

Exhibit12  
Tulsa, OK

REFERENCE	CH# 255D - 98.9 MHz, Pwr= 0.092 kW, HAAT=159.6 M, COR= 342 M	DISPLAY DATES
36 06 25 N	Average Protected F(50-50)= 12.74 km	DATA 06-16-04
95 47 13 W	Ave. F(50-10) 40 dBu= 42.3 54 dBu= 19.0 80 dBu= 3.8 100 dBu= .7	SEARCH 07-13-04

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	COR (M) INT (km)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
253C Tulsa	KVOOFM	LIC OK	CY	288.5 108.5	29.42 BLH19880420KC	36 11 26 96 05 50	100.000 384	611 11.4	78.6 Journal Broadcast Corporat	6.63 -49.86*
255D Tulsa	AP255	APP OK	C	289.8 109.8	18.34 BNPFT20030807AIX	36 09 45 95 58 44	0.075 118	330 35.3	10.4 Educational Media Foundati	-28.45 -30.96
255D Tulsa	AP255	APP OK	C	289.8 109.8	18.34 BNPFT20030317DYO	36 09 45 95 58 44	0.075 118	330 35.3	10.4 Educational Media Foundati	-28.45 -30.96
258C1 Henryetta	KXBL	LIC OK	CN	225.1 45.1	42.95 BLH19860425KD	35 50 02 96 07 28	100.000 301	531 10.2	72.5 Journal Broadcast Corporat	21.32 -30.22*
255C Oklahoma City	KYIS«	LIC OK	CN	248.8 68.8	165.02 BLH19840423CW	35 33 36 97 29 07	100.000 347	688 177.6	75.8 Citadel Broadcasting Compa	-23.64 51.67
255A Coffeyville	KKRK	LIC KS	C	2.9 182.9	111.21 BLH19990826AAA	37 06 28 95 43 22	3.200 136	381 82.9	28.1 Kggf-kusn, Inc.	16.93 44.42
255D Grove	AP255	APP OK	C	53.7 233.7	105.54 BNPFT20030317IHT	36 39 55 94 50 05	0.140 112	364 40.3	11.8 Edgewater Broadcasting Inc	53.22 53.28
256C Fort Smith	KMAG	LIC AR	CY	138.6 318.6	152.32 BLH19900430KB	35 04 26 94 40 48	100.000 606	780 136.9	92.0 Capstar Tx Limited Partner	3.93 43.43
257D Pawhuska	AP257	APP OK	C	335.4 155.4	79.37 BNPFT20030819AAT	36 45 23 96 09 28	0.250 71	334 1.1	11.0 The Love Station, Inc.	66.41 67.71
257D Pawhuska	AP257	APP OK	C	335.4 155.4	79.37 BNPFT20030312APU	36 45 23 96 09 28	0.250 71	334 1.1	11.0 The Love Station, Inc.	66.41 67.71

ERP and HAAT are on direct line to and from reference station.  
 "\*\*Affixed to 'IN' or 'Out' values = site inside protected contour.  
 "«" = Station meets FCC minimum distance spacing for its class.

## Exhibit 12 (Compliance with CFR 74.1204)

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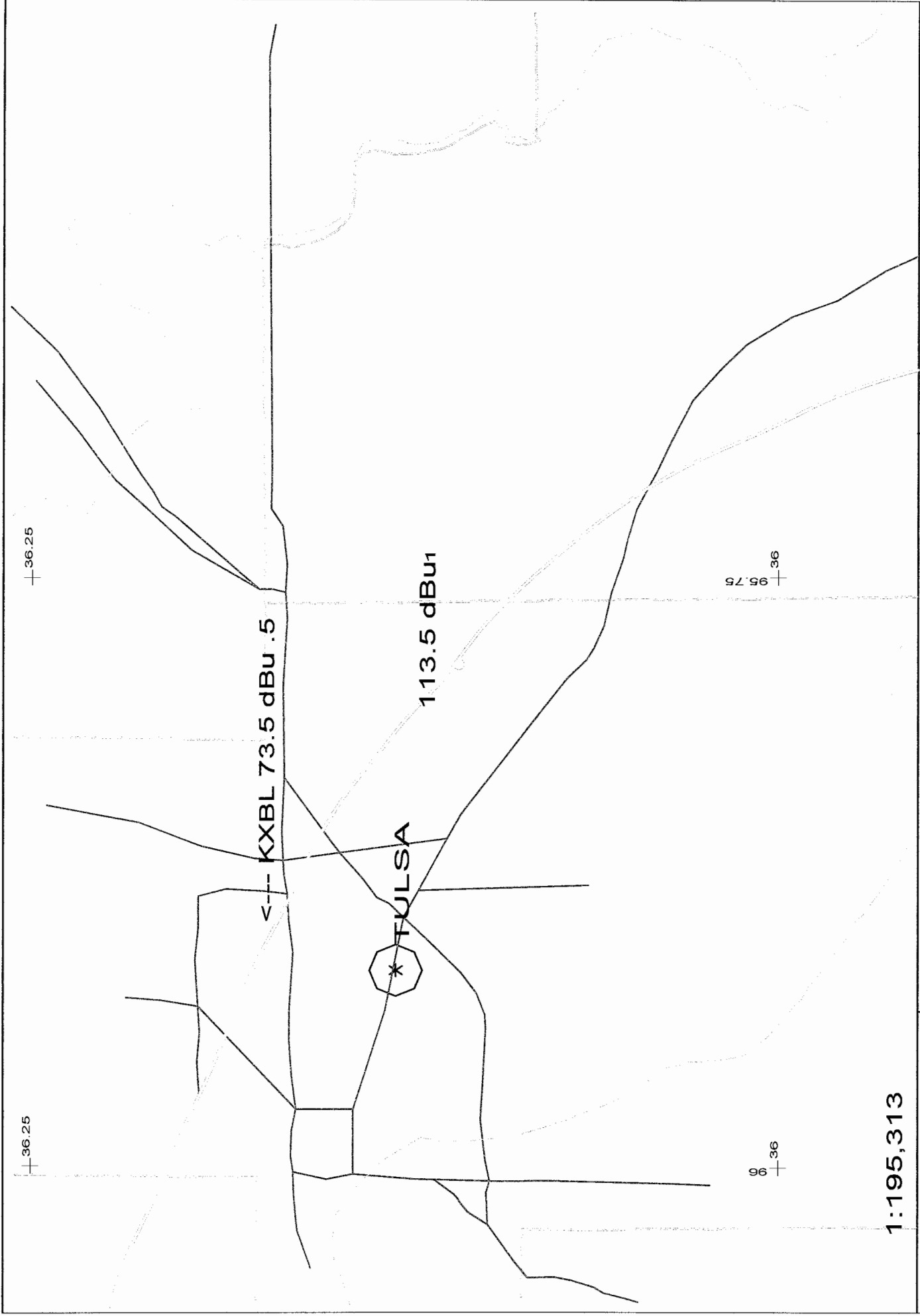
The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KXBL, channel 258C1, Henryetta, OK. The predicted F(50-50) field strength of KXBL at the proposed translator site is 73.5 dBu, see Exhibit 12B. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 113.5.dBu. This interfering contour extends less than 142 meters from the proposed transmit antenna, and the area of overlap is unpopulated.

Two factors have been investigated to determine this absence of population:

- 1) Computer software which uses the centroid method of determining population centers, based on the 2000 census data, has determined that there are no persons within the area of overlap.

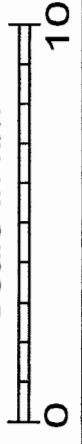
- 2) Examination of the USGS topographic map reveals no regularly occupied structures within the area of overlap.

Therefore, EMF respectfully requests a waiver of C.F.R. 74.1204 based on no population within the area of predicted interference.



1:195,313

Scale in km



K255BE 255D .092kW 342M AMSLE Exhibit 12B

N. Lat. 36 06 25 W. Lng. 95 47 13 EMF - 07/04

## Exhibit 12 (Compliance with CFR 74.1204)

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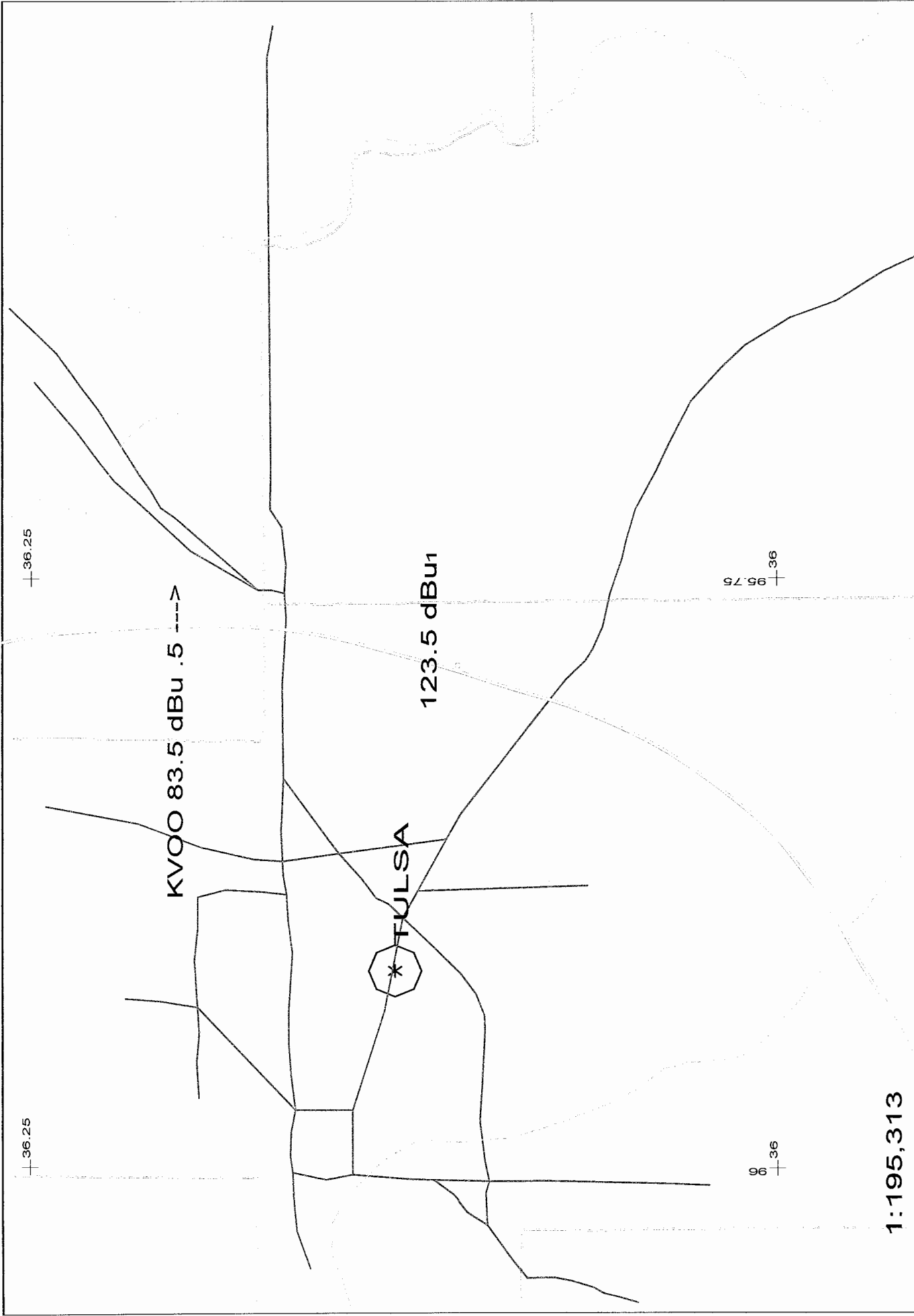
The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KVOO, channel 253C, Tulsa, OK. The predicted F(50-50) field strength of KVOO at the proposed translator site is 83.5 dBu, see Exhibit 12A. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 123.5.dBu. This interfering contour extends less than 45 meters from the proposed transmit antenna, and the area of overlap is unpopulated.

Two factors have been investigated to determine this absence of population:

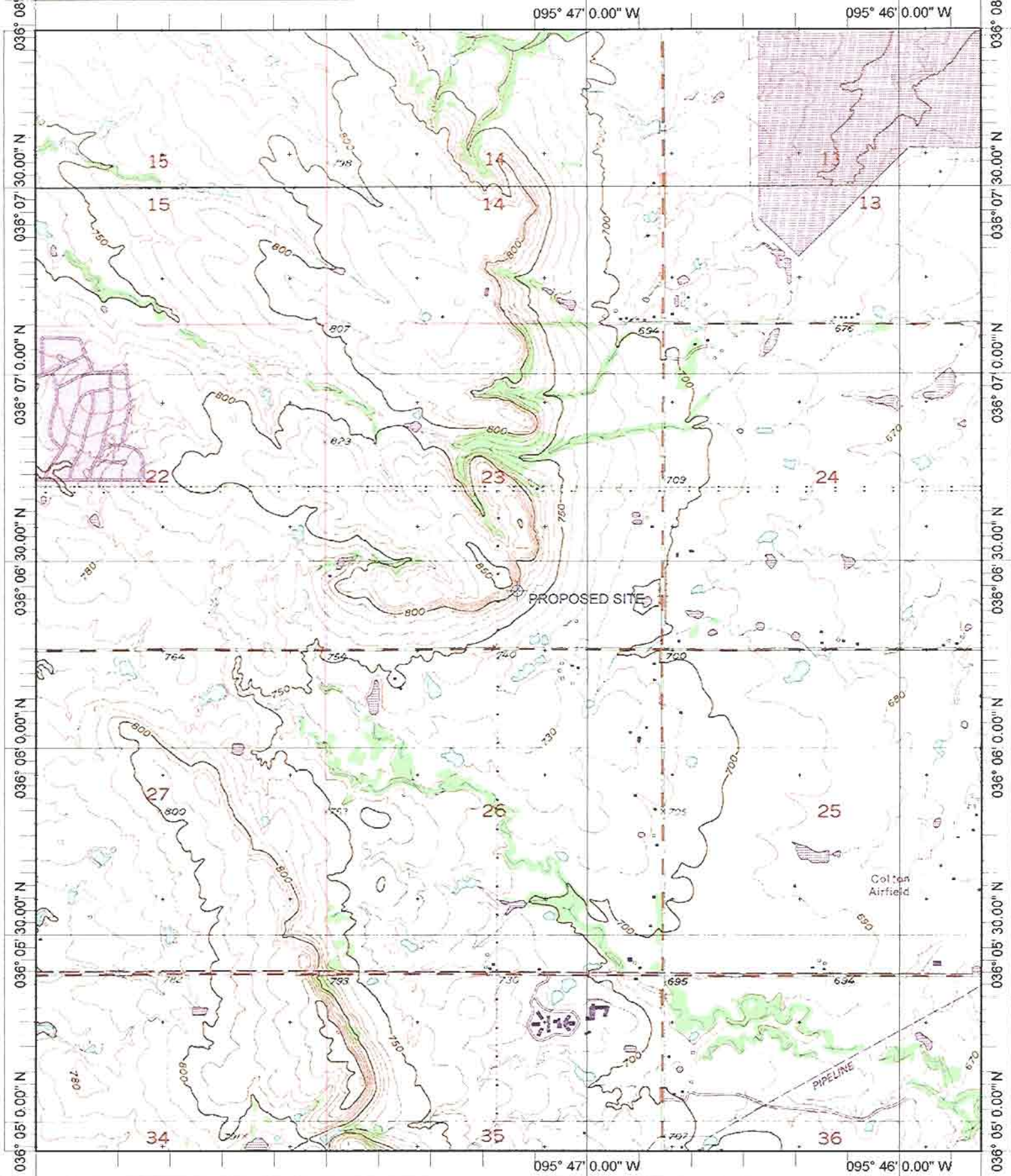
1) Computer software which uses the centroid method of determining population centers, based on the 2000 census data, has determined that there are no persons within the area of overlap.

2) Examination of the USGS topographic map reveals no regularly occupied structures within the area of overlap.

Therefore, EMF respectfully requests a waiver of C.F.R. 74.1204 based on no population within the area of predicted interference.



Scale in km		K255BE 255D .092kW 342M AMSLE		Exhibit 12A	
0 10		N. Lat. 36 06 25		W. Lng. 95 47 13	
				EMF - 07/04	



Name: BROKEN ARROW  
Date: 7/13/2004  
Scale: 1 inch equals 2000 feet

Location: 036° 06' 25.2" N 095° 47' 15.0" W  
Caption: Exhibit 12  
Site 36-06-25 / 95-47-13