

REYES ROAD 30100 AGOURA ROAD AGOURA HILLS, CA 91301



DRIVING DIRECTIONS

STARTING FROM VERIZON WIRELESS IRVINE OFFICE:

TAKE 1-405 NORTH.
MERGE ONTO US-101 NORTH TOWARD VENTURA.
TAKE THE REYES ADDBE ROAD EXIT.
TURN LEFT ONTO REYES ADDBE ROAD.
TURN LEFT ONTO AGOURA ROAD. END AT 30100 AGOURA ROAD.

GENERAL CONTRACTOR NOTES

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

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES, NOTHING, IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LOCAL CODES.

PROJECT TEAM

ARCHITECT

FULSANG ARCHITECTURE INC. 3400 VIA OPORTO SUITE 204 NEWPORT BEACH, CA 92663 CONTACT: ERIC FULSANG PHONE: (949) 838-4139

SURVEYOR

BERT HAZE & ASSOCIATES 3188 AIRWAY AVE #K1 COSTA MESA, CA 92626 CONTACT: BERT HAZE PHONE: (714) 557-1567

PROJECT REPRESENTATIVE

CORE COMMUNICATIONS 2923-A SATURN STREET BREA, CA 92821 CONTACT: CHRISTIE HOM PHONE: (714) 729-8404

PROJECT INFORMATION

PROJECT DESCRIPTION

CONSTRUCTION OF AN UNMANNED WIRELESS CELL SITE FOR

PROJECT CONSISTS OF (4) EQUIPMENT CABINETS W/ (3) GPS ANTENNAS, (1) TRANSFORMER MOUNTED ON STEEL

MOUNTED ON (E) BUILDING AND CONNECTIONS AS REQUIRED FOR POWER AND TELCO SERVICES.

PLATFORM ON ROOFTOP, (12) PANEL ANTENNAS FLUSH

APPLICANT/LESSEE

VERIZON WIRELESS 15505 SAND CANYON AVE. BUILDING 'D' 1st FLOOR IRVINE, CA 92618 24 HR EMERGENCY CONTACT PHONE: (800) 264-6620

PROPERTY OWNER

PROPERTY OWNER! CONTACT PERSON: CONTACT NUMBER: PROPERTY OWNER ADDRESS:

RBD AGOURA HILLS, LLC. MATT HUSS (818) 665-4242 1755 D LYNNFIELD ROAD MEMPHIS, TN 38119

PROPERTY INFORMATION

ALPHA SECTOR LATITUDE ALPHA SECTOR LONGITUDE BETA & GAMMA SECTOR LATITUDE

BETA & GAMMA SECTOR LONGITUDE ELEVATION: JURISDICTION:

CURRENT ZONING: OCCUPANCY TYPE: TYPE OF CONSTRUCTION:

HANDICAP REQUIREMENTS:

118'46'45.12" W 968 FEET A.M.S.L. CITY OF AGOURA HILLS BP (BUSINESS PARK)

34'08'39.23" N

118'46'42.60" W

34'08'39.49' N

B/U

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED. 2007 CBC SECTION 1103B EXCEPTION 1

SHEET INDEX

DESCRIPTION TITLE SHEET TOPOGRAPHIC SURVEY LS-2 TOPOGRAPHIC SURVEY

OVERALL SITE PLAN ENLARGED SITE PLAN

A-3 EQUIPENT LAYOUT & ANTENNA LAYOUT ELEVATIONS

ELEVATIONS

COAX/ANTENNA SCHEDULE

ANTENNA SECTOR	AZIMUTH	ANTENNA MAKE/MODEL	COAX LENGTH	CABLE
ALPHA	87*	TBD	100'	7/8"
BETA	267*	TBD	140'	1 - 5/8
GAMMA	358*	TBD	150'	1-5/8
MW	N/A	TBD	110'	
GPS	N/A	TBD	20'	1/2"

NOTE: CONSTRUCTION MANAGER TO FIELD VERIFY CABLE LENGTHS PRIOR TO ORDERING, FABRICATION, OR INSTALLATION OF CABLES, CHECK RF DATA SHEET.

APPROVAL

LANDLORD:	
PROJECT MANAGER:	
CONSTRUCTION MANAGER:	
RF ENGINEER:	
SITE ACQUISITION:	
ZONING MANAGER:	
UTILITY COORDINATOR:	
NETWORK OPERATIONS:	

verizon wireless

15505 SAND CANYON AVE. BUILDING 'D' 1st FLOOR IRVINE, CA 92618

ULSANG

RCHITECTURE

3400 VIA OPORTO, SUITE 204 NEWPORT BEACH, CA 92663 PHONE: (949) 838-4139

ISSUED FOR: ZONING REVIEW ISSUE DATE: 04/01/09 PROJECT No. FA090205

DRAWN BY: EG CHECKED BY: EF SUBMITTALS

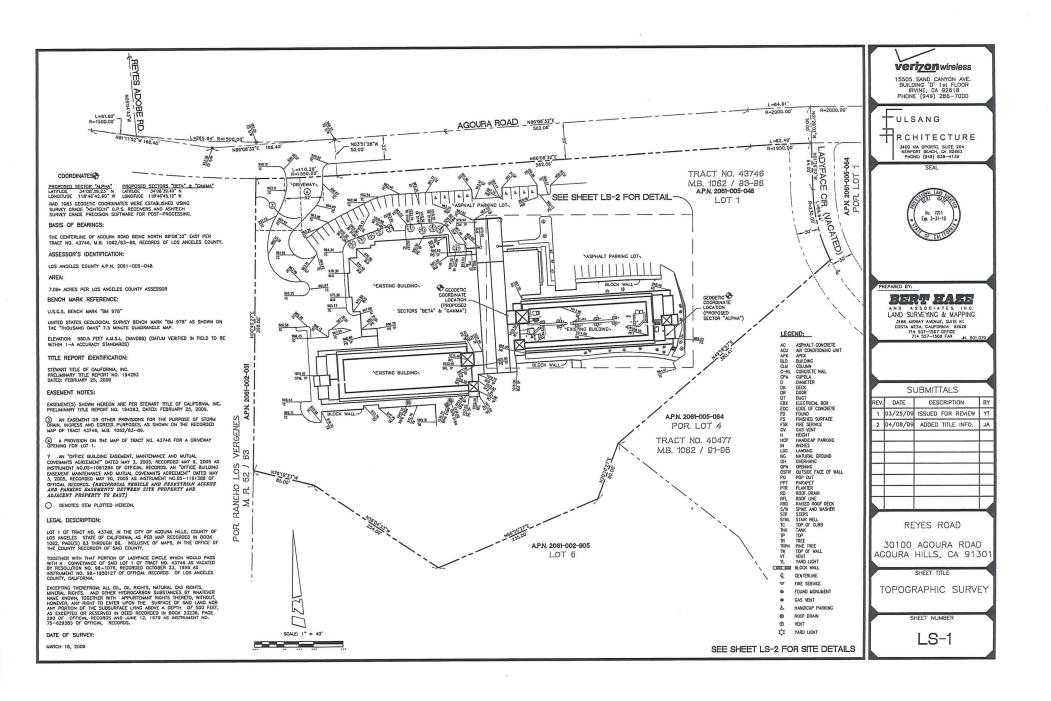
REV.	DATE	DESCRIPTION	В
	03/19/09	REVIEW	E
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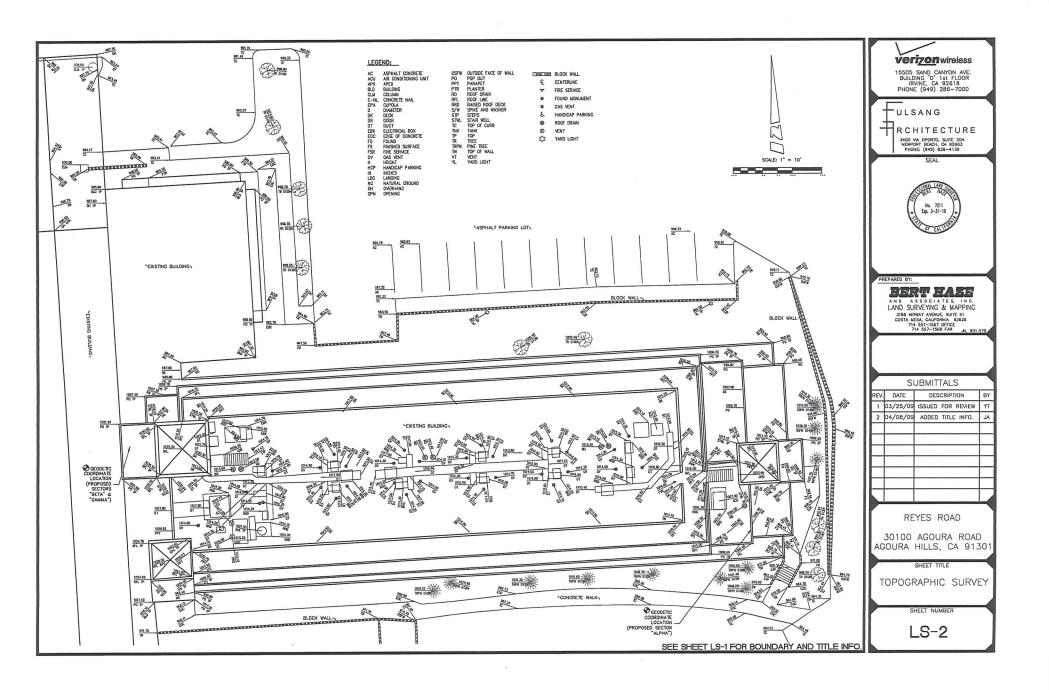
REYES ROAD 30100 AGOURA ROAD AGOURA HILLS, CA 91301

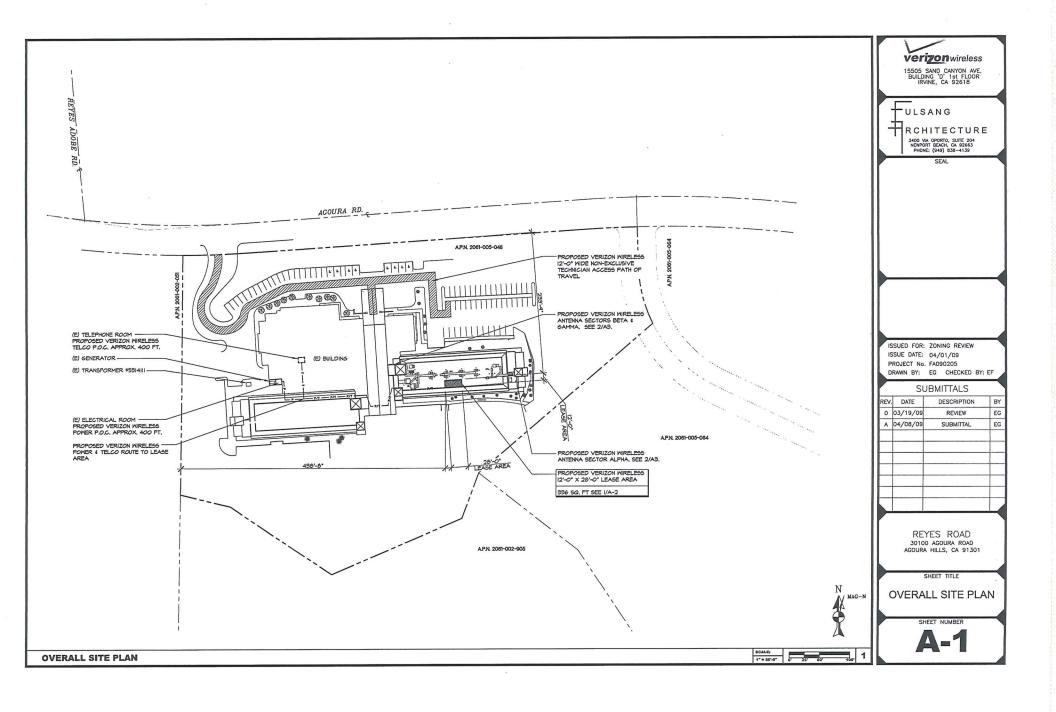
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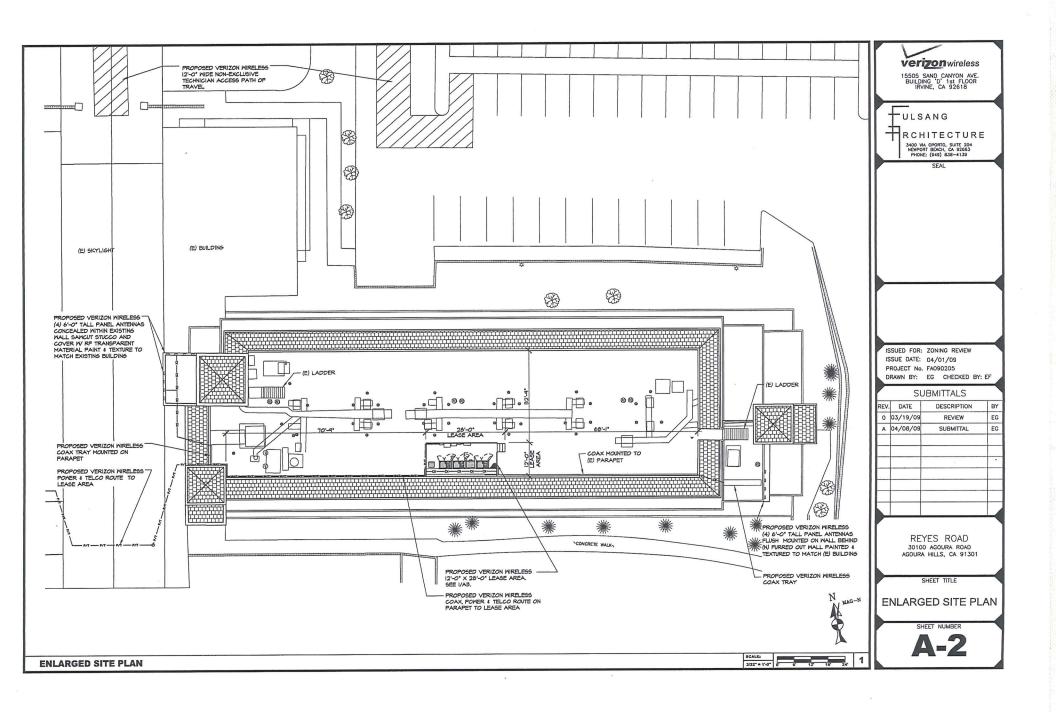
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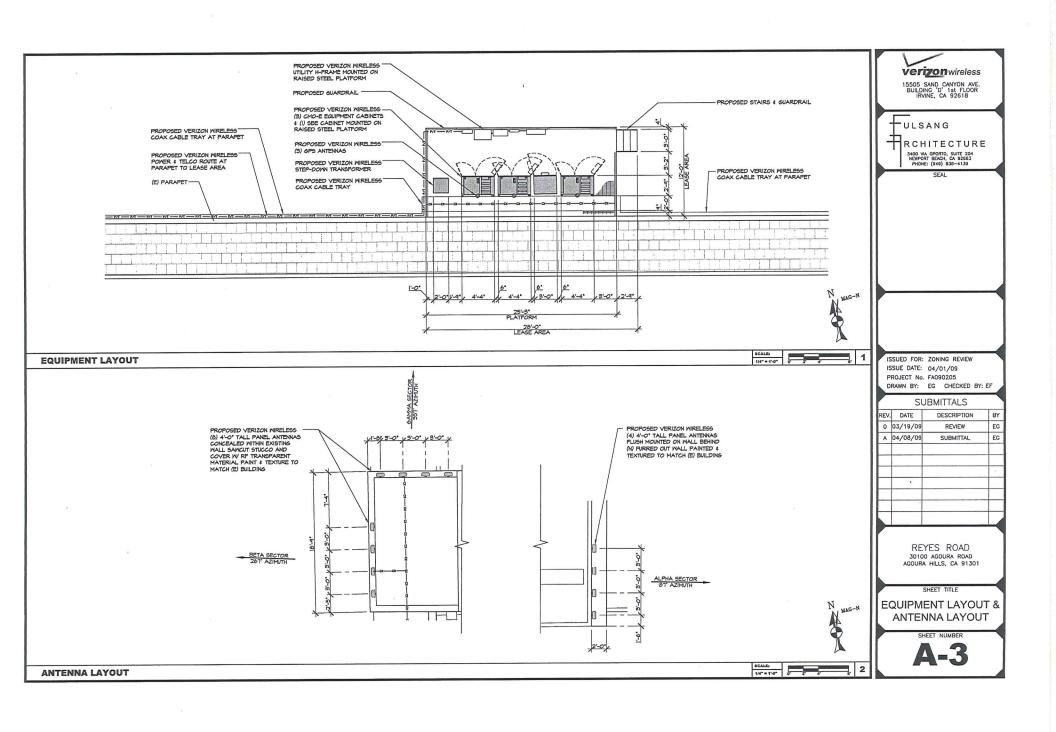
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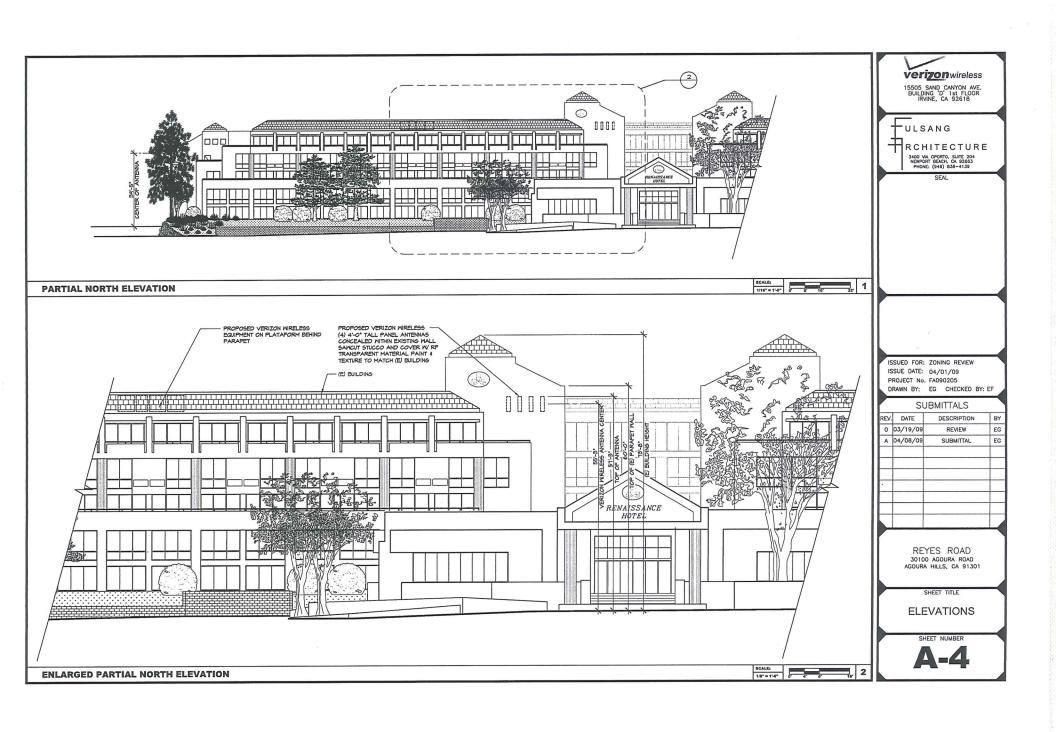


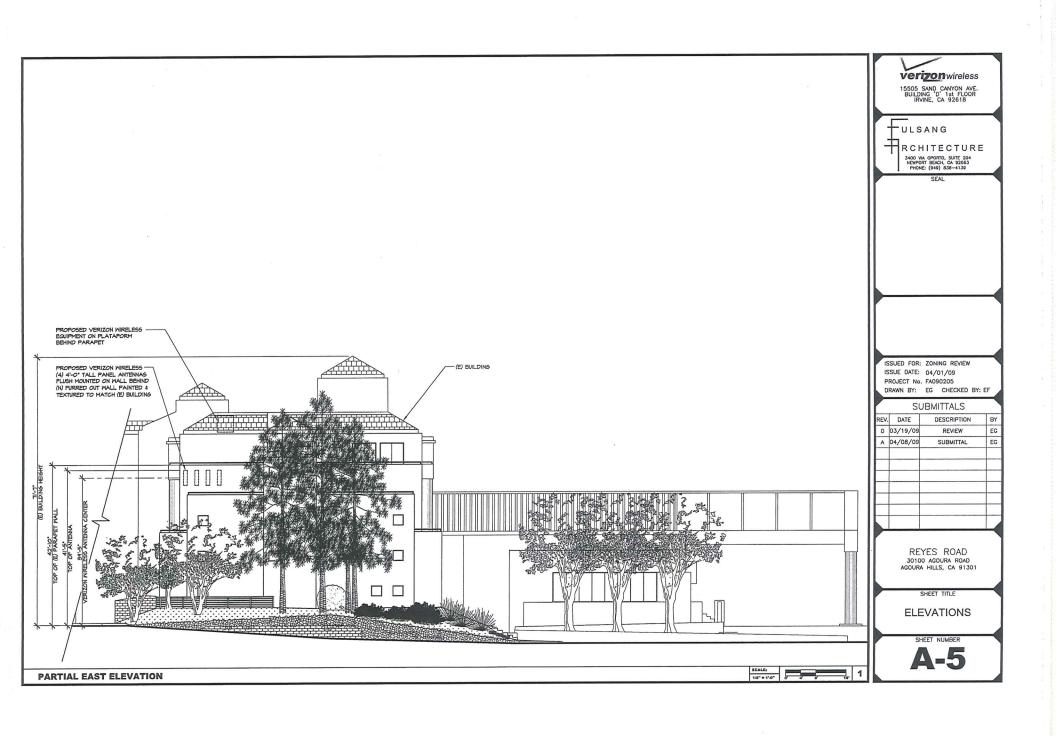












F-BXA-185063/8 M

Mechanical specifications

	Length	1327	mm	52.2	in
	Width	218	mm	8.6	in
	Depth	156	mm	6.1	in
3)	Weight	10.3	kg	22.7	lbs
	Wind Area				
	Fore/Aft	0.277	m ²	2.98	
	Side	0.179	m ²	1.93	ft ²
	Rated Wind Ve	elocity (Safety	factor 2	2.0)	

>532 km/hr >331 mph

Wind load @ 100 mph (161 km/hr)

Fore/Aft 338 N 76.0 lbs 190 N 43.0 lbs Side

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

Mounting & Downtilting:

Mounting brackets attach to a pipe diameter of Ø50-102 mm (2.0-4.0 in).

> Mounting bracket & Downtilt bracket kit #21699999

Electrical specifications

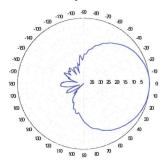
	occurrent opening	
	Frequency Range	1850-1990 MHz
	Impedance	50Ω
	Connectors/Type/Position	2/E-DIN/Bottom
1)	VSWR	≤1.4:1
	Polarization	Slant +/- 45°
	Isolation between ports	≤ -25 dB
1)	Gain	18.5 dBi
2)	Power Rating	250 W
1)	Half Power Angle	
	H-Plane	63°
	E-Plane	7°
1)	Electrical Downtilt	Variable 0°-10°
	Degree Increments	0.5°
1)	Null Fill	5%
	Lightning Protection	Direct Ground

Patented Dipole Design: U.S. Patent No. 6,597324 B2

- 1) Typical values.
- 2) Power Rating limited by connector only.
- 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.

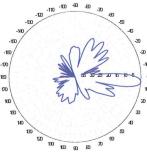
Radiation-pattern¹⁾



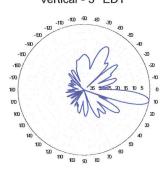
Horizontal



Vertical - 0° EDT



Vertical - 5° EDT



Vertical - 10° EDT

Adjust the antenna's electrical downtilt manually using the knob and degree indi-





Antenna manufactured with 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.

This Amphenol Antel antenna is under a one-year limited warranty for repair or replacement.

1850-1990 MHz



FlexTilt Series: Adjustable Electrical Downtilt Slant +/- 45° Dual-Polarized, Panel 63° / 18.5 dBi

F-BXA-185063/8 M

Ordering Requirements for Manual Adjustable Electrical Downtilt Operation

Item/Description:

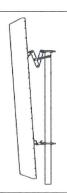
Model/Part Number:

FlexTilt Antenna with Manual Adjustable Electrical Downtilt Adjust the electrical downtilt of the antenna manually using the knob and degree indicator.



F-BXA-185063/8 M

Mounting Bracket Kit
Order one kit per antenna.



21699999

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

1850-1990 MHz



F-BXA-80063/4 M

Mechanical specifications

	Length	1205	mm	47.4	in
	Width	310	mm	12.2	in
	Depth Depth with Z-brackets		mm mm	6.2 7.8	
3)	Weight	11.3	kg	25	lbs
	Wind Area				
	Fore/Aft	0.359	m ²	3.86	ft ²
	Side	0.184		1.98	ft ²
	Rated Wind Velocity (S	Safety 1	factor 2.	0)	
		483	km/hr	300	mph

Side 267 N 60.1 lbs

Antenna consisting of aluminum alloy with brass

feedlines covered by a UV safe fiberglass radome.

512 N

115.1 lbs

Mounting & Downtilting:

Fore/Aft

Mounting brackets attach to a pipe diameter of Ø50-160 mm (2.0-6.3 in).

Mounting bracket kit #36210002

Downtilt bracket kit #36114003

Wind load @ 100 mph (161 km/hr)

Electrical specifications

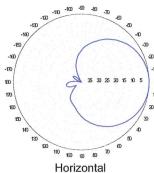
	Frequency Range	806-960 MHz
	Impedance	50Ω
	Connectors/Type/Position	2/E-DIN/Bottom
1)	VSWR	≤1.4:1
	Polarization	Slant +/- 45°
	Isolation between ports	≤ -30 dB
1)	Gain	13 dBd
2)	Power Rating	500 W
1)	Half Power Angle	
	H-Plane	63°
	E-Plane	15°
1)	Electrical Downtilt	Variable 0°-10°
	Degree Increments	0.5°
1)	Null Fill	5%
	Lightning Protection	Direct Ground

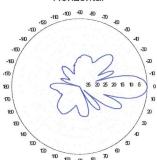
Patented Dipole Design: U.S. Patent No. 6,608,600 B2

- 1) Typical values.
- 2) Power Rating limited by connector only.
- The antenna weight listed above does not include the bracket weight.

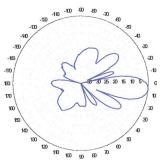
Improvements to mechanical and/or electrical performance of the antenna may be made without notice.

Radiation-pattern¹⁾

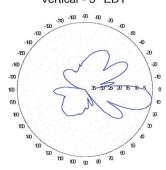




Vertical - 0° EDT

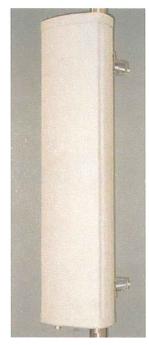


Vertical - 5° EDT



Vertical - 10° EDT

Adjust the antenna's electrical downtilt manually using the knob and degree indicator.





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- 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.

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FlexTilt Series: Adjustable Electrical Downtilt Slant +/- 45° Dual-Polarized, Panel 63° / 13 dBd

F-BXA-80063/4 M

Ordering Requirements for Manual Adjustable Electrical Downtilt Operation

Item/Description:

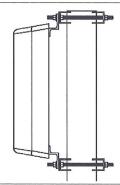
Model/Part Number:

FlexTilt Antenna with Manual Adjustable Electrical Downtilt Adjust the electrical downtilt of the antenna manually using the knob and degree indicator.



F-BXA-80063/4 M

Mounting Bracket Kit
Order one kit per antenna.



36210002

Optional Downtilt Bracket Kit Order one kit per antenna.



36114003

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

806-960 MHz



Revision Date: 5/17/07 Page 2 of 2



REYES ROAD

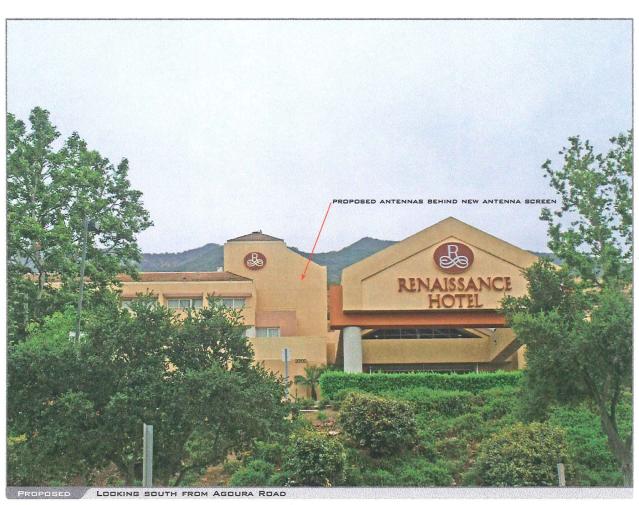
30100 AGOURA ROAD AGOURA HILLS CA 91301



VIEW 1









REYES ROAD

30100 AGOURA ROAD AGOURA HILLS CA 91301



VIEW 2





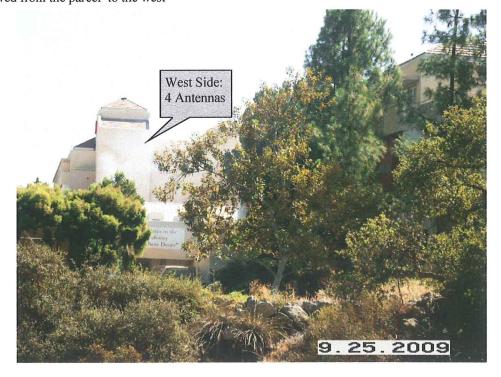


CONDITIONAL USE PERMIT— CASE NO. 09-CUP-007

As viewed from Agoura Road

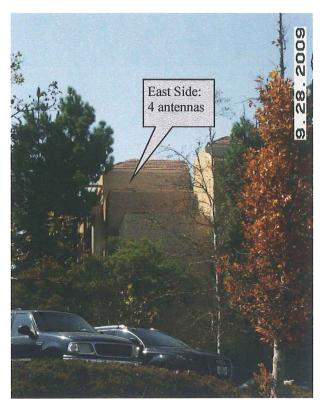


As viewed from the parcel to the west

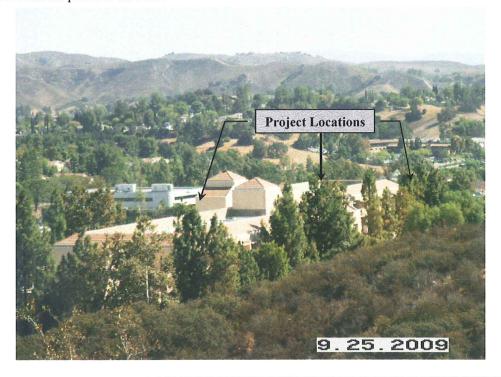


CONDITIONAL USE PERMIT— CASE NO. 09-CUP-007

As viewed from the east parking lot

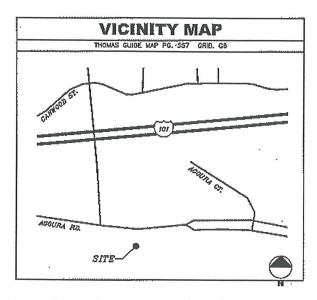


As viewed from the parcel to the south





REYES ROAD 30100 AGOURA ROAD AGOURA HILLS, CA 91301



260

DRIVING DIRECTIONS

STARTING FROM VERIZON WIRELESS IRVINE OFFICE:

TAKE I-405 NORTH.
MERGE ONTO US-101 NORTH TOWARD VENTURA.
TAKE THE REYES ADOBE ROAD EXIT.
TURN LEFT ONTO REYES ADOBE ROAD.
TURN LEFT ONTO AGOURA ROAD.
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CODE COMPLIANCE

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PROJECT TEAM

ARCHITECT

FULSANG ARCHITECTURE INC. 3400 VIA OPORTO SUITE 204 NEWPORT BEACH, CA 92863 CONTACT: ERIC FULSANG PHONE: (949) 838-4139

SURVEYOR

BERT HAZE & ASSOCIATES 3188 AIRWAY AVE #K1 COSTA MESA, CA 92626 CONTACT: BERT HAZE PHONE: (714) 557-1567

PROJECT REPRESENTATIVE

CORE COMMUNICATIONS 2923—A SATURN STREET BREA, CA 92821 CONTACT: CHRISTIE HOM PHONE: (714) 729—8404

PROJECT DESCRIPTION

CONSTRUCTION OF AN UNMANNED WIRELESS CELL SITE FOR VERIZON WIRELESS.

PROJECT CONSISTS OF (4) EQUIPMENT CABINETS W/ (3) GPS ANTENNAS, (1) TRANSFORMER MOUNTED ON STEEL PLATFORM ON ROOFTOP. (12) FANEL ANTENNAS FLUSH MOUNTED ON (E) BUILDING AND CONNECTIONS AS REQUIRED FOR POWER AND TELCO SERVICES.

PROJECT INFORMATION

APPLICANT/LESSEE

VERIZON WIRELESS 15505 SAND CANYON AVE. BUILDING 'D' 1st FLOOR IRVINE, CA 92618 24 HR EMERGENCY CONTACT PHONE: (800) 264-6620

PROPERTY OWNER

TYPE OF CONSTRUCTION:

HANDICAP REQUIREMENTS:

PROPERTY OWNER: R8D AGOURA HILLS, LLC.
CONTACT PERSON: MATT HUSS
CONTACT NUMBER: (818) 665-4242
PROPERTY OWNER ADDRESS: 1755 D LYNNFIELD ROAD MEMPHIS, TN 38119

PROPERTY INFORMATION

A.P.N.: 2061—005—048
ALPHA SECTOR LATITUDE 34*08*39.23* N
ALPHA SECTOR LONGITUDE 118*46*42.60* W
BETA & GAMMA SECTOR LATITUDE
BETA & GAMMA SECTOR 118*46*45.12* W
LONGITUDE

ELEVATION: 968 FEET A.M.S.L.

JURISDICTION: CITY OF AGOURA HILLS

CURRENT ZONING: BP (BUSINESS PARK)

OCCUPANCY TYPE: B/U

V-B

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED. 2007 CBC SECTION 1103B EXCEPTION 1

SHEET INDEX

SHEET DESCRIPTION

T-1 TITLE SHEET

LS-1 TOPOGRAPHIC SURVEY
LS-2 TOPOGRAPHIC SURVEY

A-1 OVERALL SITE PLAN
A-2 ENLARGED SITE PLAN
A-3 EQUIPENT LAYOUT & ANTENNA LAYOUT
A-4 ELEVATIONS
A-5 ELEVATIONS

COAX/ANTENNA SCHEDULE

ANTENNA SECTOR	AZIMUTH	ANTENNA MAKE/MODEL	COAX LENGTH	CABLE SIZE	
ALPHA	87'	TBD	100	7/8"	
BETA	267°	TBD	140'	1-5/8	
GAMMA	358*	TBD	150'	1-5/8"	
MW	N/A	TBD	110'		
GPS	N/A	TBD	20'	1/2"	

NOTE: CONSTRUCTION MANAGER TO FIELD VERIFY CABLE LENGTHS PRIOR TO ORDERING, FABRICATION, OR INSTALLATION OF CABLES, CHECK RF DATA SHEET.

APPROVAL

3.42	H HAND IN A TARRE
LANDLORD:	
PROJECT MANAGER:	
CONSTRUCTION MANAGER:	
RF ENGINEER:	3
SITE ACQUISITION:	
ZONING MANAGER:	
UTILITY COORDINATOR:	
NETWORK OPERATIONS	

verizonwireless

15505 SAND CANYON AVE. BUILDING 'D' 1st FLOOR IRVINE, CA 92618

ULSANG

RCHITECTURE
3400 WA OPORTO, SUITE 204
NEWPORT BEACH, CA 92683

PHONE: (949) 838-4139 SEAL

OCT 2 0 2009

ISSUED FOR: ZONING REVIEW ISSUE DATE: 04/01/09 PROJECT No. FA090205

DRAWN BY: EG CHECKED BY: EF

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
σ	03/19/09	REVIEW	EG
Α	04/08/09	SUBMITTAL,	EG

REYES ROAD 30100 AGOURA ROAD AGOURA HILLS, CA 91301

SHEET TITLE

TITLE SHEET

SHEET NUMBE

T