

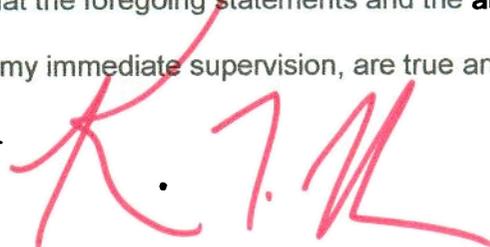
ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of TRINITY BROADCASTING NETWORK, permittee of Television Translator K45HC, Channel 45 in Sacramento, California, in support of this application for modification of Construction Permit BPTT-19980603JJ to specify a new site.

It is proposed to mount a standard MCI directional antenna at the 182-meter level of an existing 610-meter communications tower. Exhibit B is a map upon which the predicted service contours are plotted. It is important to note that the newly proposed 74 dBu contour encompasses a significant portion of that which obtains from the authorized K45HC facility. Operating parameters for the proposed facility are tabulated in Exhibit C. A contour overlap analysis and interference study are provided in Exhibit D, and a power density calculation follows as Exhibit E.

Because no change in the overall height or location of the existing tower is proposed, the FAA has not been notified of this application. The FCC issued Antenna Structure Registration Number 1015686 to this tower.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.



KEVIN T. FISHER

September 19, 2003

CONTOUR POPULATION
GRADE A (74 DBU) : 482,480
GRADE B (64 DBU) : 1,015,097

Smith and Fisher

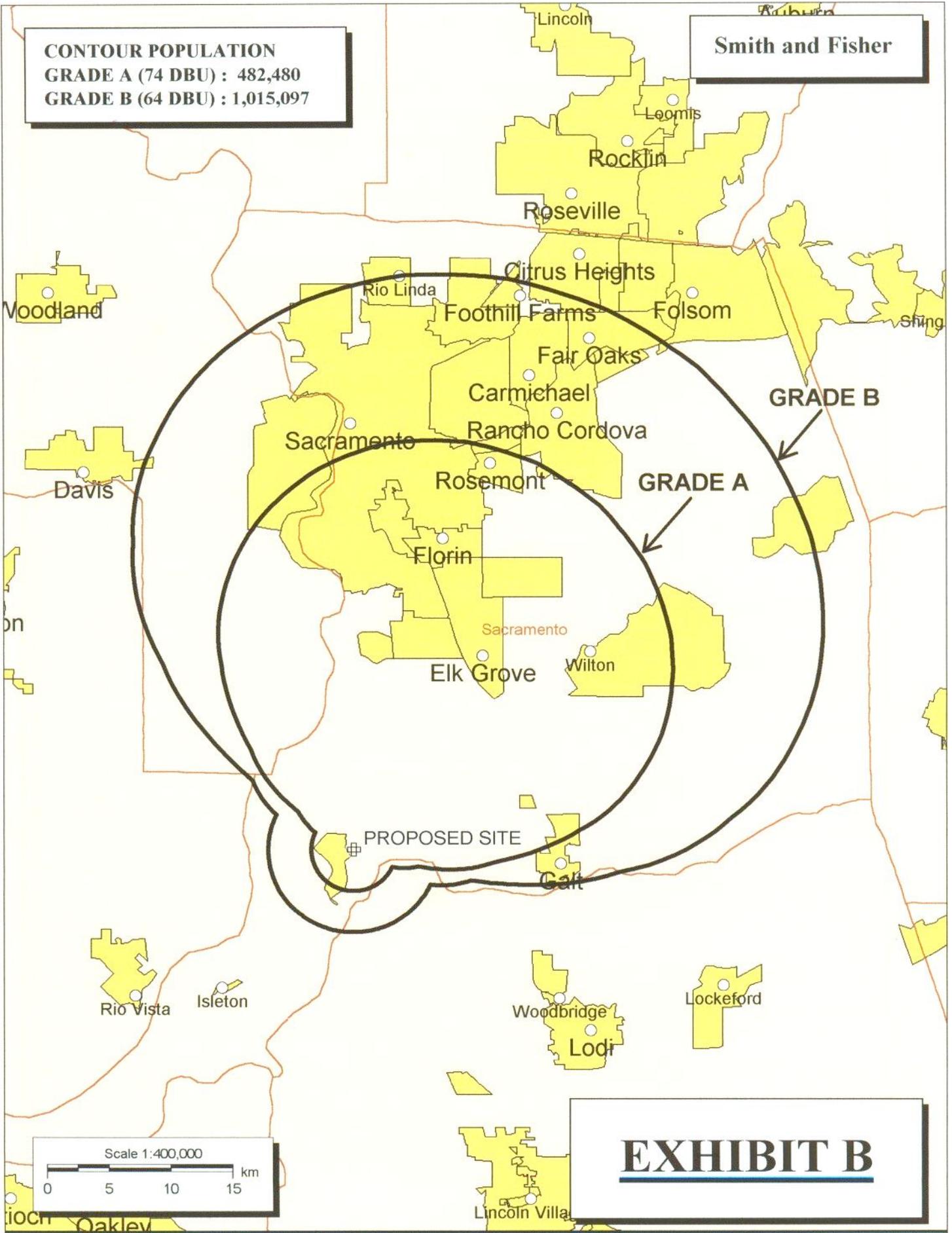
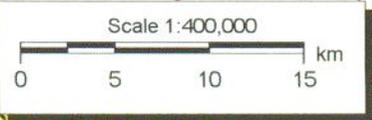


EXHIBIT B



PROPOSED OPERATING PARAMETERS

PROPOSED K45HC
CHANNEL 45 - SACRAMENTO, CALIFORNIA
[MODIFICATION OF BPTT-19980603JJ]

| | |
|--|-----------------|
| Transmitter Power Output: | 4.9 kw |
| Transmission Line Efficiency: | 53.6% |
| Antenna Power Gain – Toward Horizon: | 57.5 |
| Antenna Power Gain – Main Lobe: | 57.5 |
| Effective Radiated Power – Toward Horizon: | 150 kw |
| Effective Radiated Power – Main Lobe: | 150 kw |
| Transmitter Make and Model: | Type-accepted |
| Rated Output | 5.0 kw |
| Transmission Line Make and Model: | Andrew HJ8-50B |
| Size and Type: | 3" air heliax |
| Length: | 625 feet |
| Antenna Make and Model: | MCI 955514 |
| Orientation | 25 degrees true |
| Beam Tilt | 0.5 degrees |
| Effective Height Above Ground: | 182 meters |
| Effective Height Above Mean Sea Level: | 182 meters |

POWER DENSITY CALCULATION
PROPOSED K45HC
CHANNEL 45 – SACRAMENTO, CALIFORNIA
[MODIFICATION OF BPTT-19980603JJ]

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Sacramento facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 150 kw, an effective antenna height of 182 meters above ground, and the vertical pattern of the MCI antenna, maximum power density two meters above ground of 0.00037 mw/cm^2 is calculated to occur 146 meters north-northeast of the base of the tower. Since this is only 0.08 percent of the 0.44 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 45 (656-662 MHz), this proposal may be excluded from consideration with respect to public exposure to nonionizing electromagnetic radiation.

Further, the station owner will take whatever precautionary steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive nonionizing radiation.