

Planning \$ <u>10.00</u>	Drainage \$
TCP \$	School Impact \$

BLDG PERMIT NO.
FILE #

PLANNING CLEARANCE

(site plan review, multi-family development, non-residential development)
Grand Junction Community Development Department

THIS SECTION TO BE COMPLETED BY APPLICANT

BUILDING ADDRESS 58⁹ N. COMMERCIAL DR TAX SCHEDULE NO. 2945-102-13-013
 SUBDIVISION WESTGATE PARK SQ. FT. OF EXISTING BLDG(S) N/A
 FILING — BLK 2 LOT 12 SQ. FT. OF PROPOSED BLDG(S)/ADDITONS N/A

OWNER NTCH - COLORADO INC
 ADDRESS 1600 UTE AVE., SUITE #10
 CITY/STATE/ZIP GRAND JUNCTION, CO 81501

MULTI-FAMILY:
 NO. OF DWELLING UNITS: BEFORE — AFTER —
 CONSTRUCTION
 NO. OF BLDGS ON PARCEL: BEFORE — AFTER —
 CONSTRUCTION

APPLICANT VERIZON WIRELESS
 ADDRESS 3131 S. VAUGHN WAY, SUITE 550
 CITY/STATE/ZIP AURORA, CO 80014

USE OF ALL EXISTING BLDG(S) Com/IND/TELECOM

TELEPHONE 303-229-4681 BRAD JOHNSON SEE LETTER OF INTENT
 DESCRIPTION OF WORK & INTENDED USE: REPLACE EXISTING ANTENNAS
Submittal requirements are outlined in the SSID (Submittal Standards for Improvements and Development) document.

THIS SECTION TO BE COMPLETED BY COMMUNITY DEVELOPMENT DEPARTMENT STAFF

ZONE <u>C-2</u> SETBACKS: FRONT: _____ from Property Line (PL) or _____ from center of ROW, whichever is greater SIDE: _____ from PL REAR: _____ from PL MAX. HEIGHT _____ MAX. COVERAGE OF LOT BY STRUCTURES _____	LANDSCAPING/SCREENING REQUIRED: YES _____ NO <input checked="" type="checkbox"/> PARKING REQUIREMENT: <u>N/A</u> SPECIAL CONDITIONS: <u>only replacing an existing antenna - Not new</u>
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Modifications to this Planning Clearance must be approved, in writing, by the Community Development Department Director. The structure authorized by this application cannot be occupied until a final inspection has been completed and a Certificate of Occupancy has been issued by the Building Department (Section 307, Uniform Building Code). Required improvements in the public right-of-way must be guaranteed prior to issuance of a Planning Clearance. All other required site improvements must be completed or guaranteed prior to issuance of a Certificate of Occupancy. Any landscaping required by this permit shall be maintained in an acceptable and healthy condition. The replacement of any vegetation materials that die or are in an unhealthy condition is required by the Grand Junction Zoning and Development Code.

Four (4) sets of final construction drawings must be submitted and stamped by City Engineering prior to issuing the Planning Clearance. One stamped set must be available on the job site at all times.

I hereby acknowledge that I have read this application and the information is correct; I agree to comply with any and all codes, ordinances, laws, regulations, or restrictions which apply to the project. I understand that failure to comply shall result in legal action, which may include but not necessarily be limited to non-use of the building(s).

Applicant's Signature [Signature] Date 8/28/06
 Department Approval [Signature] per Santa C. Date 8/28/06

Additional water and/or sewer tap fee(s) are required:	YES	NO <input checked="" type="checkbox"/>	W/O No. <u>No Sew Dr Wtr Change</u>
Utility Accounting <u>[Signature]</u>			Date <u>8/28/06</u>

VALID FOR SIX MONTHS FROM DATE OF ISSUANCE (Section 2.2.C.1 Grand Junction Zoning and Development Code)

(White: Planning) (Yellow: Customer) (Pink: Building Department) (Goldenrod: Utility Accounting)

Verizon Wireless
 3131 S Vaughn Way, Suite 550
 Aurora, CO 80014

August 26, 2006

Attn: Senta Costello
 City of Grand Junction
 Community Development – Planning & Zoning
 250 North 5th Street
 Grand Junction, CO 81505

Subject: Verizon Wireless Antenna Modification: DEN-Forsight Park
Site Address: 585 N. Commercial Drive, Grand Junction, CO 80303

Dear Ms. Costello,

As discussed several weeks ago, Verizon Wireless is in need of replacing existing panel antennas and two runs of coax cables at the above referenced site in order to ensure that adequate and uninterrupted service is maintained at all times per our License Agreement with the Federal Communications Commission (FCC) along with the ability to offer the residents and visitors of Grand Junction with new wireless services.

I have enclosed a map showing the location of the existing wireless telecommunications facility as well as a set of plans depicting the existing conditions and proposed modifications to the facility. I have also provided "cut-sheets" from the antenna manufacturer (Andrew, EMS, & Amphenol Antel, Inc.) detailing the specifications for the proposed new antennas. The modification shall only include the following:

- 1) The removal of nine (9) of the ten (10) existing Verizon Wireless panel antennas currently on the tower at a height of 82 feet.
- 2) The addition of nine (9) new panel antennas maintaining the 82 foot height. The proposed antennas shall not be mounted any higher than the current antennas and this modification shall not result in a height or bulk increase to the tower. The proposed new antennas shall be similar in size as the existing antennas to be replaced.

Antenna Replacement Schedule

Existing Antenna	Existing Antenna Size (H x W x D)	Proposed Replacement Antenna	Proposed Replacement Antenna Size (H x W x D)
Andrew/Decibel DB844H80E-XY	48" x6.5" x 8"	Antel LPA-185063/8CF	47.2" x 6.6" x 5.8"
EMS FR90-11-00DAL4	48" x10" x 3.5"	Antel BXA-185063/8CF	48.75" x 6" x 3.2"
		Andrew/Decibel 844G65VTZASX	48.5" x 12.5" x 8.5"

Verizon Wireless
3131 S Vaughn Way, Suite 550
Aurora, CO 80014

- 3) All associated electronic equipment for the new antennas shall be located within the existing equipment shelter and no part of this equipment will be visible from outside the shelter.
- 4) Removal and replacement of two (2) runs of coax cables size 7/8" with two (2) new runs of coax cables size 1 5/8".
- 5) No other visible or other changes are proposed at this time.

In summary, the site currently has a total of ten (10) panel antennas of which nine (9) will be removed and replaced with similar sized panel antennas. All new antennas shall be mounted at the same heights as the existing antennas. The proposed total number of antennas shall not exceed ten (10). Therefore, there will no net increase in the number of antennas currently at this site and there should be little to no visual differences between the existing and proposed designs.

Please let me know if you have any questions or concerns, or if you are in need of additional information. Please forward any correspondence/permit applications if necessary to my attention at the address provided below. Thank you for your assistance in this matter.

Sincerely,

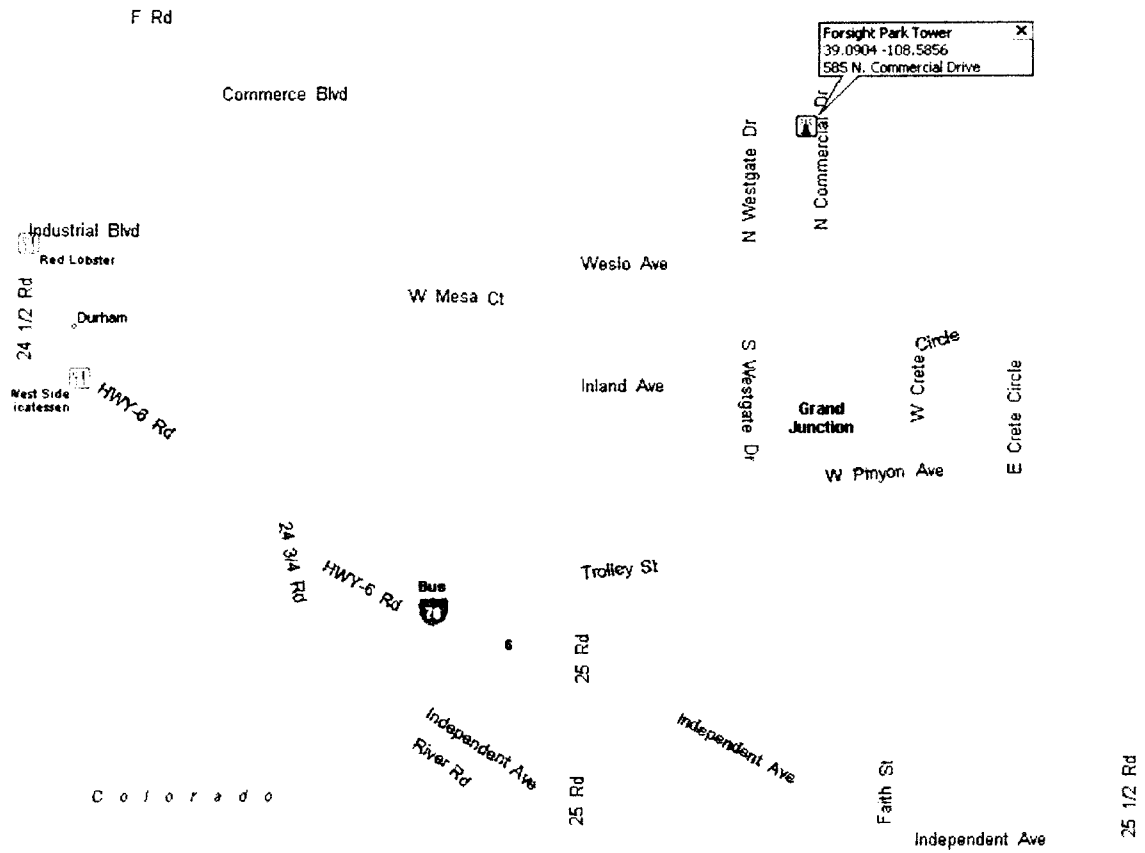


Brad Johnson
Zoning Manager / Site Acquisition Consultant for Verizon Wireless

REI Wireless Consultants
10518 W. Cooper Drive, Littleton, CO 80127
303.229.4681 phone
brad_w_johnson@hotmail.com

Verizon Wireless
3131 S Vaughn Way, Suite 550
Aurora, CO 80014

VICINITY MAP



NTCH - Colorado Collocation Application

(Application fee of \$1,500 required with submittal)

NTCH - Colorado, Inc. 1600 Ute Avenue, Suite 10 Grand Junction, CO Attention: Garry Curry	Main: (970) 234-1357 Fax: (970) 241-0437 e-mail: garry@cleartalk.net
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Site Information

Date: May 26,2006	NTCH Site ID:	NTCH Site Name: Hokenson
Latitude: 39.090444	Longitude: 108.585639	Source of Coordinates: A-1
AGL:	City: Grand Junction	State: Colorado

Tenant Information

Site ID: NA	Site Name: CO3 Foresight Park
Company Name: Verizon Wireless	Company Representing: Retherford Enterprises, Inc. <i>(if consultant)</i>
Contact Name: Joy Retherford	Contact Address: 10763 Adams Street Northglenn, Colorado 80233
Contact Phone: 720-261-2064	
Contact Fax: 720-929-2405	Contact e-mail: Joyretherford@comcast.net

Leasing Information

Contact Name: <i>(if different)</i>	Phone:
Name of Company to Appear on Lease: Colorado RSA NO.3 Limited Partnership, a Delaware limited partnership, d/b/a Verizon Wireless	State Incorporated: Delaware Tax ID #:
Signatory Name: Keith A. Surratt	Signatory Title: West Area Vice President- Network
Corporate Address: 180 Washington Valley Road Bedminster, New Jersey 07921 Attention: Network Real Estate	Notice Address: 180 Washington Valley Road Bedminster, New Jersey 07921 Attention: Network Real Estate With Copies to:
Name / Phone & Address to Send Leases For Execution: <i>(if different)</i> Joy Retherford 720-261-2064 10763 Adams Street Northglenn, CO 80233	# of Original Leases Required: Two Special Instructions:

Construction Information

Contact Name: Jerry Bell	Phone: 303-594-0007
Fax: 303-873-2684	e-mail: Jerald.bell@verizonwireless.com
Mobile: 303-594-0007	Projected Installation Date: ASAP

Tenant Emergency Contact

Name:	Phone:
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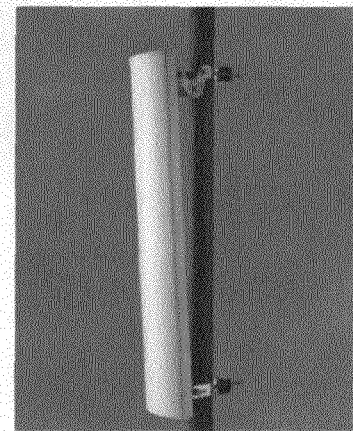
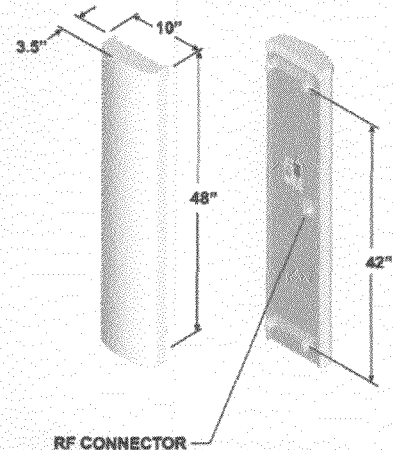
FV90-11-XXDAL4

Vertical Polarization
806 MHz - 896 MHz

SlimGEM™
OptiFill™
Suppressor™

Electrical Specifications

Azimuth Beamwidth	90°
Elevation Beamwidth	14.5°
Elevation Sidelobes (Upper)	≥ 18 dB
Gain	11.2 dBd (13.3 dBi)
Polarization	Linear, Vertical
Front-to-Back Ratio	≥ 22 dB
Electrical Downtilt Options	0°, 5°
VSWR	1.35:1 Max
Connectors	1; Type 7-16 DIN (female)
Power Handling	500 Watts CW
Passive Intermodulation	≤ -150 dBc [2 x 20W (+ 43 dBm)]
Lightning Protection	Chassis Ground



Mechanical Specifications

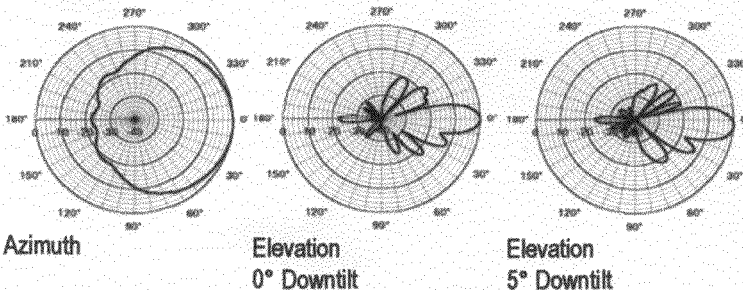
Dimensions (L x W x D)	48 in x 10 in x 3.50 in (122 cm x 25 cm x 9 cm)
Rated Wind Velocity	150 mph (241 km/hr)
Equivalent Flat Plate Area	3.33 ft² (0.3 m²)
Front Wind Load @ 100 mph (161 kph)	98 lbs (435 N)
Side Wind Load @ 100 mph (161 kph)	34 lbs (150 N)
Weight (Without Mounting Kit)	14.2 lbs (6.4 kg)

Mounting Options

MTG-P00-10, MTG-S02-10, MTG-DXX-20*, MTG-CXX-10*, MTG-C02-10, MTG-TXX-10*

Note: *Model number shown represents a series of products. See Mounting Options section for specific model number.

Patterns



Azimuth

Elevation
0° Downtilt

Elevation
5° Downtilt

Revised 04/20/04

EMS' antennas are protected by U.S. Patents 5,844,529; 6,067,053; 6,457,575; 6,575,246. EMS' antenna design is also covered by patent applications and by patents in other countries.

EXISTING ANTENNAS

FORESIGHT PARK

Coax change to 1/2" → 5/8"
7/03 2/10/04



DB844H80E-XY

Directed Dipole Antenna

Decibel®
Base Station Antennas

- Excellent azimuth roll-off, 15-20% reduction in cell to cell overlap
- Superior front to back ratio
- Low profile, low wind load for easy zoning
- Outstanding field record, with thousands of units deployed, world wide

ELECTRICAL

Frequency (MHz) :	806 - 896	870 - 960
Polarization :	Vertical	Vertical
Gain (dBd/dBi) :	12.5/14.6	12.8/14.9
Azimuth BW (Deg.):	80	80
Elevation BW (Deg.):	15	15
Beam Tilt (Deg.):	0	0
USLS* (dB) :	15	15
Front-To-Back Ratio* (dB) :	40	40
VSWR :	<1.5:1	<1.5:1
Max. Input Power (Watts) :	500	500
Impedance (Ohms) :	50	50
Lightning Protection :	DC Ground	DC Ground

Weight :	6.3 kg (14 lb)
Dimensions (LxWxD) :	1,219 x 165 x 203 mm (48 x 6.5 x 8 in)
Max. Wind Area :	0.10 m ² (1.1 ft ²)
Max. Wind Load (@ 100 mph) :	262.4 N (59 lbf)
Max. Wind Speed :	241 km/h (150 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (1, Back)
Color :	Light Gray
Standard Mounting Hardware :	DB380
Standard Downtilt Mounting Hardware :	DB5083

PROPOSED
ANTENNAS
FORESITE PARK

Andrew Corporation
2601 Telecom Parkway
Richardson, Texas U.S.A 75082-3521
Tel: 214.631.0310

Fax: 214.631.4706
Toll Free Tel: 1.800.676.5342
Fax: 1.800.229.4706
www.andrew.com

* - Indicates Typical
1/26/2006
dbtech@andrew.com

Information correct at date of issue but may be subject to change without notice.

Slant +/- 45° Dual Polarized, Panel 63° / 18.5 dBi

BXA-185063/8CF

When ordering, replace "___" with connector type.

Mechanical specifications

Length	1238 mm	48.75 in
Width	154 mm	6.06 in
Depth	80 mm	3.15 in
4) Weight	4.5 kg	10.0 lbs

Wind Area

Front	0.191 m ²	2.05 ft ²
Side	0.099 m ²	1.07 ft ²

Rated Wind Velocity (Safety factor 2.0)

>322 km/hr >200 mph

Wind load @ 100 mph (161 km/hr)

Front	288 N	65 lbs
Side	170 N	38 lbs

Antenna consisting of aluminum alloy with brass feedlines covered by a UV safe fiberglass radome.

Mounting & Downtilting:

Wall mounted or pole tower mount with mounting brackets.

Mounting bracket kit #26799997

Downtilt bracket kit #26799999

The downtilt bracket kit includes the mounting bracket kit.

Electrical specifications

Frequency Range	1850-1990 MHz
Impedance	50Ω
3) Connector	NE, E-DIN
1) VSWR	≤1.4:1
Polarization	Slant ± 45°
1) Isolation Between Ports	< -30 dB
1) Gain	18.5 dBi
2) Power Rating	250 W
1) Half Power Angle	
H-Plane	63°
E-Plane	7°
1) Electrical Downtilt	0°
1) Null Fill	5%
Lightning Protection	Direct Ground

Patented Dipole Design: U.S. Patent No. 6,597,324 B2

1) Typical Values

2) Power Rating limited by connector only.

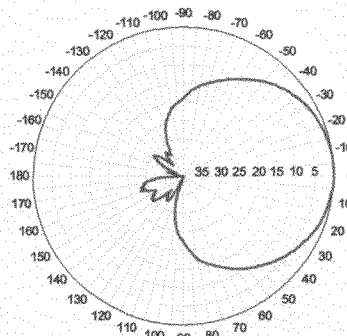
3) NE indicates an elongated N Connector.

E-DIN indicates an elongated DIN Connector.

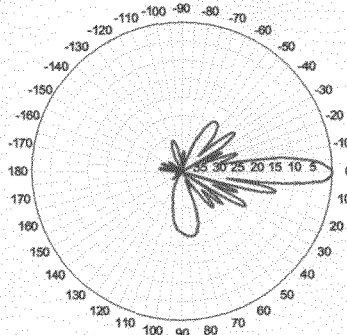
4) The antenna weight listed above does not include the bracket weight.

Improvements to mechanical and/or electrical performance of the antenna may be made without notice.

Radiation-pattern¹⁾



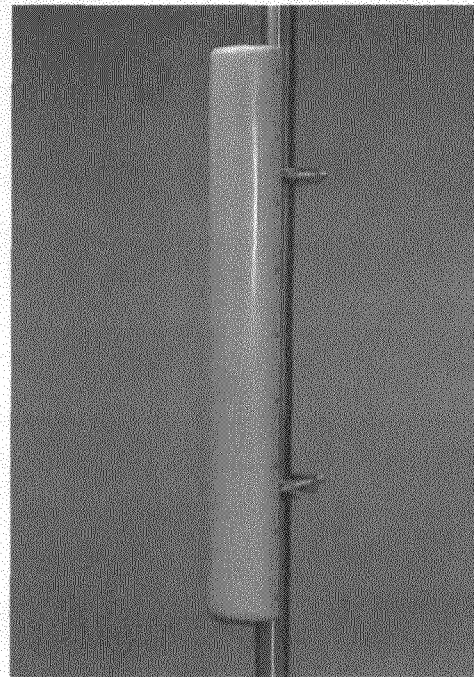
Horizontal



Vertical

Radiation patterns for all antennas are measured with the antenna mounted on a fiberglass pole.

Mounting on a metal pole will typically improve the Front-to-Back Ratio.



1850-1990 MHz



Amphenol Antel's Exclusive 3T (True Transmission Line Technology) Antenna Design:

- Watercut brass feedline assembly for consistent performance.
- Unique feedline design eliminates the need for conventional solder joints in the signal path.
- A non-collinear system with access to every radiating element for broad bandwidth and superior performance.
- Air as insulation for virtually no internal signal loss.

Every Amphenol Antel antenna is under a five-year limited warranty for repair or replacement.

Antenna available with center-fed connector only.

CF Denotes a Center-Fed Connector.

1850-1990 MHz

Amphenol Antel, Inc.
The Antenna Technology Company

Revision Date: 8/23/04

Vertically Polarized, Log Periodic 63° / 18 dBi

LPA-185063/8CF

When ordering, replace "___" with connector type.

Mechanical specifications

Length	1200 mm	47.2 in
Width	167 mm	6.6 in
Depth	148 mm	5.8 in
4) Weight	4.1 kg	9.0 lbs
Wind Area		
Front	0.200 m ²	2.15 ft ²
Side	0.178 m ²	1.91 ft ²
Rated Wind Velocity (Safety factor 2.0)		
	>548 km/hr	>341 mph
Wind load @ 100 mph (161 km/hr)		
Front	299 N	67.2 lbs
Side	267 N	60.0 lbs

Antenna consisting of aluminum alloy with brass feedlines covered by a UV safe fiberglass radome.

Mounting & Downtilting:

Wall mounted or pole tower mount with mounting brackets.

Mounting bracket kit #26799997

Downtilt bracket kit #26799999

The downtilt bracket kit includes the mounting bracket kit.

Electrical specifications

Frequency Range	1850-1990 MHz
Impedance	50Ω
3) Connector	NE, E-DIN
1) VSWR	≤1.4:1
Polarization	Vertical
1) Gain	18 dBi
2) Power Rating	250 W
1) Half Power Angle	
H-Plane	63°
E-Plane	8°
1) Electrical Downtilt	0°
1) Null Fill	10-20%
Lightning Protection	Direct Ground

¹⁾ Typical Values

²⁾ Power Rating limited by connector only.

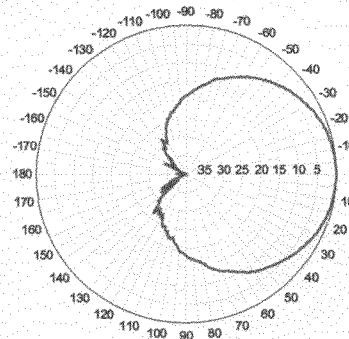
³⁾ NE indicates an elongated N Connector.

E-DIN indicates an elongated DIN Connector.

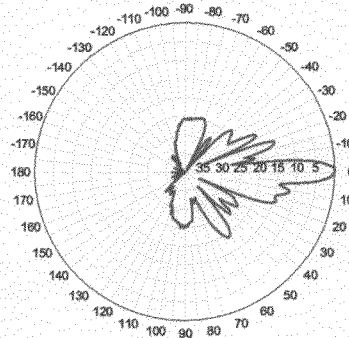
⁴⁾ The antenna weight listed above does not include the bracket weight.

Improvements to mechanical and/or electrical performance of the antenna may be made without notice.

Radiation-pattern¹⁾



Horizontal



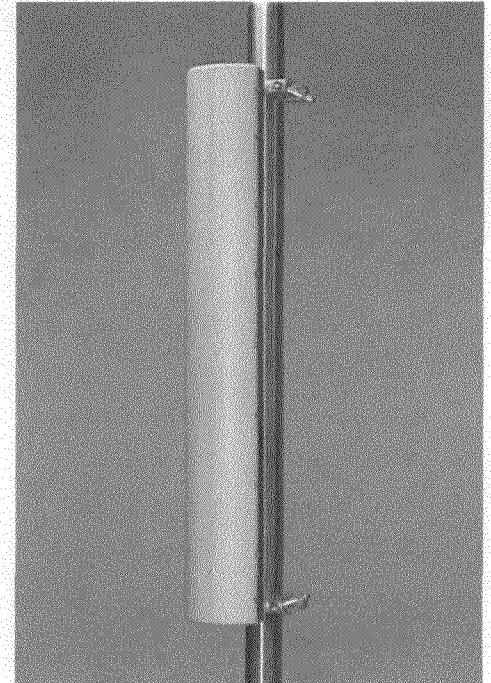
Vertical

Radiation patterns for all antennas are measured with the antenna mounted on a fiberglass pole.

Mounting on a metal pole will typically improve the Front-to-Back Ratio.

CF Denotes a Center-Fed Connector.

1850-1990 MHz



Amphenol Antel's Exclusive 3T (True Transmission Line Technology) Antenna Design:

- True log-periodic design allows for superior front-to-side characteristics to minimize sector overlap.
- Unique feedline design eliminates the need for conventional solder joints in the signal path.
- A non-collinear system with access to every radiating element for broad bandwidth and superior performance.
- Air as insulation for virtually no internal signal loss.

Every Amphenol Antel antenna is under a five-year limited warranty for repair or replacement.

Antenna available with center-fed connector only.



Revision Date: 8/23/04



844G65VTZASX

Directed Dipole, No Screen Antenna

DECIBEL®
Base Station Antennas

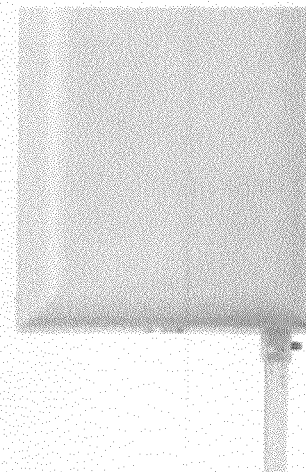
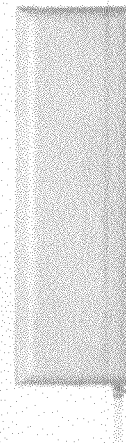
- Field adjustable electrical downtilt, featuring linear phase shifter, no wheels or gears
- Excellent azimuth pattern shaping, 15-20% reduction in cell-to-cell overlap
- Outstanding first upper side lobe suppression
- Air dielectric feed system, no screws, rivets, welds or solder in RF element feed path

ELECTRICAL

Frequency (MHz) :	806 - 896	897 - 940
Polarization :	Vertical	Vertical
Gain (dBd/dBi) :	13/15.1	13/15.1
Azimuth BW (Deg.):	65	65
Elevation BW (Deg.):	16	16
Beam Tilt (Deg.):	0-16	0-16
USLS* (dB) :	>15	>15
Front-To-Back Ratio* (dB) :	40	40
VSWR :	<1.4:1	<1.5:1
PIM3 @ 2 x 20w (dBc) :	-150	-150
Max. Input Power (Watts) :	500	500
Impedance (Ohms) :	50	50
Lightning Protection :	DC Ground	DC Ground

MECHANICAL

Weight :	7.2 kg (16 lb)
Dimensions (LxWxD) :	1,232 x 318 x 216 mm (48.5 x 12.5 x 8.5 in)
Max. Wind Area :	0.13 m ² (1.4 ft ²)
Max. Wind Load (@ 100 mph) :	631.6 N (142 lbf)
Max. Wind Speed :	241 km/h (150 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (1, Back)
Color :	Light Gray
Standard Mounting Hardware :	DB380
Standard Downtilt Mounting Hardware :	DB5083



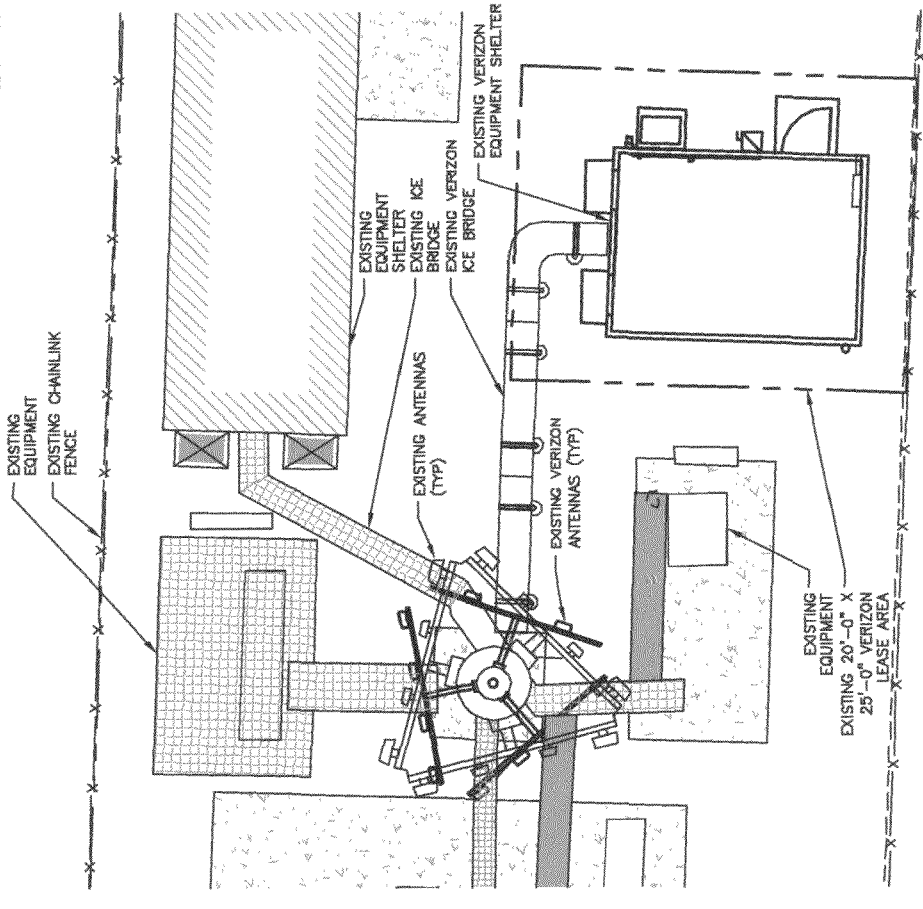
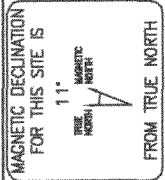
Andrew Corporation
2601 Telecom Parkway
Richardson, Texas U.S.A 75082-3521
Tel: 214.631.0310

Fax: 214.631.4706
Toll Free Tel: 1.800.676.5342
Fax: 1.800.229.4706
www.andrew.com

* - Indicates Typical
5/4/2005
dbtech@andrew.com

Information correct at date of issue but may be subject to change without notice.

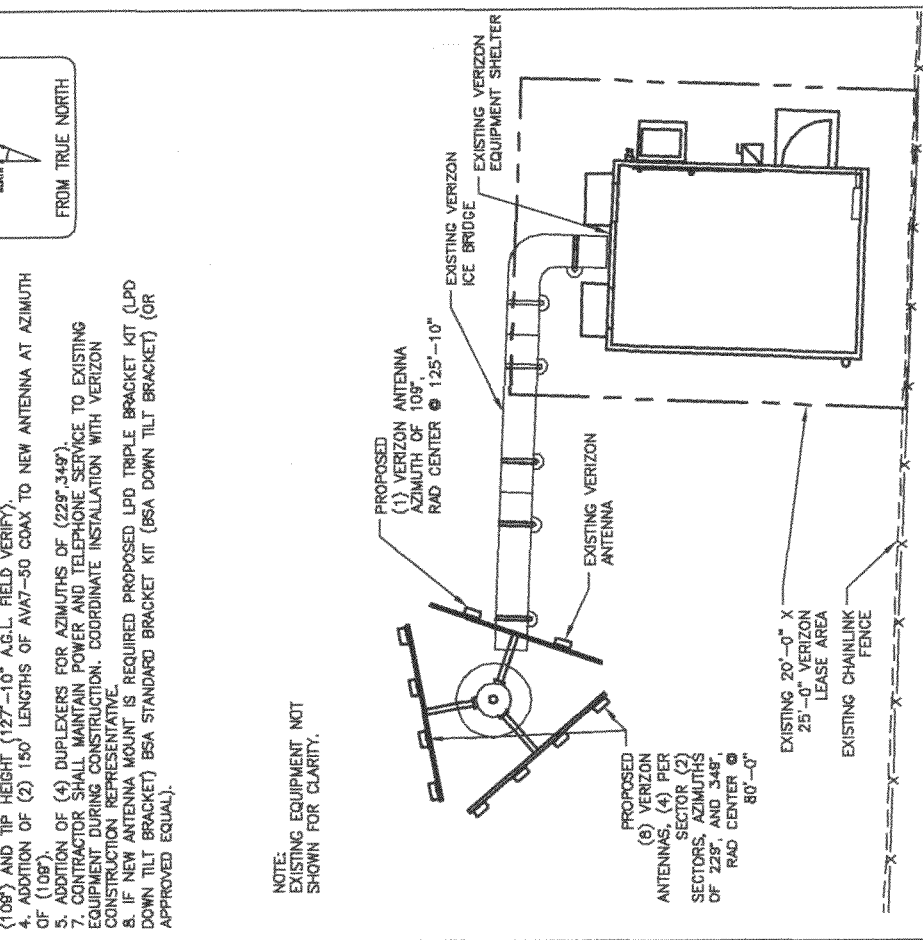
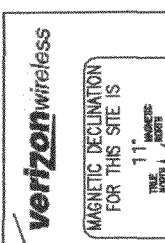
NOTES:
 1. FIELD VERIFY HEIGHT OF BUILDING AND ALL ANTENNAS & RETURN TO CAD DEPARTMENT.



EXISTING ROOF PLAN

ENGINEER: DOK	BY: SMT	DATE: 09.09.03
TITLE: CONSTRUCTION DRAWINGS		
SITE: C03 FORSIGHT PARK		
SHT: 1 of 2		SCALE: 1/8"=1' REVISION: 6

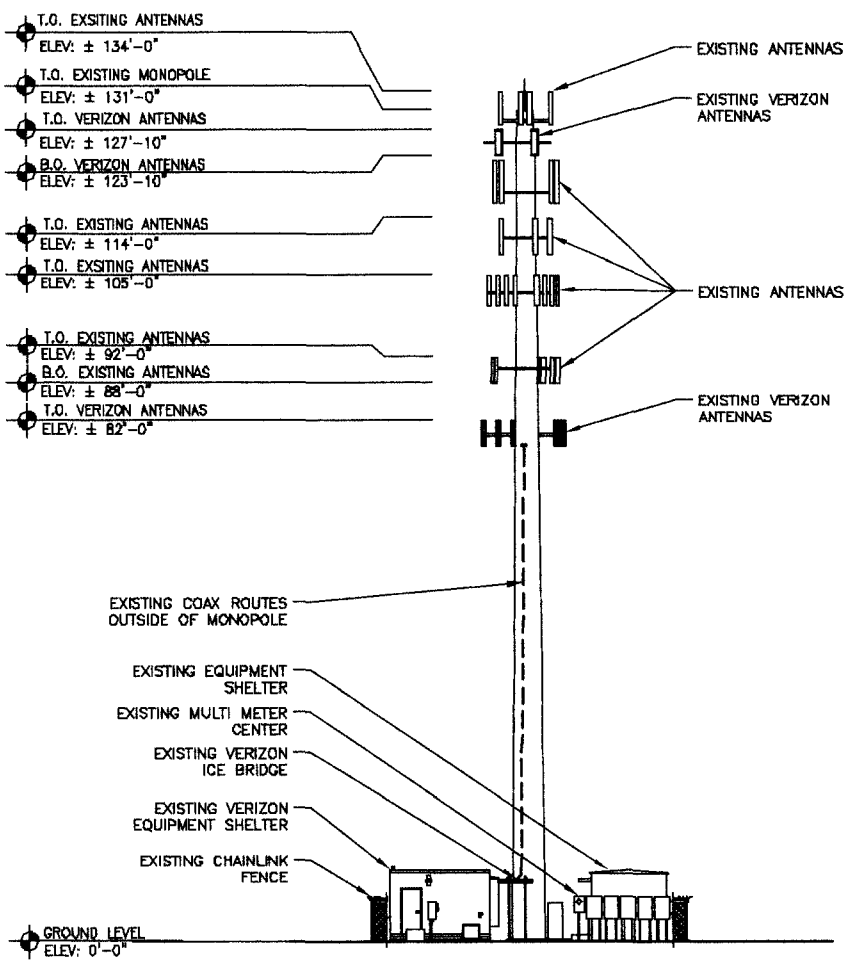
NOTES:
 1. ADDITION OF (4) (2 OUTSIDE PER SECTOR) ANTENNAS "ANTEL" DECIBEL 844G85VZASX. KEEP EXISTING AZIMUTHS (229°, 349°) AND TIP HEIGHT (82'-0" A.G.L. FIELD VERIFY).
 2. ADDITION OF (4) (2 INSIDE PER SECTOR) PCS ANTENNAS "ANTEL" LPA-185063/BCF. KEEP EXISTING AZIMUTHS (229°, 349°) AND TIP HEIGHT (82'-0" A.G.L. FIELD VERIFY).
 3. ADDITION OF (1) "ANTEL" BXA-183063/BCF ANTENNA. KEEP EXISTING AZIMUTH (108°) AND TIP HEIGHT (127'-10" A.G.L. FIELD VERIFY).
 4. ADDITION OF (2) 150' LENGTHS OF AVAT-50 COAX TO NEW ANTENNA AT AZIMUTH OF (108°).
 5. ADDITION OF (4) DUPLEXERS FOR AZIMUTHS OF (229°, 349°).
 6. CONTRACTOR SHALL MAINTAIN POWER AND TELEPHONE SERVICE TO EXISTING EQUIPMENT DURING CONSTRUCTION. COORDINATE INSTALLATION WITH VERIZON CONSTRUCTION REPRESENTATIVE.
 8. IF NEW ANTENNA MOUNT IS REQUIRED PROPOSED LPD TRIPLE BRACKET KIT (LPD DOWN TILT BRACKET) BSA STANDARD BRACKET KIT (BSA DOWN TILT BRACKET) (OR APPROVED EQUAL).



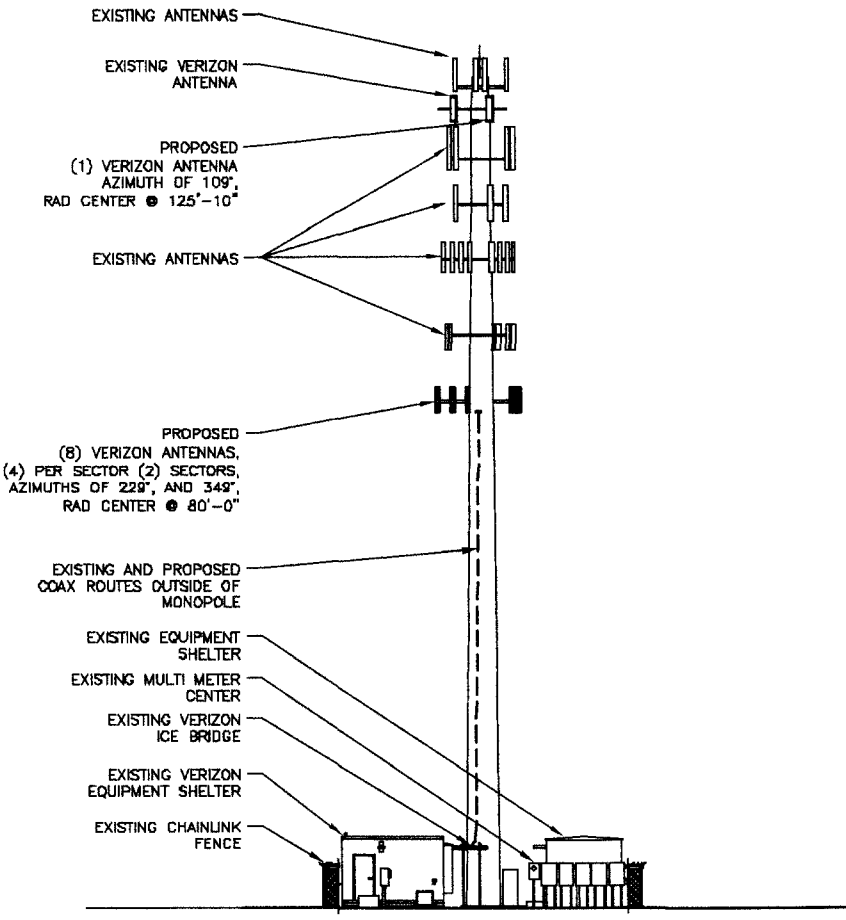
PROPOSED ANTENNA PLAN

ENGINEER: DOK	BY: SMT	DATE: 09.09.03
TITLE: CONSTRUCTION DRAWINGS		
SITE: C03 FORSIGHT PARK		
SHT: 1 of 2		SCALE: 1/8"=1' REVISION: 6

DRAWN BY: SCP	CHECKED BY: SCP
JOB NAME: FORSIGHT PARK	PROPOSED ANTENNA PLAN
SCALE: 1/8" = 1'-0"	DATE: 08/25/06
DATE: 08/25/06	JOB NUMBER: 128064-069
SHEET: PLAN 1 OF 2	



EXISTING ANTENNAS EAST ELEVATION



PROPOSED ANTENNAS EAST ELEVATION

ENGINEER: DOK			--- KDC Architects - Engineers, P.C. - - - 7442 South Tucson Way Suite 180 ■■■ Englewood, Colorado 80112 ■■■ MAIN: 303.750.6999 ■■■ FAX: 303.750.0236	DRAWN BY: SCP JOB NAME: FORSIGHT PARK SCALE: 1" = 20'-0" DATE: 08/25/06 JOB NUMBER: 128064.069	CHECKED BY: SCP PROPOSED ANTENNA ELEVATION SHEET: ELEVATION 2 OF 2
VERIZON FILE:	TITLE: CONSTRUCTION DRAWINGS	BY: SMT DATE: 08.09.03	SCALE: 1"=20'-0"	REVISION: 6	
	SITE: CO3 FORSIGHT PARK	SHT: 1 of 2			