



Wireless Networks

October 31, 1996

Mr. Carl Huie
Frequency Liaison Branch
Federal Communications Commission
2025 M Street, NW
Washington, DC 20554

Progress Report

Subject: Addition to File - Call Sign KI2XAG, File 4575-EX-MR-94

Dear Mr. Huie:

Enclosed please find Northern Telecom, Inc.'s documents Exhibits "A" and "B" for the proposed addition of six (6) CDMA antennas for testing in the 1900 MHz frequency band at the Richardson, Texas location. The antennas will operate under authority of and to be included in information on file with the FCC for Call Sign K I 2 X A G, File No. 4575-EX-MR-94. Antenna heights and specifications conform to FCC Rules for PCS antenna heights. Nortel will closely coordinate testing activities with existing and future users to avoid interference, and will be in conformance with FCC Rules. Please add this information to Nortel's license information currently on file.

Nortel Technology, Inc. is the research and development affiliate of Northern Telecom, Inc.

Please contact me at (972) 684-7004 if you have any questions.

Very Truly Yours,

Elise Mahesh
Licensing & Research
Wireless Business Development
Northern Telecom, Inc.
2221 Lakeside Blvd., M/S C0726
Richardson, TX. 75082-4399

*add 11-14-96
N/way " , will delete @ renewal
if @ renewal → name change*

Enclosures: Exhibits

Antenna Location Northern Telecom, Inc. Richardson, TX

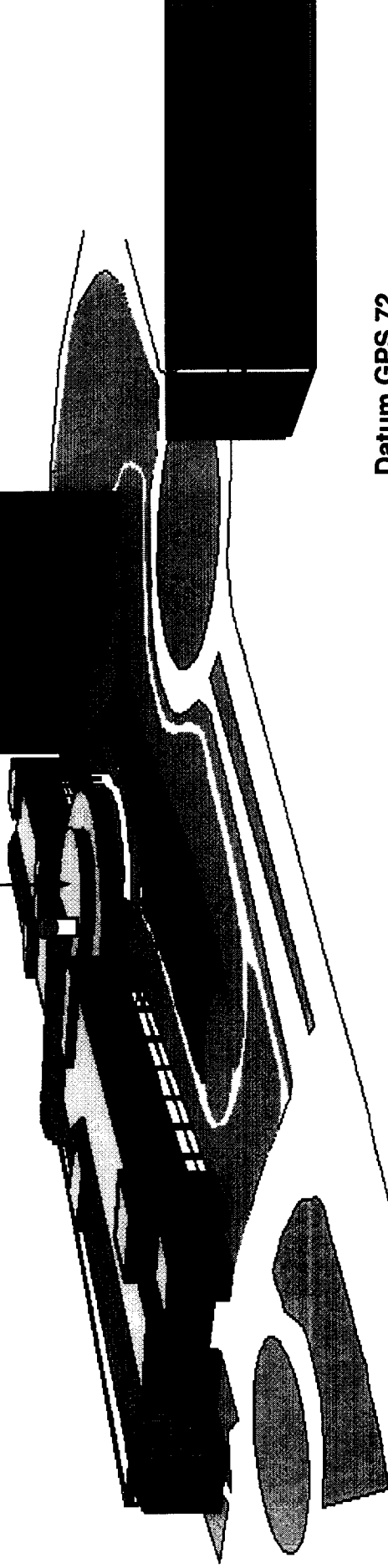
NORTEL

Site Coordinates For:

Experimental Radio License
Call sign: K12 XAG
File number: 4575-EX-MR-94
Effective: January 1, 1995
Expires: January 1, 1997

Location of
CDMA Antennas

2201 Lakeside Blvd



Ground Level Height: 648.94 ft., 197.8 m ASL
AGL/Top of Structure: 94.25 ft., 28.73m
AGL/Electrical Center: 91.25 ft., 27.81m
Height above Top of Bldg. :
Top of Structure: 18 ft., 5.49m
Electrical Center: 15 ft., 4.57m
Horizontal Orientation: 0°, 120°, 240°
Vertical Orientation (mechanical): 0°
Vertical Orientation (electrical): -2° (downtilt)
Beamwidth: H - Plane 92° +/-3° (at -3db) @ half-pwr pts.
H - Plane 92° +/-3° (at -3db) @ half-pwr pts.
Power levels/sector: 56.0W EIRP
Total combined power (3 sectors) 168W EIRP

Datum GPS 72
Latitude: 32°58'50.5" N
Longitude: 96°42'40.1" W

Datum NAD 27
Latitude: 32°51'02.8" N
Longitude: 96°37'18.9" W

Nearest Airport:
Addison Airport,
Latitude 32N-58'-06",
Longitude 96W-50'-12"
7.5 mi (12.07km) distant

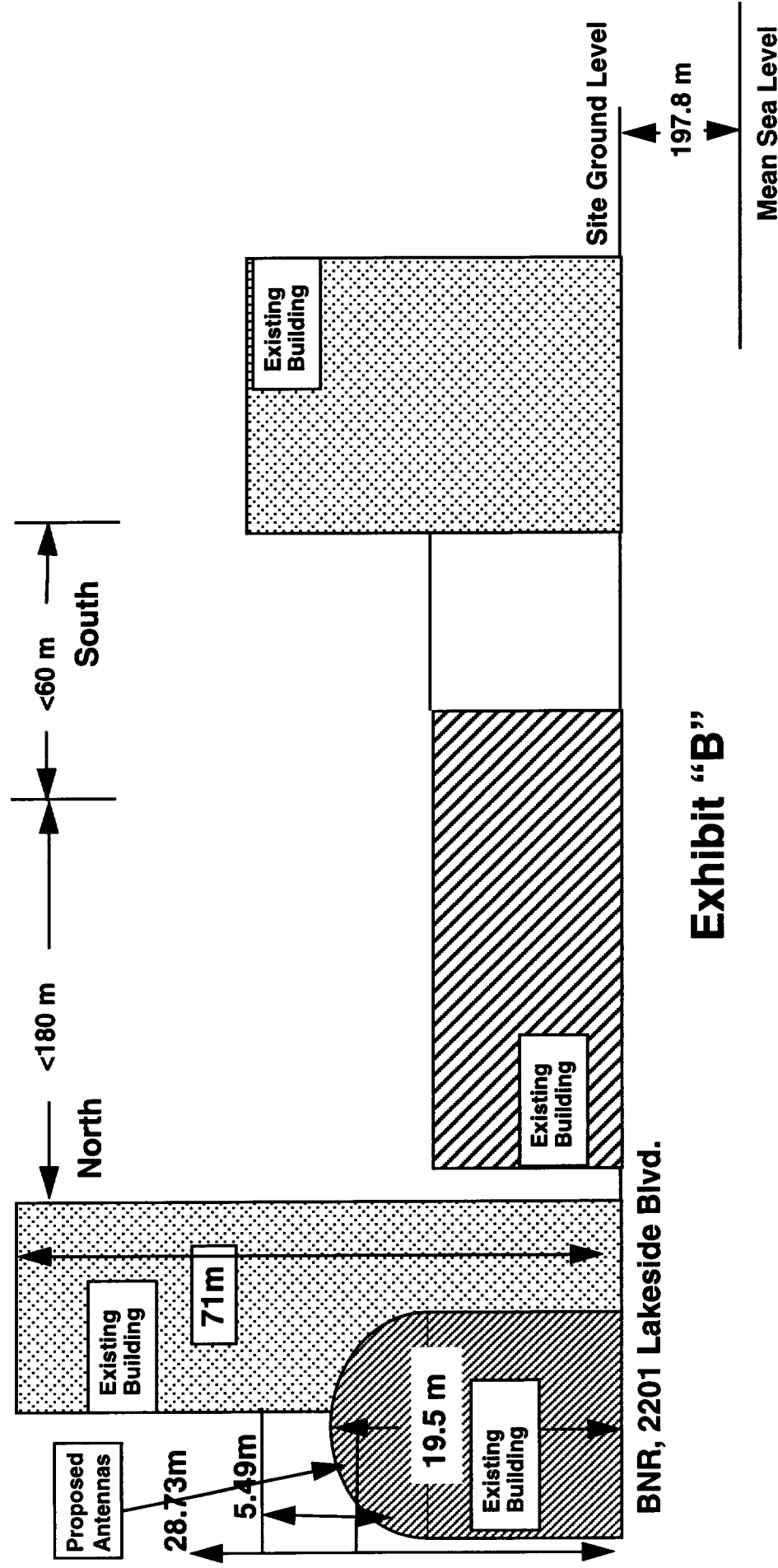
Exhibit "A"

Antenna Description, Vertical Profile Northern Telecom Richardson, TX

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Note: Drawing not to scale.