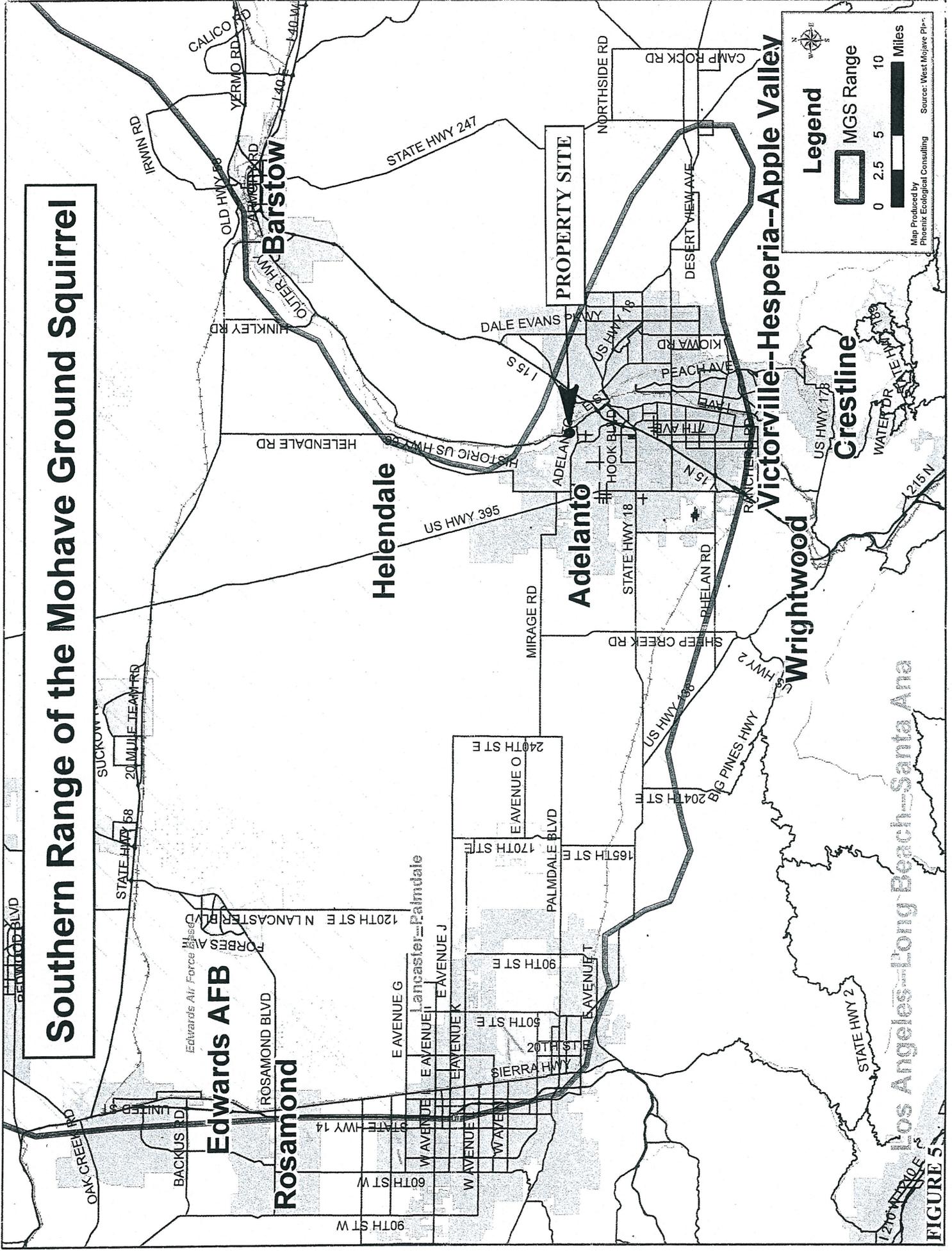
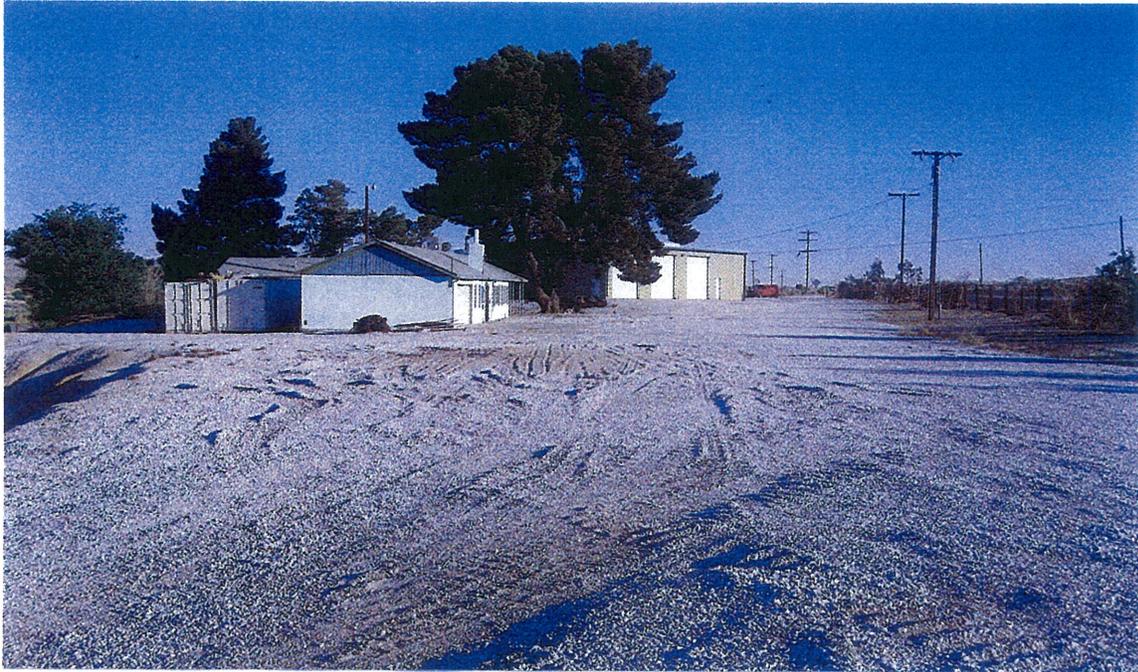


FIGURE 5

**SITE PHOTOGRAPHS**



**CENTER OF SITE LOOKING NORTH**



**CENTER OF SITE LOOKING SOUTH**

**SITE PHOTOGRAPHS**  
**(CUP, Cutting Edge Concrete APN 0468-281-26)**



**CENTER OF SITE LOOKING EAST**



**CENTER OF SITE LOOKING WEST**

**SITE PHOTOGRAPHS**  
(CUP, Cutting Edge Concrete APN 0468-281-26)

**APPENDIX A**

**Flora and Fauna Compendia**

**Table 1 - Plants observed on the site.**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Location</b>
Erodium	<i>Erodium texanum</i>	On-site and off-site
Schismus	<i>Schismus barbatus</i>	“
Buckwheat	<i>E. fasciculatum</i>	“
Brome grass	<i>Bromus sp.</i>	“
Fiddleneck	<i>Amsinckia tessellata</i>	“
Rabbitbrush	<i>Chruysothanus depressus</i>	“
Saltbush	<i>Atriplex canescen</i>	“
Eucalyptus	<i>Eucalyptus globulus</i>	“
Deciduous trees		

**Table 2 - Wildlife observed on the site and those species expected to occur in surrounding area.**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Location</b>
Common raven	<i>Corvus corax</i>	Observed on-site
Sage sparrow	<i>Amphispiza belli</i>	“
Mourning dove	<i>Zenaida macroura</i>	“
Western kingbird	<i>Tyrannus verticalis</i>	“
Western whiptail lizard	<i>Cnemidophorus tigris</i>	May occur on site.
Side-blotched lizard	<i>Uta stansburiana</i>	“
Antelope ground squirrel	<i>Ammospermophilus leucurus</i>	“
Desert spiny lizard	<i>Sceloporus magister</i>	“
California ground squirrel	<i>Spermophilus beecheyi</i>	“
Coyote	<i>Canis latrans</i>	“
Merriam's kangaroo rat	<i>Dipodomys mohavensis</i>	“

Note: The above Tables are not comprehensive lists of every plant or animal species which may occur in the area, but are a list of those common species which have been identified on the site or in the region by biologists from RCA Associates, LLC, or which are common species in the region.

**Certification:**

I hereby certify that the statements furnished above and in the attached exhibits present the data and information presented are true and correct to the best of my knowledge and belief. Field work conducted for this assessment was performed by me or under my direct supervision. I certify that I have not signed a non-disclosure or consultant confidentiality agreement with the project applicant or applicant's representative and that I have no financial interest in the project.

Date: June 2, 2012 Signed:   
Report Author

Field Work Performed By: 