



# County of Fairfax, Virginia

## MEMORANDUM

DATE: September 9, 2008

**TO:** David Marshall, Chief  
Facilities Planning Branch, DPZ

**FROM:** Kevin Guinaw, Chief *Kevin Guinaw*  
Special Projects/Applications Management Branch, Zoning Evaluation Division, DPZ

**SUBJECT:** Proposed Cricket Telecommunications Facility at 4618 West Ox Road;  
Tax Map 56-1 ((1)) 2; 2232 Application FS-S08-71

This is in response to a request for a determination as to whether the telecommunications facility proposed by Cricket Communications, Inc., at 4618 West Ox Road, would be in substantial conformance with the development conditions imposed by the Board of Supervisors in conjunction with the approval of Special Exception SE 83-S-009 to permit radio, television, microwave facilities and satellite earth stations. As described in the 2232 application dated July 31, 2008, from Paige Cash, eight (8) cylindrical antennas (6 feet high x 6 inches in diameter) are proposed to be mounted on the existing 310-foot high tower at a height of 300 feet. In addition, three (3) equipment cabinets (55 inches high x 52 inches wide x 30 inches deep) are proposed for installation within the existing equipment compound near the base of the tower. A copy of the 2232 application and illustrations of the proposed locations of the telecommunications equipment are attached.

The Zoning Administration Division has determined that a telecommunications facility, as described above, is a permitted use pursuant to the provisions of Sect. 2-514 of the Zoning Ordinance provided that it is determined to be in substantial conformance with any applicable special exception. It is my determination that the proposed telecommunications facility would be in substantial conformance with SE 83-S-009. Please note that this proposal is subject to 2232 review requirements and that Cricket's ability to proceed is dependent upon the pending 2232 being approved by the Fairfax County Planning Commission. This determination has been made in my capacity as the duly authorized agent of the Zoning Administrator. If you have any questions regarding this memorandum, please call Carrie Lee at (703) 324-1290.

*KG/CDL/O:\clee01\ActionAssignments\Antennas\4618 West Ox Rd\_Cricket\_lattice tower.doc*

Attachments: A/S

cc: Pat Herry, Supervisor, Springfield District  
Peter F. Murphy, Jr., Planning Commissioner, Springfield District  
Regina C. Coyle, Director, Zoning Evaluation Division, DPZ  
Diane Johnson-Quinn, Deputy Zoning Administrator, Zoning Permit Review, ZAD, DPZ  
Ken Williams, Chief, Plan and Document Control, Land Development Services, DPWES  
Paige Cash, Cricket Communications, Inc., P.O. Box 141, Bridgewater, VA 22812  
Catherine Blue, Donohue & Blue, 801 N. Fairfax St., Suite 209, Alexandria, VA 22314  
File: SE 83-S-009, ANT 0808 043, Imaging, Reading File





# County of Fairfax, Virginia

## MEMORANDUM

**TO:** Zoning Administration Division, DP&Z  
Technology Infrastructure Division, DIT  
Other: \_\_\_\_\_

**DATE:** 7-31-08  
**RECEIVED**  
Department of Planning & Zoning

FAIRFAX COUNTY  
RECEIVED  
AUG - 1 2008  
2008-0431  
DIVISION OF  
ZONING ADMINISTRATION

**FROM:** David B. Marshall, Chief  
Facilities Planning Branch, DPZ

AUG 01 2008

Zoning Evaluation Division

**SUBJECT:** Request for Review: 2232 Review Application

**RE:** Application Number: FS-508-71 Tax Map: 56-1 (C1) 2D

Attached for your review and comment is a 2232 Review application:

**RECEIVED FROM:** Cricket  
**PROPOSED USE:** tower collocation  
**LOCATION OF USE:** 4618 West Ox

Please send your comments to David Marshall by: 8/15/08 Additional comments:

**\*\*ZAD COMMENTS:**

Property is zoned R-1  
 Proposed use is permitted by Zoning Ordinance and meets all zoning requirements.  
 Proposed use does not meet all Zoning Ordinance requirements as follows:

*permitted under  
Sec 2-514*

**RECEIVED**  
Department of Planning & Zoning  
AUG 07 2008  
Zoning Evaluation Division

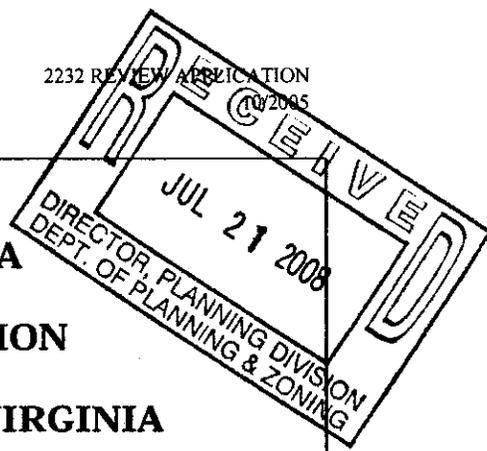
Referred to ZED for the following: Must be in substantial conformance with  
ZAD comments prepared by: LK10ST Date: 8-1-08

**\*\*ZED COMMENTS:**

Proposed use is in substantial accord with all development conditions and/or proffers.  
 Proposed use is not in substantial accord with development conditions and proffers.

ZED comments prepared by: \_\_\_\_\_ Date: \_\_\_\_\_

Department of Planning and Zoning  
Planning Division  
12055 Government Center Parkway, Suite 730  
Fairfax, Virginia 22035-5509  
Phone 703-324-1380  
Fax 703-324-3056  
www.fairfaxcounty.gov/dpz/



**COUNTY OF FAIRFAX, VIRGINIA**  
**APPLICATION FOR DETERMINATION**  
**PURSUANT TO**  
**SECTION 15.2-2232 OF THE CODE OF VIRGINIA**

**Application Number:** FS-808-71  
(assigned by staff)

*The application contains three parts: I. Application Summary; II. Statement of Justification; and I Telecommunication Proposal Details. Please do not staple, bind or hole-punch this application. Please provide at least one copy of all pages, including maps and drawings, on 8.5 x 11 inch paper.*

*(Please Type or Print All Requested Information)*

**PART I: APPLICATION SUMMARY**

**ADDRESS OF PROPOSED USE**

Street Address 4618 West Ox Road (Cox Communication Tower)  
City/Town Fairfax Zip Code 22030

**APPLICANT(S)**

Name of Applicant Cricket Communications, Inc.  
Street Address 7100 Columbia Gateway Drive, Suite 120  
City/Town Columbia State MD Zip Code 21045  
Telephone Number: Work ( ) IAD-557 Fax ( ) \_\_\_\_\_  
E-mail Address \_\_\_\_\_

Name of Applicant's Agent/Contact (if applicable) Paige Cash  
Agent's Street Address P.O. Box 141  
City/Town Bridgewater State VA Zip Code 22812  
Telephone: Work ( 540 ) 908-5767 Fax ( ) 707-929-0205

**PROPOSED USE**

Street Address 4618 West Ox Road (Cox Communication Tower)

Fairfax Co. Tax Map and Parcel Number(s) 56-1 ((1)) 2D

Brief Description of Proposed Use \_\_\_\_\_

Telecommunications facility-Applicant proposes to attach up to 8 antenna on the existing telecommunications structure and install up to 3 equipment cabinets in the existing equipment compound.

Total Area of Subject Parcel(s) unknown (acres or square feet)

Portion of Site Occupied by Proposed Use 200 sq. ft. (acres or square feet)

Fairfax County Supervisor District Springfield

Planned Use of Subject Property (according to Fairfax County Comprehensive Plan)  
Radio and Television

Zoning of Subject Property R-1

List all applicable Proffer Conditions, Development Plans, Special Exceptions, Special Permits or Variances previously approved and related to this site

FS-S06-21. Approved 6/29/2006

**PROPERTY OWNER(s) OF RECORD**

Owner Media General Cable, c/o Cox Communications

Street Address Tax Dept. 1400 Lake Hearn Drive

City/Town Atlanta State GA Zip Code 30319

**PART II**, entitled "Statement of Justification," pages 4 through 6, shall be completed by all applicants and included as part of the application. **PART III**, entitled "Telecommunication Proposal Details," pages 7 through 9, also shall be completed and included for all proposed telecommunication uses.

Name of Applicant or Agent Catherine Blue

Signature of Applicant or Agent Catherine Blue

Date 7-16-08

\*\*\*\*\*

*Please do not staple, bind or hole-punch this application. Please provide at least one copy of all pages, including maps and drawings, on 8.5 x 11 inch paper.*

**Submit completed application to:**

**Fairfax County  
Department of Planning and Zoning, Planning Division  
Herrity Building  
12055 Government Center Parkway, Suite 730  
Fairfax, Virginia 22035**

\*\*\*\*\*

<p><b>FOR STAFF USE ONLY</b></p> <p>Date application received: <u>7/21/08</u></p> <p>By: <u>SMS</u></p> <p>Additional information requested to complete application:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Date application accepted: <u>7/31/08</u></p> <p>By: <u>SMS</u></p>
--

**Application for Determination  
Pursuant to  
Section 15.2-2232, Code of Virginia**

**Part II: Statement of Justification**

I. Description of Proposed Use

Cricket wishes to add its antennas to an existing telecommunications facility and place its equipment in the adjacent equipment compound. Cricket will locate its antennas at the rad center described in the 2232 application.

The proposed facility will be unmanned and will operate around the clock, 365 days per year. Routine maintenance will occur once or twice per month, performed by a service technician driving a standard sized vehicle.

II. Requirement for Proposed Use

The proposed facility is a vital component of Cricket's area-wide wireless telecommunications network. Cricket is a new entrant in this market and as such is just beginning to build out its network in the Baltimore/Washington/Northern Virginia area. Because wireless communications facilities operate at low power levels, wireless service providers such as Cricket must locate antenna sites according to a network design based on interconnecting cells (coverage areas) so that a wireless call can be seamlessly handed off from one wireless communications facility to the next as a user travels throughout the area. Without a sufficient number of wireless communications facilities, calls will drop and disconnect as the user approaches the outer limits of a cell. In order to achieve maximum efficiency from each wireless communications facility in the network, the carrier attempts to locate wireless communications facilities at optimum locations within each cell so that it can attain the broadest pattern of signal distribution and the widest possible spacing between its wireless communications facilities. In order to build its network as efficiently and as quickly as possible, Cricket is collocating its equipment on existing towers and other suitable support structures in Fairfax County.

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Dropped calls are not only an inconvenience and an annoyance for mobile phone users, but a network with significant gaps in coverage also diminishes the important emergency services component of wireless telephone service. Signal quality and network access are what matter most to wireless users. This is particularly important to a new entrant like Cricket who does not have a network in Fairfax County at this time.

Cricket has no coverage in the area surrounding the existing wireless communications facility and by collocating on the existing communications facility, Cricket will be able to begin providing coverage.

### III. Anticipated Impacts on Adjoining Properties

The proposed facility will have no impact on traffic, nor will it emit noise, fumes, or light. It will have no adverse effect on the environment or on the use or development of adjoining properties. Cricket's antennas will operate well below the RF emission guidelines adopted by the Federal Communications Commission and they will cause no interference to radio or television broadcast station reception or to other electronic devices.

### IV. Relationship of the Proposal to the Comprehensive Plan

The proposed facility is consistent with and furthers the goals and objectives of the County Comprehensive Land Use Plan ("Plan") and the location, character and extent of the application are in substantial accord with the Plan.

As to location, the proposed facility will be collocated with an existing facility. Cricket will not have to increase the height of the existing communication facility. The existing support structure is strong enough to support Cricket's antennas.

Cricket's proposed use is also consistent with the objectives found under the policy plan element of the Comprehensive Plan regarding "Mobile and Land-Based Telecommunication Services."

Under the "General Guidelines" section, the policy plan states:

**Objective 42: In order to provide for the multiple and land-based telecommunication network for wireless telecommunication systems licensed by the Federal Communications Commission, and in order to achieve opportunities for the collocation of related facilities and the reduction of their visual impact, locate the network's necessary support facilities which include antennas, monopoles, lattice towers and equipment building in accordance with the following policies:**

**Policy a. Avoid the construction of new structures by locating mobile and land-based telecommunications facilities on available existing structures such as building rooftops, telecommunication and broadcast poles and towers, electrical utility poles and towers and water storage facilities when the telecommunications facilities can be placed inconspicuously to blend with such existing structures.**

Cricket is locating its antennas on a currently existing and approved communications facility. Cricket will not need to increase the height of the communication facility nor its size. Cricket will not expand the existing compound and will be able to place its equipment in the existing compound. Cricket's additional equipment will be screened in the same manner as the existing equipment currently located in the compound.

**Objective 43: Design telecommunication facilities to mitigate their visual presence and prominence, particularly when located in residential areas, by concealing their intended purpose in a way that is consistent with the character of the surrounding area.**

**Policy c. Use appropriately other new and existing structures and vegetation of comparable form and style to establish a grouping that complements a camouflaged telecommunication facility and supports its design, location and appearance.**

Cricket is using an existing communication facility to collocate its antennas and equipment. Cricket will place its equipment in the existing compound area thus screening the additional equipment from view.

For all of the reasons stated above, the Applicant respectfully submits that the proposed facility is consistent with the Comprehensive Plan as to character, location, and extent, and requests that the Planning Commission so determine.

### **PART III: TELECOMMUNICATION PROPOSAL DETAILS**

*Please complete and provide all requested information. If question is not applicable to the proposed use, please indicate with N/A.*

#### **PROPOSED TELECOMMUNICATION USE**

Use is (check one):

- New structure (monopole, tower or camouflaged facility)
- Replacement of existing pole or tower at same location with another pole or tower
- Antenna placement on building or penthouse facade
- Antenna placement on building or penthouse rooftop
- Collocation on other existing telecommunications structure (monopole or tower)
- Collocation on other non-telecommunications structure (such as an electric transmission tower/pole, utility pole, water tower, etc.)
- Modification to telecommunications facility previously approved for same applicant:  
Prior 2232 Review application number: \_\_\_\_\_  
Date of Planning Commission approval: \_\_\_\_\_

#### **PROJECT DETAILS**

##### **1. ANTENNA**

Number and Type: 8-panel cylindrical  
Dimensions: height 6' width \_\_\_\_\_ depth \_\_\_\_\_ diameter 6"  
Location / Placement: \_\_\_\_\_  
Wattage: \_\_\_\_\_  
Material and Color: Grey  
Material and Color of the Antenna Mounting: \_\_\_\_\_  
Height Above Ground: 300'

##### **2. EQUIPMENT**

Number and Type of Cabinets or Structures: up to 3  
Cabinet / Structure Dimensions: height 55" width 52" depth 30"  
Height of equipment platforms, if any: 16"-23"  
Material and Color: Grey Metal  
Location: Within existing compound  
Method of Screening: Fence

##### **3. STRUCTURE ON WHICH ANTENNAS WILL BE MOUNTED**

Maximum Height: 310'  
Material: Steel  
Color: \_\_\_\_\_  
If structure is within a utility right-of-way, state right-of-way width:  
\_\_\_\_\_



GENERAL NOTES

1. THIS MAP IS A PRELIMINARY ZONING MAP AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

2. THE ZONING MAP IS BASED ON THE LATEST AVAILABLE AERIAL PHOTOGRAPHS AND SURVEY DATA.

3. THE ZONING MAP IS SUBJECT TO THE APPROVAL OF THE BOARD OF SUPERVISORS.

4. THE ZONING MAP IS SUBJECT TO THE APPROVAL OF THE COMMONWEALTH OF VIRGINIA.

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GENERAL NOTES

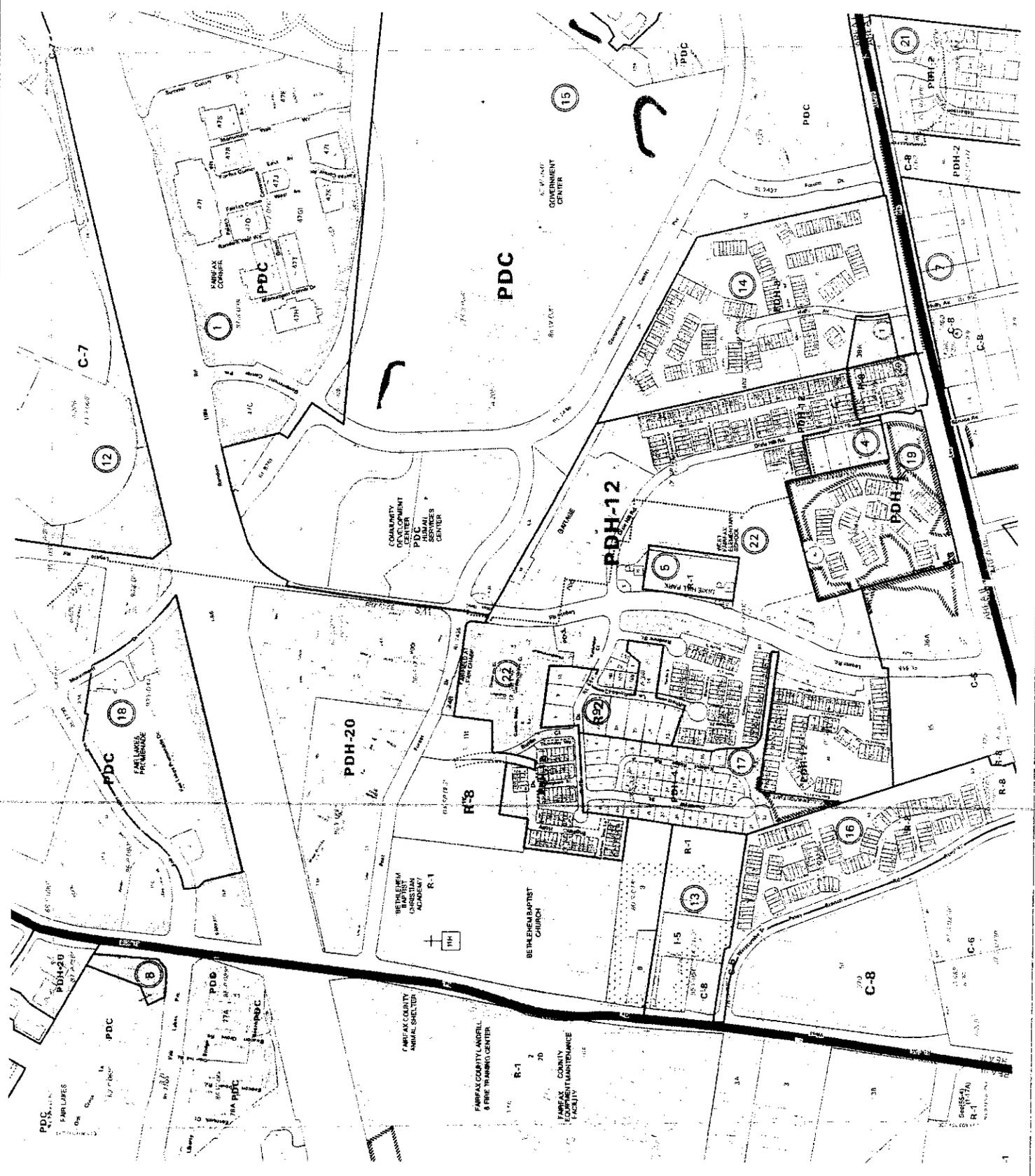
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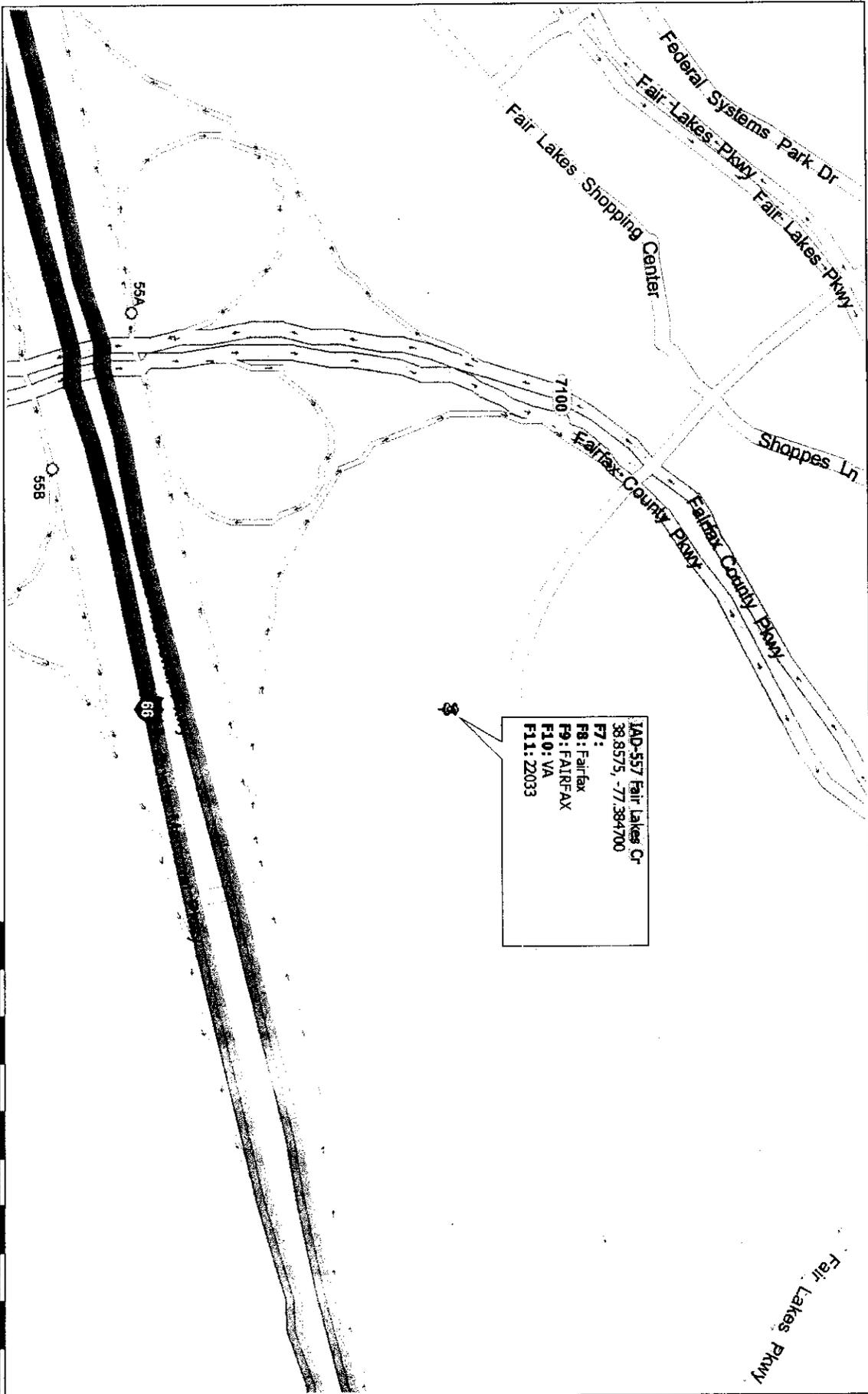
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4. THE ZONING MAP IS SUBJECT TO THE APPROVAL OF THE COMMONWEALTH OF VIRGINIA.

PROPERTY MAP  
ZONING  
56-1  
Revised by: 01/20/86



IAD-557



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# cricket®

## FAIR LAKES CR IAD-557-B

### (4) PROPOSED ANTENNAS AND (4) FUTURE ANTENNAS @ CL 300' ON EXISTING SELF SUPPORTED TOWER AND NEW EQUIPMENT STEEL PLATFORM

<b>BUILDING CODES</b>
2005 INTERNATIONAL BUILDING CODE 2005 NATIONAL ELECTRIC CODE

<b>COMPLIANCE NOTES</b>
1. HANDICAP ACCESS REQUIREMENTS ARE NOT REQUIRED 2. FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION 3. FACILITY HAS NO PLUMBING OR RETROFITMENTS 4. THIS FACILITY SHALL NOT EXCEED ALL FAA AND FCC REGULATORY REQUIREMENTS

<b>PROJECT DESCRIPTION</b>
THE PROJECT CONSISTS OF THE INSTALLATION OF (4) PROPOSED ANTENNAS AND (4) FUTURE ANTENNAS ON EXISTING SELF SUPPORTED TOWER AND NEW EQUIPMENT STEEL PLATFORM. THE PROJECT ALSO INCLUDES THE INSTALLATION OF (2) BITE CABINETS, (2) UTILITY CABINETS, (2) FIVE ACQUIRED PANELS, (2) FIVE ACQUIRED RACKS, AND BULK FOR CABLES AND TRICO SERVICES ARE PROPOSED.

<b>PROJECT SUMMARY</b>
<b>SITE NAME</b> FAIR LAKES CR
<b>SITE NUMBER</b> MO-557-B
<b>SITE ADDRESS</b> 4618 W. OX ROAD FAIRFAX, VA 22030
<b>COUNTY</b> FAIRFAX
<b>TAX PARCEL NUMBER</b> 0501 01 0002
<b>SITE COORDINATES</b> LATITUDE: 36.8549 LONGITUDE: 77.2747
<b>ZONING DISTRICT</b> U-GH1 RESIDENTIAL
<b>BUILDING CODE</b> 2005 INTERNATIONAL BUILDING CODE
<b>TOWER OWNER</b> CRICKET COMMUNICATIONS

<b>APPLICANT</b> CRICKET COMMUNICATIONS, INC. 7100 COLUMBIA GATEWAY DRIVE, SUITE 170 COLUMBIA, MD 21046 OFFICE: 410-872-0078 FAX: 410-872-0442
<b>CRICKET CONTACTS</b> KEVIN GARIBAU 878-885-7145 LUCY JOHN KESLER 410-262-7640

<b>CONTACT INFORMATION</b>
<b>ENGINEER</b> BLACK & VEATCH CORPORATION ONE WOODLAND PARK, VA 22030
<b>CONTACT</b> JASON HILL
<b>PHONE</b> (913) 459-8320

**cricket**  
Cricket Communications, Inc.  
7100 COLUMBIA GATEWAY DRIVE,  
SUITE 170  
COLUMBIA, MD 21046  
OFFICE: 410-872-0078  
FAX: 410-872-0442

**BLACK & VEATCH**  
15065 OAKWOOD DRIVE  
ONE WOODLAND PARK, VA 22030  
(913) 459-8320

PROJECT NO: 151082  
DRAWN BY: ASK  
CHECKED BY: JAH

REV	DATE	DESCRIPTION

COMMONWEALTH OF VIRGINIA  
DAVID H. HINN  
1606 LICENSE NO. 15201  
REGISTERED PROFESSIONAL ENGINEER  
P.E. IN THE STATE OF VIRGINIA  
IN THE FIELD OF ELECTRICAL ENGINEERING  
TO SEAL THIS DOCUMENT

IAD-557-B  
FAIR LAKES CR  
4618 W. OX ROAD  
FAIRFAX, VA 22030

SHEET TITLE  
TITLE SHEET

SHEET NUMBER  
T-1

NOT TO BE USED  
FOR CONSTRUCTION

**APPROVALS**

THE FOLLOWING PARTIES EXERT APPROVE AND ACCEPT RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION AND DATA PROVIDED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND MAY IMPOSE CHANGES OR MODIFICATIONS.

CRICKET R.F.:	DATE:
CRICKET ZONING:	DATE:
CRICKET SA:	DATE:
CRICKET PA:	DATE:
CRICKET CMST:	DATE:
CRICKET ASK INC:	DATE:
PROPERTY OWNER:	DATE:

**DRAWING INDEX**

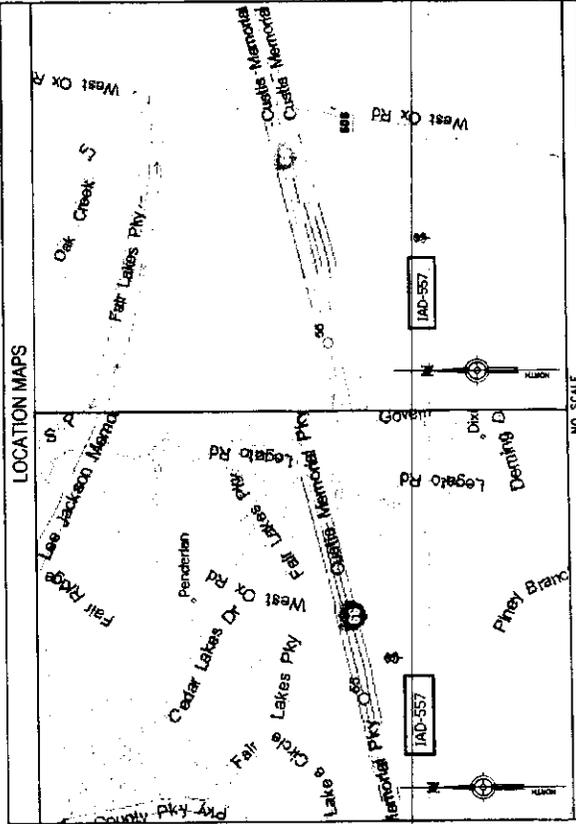
SHEET NO.	SHEET TITLE
T-1	TITLE SHEET
CL-1	PARCEL MAP
A-1	SITE PLAN
A-2	SITE ELEVATION & BY INFORMATION
A-3	SITE DETAILS
A-4	SITE DETAILS
E-1	ELECTRICAL PLAN
E-2	ELECTRICAL DETAILS
G-1	GROUNDING PLAN
G-2	GROUNDING DETAILS
GR-1	GENERAL NOTES
GR-2	GENERAL NOTES
GR-3	GENERAL NOTES

**DO NOT SCALE DRAWINGS**

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

**UTILITIES**

UNDERGROUND SERVICE ALERT  
MISS UTILITY OF VIRGINIA  
1-800-552-7801  
VELOCITY 888-300-3000  
(800) 333-0403



**DRIVING DIRECTIONS**

DIRECTIONS FROM DULLES AIRPORT:  
DEPART DULLES AIRPORT ON ROUTE 28 WEST ON AVIATION DRIVE, TURN RIGHT ONTO COPLOT WAY, TURN LEFT ONTO WOODS DRIVE, ROAD NAME CHANGES TO AVIATION DRIVE, TAKE RAMP ONTO DULLES AIRPORT ACCESS ROAD FOR 0.6 MILES, AT EXIT 9, KEEP RIGHT ONTO RAMP FOR 0.2 MILES, TURN OFF ONTO SR-28, TURN OFF ONTO RAMP FOR 0.2 MILES, TURN RIGHT ONTO TOWARDS US-50, TAKE RAMP ON TO US-50, KEEP RIGHT ONTO RAMP FOR 0.2 MILES, TAKE RAMP ONTO SR-808, TURN RIGHT ONTO LOCAL ROAD.

**cricket**

Cricket Communications, Inc.  
7100 COLUMBIA GATEWAY DRIVE,  
SUITE 120  
COLUMBIA, MD 21046  
OFFICE 410-872-2000  
FAX 410-872-0842

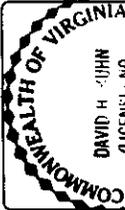


**BLACK & VEATCH**

10950 GRANPINES DRIVE  
OVERLAND PARK, KANSAS 66210  
(913) 438-2000

PROJECT NO: 151002  
DRAWN BY: MKJ  
CHECKED BY: JWR

NO.	DATE	REVISIONS
1	07/26/06	ISSUE FOR PERMITS



DAVID H. HINN  
(LICENSEL) NO. 15200  
REGISTERED PROFESSIONAL ENGINEER  
IN THE STATE OF VIRGINIA  
10000 W. WOODS ROAD, SUITE 100  
FAIRFAX, VA 22030

IAD-557-B  
FAIR LAKES CR  
4618 W. OX ROAD  
FAIRFAX, VA 22030

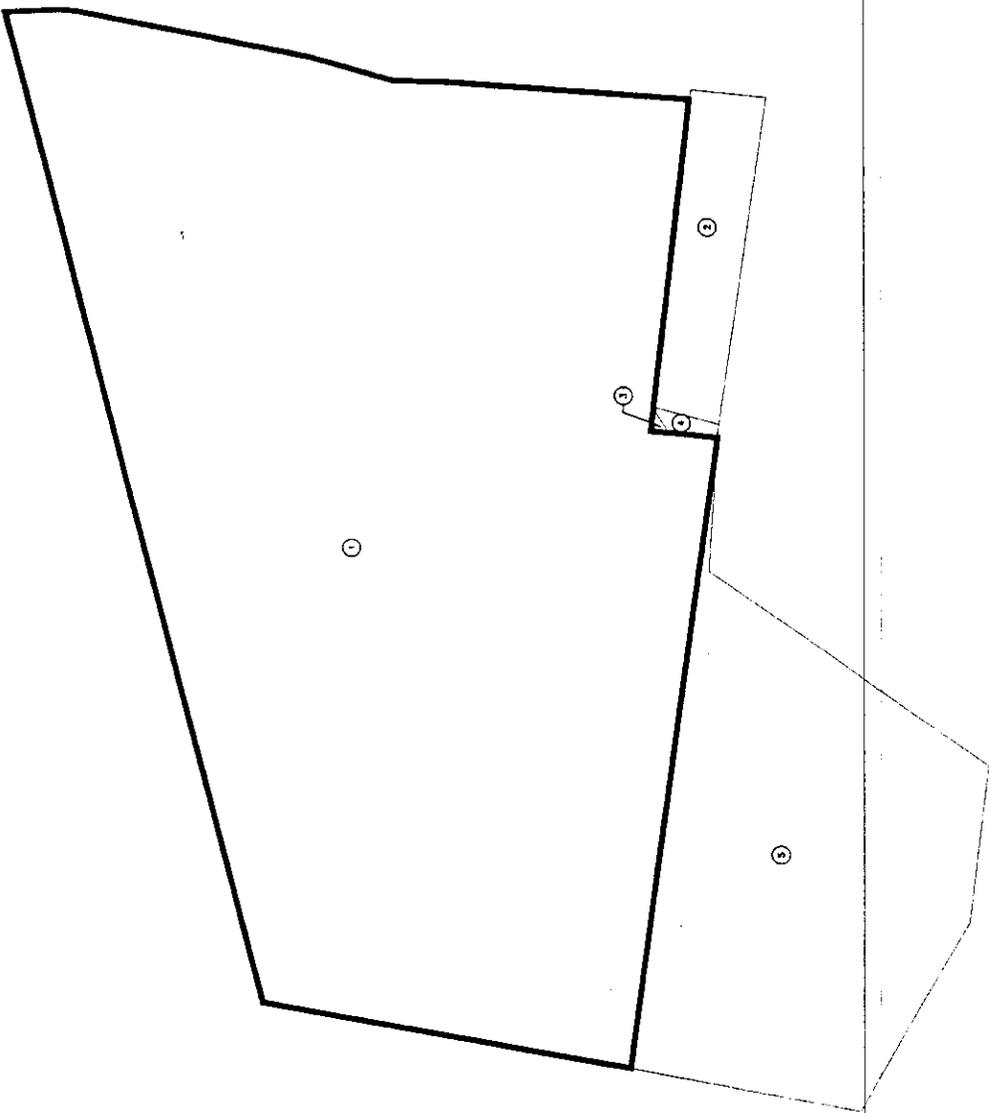
SHEET TITLE  
PARCEL MAP

SHEET NUMBER  
C-1

NOT TO BE USED  
FOR CONSTRUCTION

PIN	OWNER
0561 01 0002	BOARD OF SUPERVISORS FAIRFAX COUNTY COMMONWEALTH OF VIRGINIA
0561 01 0003A	BOARD OF SUPERVISORS FAIRFAX COUNTY COMMONWEALTH OF VIRGINIA
0552 01 0004A	BOARD OF SUPERVISORS FAIRFAX COUNTY COMMONWEALTH OF VIRGINIA
0552 01 0004B	BOARD OF SUPERVISORS FAIRFAX COUNTY COMMONWEALTH OF VIRGINIA
0552 01 0004C	BOARD OF SUPERVISORS FAIRFAX COUNTY COMMONWEALTH OF VIRGINIA

PARCEL MAP  
NO SCALE



**cricket**

Cricket Communications, Inc.  
7100 COLUMBIA GATEWAY DRIVE  
SUITE 120  
COLUMBIA, MD 21046  
OFFICE 410-872-0078  
FAX 410-872-0442



**BLACK & VEATCH**

10850 CAMPDEN DRIVE  
OVERLAND PARK, KANSAS 66210  
(913) 236-2000

PROJECT NO: 181892

DESIGNED BY: JAU

CHECKED BY: JAK

NO.	DATE	REVISION
1	8/10/06	ISSUED FOR PERMITS
2		
3		
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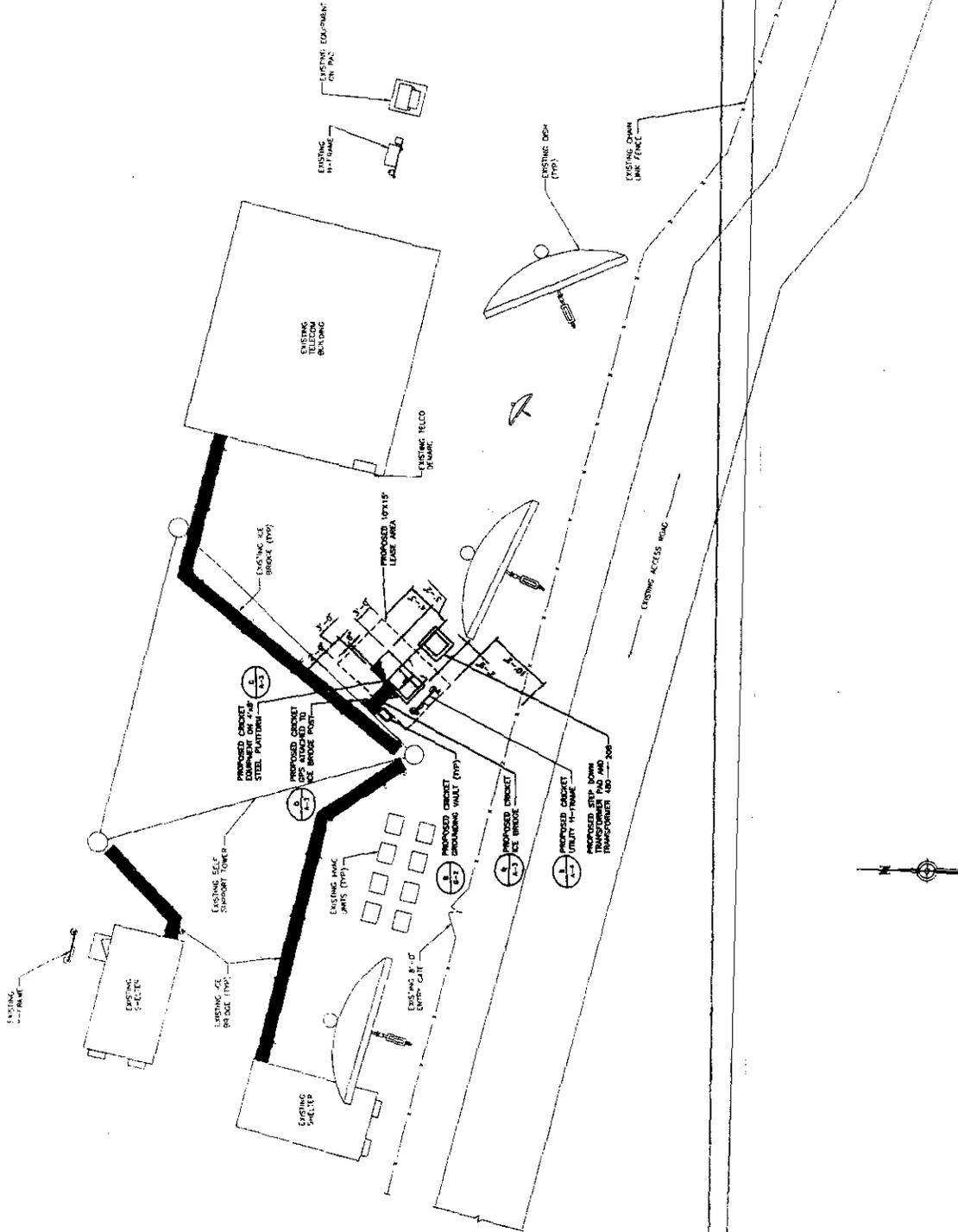
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IAD-557-B  
FAIR LAKES CR  
4618 W. OX ROAD  
FAIRFAX, VA 22030

SHEET TITLE  
SITE PLAN

SHEET NUMBER  
A-1

NOT TO BE USED  
FOR CONSTRUCTION





**cricket**  
Cricket Communications, Inc.  
7100 COLUMBIA GATEWAY DRIVE,  
SUITE 120  
COLLETSVILLE, PA 17034  
OFFICE 410-872-0078  
FAX 410-872-0442



**BLACK & VEATCH**

10950 GRANDWAY DRIVE  
OVERLAND PARK, KS 66210  
(816) 685-2000

PROJECT NO: 181992  
DRAWN BY: ANJ  
CHECKED BY: JHS

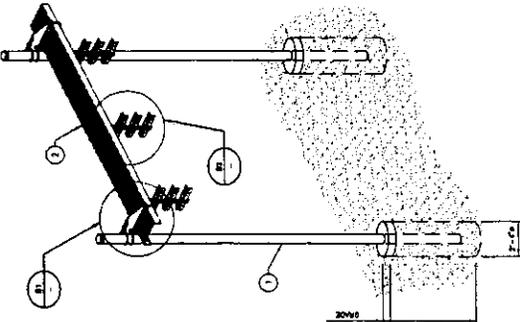
REV	DATE	DESCRIPTION
0	07/20/08	ISSUED FOR CONSTRUCTION



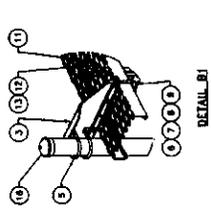
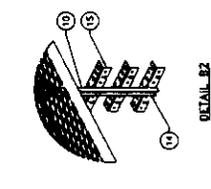
IAD-557-B  
FAIR LAKES CR  
4618 W. OX ROAD  
FAIRFAX, VA 22030

SHEET TITLE  
SITE DETAILS

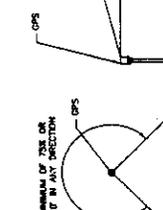
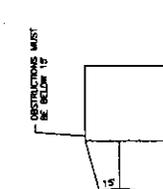
SHEET NUMBER  
A-3



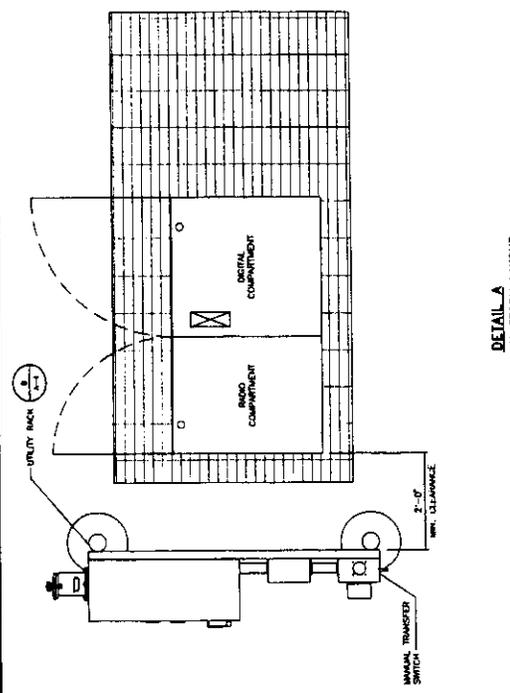
ITEM	QTY	DESCRIPTION	WEIGHT
1	100.01 LBS	DIRECT BIALFA PIPE COLUMN 13' F	
2	8.24 LBS	1/2" SAFETY GRATING	
3	1.70 LBS	1/2" WINGLOCK BRIDGE SUPPORT BRACKET	
4	1.46 LBS	1/2" GALV FLAT WASHER	
5	1.46 LBS	1/2" GALV FLAT WASHER	
6	1.46 LBS	1/2" GALV FLAT WASHER	
7	1.46 LBS	1/2" GALV FLAT WASHER	
8	1.46 LBS	1/2" GALV FLAT WASHER	
9	1.46 LBS	1/2" GALV FLAT WASHER	
10	1.46 LBS	1/2" GALV FLAT WASHER	
11	1.46 LBS	1/2" GALV FLAT WASHER	
12	1.46 LBS	1/2" GALV FLAT WASHER	
13	1.46 LBS	1/2" GALV FLAT WASHER	
14	1.46 LBS	1/2" GALV FLAT WASHER	
15	1.46 LBS	1/2" GALV FLAT WASHER	
16	1.46 LBS	1/2" GALV FLAT WASHER	



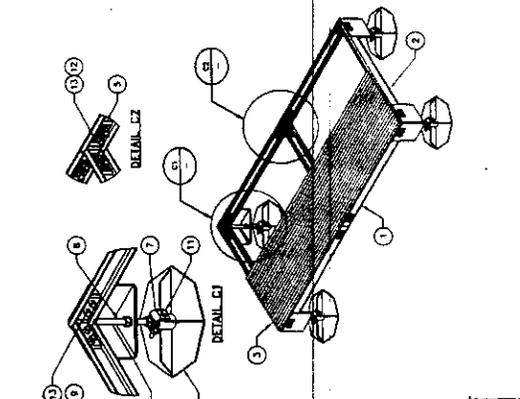
DETAIL B  
ICE BRIDGE SUPPORT BRACKET  
NO SCALE



DETAIL B2  
ICE BRIDGE SUPPORT BRACKET  
NO SCALE

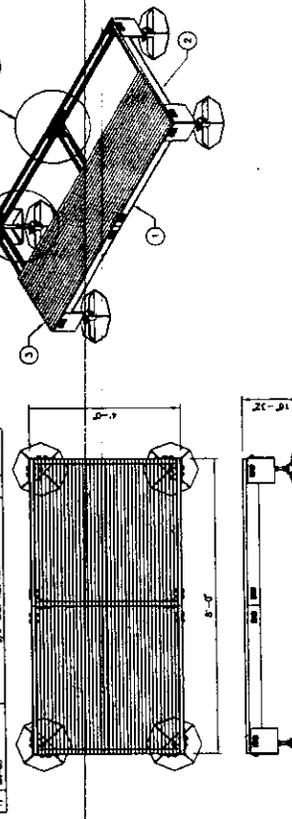


DETAIL A  
TYPICAL PLATFORM LAYOUT  
NO SCALE

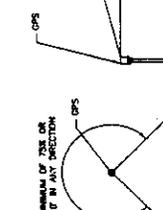
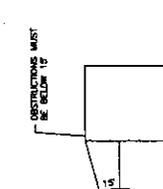


DETAIL C  
TYPICAL PLATFORM  
NO SCALE

ITEM	QTY	DESCRIPTION	WEIGHT
1	1	1/2" SAFETY GRATING	1.70 LBS
2	1	1/2" WINGLOCK BRIDGE SUPPORT BRACKET	1.46 LBS
3	1	1/2" GALV FLAT WASHER	1.46 LBS
4	1	1/2" GALV FLAT WASHER	1.46 LBS
5	1	1/2" GALV FLAT WASHER	1.46 LBS
6	1	1/2" GALV FLAT WASHER	1.46 LBS
7	1	1/2" GALV FLAT WASHER	1.46 LBS
8	1	1/2" GALV FLAT WASHER	1.46 LBS
9	1	1/2" GALV FLAT WASHER	1.46 LBS
10	1	1/2" GALV FLAT WASHER	1.46 LBS
11	1	1/2" GALV FLAT WASHER	1.46 LBS
12	1	1/2" GALV FLAT WASHER	1.46 LBS
13	1	1/2" GALV FLAT WASHER	1.46 LBS
14	1	1/2" GALV FLAT WASHER	1.46 LBS
15	1	1/2" GALV FLAT WASHER	1.46 LBS
16	1	1/2" GALV FLAT WASHER	1.46 LBS
17	1	1/2" GALV FLAT WASHER	1.46 LBS



DETAIL C  
TYPICAL PLATFORM  
NO SCALE



GPS MINIMUM SKY VIEW REQUIREMENTS

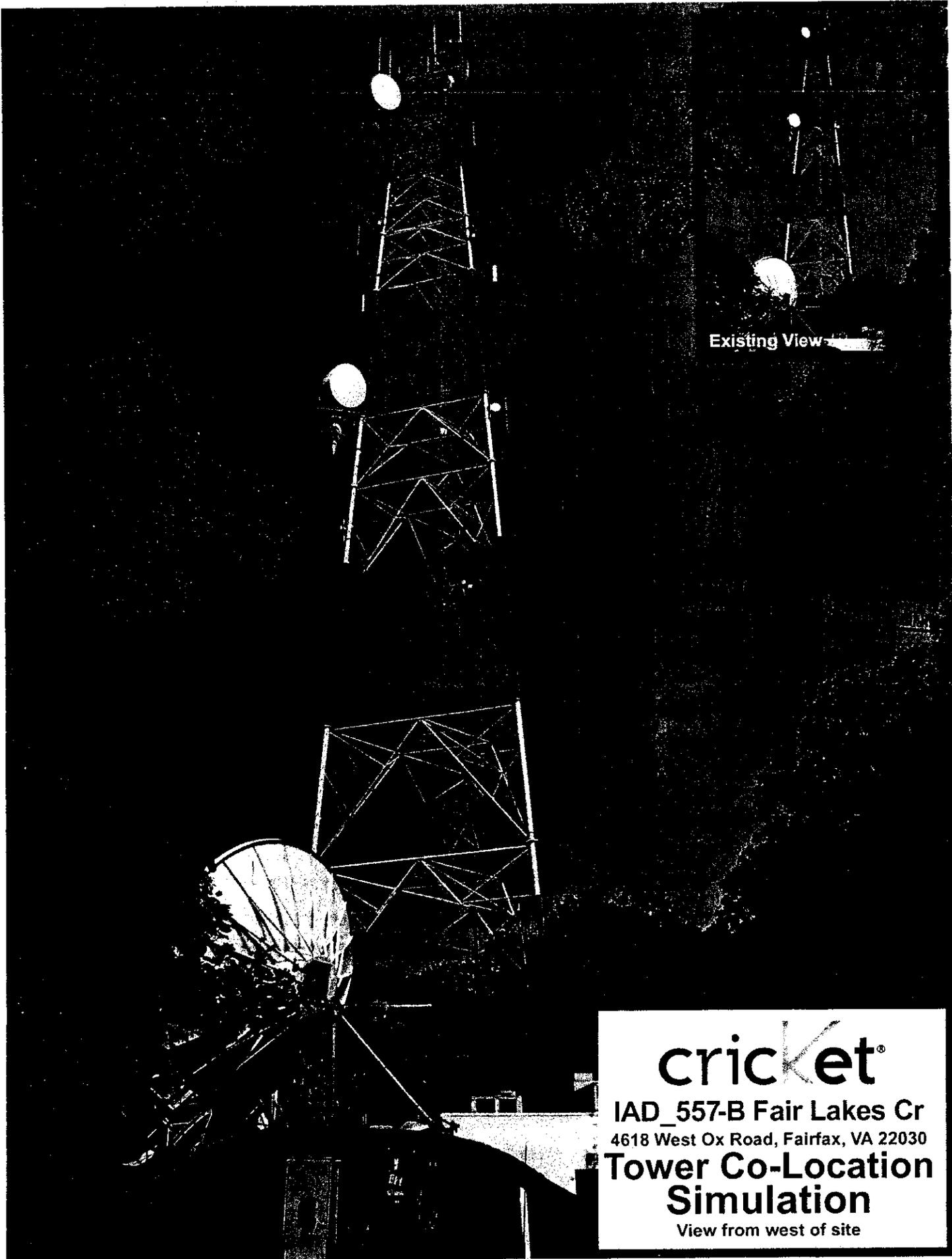
**NOTES:**

- THE ELEVATION AND LOCATION OF THE GPS ANTENNA SHALL BE IN ACCORDANCE WITH THE FINAL RF REPORT.
- THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A STANDARD 1-1/2" DIA. GALV. STEEL PIPE. THE PIPE SHALL BE CUT TO THE REQUIRED LENGTH. THE PIPE SHALL BE CUT TO THE REQUIRED LENGTH. THE PIPE SHALL BE CUT TO THE REQUIRED LENGTH. THE PIPE SHALL BE CUT TO THE REQUIRED LENGTH.
- IT IS CRITICAL THAT THE GPS ANTENNA IS MOUNTED SUCH THAT IT IS WITHIN 2 DEGREES OF VERTICAL AND BASE OF THE ANTENNA IS WITHIN 2 DEGREES OF LEVEL.
- DO NOT SWEEP TEST GPS ANTENNA.

NOT TO BE USED FOR CONSTRUCTION

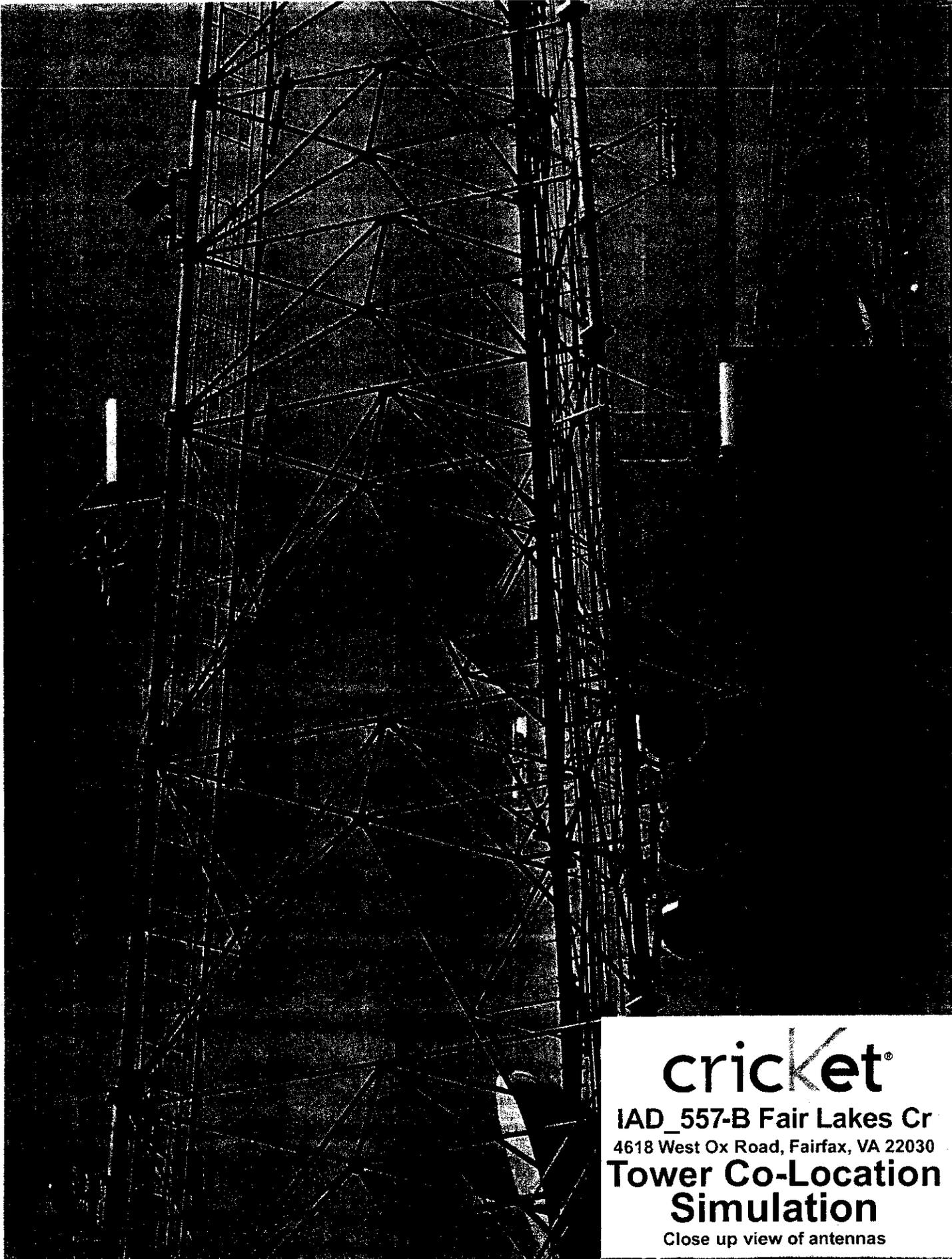
DETAIL D  
GPS  
NO SCALE





Existing View

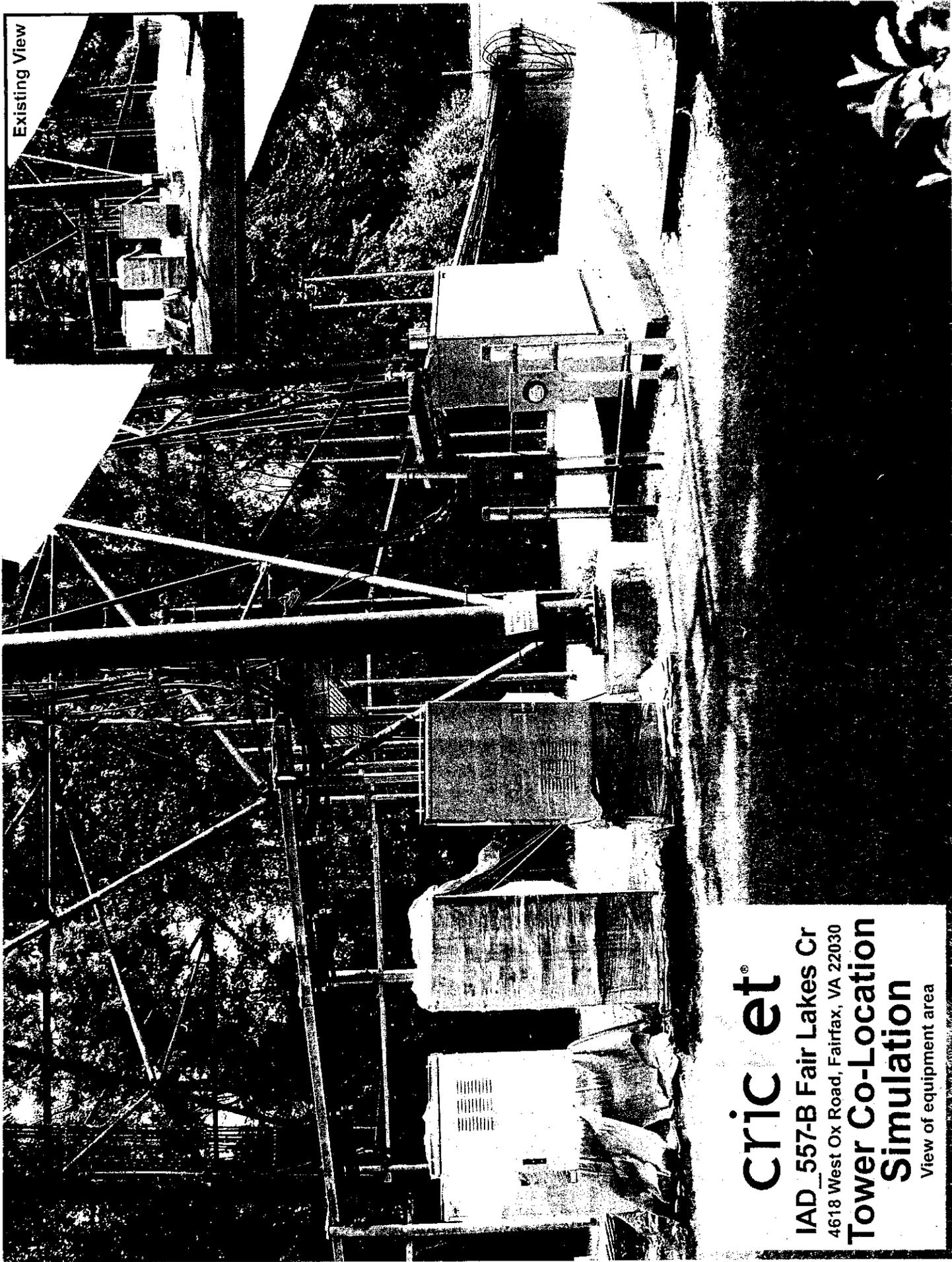
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4618 West Ox Road, Fairfax, VA 22030  
**Tower Co-Location  
Simulation**  
View from west of site



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Close up view of antennas



Existing View

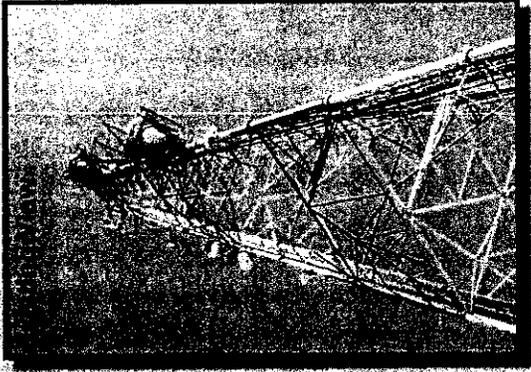
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Simulation**

View of equipment area

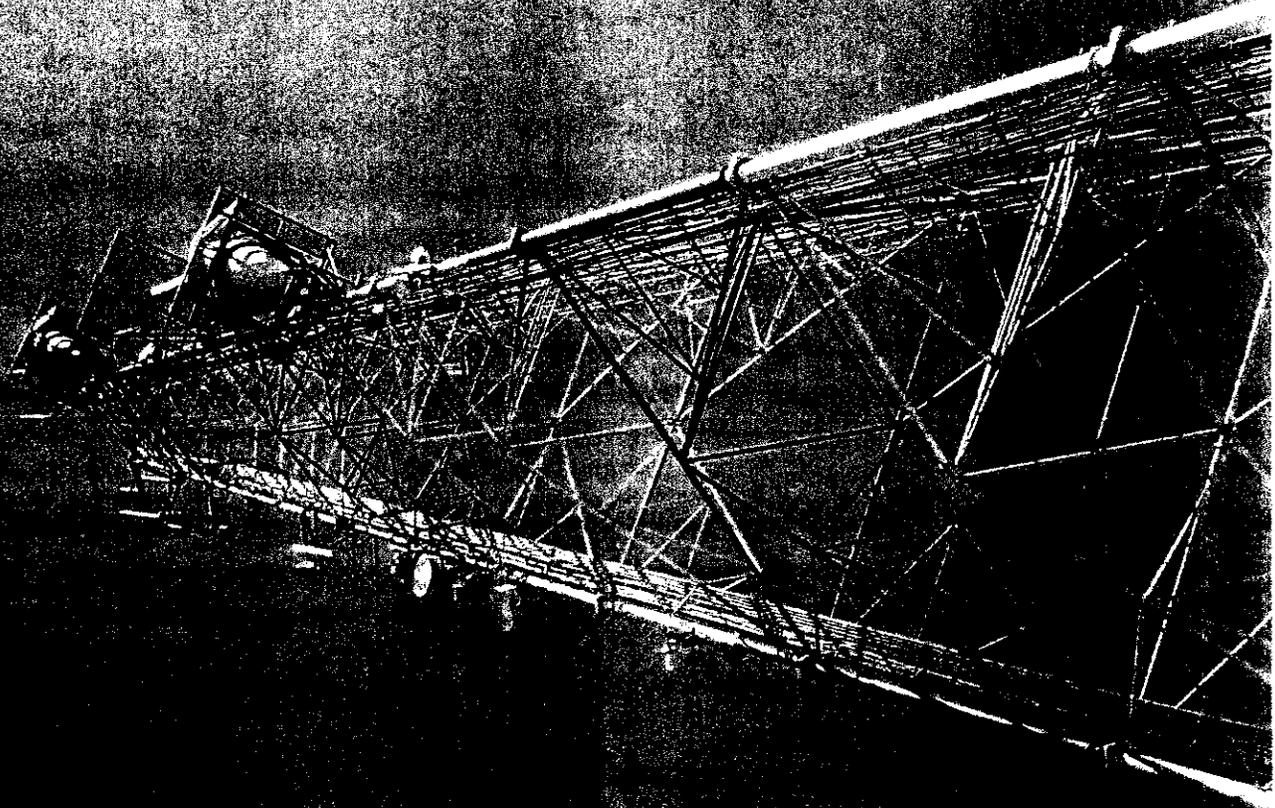


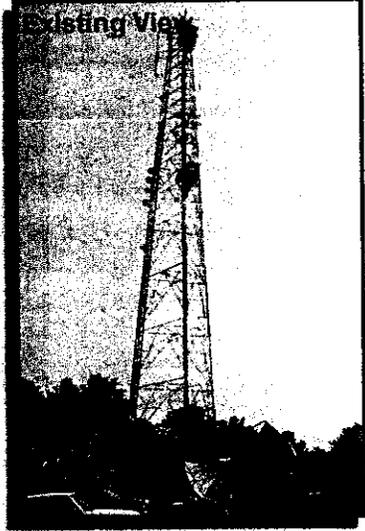
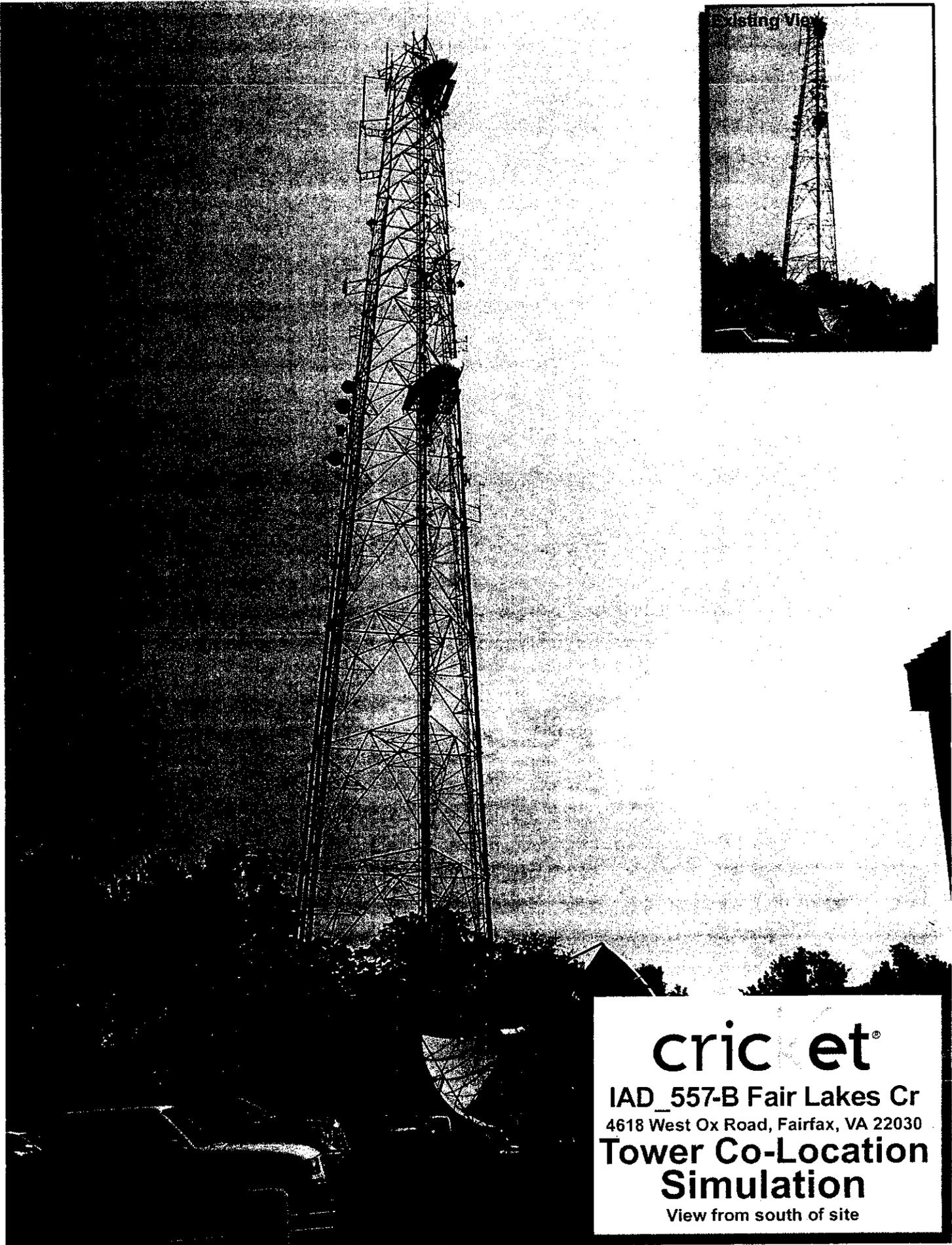
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Simulation**

View from south of site



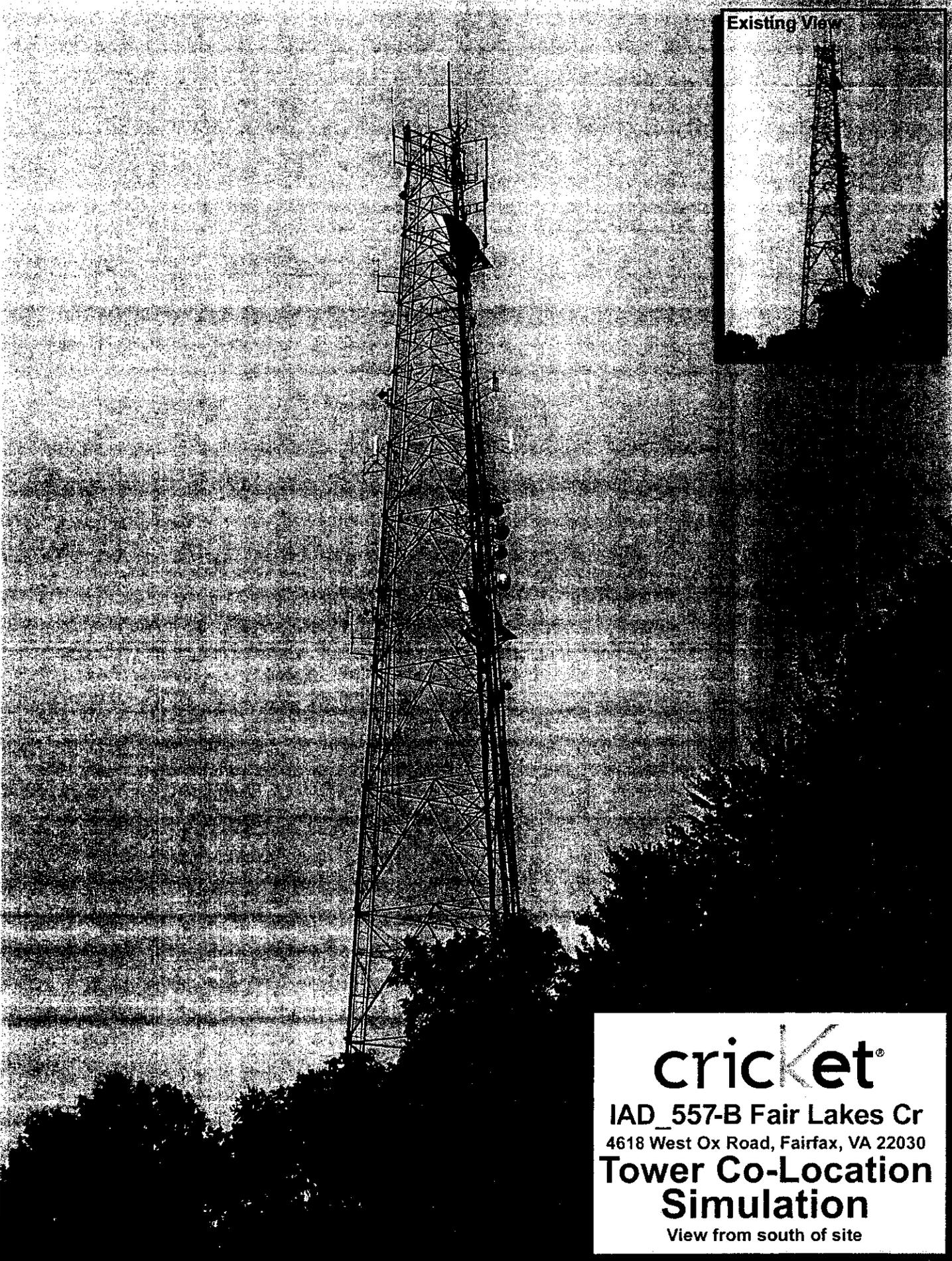
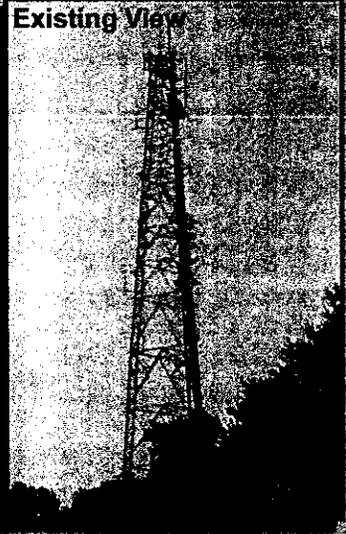


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View from south of site



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