



10. Is a directional antenna proposed?

Yes  No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of the relative field.

Exhibit No.  
DNA

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Sections 73.315(a) and (b)?

Yes  No

If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 3.16 mV/m service.

Exhibit No.  
DNA

12. Will the main studio be within the protected 3.16 mV/m field strength contour of this proposal?

Yes  No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.  
DNA

13. (a) Does the proposed facility satisfy the requirements of 47 C.F.R. Section 73.207?

Yes  No

(b) If the answer to (a) is No, does 47 C.F.R. Section 73.213 apply?

Yes  No

(c) If the answer to (b) is Yes, attach as an Exhibit a justification, including a summary of previous waivers. See Exhibit E - "Channel Utilization"

Exhibit No.  
E

(d) If the answer to (a) is No and the answer to (b) is No, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.  
DNA

(e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No.  
DNA

- (1) Protected and interfering contours, in all directions (360°), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as the transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the exhibits(s).

14. Are there: (a) within 50 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast (except citizens band or amateur) radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference? See Exhibit E - "Neighboring Broadcast and Non-Broadcast Facilities"

Yes  No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. (See 47 C.F.R. Sections 73.315(b), 73.316(e) and 73.318.)

Exhibit No.  
DNA

15. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction V. The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No.  
E-2

16. Attach as an Exhibit *(name the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.  
E-4

- (a) the proposed transmitter location, and the radials along which profile graphs have been prepared;
- (b) the 3.16 mV/m and 1 mV/m predicted contours; and
- (c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 2,160 sq. km. Population 78,011

18. For an application involving an auxiliary facility only, attach as an Exhibit a map *(Sectional Aeronautical Chart or equivalent)* that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.  
DNA

- (a) the proposed auxiliary 1 mV/m contour; and
- (b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license.

19. Terrain and coverage data *(to be calculated in accordance with 47 C.F.R. Section 73.313)*

Source of terrain data: *(check only one box below)*

- Linearly Interpolated 30-second database
- 7.5 minute topographic map

(Source: \_\_\_\_\_)

Other *(briefly summarize)* Linearly Interpolated U.S.G.S. 3 arc second Digital Elevation Model ("D.E.M.") data files

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 5)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances	
		To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
-			
0	-1.9	7.4	13.2
45	92.7	13.0	23.4
90	173.1	18.1	30.9
135	205.0	19.6	33.6
180	219.8	20.3	34.8
<del>225</del>	174.3	18.2	31.0
270	-5.1	7.4	13.2
315	-130.8	7.4	13.2

\*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

20. Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact?  Yes  No

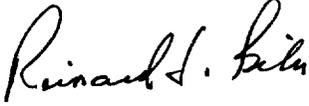
If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

Exhibit No.  
DNA

If No, explain briefly why not. See Exhibit E - "Environmental Processing"

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed) Richard L. Biby, P. E.	Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer
Signature 	Address (Include ZIP Code) Communications Engineering Services, P.C. 6105-G Arlington Blvd. Falls Church, VA 22044
Date February 26, 1991	Telephone No. (Include Area Code) (703) 534-7880

## Exhibit E

Engineering Statement In Re:  
Application for a New FM Station  
Ch. 228A 93.5 MHz 91m AAT 3.0 kW  
Jamie Woods and Ulises Pierluissi  
d/b/a Desert Rose Broadcasting  
Rosamond, California

### Introduction

This engineering statement, together with Section V-B of FCC Form 301, to which it is attached as Exhibit E, furnishes complete engineering and technical data in support of an application by Jamie Woods and Ulises Pierluissi d/b/a Desert Rose Broadcasting ("Desert Rose") for a new FM station to serve Rosamond, California. Desert Rose is proposing to operate on Channel 228A (93.5 MHz) with a maximum effective radiated power ("ERP") of 3.0 kW at an average effective antenna height of 91 meters. The transmitter will be located on a new tower, 3.3 km west of the intersection of Youell Rd. and Mojave Tropico Rd., 300 meters north of Youell Rd.; 11 kilometers northwest of Rosamond, in Kern County, California.

All calculations, graphs, contours, and other technical data have been determined in accordance with the existing Rules and Regulations of the Federal Communications Commission.

### Channel Utilization

Channel 228A has been allocated for use at Rosamond, California by the Commission in MM Docket 89-344. A study of the channel constraints pertinent to the instant proposal to serve Rosamond, CA on Ch. 228A has been made. As illustrated by the tabulated results in Exhibit E-1, the Desert Rose proposal meets all pertinent distance separation requirements in accordance with Sections 73.207 and 73.208 of the FCC Rules except with respect to KRZE-FM (Ch. 228A, Ontario, CA). As noted in Exhibit E-1, the proposed Desert Rose site is 105 km distant from the KRZE-FM site, or 10 km

short-spaced. Desert Rose is therefore requesting authorization pursuant to Section 73.213 of the Commission's Rules.

Desert Rose is requesting this short-spaced assignment because of the recent changes to Section 73.207 of the Commission's Rules. Under the former spacing requirements, only available now under Section 73.213 with the lesser ERP of 3 kW at 100m AAT or the equivalent, the site area from which to serve Rosamond is extremely limited. The limitation stems from the combination of the KRZE constraint and the separation requirement towards KERN-FM. With the increase in distance separation requirements under Section 73.207 by MM Docket 88-375, effective as of October 2, 1989, all sites which might serve Rosamond and otherwise comply with the Commission's rules are now short-spaced.

The allocation of Ch. 228A to Rosamond was requested prior to the effective date of the Second Report and Order in MM Docket 88-375 (October 2, 1989). It is therefore eligible for certain grandfathered short-spacings under Section 73.213(c), so long as the Table of Minimum Distance Separation Requirements therein is adhered to. Desert Rose complies with the distance separation requirements of Section 73.213(c) and it has limited the proposed ERP to 3.0 kW at 91m AAT, the maximum permissible under the 1972 Agreement between the US and Mexico for Class A FM stations within 320 kilometers of the Mexican/American Border.

#### Proposed Facilities

The effective radiated power of the proposed operation will be 3.0 kW and will emanate from a circularly polarized omni-directional antenna. The antenna will be top mounted on a new structure, to be erected for this purpose. A full scale copy of a portion of a U.S. Geological Survey 7.5' topographic map "Soledad Mtn., CA" showing the exact location of the site is attached as Exhibit E-2. A vertical plan sketch of the tower with all pertinent values rounded to the nearest meter is attached as Exhibit E-3.

The proposed facility will be equipped with emergency generating facilities at both the transmitter site and studio. In the event of a power failure, Desert Rose will be able to provide continuing service to the listening audience.

#### Neighboring Broadcast and Non-Broadcast Facilities

Based on information supplied by the applicant in conjunction with known data sources, it is stated here that this site has been selected so as to maximize the coverage of the community while minimizing the potential for interference to the general populace and conforming to all pertinent distance separation requirements.

No receiver induced intermodulation interference, in concert with any neighboring broadcast or non-broadcast facilities, is anticipated as a result of the Desert Rose proposal. In the unlikely event that it does occur, Desert Rose will bear the responsibility, as set forth by the FCC Rules, to resolve those instances of intermodulation interference which are attributable to this operation.

Desert Rose will comply with all FCC Rules and Regulations to satisfy complaints regarding blanketing interference. However, there are no known receiving stations within the blanketing contour.

#### Elevation and Contour Data

The predicted 70 and 60 dBu signal strength contours are shown on the attached Exhibit E-4. The height of the radiation center above average terrain and the computed distances to the 70 and 60 dBu signal strength contours are tabulated for the eight principal radials in Section V-B of FCC Form 301.

The base map for Exhibit E-4 consists of copies of the U.S. Geological Survey 1:250,000 topographic quadrangle series maps "Los Angeles, CA;" "Bakersfield, CA;" "Trona, CA;" and "Death Valley, CA." The 1:250,000 scale maps were used in order to

illustrate the proposed coverage of Rosamond at an optimum scale for the area served by a Class A facility. Exhibit E-4 also illustrates that the 3.16 mV/m contour encompasses all of the census designated place of Rosamond, with the boundaries as defined by the 1980 U.S. Census. Exhibit E-4 complies with Item 16 of FCC Form 301 Section V-B in showing original printed latitude and longitude markings. A small window was left in splicing the four maps together, so that the Latitude and Longitude labelling at the juncture of the four is still visible and unaltered. Supplemental labels are also provided for convenience.

U.S. Geological Survey 3 Arc Second Digital Elevation Model ("D.E.M.") data files were used to determine the average elevation of the terrain within the distance range of 3.0 to 16.0 kilometers from the proposed transmitter site for a total of 72 directions, starting at True North and proceeding clockwise in 5 degree increments. The normal complement of eight (8) of those radials was used to determine the average terrain elevation. The remaining 64 radials were used only to allow greater resolution in the location of the signal strength contours. Both the data file and the manner in which it was used are in accordance with the FCC Rules.

#### Population and Area Data

The number of persons residing within the predicted 60 dBu signal strength contour of the proposed facility is approximately 78,011. In order to make that determination, the predicted distances to the 1.0 mV/m (60 dBu) contour were used in conjunction with the MARF II 1980 U.S. Census database. This source provides census tract and sub-tract population data for each Minor Civil Division with clearly defined geographic reference coordinates. All sub-tracts located within the 1.0 mV/m (60 dBu) contour were summed to establish the total. No more accurate and authoritative population data is known to be available.

The land area contained within the predicted 60 dBu contour, approximately 2,160 square kilometers, was also computed on the

basis of the aforementioned distances to the 60 dBu (1.0 mV/m) contour.

#### Environmental Processing

The proposed operation would not have a significant environmental effect, as it is defined by Section 1.1307 of the FCC Rules. Based on information obtained by the applicant, it is stated here that the site is not in any designated wilderness area or wildlife preserve, or area whose designation as one is pending. To the best of Desert Rose's knowledge, the instant proposal will not affect any threatened or endangered species or cause damage to their habitats. Its existence will not affect any districts, sites, buildings, structures, or objects listed in the National Register of Historic Places or known to be eligible for such listing. The site is not known to be located in the vicinity of any Indian religious sites. There will be no significant change in the surface features of the site, nor is it located in a floodplain. Desert Rose does not anticipate that the FAA will require high intensity white lighting necessary to conspicuously mark the tower as an obstruction to aviators. The site is not located in a residential neighborhood. In the event that high intensity white lighting is required, Desert Rose will take any actions necessary to comply with the Commission's Environmental Processing Regulations (§§1.1301 et seq.).

#### Compliance With Section 1.1307(b)

##### Guidelines for Exposure to Radiofrequency Energy

This proposal would not have a significant environmental effect because of hazardous levels of non-ionizing Radiofrequency radiation exposure to workers and the general public. Radiofrequency radiation is discussed in "Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation (OST Bulletin No. 65, FCC, October, 1985)." While OST Bulletin 65 provides worst case guidelines in table form for various types of broadcast facilities (Appendices B, C, and D), it also establishes formulas to predict the power density at the base of a tower.

Section 4.1 of ANSI C95.1-1982 establishes a protection guide for radiofrequency radiation. The guide provides limits measured in terms of plane wave power density for set ranges of frequencies. Using this guide, the limit of acceptable, safe power density for FM facilities is 1.0 mW/cm<sup>2</sup>.

#### Desert Rose Broadcasting

Pages 7 - 9 of OST Bulletin 65 (Section II - Prediction Methods) discuss the development of a formula which may be used to predict the power density for FM Broadcast stations. Desert Rose is proposing herein to operate a circularly polarized 4 bay FM antenna approximately 111 meters above ground level at an effective radiated power of 3.0 kW. The total ERP for calculation purposes is the sum of the vertical and horizontal planes of radiation or 6.0 kW.

The basic formula is: 
$$\frac{0.64 \times \text{EIRP}}{\pi \times R^2}$$

**S** = Power density (mW/cm<sup>2</sup>) at the base of the tower

0.64 = [(1.6)<sup>2</sup>/4] Ground Reflection Factor

EIRP = Equivalent Isotropic Radiated Power (milliWatts)

EIRP = ERP x 1.64 (Where 1.64 = gain of half-wave Dipole  
Relative to Isotropic Radiator)

R = Dx to center of radiation in cm.

For Desert Rose, the final form is :

$$S = \frac{0.64 \times 1.64 \times (6,000,000 \text{ mW})}{\pi \times (11,100)^2} \quad S = 0.016 \text{ mW/cm}^2$$

Thus, the proposed operation would, in the worst case, result in a ground level field intensity of less than two percent of the 1.0 mW/cm<sup>2</sup> limitation set forth in the FCC Guidelines.

With OST Bulletin 65 as a guide to ANSI C95.1-1982, there is nothing to suggest that the implementation of Ch. 228A, as proposed herein, would create a significant environmental effect because of

Radiofrequency Radiation exposure hazards. In sum, a grant of the proposed facility would have no known adverse environmental effect.

Aeronautical Considerations

The Western Pacific Regional Office of the Federal Aviation Administration ("FAA") has been notified of the instant Desert Rose proposal. A copy of the Notification sent to the FAA is attached as Exhibit E-5. A copy of the anticipated "Determination of No Hazard" will be forwarded to the Commission as soon as it is received.

Certification

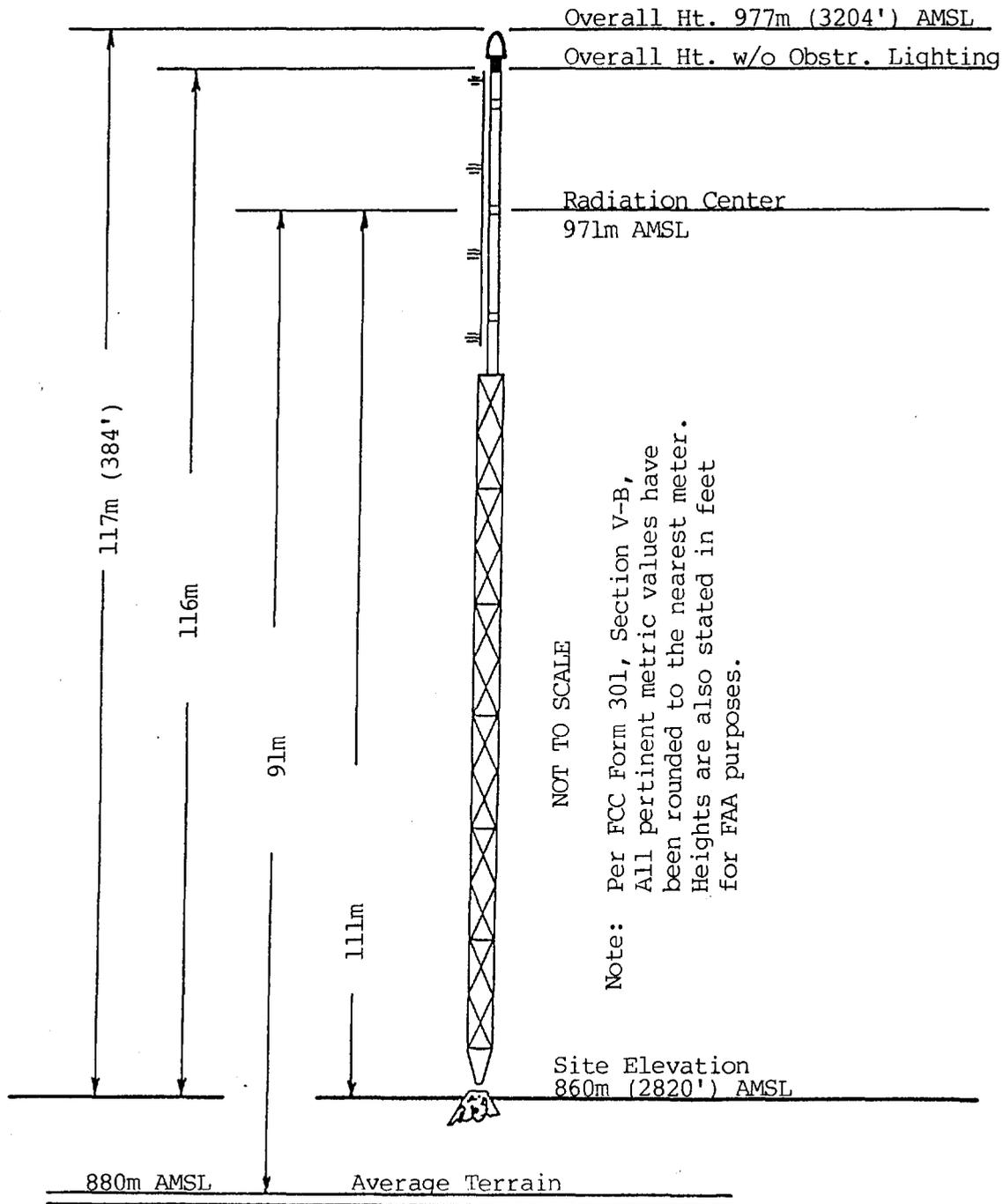
Under penalty of perjury, I do hereby state that the foregoing is true and correct to the best of my knowledge and belief.



---

Richard L. Biby,  
Registered Professional Engineer  
District of Columbia Reg. No. 5710E  
Commonwealth of Virginia Reg. No. 014018





NOT TO SCALE

Note: Per FCC Form 301, Section V-B,  
 All pertinent metric values have  
 been rounded to the nearest meter.  
 Heights are also stated in feet  
 for FAA purposes.

North Latitude: 34° 56' 21"  
 West Longitude: 118° 14' 52"

Exhibit E-3  
 Antenna Sketch  
 Application for a New FM Station  
 Ch. 228A 93.5 MHz 91m AAT 3.0 kW  
 Jamie Woods and Ulises Pierluissi  
 d/b/a Desert Rose Broadcasting  
 Rosamond, California

Prepared By Richard L. Biby  
 Communications Engineering Services, P.C.  
 Falls Church, Virginia February, 1991

**Exhibit E-4  
 Predicted Contours  
 Application for a New FM Station  
 Ch. 228A 93.5 MHz 91m AAT 3.0 kW  
 Jamie Woods and Ulises Pierluissi  
 d/b/a Desert Rose Broadcasting  
 Rosamond, California**

**Prepared By** Richard L. Biby  
**Communications Engineering Services, P.C.**  
 Falls Church, Virginia      **February, 1991**

**Original Latitude and Longitude Markings**

**Within 1.0 mV/m  
 (60 dBu) Contour**

**Population  
 (1980 U.S. Census):  
 78,011**

**Land Area:  
 2,160 sq. km**

**Rosamond, CA**

**135°**

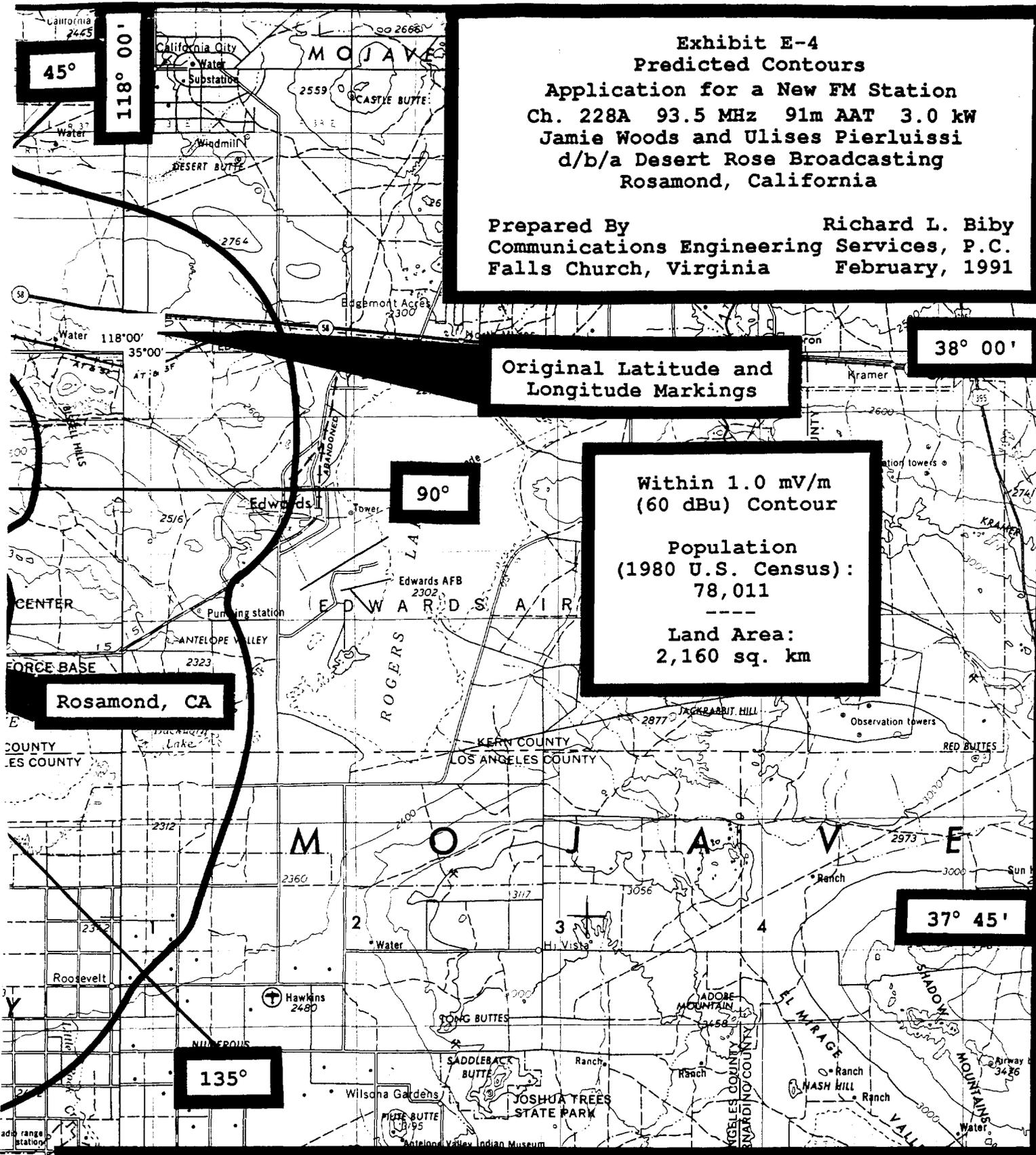
**37° 45'**

**90°**

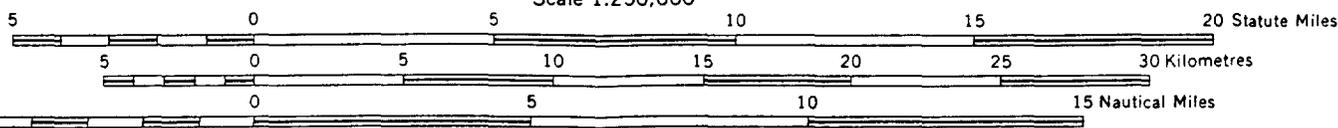
**38° 00'**

**45°**

**118° 00'**



Scale 1:250,000



PALMDALE  
 PLANT 2  
 2542



<p align="center"><b>NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION</b></p> <p>U.S. Department of Transportation Federal Aviation Administration</p>	Aeronautical Study Number
---	---------------------------

<b>1. Nature of Proposal</b> (From FCC Grant)			<b>2. Complete Description of Structure</b>	
A. Type <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration	B. Class <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (Duration _____ months)	C. Work Schedule Dates Beginning <u>60 days</u> End <u>6 months</u>	A. Include effective radiated power and assigned frequency of all existing, proposed or modified AM, FM, or TV broadcast stations utilizing this structure.  B. Include size and configuration of power transmission lines and their supporting towers in the vicinity of FAA facilities and public airports.  C. Include information showing site orientation, dimensions, and construction materials of the proposed structure.	

**3A. Name and address of individual, company, corporation, etc. proposing the construction or alteration.** (Number, Street, City, State and Zip Code)

( ) \_\_\_\_\_  
 area code Telephone Number

Jamie Woods and Ulises Pierluissi  
 d/b/a/ Desert Rose Broadcasting  
 345 Concord St., Apt. No. 5  
 El Segundo, CA 90245

New tower to support a new FM station to serve Rosamond, CA on 93.5 MHz Max ERP 3.0kW

**B. Name, address and telephone number of proponent's representative if different than 3 above.**

Richard L. Biby, P. E.  
 Communications Engineering Services, P. C.  
 6105-G Arlington Blvd.  
 Falls Church, VA 22044 703-534-7880

(if more space is required, continue on a separate sheet.)

**4. Location of Structure**

A. Coordinates (To nearest second) 34° 56' 21" N 118° 14' 52" W	B. Nearest City or Town, and State Rosamond, CA	C. Name of nearest airport, heliport, flightpark, or seaplane base Rosamond Sky Park	A. Elevation of site above mean sea level 2820
(1) Distance to 4B 6.8 Miles	(1) Distance from structure to nearest point of nearest runway 5.2 mi		B. Height of Structure including all appurtenances and lighting (if any) above ground, or water if so situated 384
(2) Direction to 4B SE	(2) Direction from structure to airport SSE		C. Overall height above mean sea level (A + B) 3204

**5. Height and Elevation** (Complete to the nearest foot)

**D. Description of location of site with respect to highways, streets, airports, prominent terrain features, existing structures, etc.** Attach a U.S. Geological Survey quadrangle map or equivalent showing the relationship of construction site to nearest airport(s). (if more space is required, continue on a separate sheet of paper and attach to this notice.)

3.3 km West of the Intersection of Youell and Mojave Tropico Roads, 300 meters North of Youell Rd. 11km NW of Rosamond, Kern County, CA

(See attached map and tower sketch)

Notice is required by Part 77 of the Federal Aviation Regulations (14 C.F.R. Part 77) pursuant to Section 1101 of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1101). Persons who knowingly and willingly violate the Notice requirements of Part 77 are subject to a fine (criminal penalty) of not more than \$500 for the first offense and not more than \$2,000 for subsequent offenses, pursuant to Section 902(a) of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1472(a)).

**I HEREBY CERTIFY that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to obstruction mark and/or light the structure in accordance with established marking & lighting standards if necessary.**

Date <u>February 21, 1991</u>	Typed Name/Title of Person Filing Notice Richard L. Biby, P. E.	Signature <i>Richard L. Biby</i>
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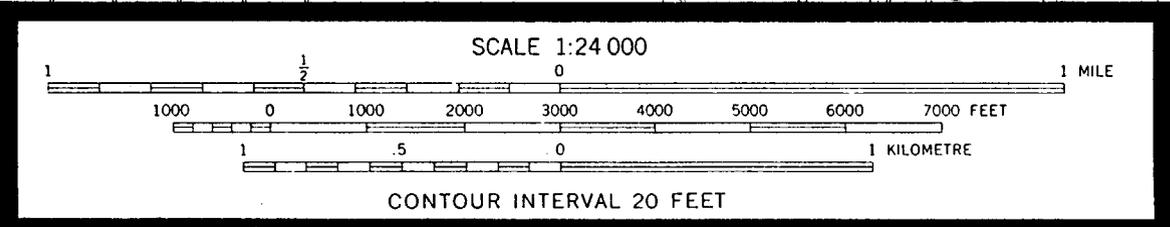
**FOR FAA USE ONLY** FAA will either return this form or issue a separate acknowledgement.

<b>The Proposal:</b> <input type="checkbox"/> Does not require a notice to FAA.  <input type="checkbox"/> Is not identified as an obstruction under any standard of FAR, Part 77, Subpart C, and would not be a hazard to air navigation.  <input type="checkbox"/> Is identified as an obstruction under the standards of FAR, Part 77, Subpart C, but would not be a hazard to air navigation.  <input type="checkbox"/> Should be obstruction <input type="checkbox"/> marked, <input type="checkbox"/> lighted per FAA Advisory Circular 70/7460-1, Chapter(s) _____  <input type="checkbox"/> Obstruction marking and lighting are not necessary.	<b>Supplemental Notice of Construction</b> FAA Form 7460-2 is required any time the project is abandoned, or <input type="checkbox"/> At least 48 hours before the start of construction. <input type="checkbox"/> Within five days after the construction reaches its greatest height.  This determination expires on _____ unless: (a) extended, revised or terminated by the issuing office; (b) the construction is subject to the licensing authority of the Federal Communications Commission and an application for a construction permit is made to the FCC on or before the above expiration date. In such case the determination expires on the date prescribed by the FCC for completion of construction, or on the date the FCC denies the application.  NOTE: Request for extension of the effective period of this determination must be postmarked or delivered to the issuing office at least 15 days prior to the expiration date.  If the structure is subject to the licensing authority of the FCC, a copy of this determination will be sent to that Agency.
<b>Remarks:</b>	

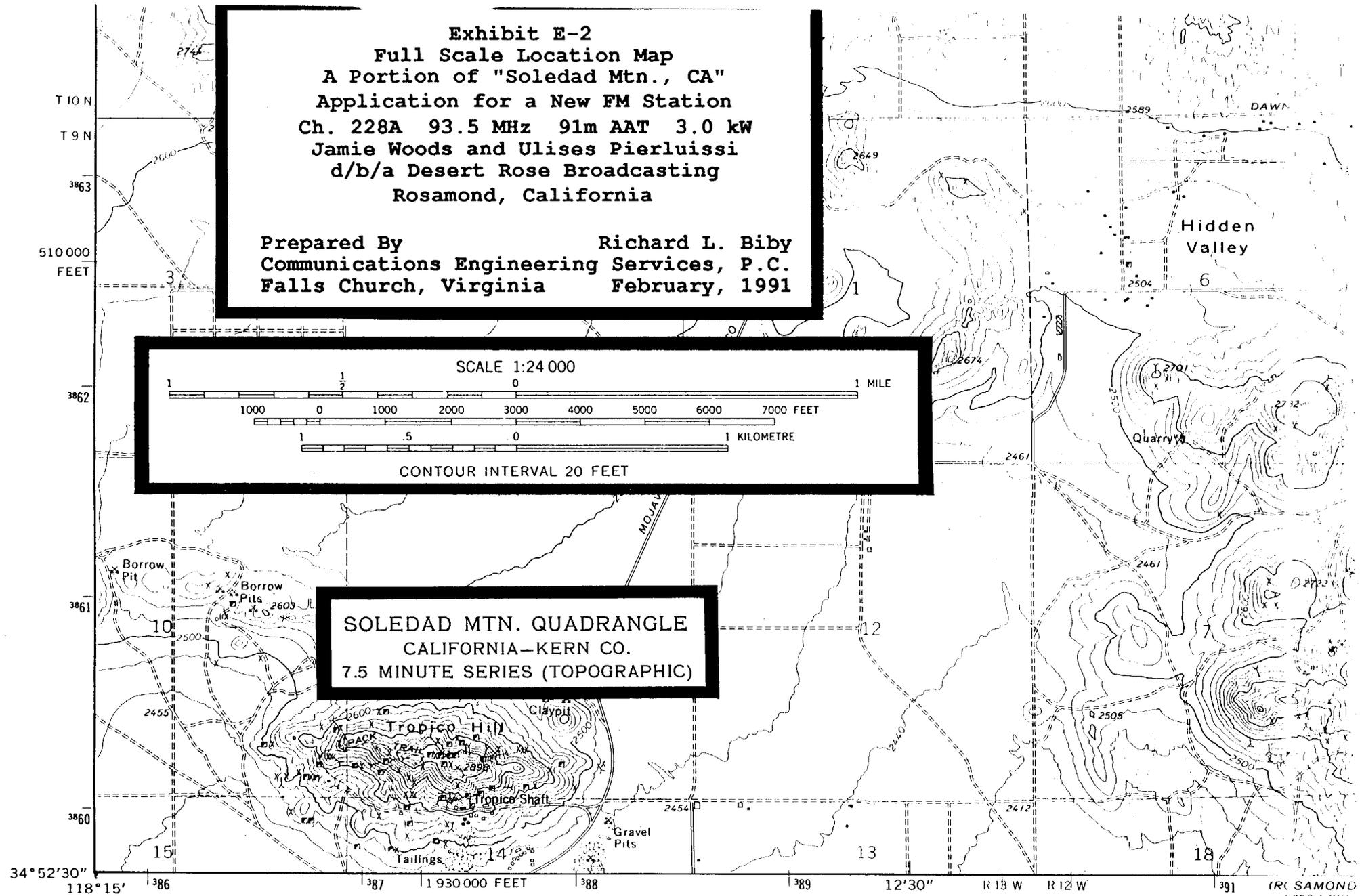
Issued In	Signature	Date
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**Exhibit E-2**  
**Full Scale Location Map**  
**A Portion of "Soledad Mtn., CA"**  
**Application for a New FM Station**  
**Ch. 228A 93.5 MHz 91m AAT 3.0 kW**  
**Jamie Woods and Ulises Pierluissi**  
**d/b/a Desert Rose Broadcasting**  
**Rosamond, California**

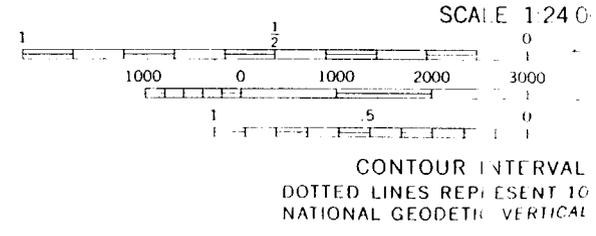
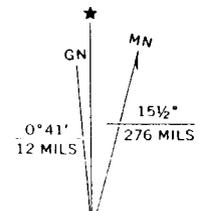
**Prepared By** Richard L. Biby  
**Communications Engineering Services, P.C.**  
**Falls Church, Virginia** February, 1991



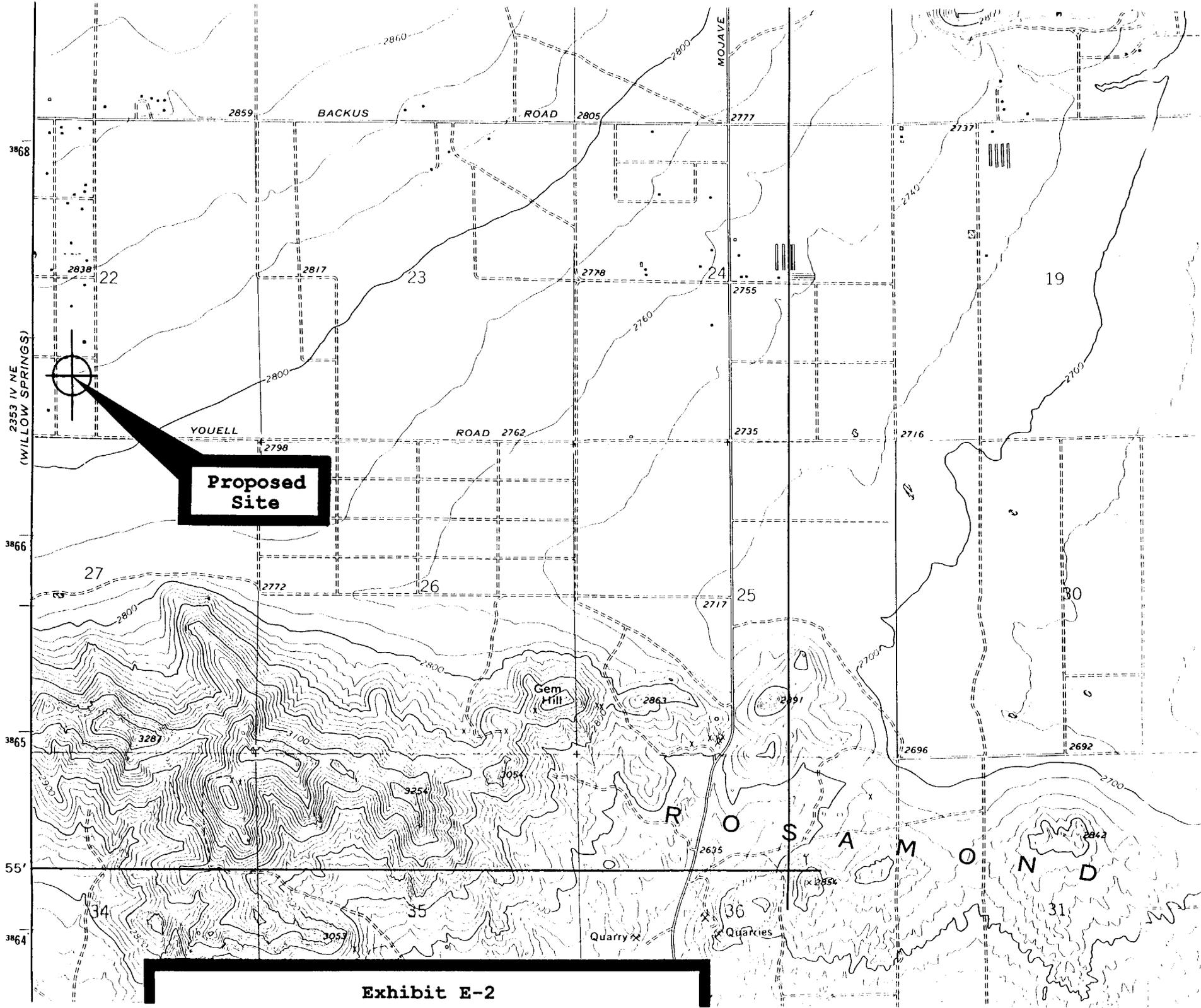
**SOLEDAD MTN. QUADRANGLE**  
**CALIFORNIA-KERN CO.**  
**7.5 MINUTE SERIES (TOPOGRAPHIC)**



Mapped, edited, and published by the Geological Survey  
 Control by USGS and NOS/NOAA  
 Topography by photogrammetric methods from aerial  
 photographs taken 1972. Field checked 1973  
 Supersedes Army Map Service map dated 1947  
 Projection and 10,000-foot grid ticks: California coordinate  
 system, zone 5 (Lambert conformal conic)  
 1000-metre Universal Transverse Mercator grid ticks,



LITTLE BUTTES)  
 2353 IV SE



**Proposed Site**

**Exhibit E-2**