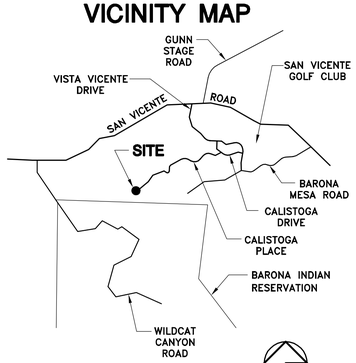
WILDCAT CANYON
23403 CALISTOGA PLACE
RAMONA, CA 92065

VICINITY MAP



THOMAS GUIDE PAGE: 1173, C5

ADDRESS:
23403 CALISTOGA PLACE
RAMONA, CA 92065

DIRECTIONS:

FROM VERIZON WIRELESS OFFICES IN IRVINE: MERGE ONTO I-5 SOUTH. TAKE EXIT 51B TO MERGE ONTO CA-78 E/VISTA WAY. CONTINUE TO FOLLOW CA-78 E. TURN RIGHT ONTO N BROADWAY/STATE ROUTE 78 E. TURN LEFT ONTO E WASHINGTON AVE. TURN RIGHT ONTO N ASH ST. CONTINUE ONTO CA-78 E/SAN PASQUAL VALLEY RD. CONTINUE TO FOLLOW CA-78 E. CONTINUE ONTO 10TH ST. CONTINUE ONTO SAN VICENTE RD. TURN RIGHT ONTO VINCENT VICENTE DR. TURN RIGHT ONTO CALISTOGA DR. TAKE THE 1ST RIGHT ONTO CALISTOGA PLACE. DESTINATION WILL BE ON THE LEFT.

FCC COMPLIANCE STATEMENT

THE WIRELESS COMMUNICATION FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES.

ENERGY NOTE:

0% FROM ON-SITE RENEWABLE POWER SOURCE

CONSULTANT TEAM

ARCHITECT:

BOOTH & SUAREZ ARCHITECTURE, INC.
325 CARLSBAD VILLAGE DRIVE, SUITE D2
CARLSBAD, CA 92008
(760) 434-8474
(760) 434-8596 (FAX)

SURVEYOR:

JRN CIVIL ENGINEERS
232 AVENIDA FABRICANTE, SUITE 107
SAN CLEMENTE CA 92672
(949) 248-4685

LEASING/PLANNING:

FMHC CORP.
3303 HARBOR BLVD. SUITE E6
COSTA MESA, CA 92626
CONTACT:
MARK LINMAN – PLANNING
(619) 997-8288

TYPE OF PERMIT REQUIRED:

- MAJOR USE PERMIT

SCALE

THE DRAWING SCALES SHOWN IN THIS SET REPRESENT THE CORRECT SCALE ONLY WHEN THESE DRAWINGS ARE PRINTED IN A 24" x 36" FORMAT. IF THIS DRAWING SET IS NOT 24" x 36", THIS SET IS NOT TO SCALE.

PROJECT SUMMARY

APPLICANT: VERIZON WIRELESS
15505 SAND CANYON AVENUE
IRVINE, CA 92618
CONTACT: MARK LINMAN
PHONE: (619) 997-8288

OWNER: SAN DIEGO COUNTRY ESTATES
9255 TOWNE CENTER DRIVE, SUITE 500
SAN DIEGO, CA 92121
CONTACT: JASON BLACK, TEEPLE HALL
PHONE: (858) 622-7878

PROJECT DESCRIPTION:

- INSTALLATION OF **VERIZON WIRELESS** TELECOMMUNICATIONS EQUIPMENT RACKS INSIDE A NEW FIBREBOND PREFABRICATED SHELTER ON A CONCRETE PAD
- INSTALLATION OF THREE (3) **VERIZON WIRELESS** ANTENNA SECTORS, OF FOUR (4) 6'-0" HIGH ANTENNAS EACH (TOTAL OF TWELVE (12) ANTENNAS) PIPE MOUNTED TO EXISTING WATER TANK
- INSTALLATION OF ONE (1) **VERIZON WIRELESS** 4'-0"ø MICROWAVE DISH ANTENNA (FOR TELCO SERVICE FEED) PIPE MOUNTED.
- INSTALLATION OF A 30kW ENCLOSED EMERGENCY GENERATOR WITH A 150 GALLON DIESEL TANK ON A CONCRETE PAD WITH A CONTAINMENT CURB
- INSTALLATION OF TWO (2) **VERIZON WIRELESS** E/911 GPS ANTENNAS
- INSTALLATION OF NEW COAXIAL CABLE IN AN UNDERGROUND CONDUIT TRENCH BETWEEN THE EXISTING WATER TANK AND THE NEW **VERIZON WIRELESS** EQUIPMENT ENCLOSURE
- INSTALLATION OF NEW 200 AMP ELECTRICAL METER PEDESTAL WITH UNDERGROUND ELECTRICAL CONDUIT FEED FROM EXISTING SDG&E PULLBOX.
- INSTALLATION OF NEW UNDERGROUND TELCO SERVICE CONNECTION FROM EXISTING TELCO HANDHOLE.
- NO LANDSCAPE OR IRRIGATION IS PLANNED FOR THIS PROJECT

PROJECT ADDRESS:	23403 CALISTOGA PLACE RAMONA, CA 92065
ASSESSORS PARCEL NUMBER:	288-070-18
EXISTING ZONING:	RR (RESIDENTIAL)
TOTAL SITE AREA:	7,190,449 SQ. FT. = 165.07 ACRES
PROPOSED LEASE AREA:	
EQUIPMENT BUILDING:	194 SF
GENERATOR ENCLOSURE:	167 SF
PROPOSED OCCUPANCY:	U
PROPOSED TYPE OF CONSTRUCTION:	V-B

NOTE: THERE ARE TWO EXISTING TELECOMMUNICATIONS FACILITIES ON THIS SITE (T-MOBILE, AT&T)

SHEET SCHEDULE

T-1	TITLE SHEET
A-0	SITE PLAN
A-0.0	ENLARGED SITE PLAN & ENLARGED UTILITY PLAN A
A-0.1	STORM WATER MANAGEMENT PLANS
A-0.2	ANTENNA SPECIFICATIONS
A-1	ENLARGED AREA PLAN
A-1.1	EQUIPMENT SHELTER PLAN
A-2	EQUIPMENT SHELTER ELEVATIONS
A-3	EXTERIOR ELEVATIONS
A-4	EXTERIOR ELEVATIONS
C-1	TOPOGRAPHIC SURVEY
C-2	TOPOGRAPHIC SURVEY
C-3	TOPOGRAPHIC SURVEY

LEGAL DESCRIPTION

LOT 284 OF SAN DIEGO COUNTRY ESTATES IV, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 8031, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, OCTOBER 9, 1974.

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

CALIFORNIA STATE BUILDING CODE, TITLE 24, 2010 EDITION
CALIFORNIA PLUMBING CODE, 2010 EDITION
CALIFORNIA MECHANICAL CODE, 2010 EDITION
CALIFORNIA ELECTRICAL CODE, 2010 EDITION
CALIFORNIA FIRE CODE, 2010 EDITION
CALIFORNIA ENERGY CODE, 2010 EDITION

IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

ACCESSIBILITY DISCLAIMER

THIS PROJECT IS AN UNOCCUPIED WIRELESS PCS TELECOMMUNICATIONS FACILITY AND, ACCORDING TO WRITTEN INTERPRETATION FROM THE CALIFORNIA DEPARTMENT OF THE STATE ARCHITECT, IS EXEMPT FROM DISABLED ACCESS REQUIREMENTS.

BOOTH & SUAREZ
ARCHITECTURE INCORPORATED
325 CARLSBAD VILLAGE DRIVE, SUITE D2
CARLSBAD, CA 92008 (760) 434-8474

PREPARED FOR

verizon wireless

P.O. BOX 19707
IRVINE, CA 92623-9707
(949) 286-7000

APPROVALS

A&C	DATE
RE	DATE
RF	DATE
INT	DATE
EE/IN	DATE
OPS	DATE
EE/OUT	DATE

PROJECT NAME

WILDCAT CANYON

23403 CALISTOGA PLACE
RAMONA, CA 92065
SAN DIEGO COUNTY

DRAWING DATES

07/22/11	90% ZD (se)
07/22/11	1-A CERT. 90% ZD (ral)
09/13/11	100% ZD (se)
11/10/11	REVISED 100% ZD (rd)
11/28/11	REVISED 100% ZD (se)
12/12/11	REVISED 100% ZD (ral)
12/15/11	REVISED 100% ZD (ral)
01/03/12	REVISED 100% ZD (rd)
10/26/12	REVISED 100% ZD (se)
11/01/12	REVISED 100% ZD (se)
11/19/12	REVISED 100% ZD (se)
11/20/12	REVISED 100% ZD (se)
12/21/12	REVISED 100% ZD (se)
01/07/13	REVISED 100% ZD (se)
06/11/13	REVISED 100% ZD (se)

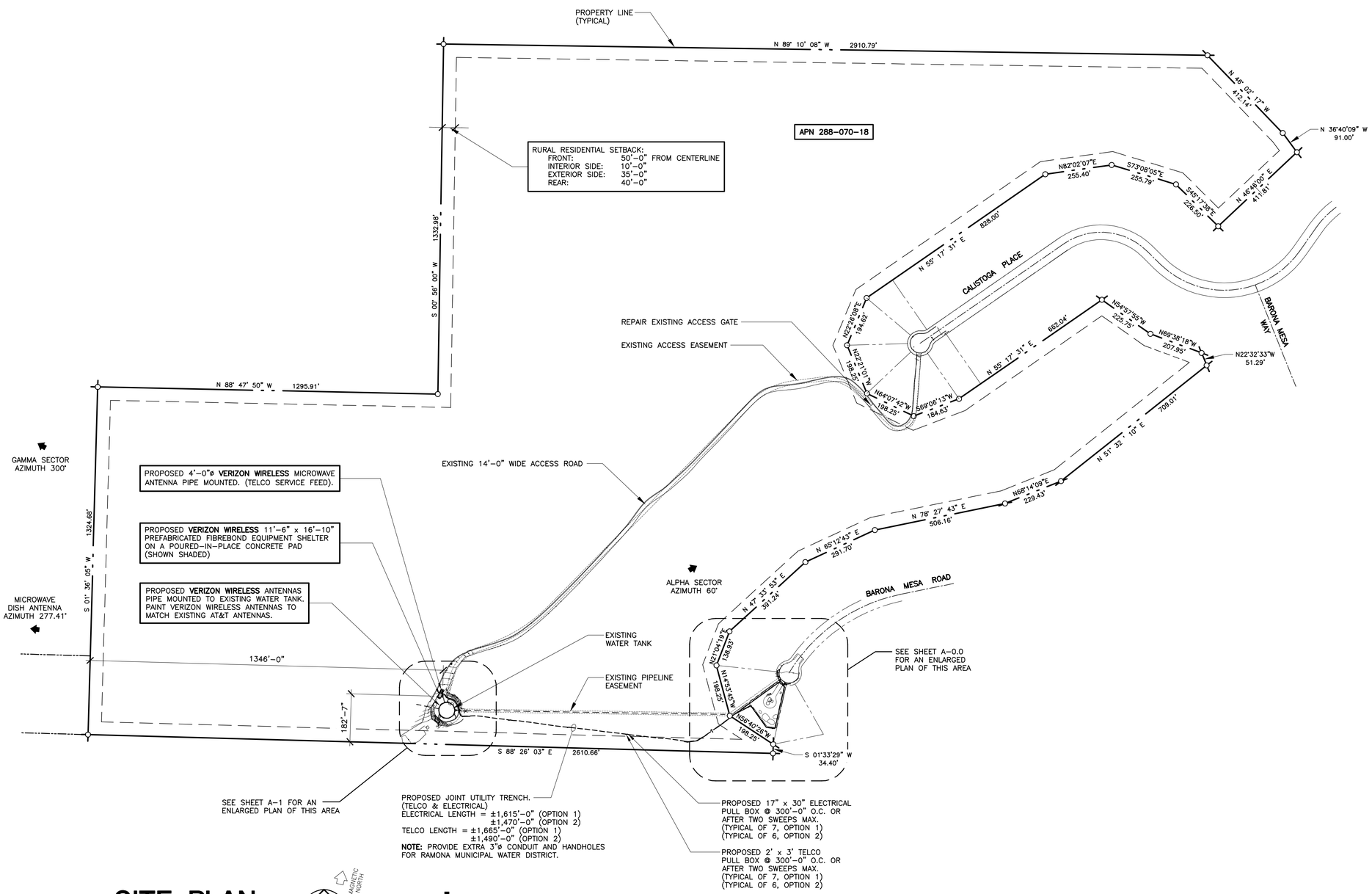
SHEET TITLE

TITLE SHEET & PROJECT DATA

PROJECTS\VERIZON\11114

T-1

SDC PDS RCVD 06-25-13
MUP12-001



SITE PLAN

SCALE: 1" = 200'-0"

NOTE:

ALL CONSTRUCTION EQUIPMENT OPERATIONS INVOLVED WITH PROJECT TRENCHING AND OCCURRING IN CLOSE PROXIMITY TO THE EXISTING RESIDENCES SHALL COMPLY WITH THE COUNTY NOISE ORDINANCE, SECTION 36.409.

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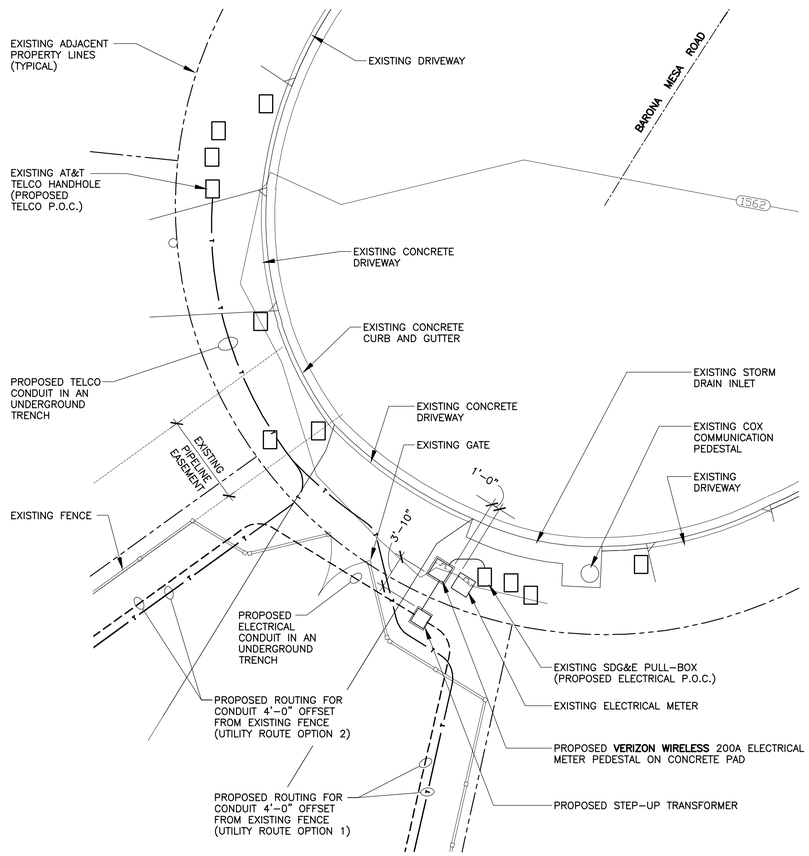
06/11/13	REVISED 100% ZD (se)

SHEET TITLE

SITE PLAN

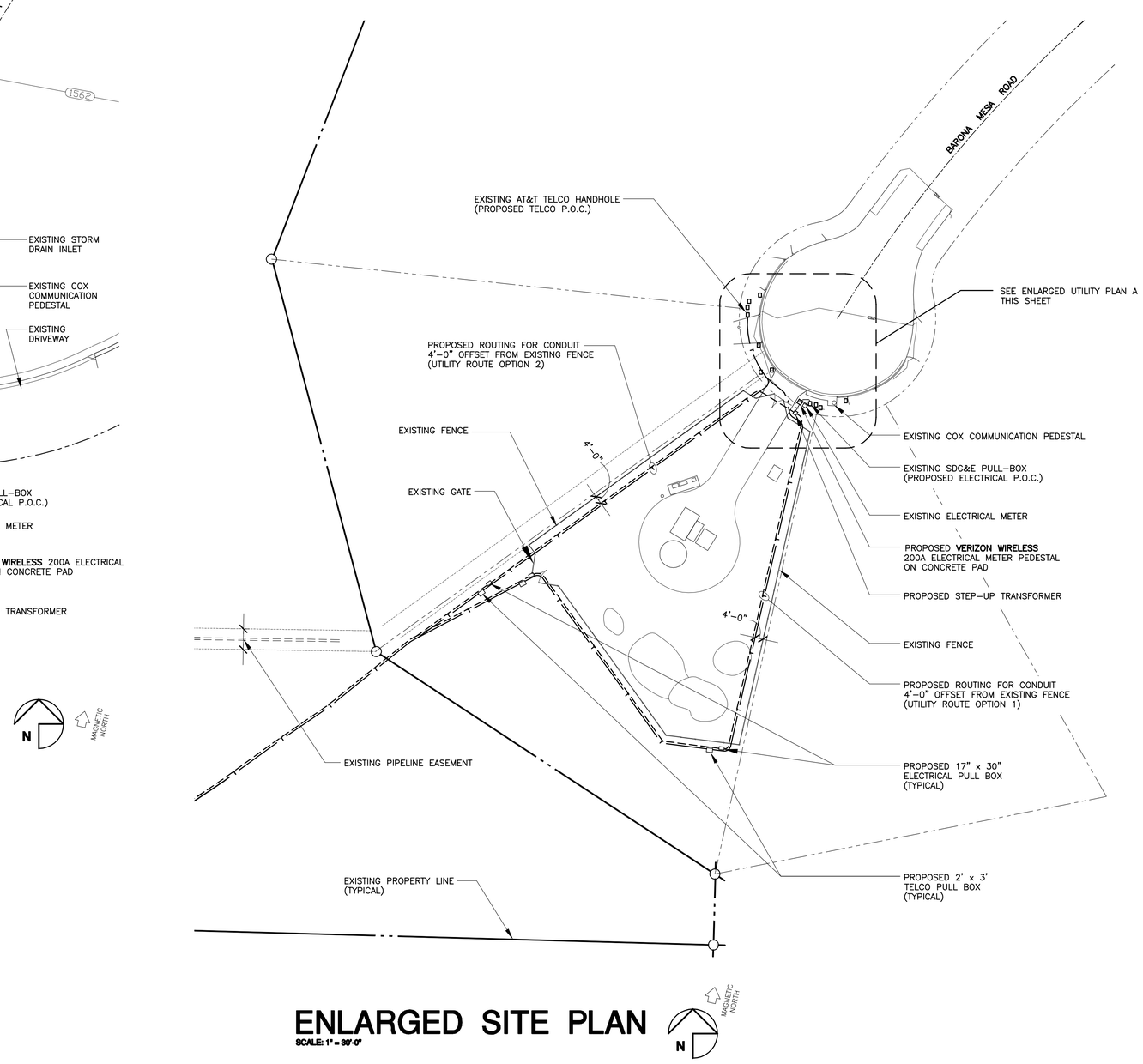
PROJECTS\VERIZON\11114

A-0



ENLARGED UTILITY PLAN A

SCALE: 1/8" = 1'-0"



ENLARGED SITE PLAN

SCALE: 1" = 30'-0"

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SAN DIEGO COUNTY

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01/07/13	REVISED 100% ZD (se)
06/11/13	REVISED 100% ZD (se)

SHEET TITLE

ENLARGED SITE PLAN & ENLARGED UTILITY PLAN A

PROJECTS\VERIZON\11114

A-0.0

BMP LEGEND

DIRECTION OF LOT DRAINAGE

TABLE I MINIMUM REQUIRED STANDARD CONSTRUCTION:

SC-6	GRAVEL BAGS
TC-1	STABILIZED CONSTRUCTION ENTRANCE
WM-1	MATERIAL DELIVERY & STORAGE
WM-8	CONCRETE WASTE MANAGEMENT
WM-5	SOLID WASTE MANAGEMENT
WM-9	SANITARY WASTE MANAGEMENT
WM-6	HAZARDOUS WASTE MANAGEMENT

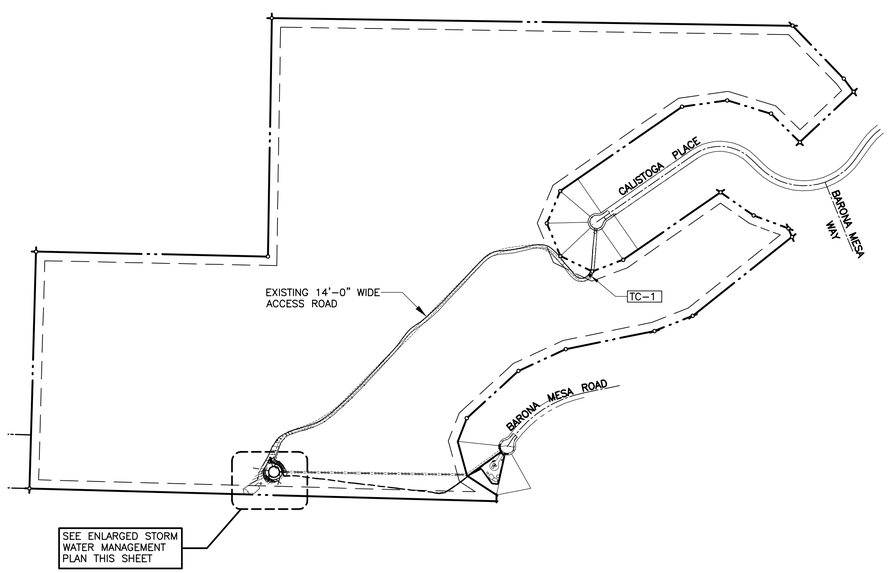
TABLE II MINIMUM REQUIRED LOW IMPACT DEVELOPMENT BMPs:

LID PLANNING PRACTICE

2.2.3	MINIMIZE IMPERVIOUS SURFACES
2.2.4	MINIMIZE SOIL COMPACTION

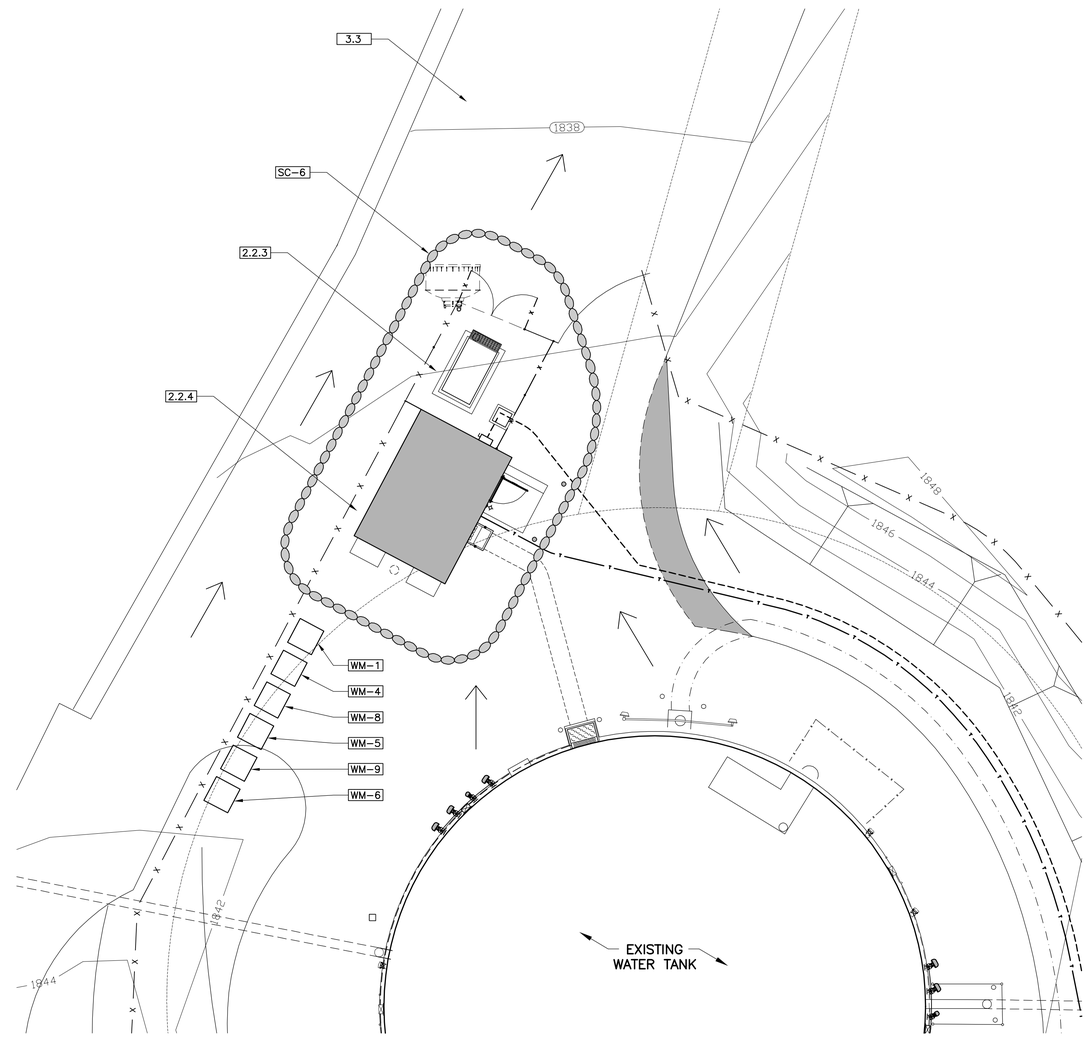
TABLE III POST-CONSTRUCTION BMPs:

SD-10	FLAT PAD AREA COVERAGE (BARK 5'-0" AROUND PERIMETER OF BUILDING)



STORM WATER MANAGEMENT PLAN

SCALE: 1" = 400'



ENLARGED STORM WATER MANAGEMENT PLAN

SCALE: 1/8" = 1'-0"

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06/11/13	REVISED 100% ZD (se)

SHEET TITLE

STORM WATER MANAGEMENT PLANS

PROJECTS\VERIZON\11114

A-0.1

PANEL ANTENNAS

696-900 MHz

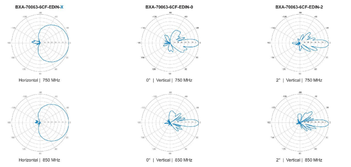
Amphenol ANTENNA SOLUTIONS

BXA-70063-6CF-EDIN-X

X-Pol | FET Panel | 63° | 14.5 dBd

Replace "X" with desired electrical downtilt.
Antenna is also available with NE connector(s). Replace "EDIN" with "NE" in the model number when ordering.

Electrical Characteristics		
Frequency bands	696-806 MHz	806-960 MHz
Polarization	±45°	
Horizontal beamwidth	65°	63°
Vertical beamwidth	13°	11°
Gain	14.0 dBd (16.1 dBi)	14.5 dBd (16.6 dBi)
Electrical downtilt (°)	0, 2, 3, 4, 6, 8, 9, 10	
Impedance	50Ω	
VSWR	≤1.30:1	
Upper sidelobe suppression (0°)	-18.3 dB	-18.2 dB
Front-to-back ratio (+/-30°)	-33.4 dB	-36.3 dB
Null fill	5% (-26.02 dB)	
Isolation between ports	< -25 dB	
Input power with EDIN connection	300 W	
Input power with NE connectors	300 W	
Lightning protection	Direct Ground	
Connector(s)	2 Ports - EDIN or NE / Female / Center (Back)	
Mechanical Characteristics		
Dimensions Length x Width x Depth	1804 x 265 x 152 mm	71.0 x 11.0 x 5.2 in
Depth with p.brackets	172 mm	6.8 in
Weight without mounting brackets	7.9 kg	17 lbs
Survival wind speed	> 201 km/hr	> 125 mph
Wind area	Front: 0.51 m^2 Side: 0.24 m^2	Front: 5.5 ft^2 Side: 2.6 ft^2
Wind load @ 161 km/hr (100 mph)	Front: 756 % Side: 361 %	Front: 169 lbf Side: 89 lbf
Mounting Options	Part Number	Fits Pipe Diameter / Weight
3-Point Mounting & Downtilt Bracket Kit	3621006	40-115 mm 1.57-4.5 in / 6.9 kg 15.2 lbs
Concealment Configurations	For concealment configurations, order BXA-70063-6CF-EDIN-X-FP	

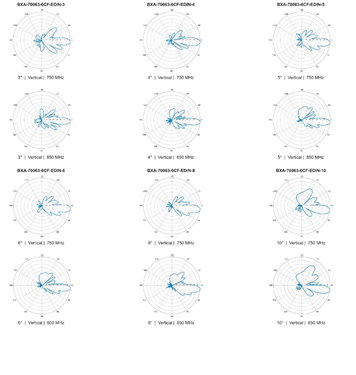


Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structure supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

696-900 MHz

Amphenol ANTENNA SOLUTIONS

BXA-70063-6CF-EDIN-X



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806-900 MHz*

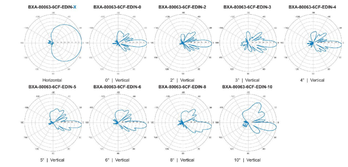
Amphenol ANTENNA SOLUTIONS

BXA-80063-6CF-EDIN-X

X-Pol | FET Panel | 63° | 14.5 dBd

Replace "X" with desired electrical downtilt.
Antenna is also available with NE connector(s). Replace "EDIN" with "NE" in the model number when ordering.

Electrical Characteristics		
Frequency bands	806-960 MHz*	
*Optional frequency band for JDEN	806-941 MHz (specify when ordering)	
Polarization	±45°	
Horizontal beamwidth	63°	
Vertical beamwidth	11°	
Gain	14.5 dBd (16.6 dBi)	
Electrical downtilt (°)	0, 2, 3, 4, 6, 8, 9, 10	
Impedance	50Ω	
VSWR	≤1.4:1	
Upper sidelobe suppression (0°)	-18.2 dB	
Front-to-back ratio (+/-30°)	-36.3 dB	
Null fill	5% (-26.02 dB)	
Isolation between ports	< -25 dB	
Input power with EDIN connectors	300 W	
Input power with NE connectors	300 W	
Lightning protection	Direct Ground	
Connector(s)	2 Ports - EDIN / Female / Center (Back)	
Mechanical Characteristics		
Dimensions Length x Width x Depth	1804 x 265 x 152 mm	71.0 x 11.0 x 5.2 in
Depth with p.brackets	172 mm	6.8 in
Weight without mounting brackets	7.9 kg	17 lbs
Survival wind speed	> 201 km/hr	> 125 mph
Wind area	Front: 0.51 m^2 Side: 0.24 m^2	Front: 5.5 ft^2 Side: 2.6 ft^2
Wind load @ 161 km/hr (100 mph)	Front: 756 % Side: 361 %	Front: 169 lbf Side: 89 lbf
Mounting Options	Part Number	Fits Pipe Diameter / Weight
3-Point Mounting & Downtilt Bracket Kit	3621006	40-115 mm 1.57-4.5 in / 6.9 kg 15.2 lbs
Concealment Configurations	For concealment configurations, order BXA-80063-6CF-EDIN-X-FP	



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1710-2170 MHz

Amphenol ANTENNA SOLUTIONS

BXA-171063-12CF-EDIN-X

X-Pol | FET Panel | 63° | 19.0 dBi

Replace "X" with desired electrical downtilt.

Electrical Characteristics			
Frequency bands	1710-2170 MHz		
	1710-1880 MHz	1850-1990 MHz	1920-2170 MHz
Polarization	±45°	±45°	±45°
Horizontal beamwidth	68°	65°	60°
Vertical beamwidth	4.9°	4.9°	4.9°
Gain	16.5 dBd / 18.2 dBi	16.5 dBd / 18.6 dBi	16.9 dBd / 19.0 dBi
Electrical downtilt (°)	0, 2, 3		
Impedance	50Ω		
VSWR	≤1.5:1		
First upper sidelobe	< -17 dB		
Front-to-back ratio	> 30 dB		
In-band isolation	> 28 dB		
IM3 (20W carrier)	< -150 dBc		
Input power	300 W		
Lightning protection	Direct Ground		
Connector(s)	2 Ports / EDIN / Female / Center (Back)		
Operating temperature	-40° to +50° C / -40° to +140° F		
Mechanical Characteristics			
Dimensions Length x Width x Depth	1840 x 154 x 105 mm		72.4 x 6.1 x 4.1 in
Depth with p.brackets	133 mm		5.2 in
Weight without mounting brackets	6.8 kg		15 lbs
Survival wind speed	> 201 km/hr		> 125 mph
Wind area	Front: 0.28 m^2 Side: 0.19 m^2	Front: 3.1 ft^2 Side: 2.1 ft^2	
Wind load @ 161 km/hr (100 mph)	Front: 495 % Side: 324 %	Front: 103 lbf Side: 68 lbf	
Mounting Options	Part Number	Fits Pipe Diameter	Weight
2-Point Mounting Bracket Kit	2670997	50-102 mm 2.0-4.0 in	2.3 kg 5 lbs
2-Point Mounting & Downtilt Bracket Kit	2670999	50-102 mm 2.0-4.0 in	3.5 kg 8 lbs
Concealment Configurations	For concealment configurations, order BXA-171063-12CF-EDIN-X-FP		

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1710-2170 MHz

Amphenol ANTENNA SOLUTIONS

BXA-171063-12CF-EDIN-X

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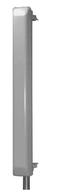
696-900 MHz

Amphenol ANTENNA SOLUTIONS

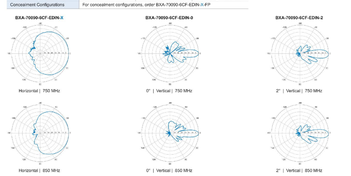
BXA-70090-6CF-EDIN-X

X-Pol | FET Panel | 90° | 12.5 dBd

Replace "X" with desired electrical downtilt.
Antenna is also available with NE connector(s). Replace "EDIN" with "NE" in the model number when ordering.



Electrical Characteristics		
Frequency bands	696-806 MHz	806-960 MHz
Polarization	±45°	
Horizontal beamwidth	92°	90°
Vertical beamwidth	12°	10°
Gain	12.0 dBd (14.1 dBi)	12.5 dBd (14.6 dBi)
Electrical downtilt (°)	0, 2, 3, 4, 6, 8, 9, 10	
Impedance	50Ω	
VSWR	≤1.35:1	
Upper sidelobe suppression (0°)	-17.7 dB	-16.9 dB
Front-to-back ratio (+/-30°)	-26.2 dB	-31.7 dB
Null fill	5% (-26.02 dB)	
Isolation between ports	< -25 dB	
Input power with EDIN connectors	300 W	
Input power with NE connectors	300 W	
Lightning protection	Direct Ground	
Connector(s)	2 Ports - EDIN or NE / Female / Center (Back)	
Mechanical Characteristics		
Dimensions Length x Width x Depth	1804 x 204 x 151 mm	71.0 x 8.0 x 5.9 in
Depth with p.brackets	191 mm	7.5 in
Weight without mounting brackets	8.2 kg	18 lbs
Survival wind speed	> 201 km/hr	> 125 mph
Wind area	Front: 0.37 m^2 Side: 0.27 m^2	Front: 3.9 ft^2 Side: 2.9 ft^2
Wind load @ 161 km/hr (100 mph)	Front: 505 % Side: 464 %	Front: 127 lbf Side: 101 lbf
Mounting Options	Part Number	Fits Pipe Diameter / Weight
3-Point Mounting & Downtilt Bracket Kit	3621006	40-115 mm 1.57-4.5 in / 6.9 kg 15.2 lbs
Concealment Configurations	For concealment configurations, order BXA-70090-6CF-EDIN-X-FP	

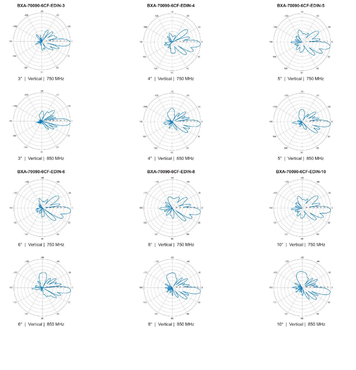


Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structure supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

696-900 MHz

Amphenol ANTENNA SOLUTIONS

BXA-70090-6CF-EDIN-X



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806-900 MHz*

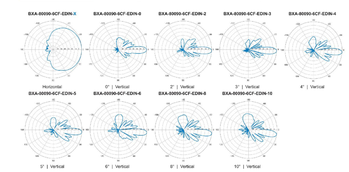
Amphenol ANTENNA SOLUTIONS

BXA-80090-6CF-EDIN-X

X-Pol | FET Panel | 90° | 12.5 dBd

Replace "X" with desired electrical downtilt.
Antenna is also available with NE connector(s). Replace "EDIN" with "NE" in the model number when ordering.

Electrical Characteristics		
Frequency bands	806-960 MHz*	
*Optional frequency band for JDEN	806-941 MHz (specify when ordering)	
Polarization	±45°	
Horizontal beamwidth	96°	
Vertical beamwidth	10°	
Gain	12.5 dBd (14.6 dBi)	
Electrical downtilt (°)	0, 2, 3, 4, 6, 8, 9, 10	
Impedance	50Ω	
VSWR	≤1.4:1	
Upper sidelobe suppression (0°)	-16.9 dB	
Front-to-back ratio (+/-30°)	-31.7 dB	
Null fill	5% (-26.02 dB)	
Isolation between ports	< -25 dB	
Input power with EDIN connectors	300 W	
Input power with NE connectors	300 W	
Lightning protection	Direct Ground	
Connector(s)	2 Ports / EDIN or NE / Female / Center (Back)	
Mechanical Characteristics		
Dimensions Length x Width x Depth	1804 x 204 x 151 mm	71.0 x 8.0 x 5.9 in
Depth with p.brackets	191 mm	7.5 in
Weight without mounting brackets	8.2 kg	18 lbs
Survival wind speed	> 201 km/hr	> 125 mph
Wind area	Front: 0.37 m^2 Side: 0.27 m^2	Front: 3.9 ft^2 Side: 2.9 ft^2
Wind load @ 161 km/hr (100 mph)	Front: 505 % Side: 464 %	Front: 127 lbf Side: 101 lbf
Mounting Options	Part Number	Fits Pipe Diameter / Weight
3-Point Mounting & Downtilt Bracket Kit	3621006	40-115 mm 1.57-4.5 in / 6.9 kg 15.2 lbs
Concealment Configurations	For concealment configurations, order BXA-80090-6CF-EDIN-X-FP	



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MICROWAVE DISH ANTENNA

Product Specifications

ANDREW

VHLPX4-11-6GR
4 ft ValuLine® High Performance Low Profile Antenna, dual-polarized, 10.7–11.7 GHz, CPRG flange, gray antenna, gray radome

CHARACTERISTICS

General Specifications

Antenna Type	VHLPX - ValuLine® High Performance Low Profile Antenna, dual-polarized
Diameter, nominal	1.2 m | 4 ft
Antenna Input	CPRG6
Polarization	Dual
Reflector Construction	Overpress reflective
Antenna Color	Gray
Radome Color	Gray
Radome Material Description	Polymer
Flash Included	No
Packing	Standard pack

Electrical Specifications

Operating Frequency Band	10.700 – 11.700 GHz
Gain, Top Band	40.8 dBi
Gain, Mid Band	40.4 dBi
Gain, Low Band	40.0 dBi
Front-to-Back Ratio	67 dB
Cross Polarization Discrimination (XPD)	30 dB
Beamwidth, Horizontal	1.5 °
Beamwidth, Vertical	1.5 °
VSWR	1.30
Return Loss	17.7 dB
Radiation Pattern Envelope Reference (RPE)	704AA
Electrical Compliance	US FCC Part 101A | Brazil Anatel Class 2 | ETSI 302 217 Class 3

Electrical Specifications (Band 2)

Operating Frequency Band	10.700 – 11.700 GHz

Product Specifications

ANDREW

Gain, Top Band	40.8 dBi
Gain, Mid Band	40.4 dBi
Gain, Low Band	40.0 dBi
Front-to-Back Ratio	67 dB
Cross Polarization Discrimination (XPD)	30 dB
Beamwidth, Horizontal	1.5 °
Beamwidth, Vertical	1.5 °
VSWR	1.30
Return Loss	17.7 dB
Radiation Pattern Envelope Reference (RPE)	704AA

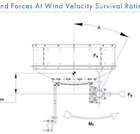
Mechanical Specifications

Wind Velocity Operational	70 mph | 113 km/h
Wind Velocity Survival Rating	155 mph | 249 km/h
Fine Azimuth Adjustment	±17°
Fine Elevation Adjustment	±15°
Mounting Pipe Diameter	115 mm | 4.5 in
Side Struts, Included	1 released
Side Struts, Optional	1 released
Net Weight	101 lb | 46 kg

Wind Forces At Wind Velocity Survival Rating

Axial Force (FA)	2 669 N | 599 lbf
Side Force (FS)	1 667 N | 375 lbf
Twisting Moment (MT)	1 570 N•m | 1 158 lbf•ft
Zig-zag Bending Moment (MZ)	2 100 N•m | 1 550 lbf•ft
Zig-zag Force (FZ)	2 669 N | 599 lbf
Zig-zag with 1/2" (12 mm) Radial Ice	10 m | 241 mm
Weight with 1/2" (12 mm) Radial Ice	256 lb | 116 kg

Wind Forces At Wind Velocity Survival Rating Image



Product Specifications

ANDREW

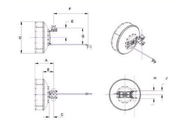
Packed Dimensions

Gross Weight, Packed Antenna	224.9 lb | 102.0 kg
Length	54.0 in | 1371.6 mm
Width	28.0 in | 711.2 mm
Height	54.0 in | 1371.6 mm
Volume	81.548 $0 m^3$

Product Specifications

ANDREW

Antenna Dimensions And Mounting Information



ANTENNA DIMENSIONS (All dimensions in mm (inches))			
A	761 (29.9)	F	1265 (49.8)
B	427 (16.8)	G	870 (34.4)
C	176 (6.9)	H	158 (6.3)
D	1391 (55.8)	J	320 (12.6)
E	582 (19.0)		

*** Footnotes**

Axial Force (FA)	Maximum forces exerted on a supporting structure as a result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the mounting plane.
Cross Polarization Discrimination (XPD)	The difference between the peak of the copolarized main beam and the maximum crosspolarized signal within the 3 dB beamwidth of the copolarized main beam.
Front-to-Back Ratio	Denotes logical radiation relative to the main beam, at 180° ± 40°, across the band. Production antennas do not exceed rated values by more than 2 dB unless stated otherwise.
Gain, Mid Band	For a given frequency band, gain is primarily a function of antenna size. The gain of Andrew antennas is determined by either gain by computation or by computer integration of the measured antenna patterns.
Operating Frequency Band	Bands correspond with ITU-R recommendations or common allocations used throughout the world. Other ranges can be accommodated on special order.

Product Specifications

ANDREW

Packing	Andrew standard packing is suitable for export. Antennas are shipped as standard in totally recyclable cardboard or wooden-wall crates (dependent on product). For your convenience, Andrew offers heavy duty export packing options.
Radiation Pattern Envelope Reference (RPE)	Radiation patterns determine an antenna's ability to discriminate against unwanted signals under conditions of radio congestion. Radiation patterns are dependent on antenna series, size, and frequency.
Return Loss	The figure that indicates the proportion of radio waves incident upon the antenna that are rejected as a ratio of those that are accepted.
Side Force (FS)	Maximum axial forces exerted on support structures by side struts as a result of a 200 km/h (125 mph) wind from the most critical direction and extreme angle permitted. The forces are a component of, not in addition to, the maximum forces specified above.
Twisting Moment (MT)	Maximum forces exerted on a supporting structure as a result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the mounting plane.
VSWR	Maximum is the guaranteed Peak Voltage Standing Wave Ratio within the operating band.
Wind Velocity Operational	The wind speed where the antenna deflection is equal to or less than 0.1 degrees.
Wind Velocity Survival Rating	Microwave antennas, including mounts and radomes, where applicable, will withstand the simultaneous wind and ice conditions as specified.

BOOTH & SUAREZ ARCHITECTURE INCORPORATED
325 CARLSBAD VILLAGE DRIVE, SUITE D2
CARLSBAD, CA 92008 (760) 434-8474

PREPARED FOR

verizon wireless

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IRVINE, CA 92623-9707
(949) 286-7000

APPROVALS

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EE/OUT	DATE

PROJECT NAME

WILDCAT CANYON

23403 CALISTOGA PLACE
RAMONA, CA 92065
SAN DIEGO COUNTY

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06/11/13	REVISED 100% ZD (se)

SHEET TITLE

ANTENNA SPECIFICATIONS

PROJECTS\VERIZON\11114

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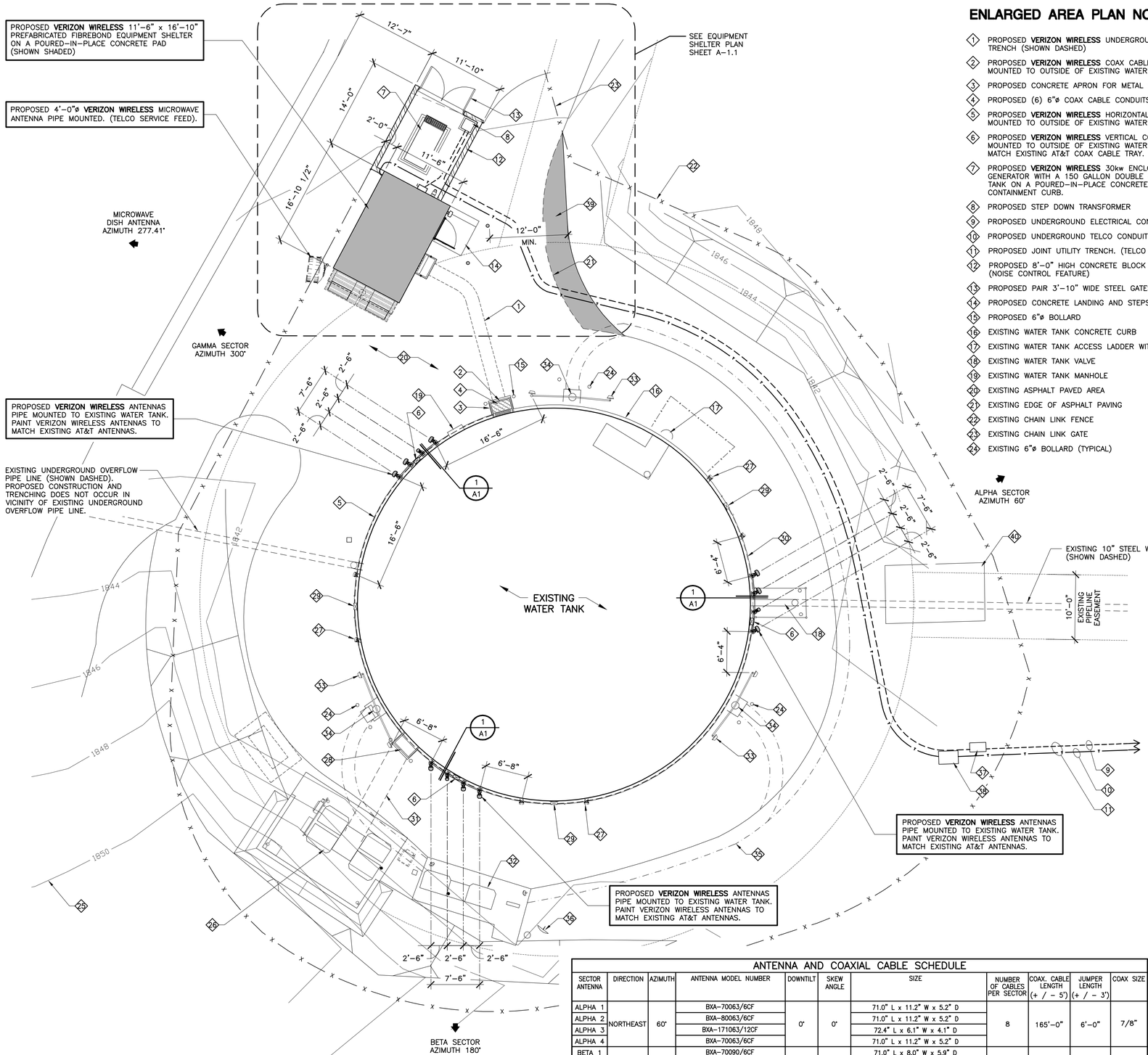


ENLARGED AREA PLAN

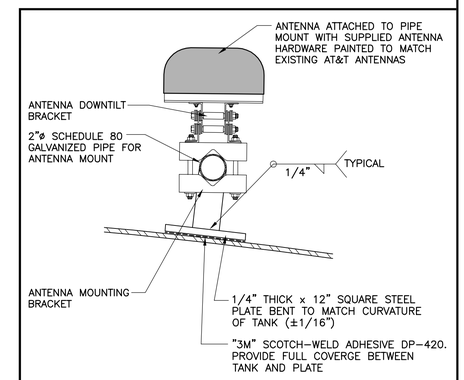
SCALE: 1/8" = 1'-0"

ENLARGED AREA PLAN NOTES:

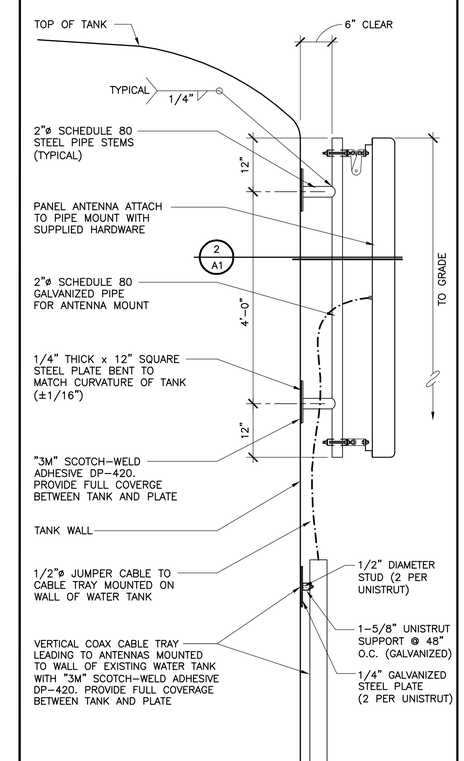
1. PROPOSED **VERIZON WIRELESS** UNDERGROUND COAXIAL CABLE TRENCH (SHOWN DASHED)
2. PROPOSED **VERIZON WIRELESS** COAX CABLE METAL SHROUD MOUNTED TO OUTSIDE OF EXISTING WATER TANK
3. PROPOSED CONCRETE APRON FOR METAL SHROUD
4. PROPOSED (6) 6"ø COAX CABLE CONDUITS
5. PROPOSED **VERIZON WIRELESS** HORIZONTAL COAX CABLE CHASE MOUNTED TO OUTSIDE OF EXISTING WATER TANK
6. PROPOSED **VERIZON WIRELESS** VERTICAL COAX CABLE CHASE MOUNTED TO OUTSIDE OF EXISTING WATER TANK. PAINT TO MATCH EXISTING AT&T COAX CABLE TRAY.
7. PROPOSED **VERIZON WIRELESS** 30kw ENCLOSED EMERGENCY GENERATOR WITH A 150 GALLON DOUBLE WALL SUBBASE FUEL TANK ON A POURED-IN-PLACE CONCRETE PAD WITH A CONTAINMENT CURB.
8. PROPOSED STEP DOWN TRANSFORMER
9. PROPOSED UNDERGROUND ELECTRICAL CONDUIT
10. PROPOSED UNDERGROUND TELCO CONDUIT
11. PROPOSED JOINT UTILITY TRENCH. (TELCO & ELECTRICAL)
12. PROPOSED 8'-0" HIGH CONCRETE BLOCK WALL (NOISE CONTROL FEATURE)
13. PROPOSED PAIR 3'-10" WIDE STEEL GATES & FRAME
14. PROPOSED CONCRETE LANDING AND STEPS
15. PROPOSED 6"ø BOLLARD
16. EXISTING WATER TANK CONCRETE CURB
17. EXISTING WATER TANK ACCESS LADDER WITH SAFETY CAGE
18. EXISTING WATER TANK VALVE
19. EXISTING WATER TANK MANHOLE
20. EXISTING ASPHALT PAVED AREA
21. EXISTING EDGE OF ASPHALT PAVING
22. EXISTING CHAIN LINK FENCE
23. EXISTING CHAIN LINK GATE
24. EXISTING 6"ø BOLLARD (TYPICAL)
25. EXISTING CONTOUR LINES @ 2'-0" INTERVALS
26. EXISTING AT&T TELECOMMUNICATION EQUIPMENT ENCLOSURE
27. EXISTING AT&T ANTENNAS
28. EXISTING AT&T CABLE SHROUD
29. EXISTING AT&T VERTICAL COAX CABLE CHASE
30. EXISTING AT&T HORIZONTAL COAX CABLE CHASE
31. EXISTING AT&T UNDERGROUND CABLE TRENCH
32. EXISTING T-MOBILE TELECOMMUNICATION EQUIPMENT
33. EXISTING T-MOBILE ANTENNAS
34. EXISTING T-MOBILE POLE & CABLE SHROUD
35. EXISTING T-MOBILE UNDERGROUND CABLE TRENCH
36. EXISTING MICROWAVE DISH ANTENNA
37. PROPOSED 17" x 30" ELECTRICAL PULL BOX
38. PROPOSED 2' x 3' TELCO PULL BOX
39. PROPOSED ASPHALT PAVING (SHOWN SHADED)
40. EXISTING VAULT BOX

ANTENNA AND COAXIAL CABLE SCHEDULE

SECTOR ANTENNA	DIRECTION	AZIMUTH	ANTENNA MODEL NUMBER	DOWNTILT	SKEW ANGLE	SIZE	NUMBER OF CABLES PER SECTOR	COAX. CABLE LENGTH (+ / − 5')	JUMPER LENGTH (+ / − 3')	COAX SIZE
ALPHA 1	NORTHEAST	60°	BXA-70063/6CF	0°	0°	71.0" L x 11.2" W x 5.2" D	8	165'-0"	6'-0"	7/8"
ALPHA 2			BXA-80063/6CF			71.0" L x 11.2" W x 5.2" D				
ALPHA 3			BXA-171063/12CF			72.4" L x 6.1" W x 4.1" D				
ALPHA 4			BXA-70063/6CF			71.0" L x 11.2" W x 5.2" D				
BETA 1	SOUTH	180°	BXA-70090/6CF	0°	0°	71.0" L x 8.0" W x 5.9" D	8	145'-0"	6'-0"	7/8"
BETA 2			BXA-80090/6CF			71.0" L x 8.0" W x 5.9" D				
BETA 3			BXA-171063/12CF			72.4" L x 6.1" W x 4.1" D				
BETA 4			BXA-70090/6CF			71.0" L x 8.0" W x 5.9" D				
GAMMA 1	NORTHWEST	300°	BXA-70063/6CF	0°	0°	71.0" L x 11.2" W x 5.2" D	8	85'-0"	6'-0"	7/8"
GAMMA 2			BXA-80063/6CF			71.0" L x 11.2" W x 5.2" D				
GAMMA 3			BXA-171063/12CF			72.4" L x 6.1" W x 4.1" D				
GAMMA 4			BXA-70063/6CF			71.0" L x 11.2" W x 5.2" D				
MICROWAVE DISH		277.41°	VHLPX4-11-6GR	–	–	4'-0"ø	1	45'-0"	–	1 1/4"



TYPICAL ANTENNA — SCALE 1-1/2"=1'-0" — 2



ANTENNA MOUNTING — SCALE: 3/4"=1'-0" — 1

BOOTH & SUAREZ ARCHITECTURE INCORPORATED
325 CARLSBAD VILLAGE DRIVE, SUITE D2
CARLSBAD, CA 92008 (760) 434-8474

PREPARED FOR

verizon wireless

P.O. BOX 19707
IRVINE, CA 92623-9707
(949) 286-7000

APPROVALS

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RAMONA, CA 92065
SAN DIEGO COUNTY

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10/26/12	REVISED 100% ZD (se)
11/01/12	REVISED 100% ZD (se)
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06/11/13	REVISED 100% ZD (se)

SHEET TITLE

ENLARGED AREA PLAN

PROJECTS\VERIZON\11114

A-1

EQUIPMENT SHELTER PLAN

SCALE: 3/8" = 1'-0"

EQUIPMENT SHELTER PLAN NOTES:

1. PROPOSED **VERIZON WIRELESS** PREFABRICATED FIBREBOND EQUIPMENT SHELTER ON A CONCRETE PAD
2. PROPOSED CONCRETE STEPS & LANDING
3. PROPOSED STEEL DOOR AND FRAME WITH **VERIZON WIRELESS** SIGNAGE
4. PROPOSED WALL MOUNTED EXTERIOR LIGHT FIXTURE PROVIDED WITH EQUIPMENT SHELTER
5. PROPOSED WALL HUNG AIR CONDITIONING UNITS PROVIDED WITH EQUIPMENT SHELTER (TYPICAL OF 2)
6. PROPOSED A/C CAGE WITH LIFT OUT PANELS (SHOWN DASHED)
7. PROPOSED DRYWELL
8. PROPOSED COAX CABLE SHROUD
9. PROPOSED (2) E911/GPS ANTENNAS MOUNTED TO COAX CABLE SHROUD
10. PROPOSED **VERIZON WIRELESS** UNDERGROUND COAXIAL CABLE TRENCH (SHOWN DASHED)
11. PROPOSED FUSED DISCONNECT MOUNTED TO PREFABRICATED EQUIPMENT SHELTER
12. PROPOSED **VERIZON WIRELESS** REVERSE GENERATOR RECEPTACLE FOR EMERGENCY GENERATOR CONNECTION MOUNTED TO PREFABRICATED EQUIPMENT SHELTER
13. PROPOSED ELECTRICAL CONDUIT IN AN UNDERGROUND UTILITY TRENCH
14. PROPOSED TELCO CONDUIT IN AN UNDERGROUND UTILITY TRENCH
15. PROPOSED UNDERGROUND JOINT UTILITY TRENCH
16. PROPOSED **VERIZON WIRELESS** 30kw ENCLOSED EMERGENCY GENERATOR WITH A 150 GALLON DOUBLE WALL SUBBASE FUEL TANK ON A POURED-IN-PLACE CONCRETE PAD WITH A CONTAINMENT CURB. "KOHLER" 30REOZJC-VER GENERATOR UNIT OR EQUIVALENT SIZED UNIT. SEE GENERATOR NOTE BELOW.
17. CONCRETE CONTAINMENT CURB
18. PROPOSED 8'-0" HIGH CONCRETE BLOCK WALL NOISE CONTROL FEATURE. SEE NOTE BELOW.
19. PROPOSED PAIR 3'-10" WIDE STEEL GATES & FRAME
20. INSTALL 3" LAYER OF 3/4" CRUSHED GRAVEL OVER FIBER GROWTH BARRIER WITHIN ENTIRE GENERATOR ENCLOSURE
21. PROPOSED STEP DOWN TRANSFORMER
22. PROPOSED 6"ø BOLLARD
23. PROPOSED ASPHALT PAVING (SHOWN SHADED)
24. EXISTING EDGE OF ASPHALT PAVING
25. EXISTING ASPHALT PAVED AREA
26. EXISTING CHAIN LINK FENCE TO BE REMOVED (SHOWN DASHED)
27. EXISTING CHAIN LINK FENCE
28. EXISTING CHAIN LINK GATE
29. EXISTING T-MOBILE UNDERGROUND CABLE TRENCH
30. EXISTING CONTOUR LINES @ 2'-0" INTERVALS
31. PROPOSED 4'-0"ø **VERIZON WIRELESS** MICROWAVE ANTENNA PIPE MOUNTED. (TELCO SERVICE FEED).

NOTE: THE BLOCK WALL ENCLOSURE IS CONSIDERED A PROJECT NOISE DESIGN FEATURE THAT REDUCES NOISE LEVELS DEMONSTRATING COMPLIANCE WITH COUNTY NOISE STANDARDS.

GENERATOR NOTE:

1. THE GENERATOR IS EXERCISED ONCE EVERY WEEK FOR 15 MINUTES AND IS SERVICED 4 TIMES A YEAR.
2. NOISE INFORMATION: SOUND PRESSURE LEVEL OF 65 dBA AT A REFERENCE DISTANCE OF 23 FEET.

MODULAR EQUIPMENT SHELTER NOTES

MODULAR EQUIPMENT SHELTER MANUFACTURED BY:

FIBREBOND CORPORATION
1300 DAVENPORT DRIVE
MINDEN, LOUISIANA 71055
(318) 377-1030/ (800) 824-2614
(318) 371-6391 (FAX)

MODULAR BUILDING WILL ARRIVE WITH A COACH TAG.

THE DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT INSIGNIA OF APPROVAL MUST BE ATTACHED TO ALL COMMERCIAL COACH UNITS AS EVIDENCE OF COMPLIANCE WITH THE APPLICABLE REGULATIONS FOR CONSTRUCTION AND INSPECTION

APPROVAL AGENCY:

PFS CORPORATION
LOS ANGELES, CALIFORNIA

PLAN APPROVAL:
DATE APPROVED:
EXPIRATION DATE:

BOOTH & SUAREZ
ARCHITECTURE INCORPORATED
325 CARLSBAD VILLAGE DRIVE, SUITE D2
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11/01/12	REVISED 100% ZD (se)
11/19/12	REVISED 100% ZD (se)
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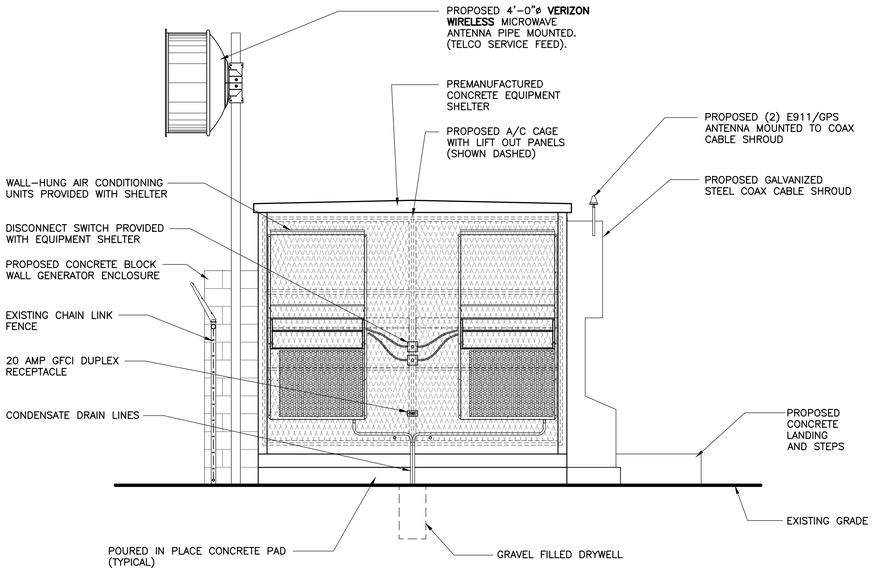
06/11/13	REVISED 100% ZD (se)

SHEET TITLE

EQUIPMENT SHELTER PLAN

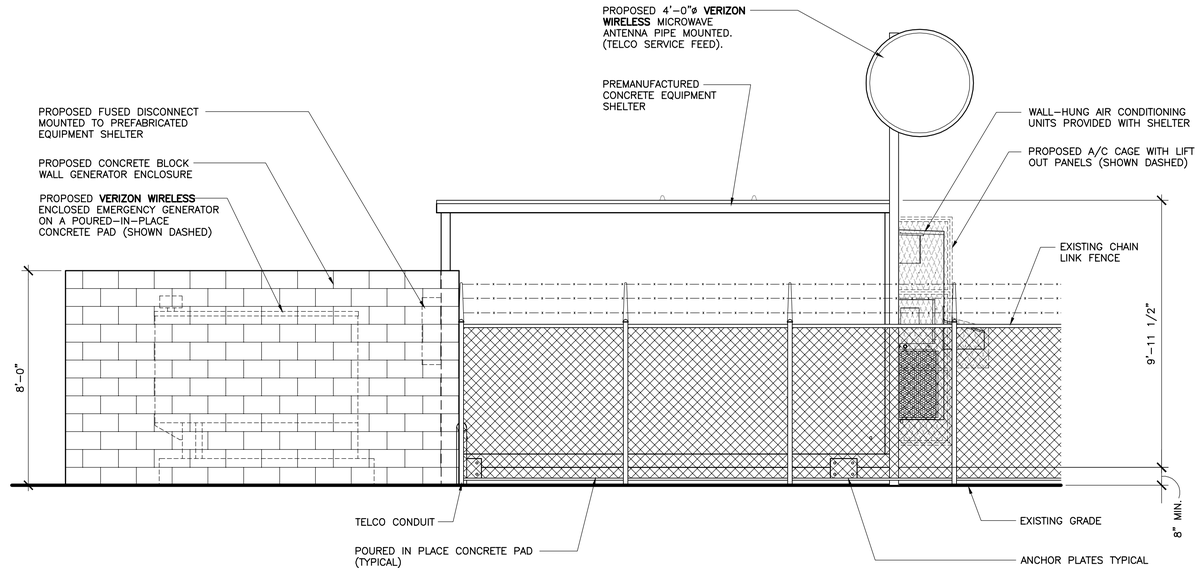
PROJECTS\VERIZON\11114

A-1.1



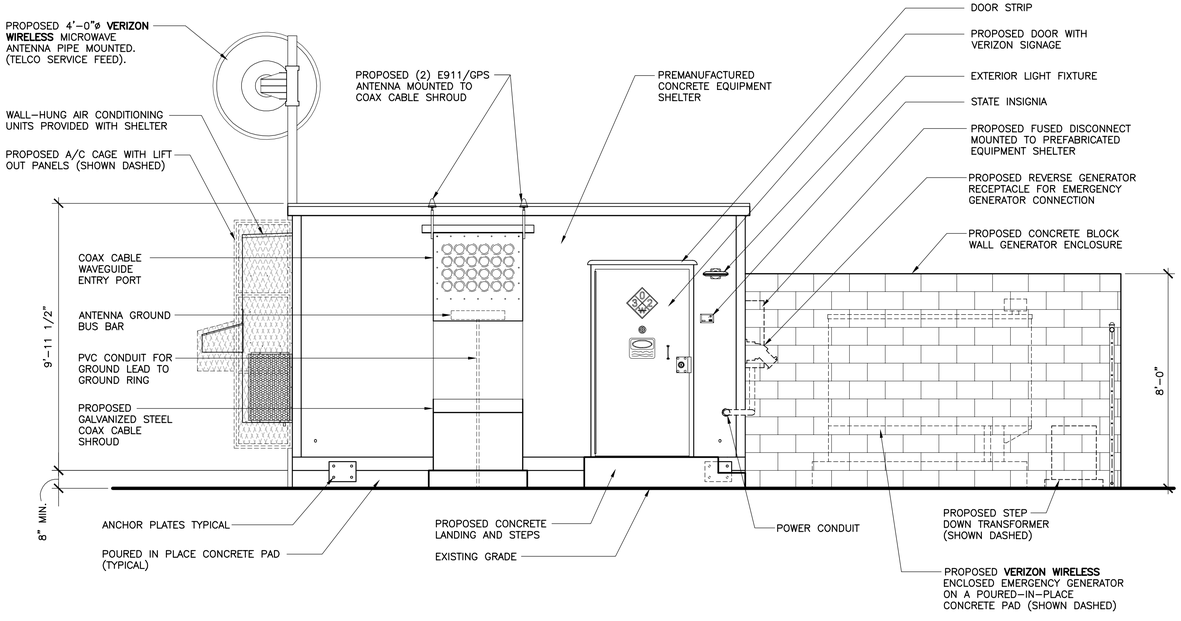
SOUTH ELEVATION

SCALE: 3/8" = 1'-0"



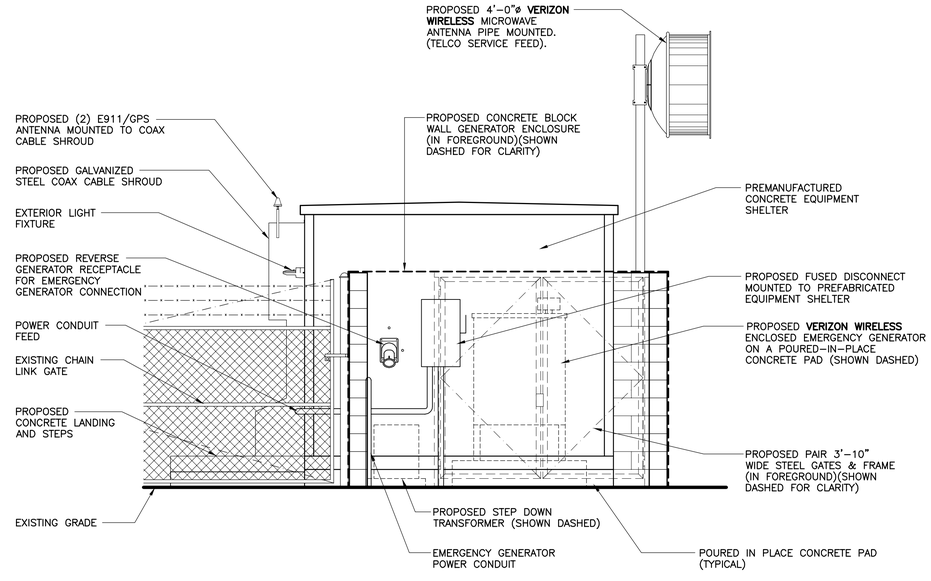
WEST ELEVATION

SCALE: 3/8" = 1'-0"



EAST ELEVATION

SCALE: 3/8" = 1'-0"



NORTH ELEVATION

SCALE: 3/8" = 1'-0"

BOOTH & SUAREZ
ARCHITECTURE INCORPORATED
325 CARLSBAD VILLAGE DRIVE, SUITE D2
CARLSBAD, CA 92008 (760) 434-8474

PREPARED FOR

verizon wireless

P.O. BOX 19707
IRVINE, CA 92623-9707
(949) 286-7000

APPROVALS

A&C	DATE
RE	DATE
RF	DATE
INT	DATE
EE/IN	DATE
OPS	DATE
EE/OUT	DATE

PROJECT NAME

WILDCAT CANYON

23403 CALISTOGA PLACE
RAMONA, CA 92065
SAN DIEGO COUNTY

DRAWING DATES

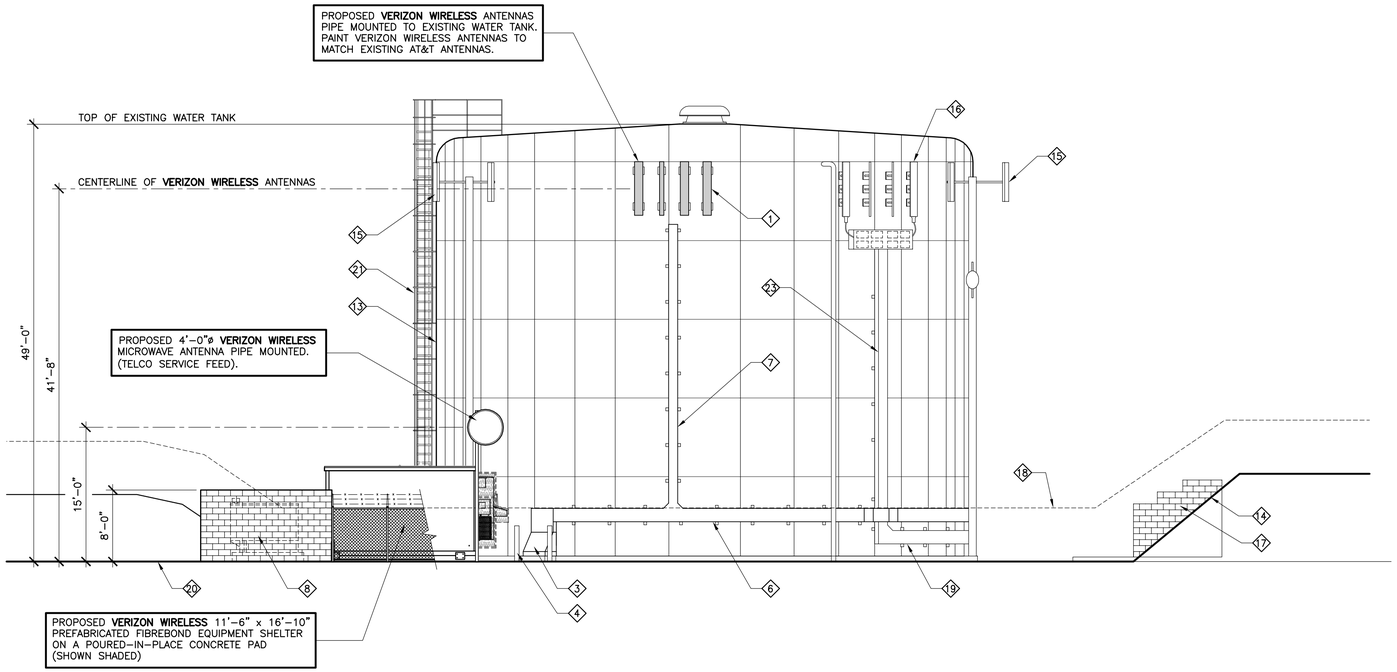
07/22/11	90% ZD (se)
07/22/11	1-A CERT. 90% ZD (ral)
09/13/11	100% ZD (se)
11/10/11	REVISED 100% ZD (rd)
11/28/11	REVISED 100% ZD (se)
12/12/11	REVISED 100% ZD (ral)
12/15/11	REVISED 100% ZD (ral)
01/03/12	REVISED 100% ZD (rd)
10/26/12	REVISED 100% ZD (se)
11/01/12	REVISED 100% ZD (se)
11/19/12	REVISED 100% ZD (se)
11/20/12	REVISED 100% ZD (se)
12/21/12	REVISED 100% ZD (se)
01/07/13	REVISED 100% ZD (se)
06/11/13	REVISED 100% ZD (se)

SHEET TITLE

EQUIPMENT SHELTER ELEVATIONS

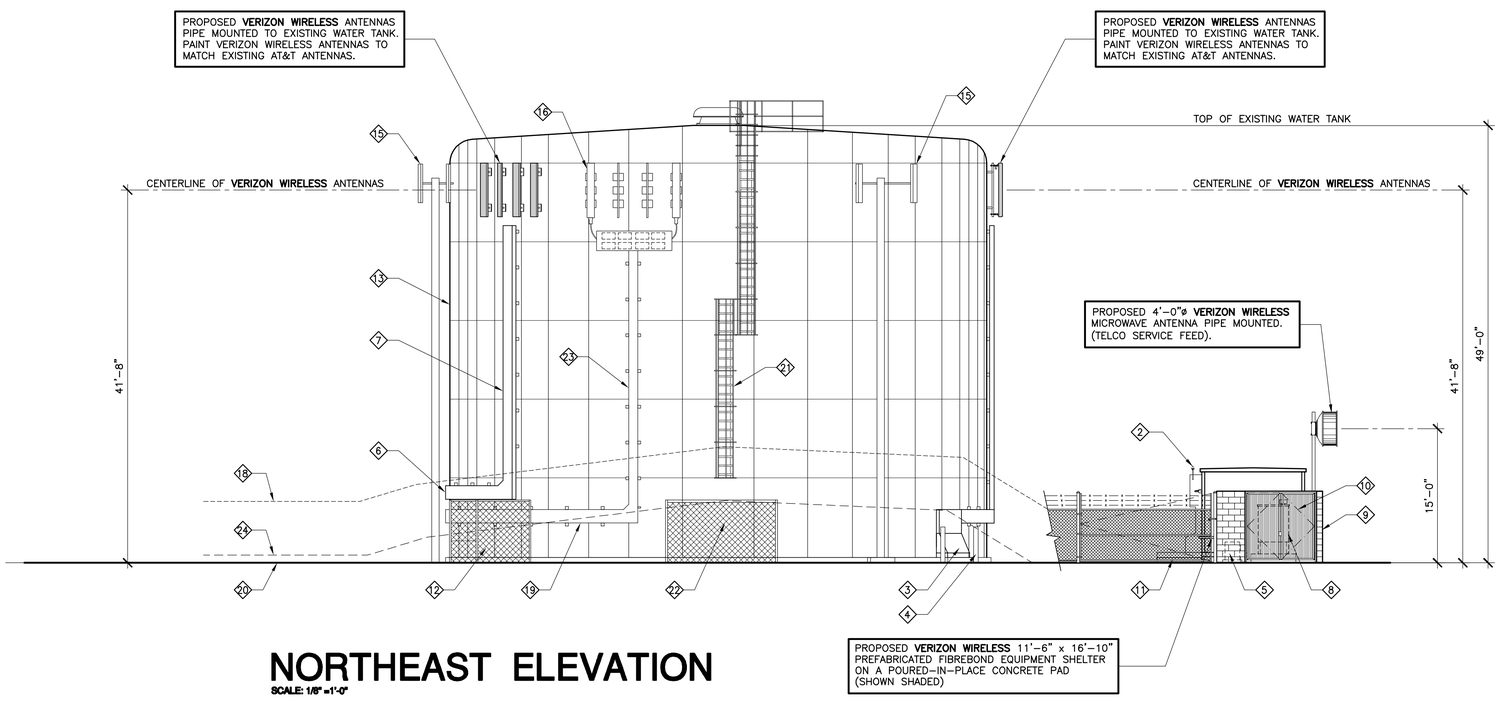
PROJECTS\VERIZON\11114

A-2



NORTHWEST ELEVATION

SCALE: 1/8" =1'-0"



NORTHEAST ELEVATION

SCALE: 1/8" =1'-0"

ELEVATION NOTES:

1. PROPOSED **VERIZON WIRELESS** ANTENNAS
2. PROPOSED (2) E911/GPS ANTENNA MOUNTED TO COAX CABLE SHROUD
3. PROPOSED **VERIZON WIRELESS** COAX CABLE METAL SHROUD MOUNTED TO OUTSIDE OF EXISTING WATER TANK
4. PROPOSED 6"ø BOLLARD
5. PROPOSED STEP DOWN TRANSFORMER (SHOWN DASHED)
6. PROPOSED **VERIZON WIRELESS** HORIZONTAL COAX CABLE CHASE MOUNTED TO OUTSIDE OF EXISTING WATER TANK
7. PROPOSED **VERIZON WIRELESS** VERTICAL COAX CABLE CHASE MOUNTED TO OUTSIDE OF EXISTING WATER TANK
8. PROPOSED **VERIZON WIRELESS** 30kw ENCLOSED EMERGENCY GENERATOR (SHOWN DASHED)
9. PROPOSED CHAIN LINK FENCE
10. PROPOSED PAIR 4'-0" WIDE CHAIN LINK GATES & FRAME
11. PROPOSED CONCRETE LANDING AND STEPS
12. EXISTING CHAINLINK FENCE AROUND EXISTING "WATER" VALVE
13. EXISTING WATER TANK
14. EXISTING SLOPED EMBANKMENT
15. EXISTING POLE MOUNTED T-MOBILE ANTENNAS TO REMAIN
16. EXISTING AT&T MOBILITY ANTENNAS PIPE MOUNTED TO EXISTING WATER TANK TO REMAIN
17. EXISTING CONCRETE BLOCK RETAINING WALL
18. EXISTING CHAINLINK FENCE IN FOREGROUND. SHOWN DASHED FOR CLARITY
19. EXISTING HORIZONTAL COAX CABLE TRAY MOUNTED AT FACE OF EXISTING WATER TANK
20. EXISTING GRADE
21. EXSTING ACCESS LADDER WITH SAFETY CAGE
22. EXISTING CHAINLINK FENCE AROUND ACCESS LADDER
23. EXISTING VERTICAL COAX CABLE TRAY MOUNTED TO WATER TANK
24. EXISTING SLOPED EMBANKMENT IN FOREGROUND (SHOWN DASHED FOR CLARITY)

COLOR SPEC:

CONCRETE BLOCK ENCLOSURE:
MANUFACTURER: "RCP CONCRETE BLOCK AND BRICK"
COLOR: LA PAZ – PRECISION CONCRETE BLOCK

GATE & FRAME: "SHERWIN-WILLIAMS" TOTALLY TAN SW6115

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PROJECT NAME

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23403 CALISTOGA PLACE
RAMONA, CA 92065
SAN DIEGO COUNTY

DRAWING DATES

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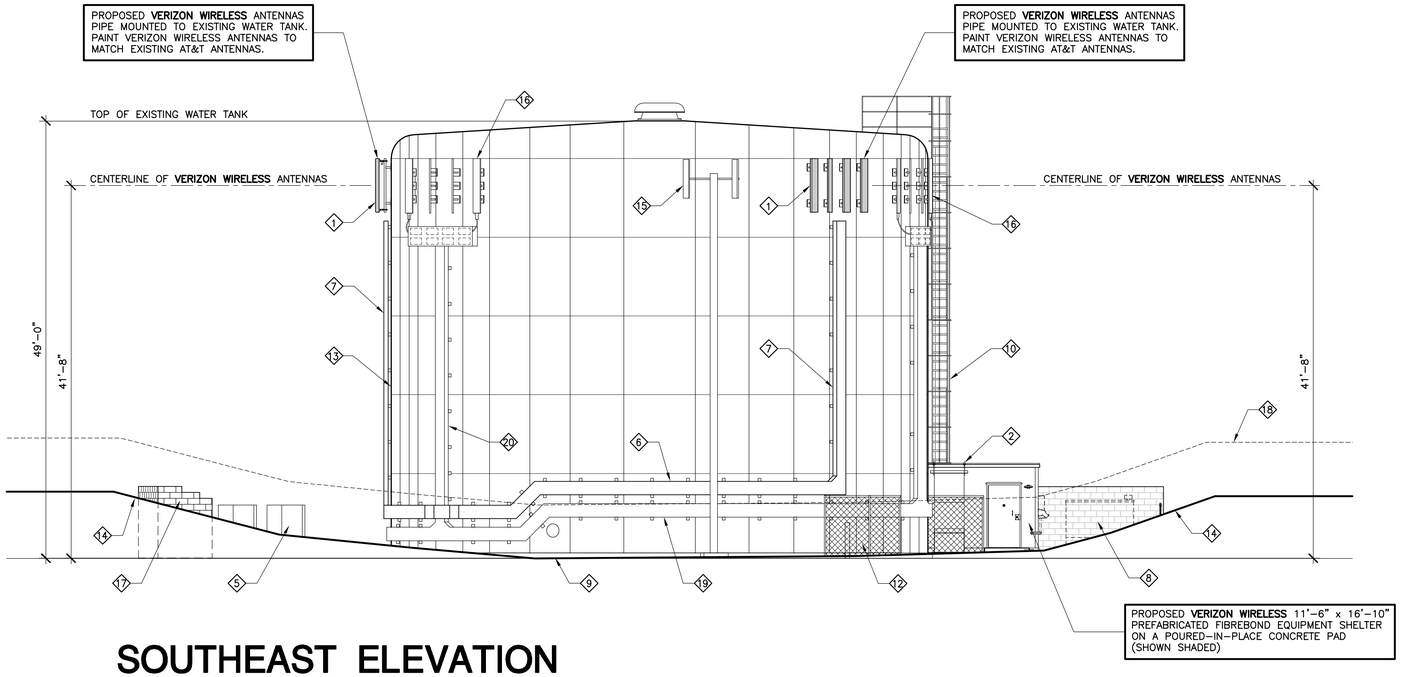
12/12/11	REVISED 100% ZD (ral)
12/15/11	REVISED 100% ZD (ral)
01/03/12	REVISED 100% ZD (rd)
10/26/12	REVISED 100% ZD (se)
11/01/12	REVISED 100% ZD (se)
11/19/12	REVISED 100% ZD (se)
11/20/12	REVISED 100% ZD (se)
12/21/12	REVISED 100% ZD (se)
01/07/13	REVISED 100% ZD (se)
06/11/13	REVISED 100% ZD (se)

SHEET TITLE

EXTERIOR ELEVATIONS

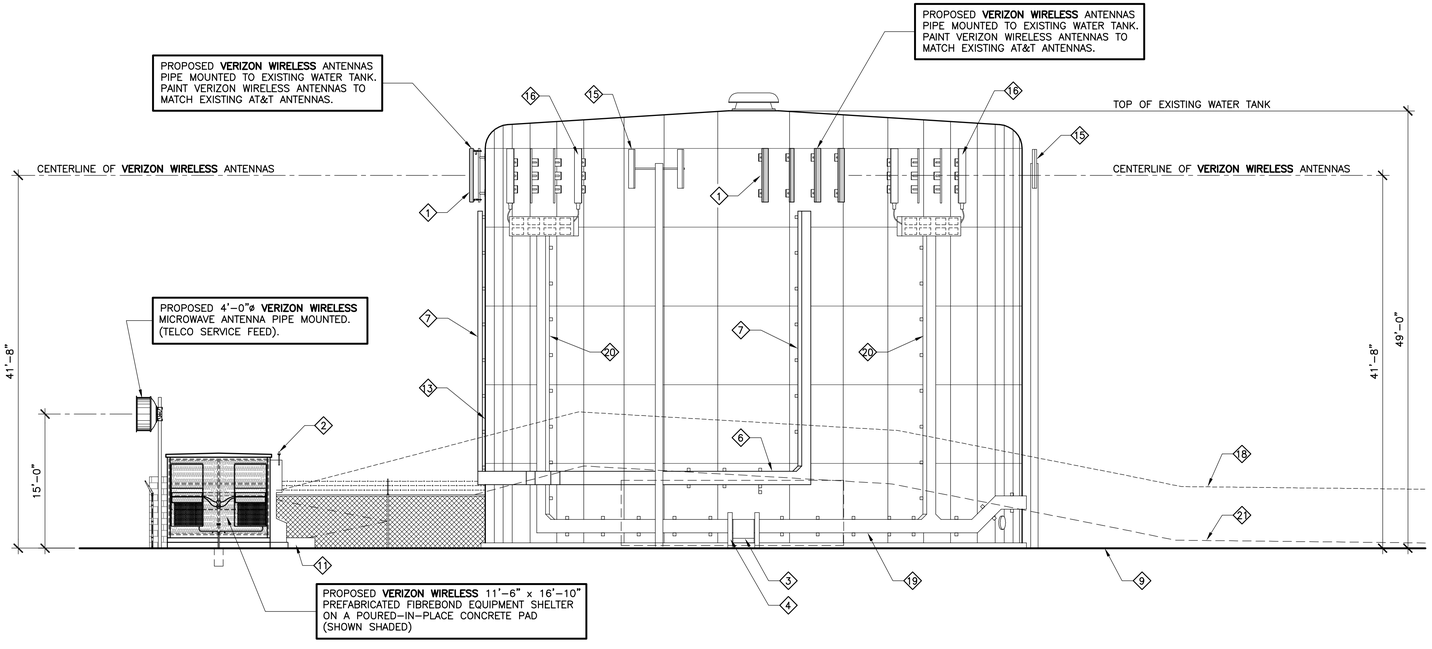
PROJECTS\VERIZON\11114

A-3



SOUTHEAST ELEVATION

SCALE: 1/16" =1'-0"



SOUTHWEST ELEVATION

SCALE: 1/16" =1'-0"

ELEVATION NOTES:

1. PROPOSED **VERIZON WIRELESS** ANTENNAS
2. PROPOSED (2) E911/GPS ANTENNA MOUNTED TO COAX CABLE SHROUD
3. EXISTING METAL SHROUD FACADE MOUNTED TO FACE OF EXISTING WATER TANK
4. EXISTING BOLLARD
5. EXISTING T-MOBILE TELECOMMUNICATIONS EQUIPMENT TO REMAIN
6. PROPOSED **VERIZON WIRELESS** HORIZONTAL COAX CABLE CHASE MOUNTED TO OUTSIDE OF EXISTING WATER TANK
7. PROPOSED **VERIZON WIRELESS** VERTICAL COAX CABLE CHASE MOUNTED TO OUTSIDE OF EXISTING WATER TANK
8. PROPOSED **VERIZON WIRELESS** 30kw ENCLOSED EMERGENCY GENERATOR (SHOWN DASHED)
9. EXISTING GRADE
10. EXSTING ACCESS LADDER WITH SAFETY CAGE
11. PROPOSED CONCRETE LANDING AND STEPS
12. EXISTING CHAINLINK FENCE AROUND EXISTING "WATER" VALVE
13. EXISTING WATER TANK
14. EXISTING SLOPED EMBANKMENT
15. EXISTING POLE MOUNTED T-MOBILE ANTENNAS TO REMAIN
16. EXISTING AT&T MOBILITY ANTENNAS PIPE MOUNTED TO EXISTING WATER TANK TO REMAIN
17. EXISTING CONCRETE BLOCK RETAINING WALL
18. EXISTING CHAINLINK FENCE IN FOREGROUND. SHOWN DASHED FOR CLARITY
19. EXISTING HORIZONTAL COAX CABLE TRAY MOUNTED AT FACE OF EXISTING WATER TANK
20. EXISTING VERTICAL COAX CABLE TRAY MOUNTED TO WATER TANK
21. EXISTING SLOPED EMBANKMENT IN FOREGROUND (SHOWN DASHED FOR CLARITY)

COLOR SPEC:

CONCRETE BLOCK ENCLOSURE:
MANUFACTURER: "RCP CONCRETE BLOCK AND BRICK"
COLOR: LA PAZ – PRECISION CONCRETE BLOCK

GATE & FRAME: "SHERWIN-WILLIAMS" TOTALLY TAN SW6115

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PROJECT NAME

WILDCAT CANYON

23403 CALISTOGA PLACE
RAMONA, CA 92065
SAN DIEGO COUNTY

DRAWING DATES

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11/19/12	REVISED 100% ZD (se)
11/20/12	REVISED 100% ZD (se)
12/21/12	REVISED 100% ZD (se)
01/07/13	REVISED 100% ZD (se)
06/11/13	REVISED 100% ZD (se)

SHEET TITLE

EXTERIOR ELEVATIONS

PROJECTS\VERIZON\11114

A-4

LEGAL DESCRIPTION:

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

LOT 284 OF SAN DIEGO COUNTRY ESTATES IV, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 8031, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, OCTOBER 9, 1974.

EXCEPTING THEREFROM ALL OIL, GAS, OTHER HYDROCARBONS SUBSTANCES, AND MINERALS, INCLUDING RIGHTS INCIDENTAL TO SUCH OWNERSHIP, NOW OR AT ANY TIME HEREAFTER, SITUATED IN AND UNDER THE HEREINAFTER DESCRIBED LAND AND LYING BELOW A DEPTH OF 500 FEET MEASURED FROM THE SURFACE OF SAID LAND, BUT WITHOUT ANY RIGHT OF ENTRY UPON THE SURFACE FOR EXTRACTION OR REMOVAL OF SUCH OIL, GAS, OTHER HYDROCARBON SUBSTANCES, OR MINERALS, AND WITHOUT ANY RIGHT TO PENETRATE OR TO PASS THROUGH THE 500 FOOT SPACE IMMEDIATELY BELOW SAID SURFACE FOR PURPOSES OF SUCH EXTRACTION OR REMOVAL, AS GRANTED TO MAGNOLIA LAND COMPANY, A CALIFORNIA CORPORATION, BY DEEDS RECORDED JULY 26, 1971 AS FILE/PAGE NOS. 162681 AND 162683 BOTH OF OFFICIAL RECORDS.

ASSESSOR'S PARCEL NUMBER: 288-070-18-00

ITEMS CORRESPONDING TO SCHEDULE "B":

BY: LAWYERS TITLE COMPANY
3480 VINE STREET, STE. 100
RIVERSIDE, CA 92507
(951) 774-0825

COMMITMENT NO.: 611671708
TITLE OFFICER: PEGGY JONES
DATED: MARCH 23, 2011

THE FOLLOWING ITEMS WERE FOUND IN SAID COMMITMENT AND ARE REFERENCED ON THIS MAP. COVENANTS AND AGREEMENTS LISTED HEREON CONTAIN NUMEROUS ITEMS THAT AFFECT THE SUBJECT PROPERTY, CONTENTS SHOULD BE REVIEWED TO DISCERN SPECIFICS

(2) THE MATTERS CONTAINED IN A DOCUMENT ENTITLED "EASEMENT AGREEMENT" RECORDED NOVEMBER 21, 1960 AS INSTRUMENT NO. 228651 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BUT THE EXACT LOCATION COULD NOT BE DETERMINED FROM THE RECORD DOCUMENT AND IS NOT PLOTTED HEREON.

(3) AN EASEMENT FOR A PERMANENT EASEMENT AND RIGHT OF WAY OVER, UNDER, UPON AND ACROSS ALL OF SAID PROPERTY, FOR THE CONSTRUCTION, RECONSTRUCTION, MAINTENANCE, REPAIR, REPLACEMENT, USE AND FOR ACCESS TO AND FROM STREETS, UTILITY LINES, PIPES AND OTHER INSTALLATIONS OF EVERY SORT AND DRAINAGE STRUCTURES, FOR GRADING, REMOVAL, REPLACEMENT AND TREATMENT OF SOIL AND FOR FILL, FOR CONSTRUCTION, RECONSTRUCTION, USE, MAINTENANCE, REPAIR, REPLACEMENT AND FOR ACCESS TO AND FROM STRUCTURES AND FOR ALL OTHER PURPOSES NECESSARY OR INCIDENTAL TO THE DEVELOPMENT OF THE SAID PROPERTY, AND EACH AND EVERY PART THEREOF, FOR RESIDENTIAL AND COMMERCIAL USES, WITH THE RIGHT TO GRANT THE SAME, OR ANY PART THEREOF, TO OTHERS, RECORDED JULY 20, 1972 AS INSTRUMENT NO. 188450 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BUT THE EXACT LOCATION COULD NOT BE DETERMINED FROM THE RECORD DOCUMENT AND IS NOT PLOTTED HEREON.

(4) COVENANTS, CONDITIONS AND RESTRICTIONS AS SET FORTH IN THE DOCUMENT RECORDED OCTOBER 12, 1972 AS INSTRUMENT NO. 274576, RECORDED OCTOBER 28, 1974 AS INSTRUMENT NO. 74-286582, JANUARY 27, 2003 AS INSTRUMENT NO. 2003-0090508 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BLANKET IN NATURE AND IS NOT PLOTTED HEREON

(5) AN EASEMENT FOR OPEN SPACE SHOWN ON MAP 8031. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND ITS PLOTTED HEREON.

(6) MATTERS CONTAINED IN THE DEDICATION STATEMENT OR ELSEWHERE ON THE TRACT OR PARCEL MAP 8031. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BLANKET IN NATURE AND IS NOT PLOTTED HEREON.

(7) AN EASEMENT FOR TV CABLE FACILITIES, RECORDED SEPTEMBER 20, 1977 AS INSTRUMENT NO. 77-384819 AND RE-RECORDED APRIL 10, 1978 AS INSTRUMENT NO. 78-140696, RE-RECORDED APRIL 10, 1978 AS INSTRUMENT NO. 78-140696, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, IT APPEARS TO BE BLANKET IN NATURE AND IS NOT PLOTTED HEREON.

(8) AN EASEMENT FOR PIPELINE OR PIPELINES, TOGETHER WITH THE RIGHT OF INGRESS THERETO AND EGRESS THEREFROM, TOGETHER WITH THE RIGHT TO CLEAR AND KEEP CLEAR SAID RIGHT OF WAY RECORDED NOVEMBER 8, 1978 AS INSTRUMENT NO. 78-484026, OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

ITEMS #'S SHOWN HEREON ARE STATED AS EXCEPTIONS ON ABOVE REFERENCED COMMITMENT. NO RESPONSIBILITY FOR THE COMPLETENESS, ACCURACY, OR CONTENT OF SAID REPORT IS ASSUMED BY THIS MAP.

DATUM STATEMENT:

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 6, (NSRS2007) EPOCH 2011.00

BENCHMARK FOR THIS SURVEY IS THE NAVD 88 ELEVATION AT SAN DIEGO COUNTY CORS STATION "RAAP/RAMONA". NAVD88

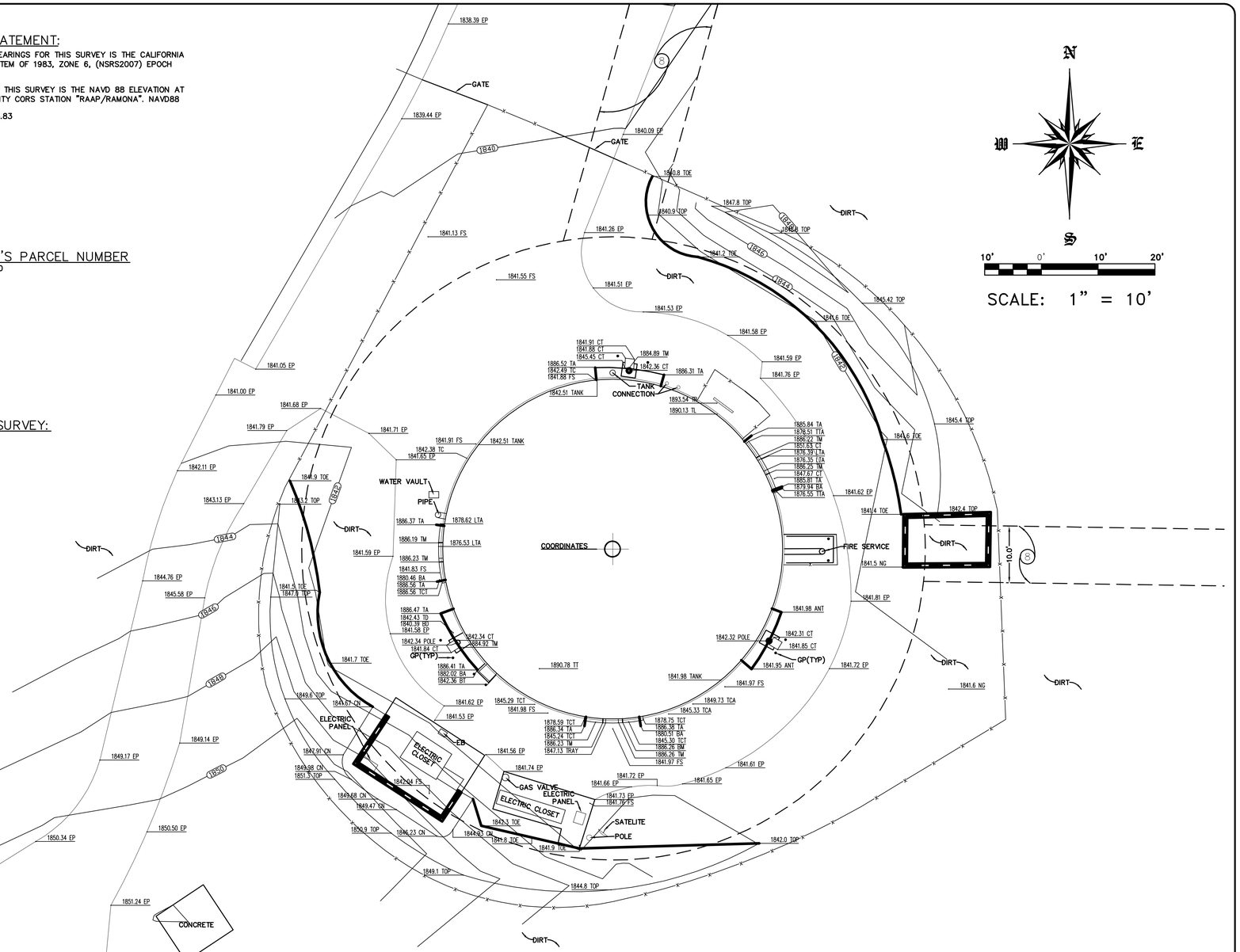
ELEVATION: 1405.83

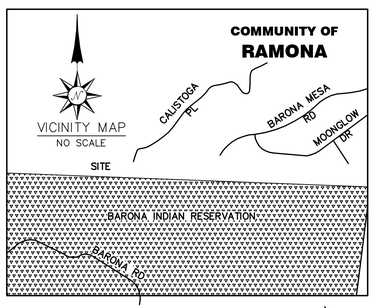
ASSESSOR'S PARCEL NUMBER

288-070-18-00

DATE OF SURVEY:

JULY 20, 2011





LEGEND:

ANT	–	ANTENNA
BA	–	BOTTOM OF ANTENNA
BTR	–	TOP OF RAIL
CB	–	COMMUNICATION BOX
CN	–	CONCRETE
CR	–	COMMUNICATION RISER
CT	–	CABLE TRAY
CT	–	CABLE TRAY
EB	–	ELECTRIC BOX
EP	–	EDGE OF PAVEMENT
ET	–	ELECTRIC TRANSFORMER
FS	–	FINISH SURFACE
GV	–	GAS VALVE
GP	–	GUARD POST
LTA	–	LOWER TRAY ANGLE
NG	–	NATURAL GROUND
SCO	–	SEWER CLEAN OUT
TA	–	TOP OF ANTENNA
TAC	–	TO OF AC BERM
TC	–	TOP OF CURB
TCT	–	TOP OF CABLE TRAY
TD	–	TOP OF DISH
TL	–	TOP OF LADDER
TM	–	TOP OF ANTENNA MOUNT
TT	–	TOP OF TANK
TTA	–	TOP OF TRAY ANGLE
(TYP)	–	TYPICAL
UB	–	UTILITY BOX
WM	–	WATER METER
WV	–	WATER VALVE
[XXX]	–	INDICATES RECORD DATA PER SAN DIEGO COUNTRY ESTATES IV

COORDINATES:

LATITUDE: 32°59'36.40370" N
LONGITUDE: 116°49'41.89913" W

DATUM: NAD83

MIGUEL A. MARTINEZ L.S. 7443

BOUNDARY NOTE:

THE BOUNDARY SHOWN HEREON IS BASED ON RECORD INFORMATION AS COLLECTED FROM THE ASSESSORS PARCEL MAP. IT IS NOT THE RESULT OF A COMPLETE BOUNDARY SURVEY, IT HAS BEEN PROVIDED FOR INFORMATIONAL PURPOSES ONLY.

PROFESSIONAL LAND SURVEYOR
MIGUEL A. MARTINEZ
L.S. 7443
Exp. 06/30/12
STATE OF CALIFORNIA

BOOTH & SUAREZ
ARCHITECTURE INCORPORATED
325 CARLSBAD VILLAGE DRIVE, SUITE D2
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CONSULTANT

JRN
CIVIL ENGINEERS
232 AVENIDA FABRICANTE,
SUITE 107
SAN CLEMENTE, CA 92672
(949) 248-4685

PROJECT NAME

WILDCAT CANYON

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RAMONA, CA 92065
SAN DIEGO COUNTY

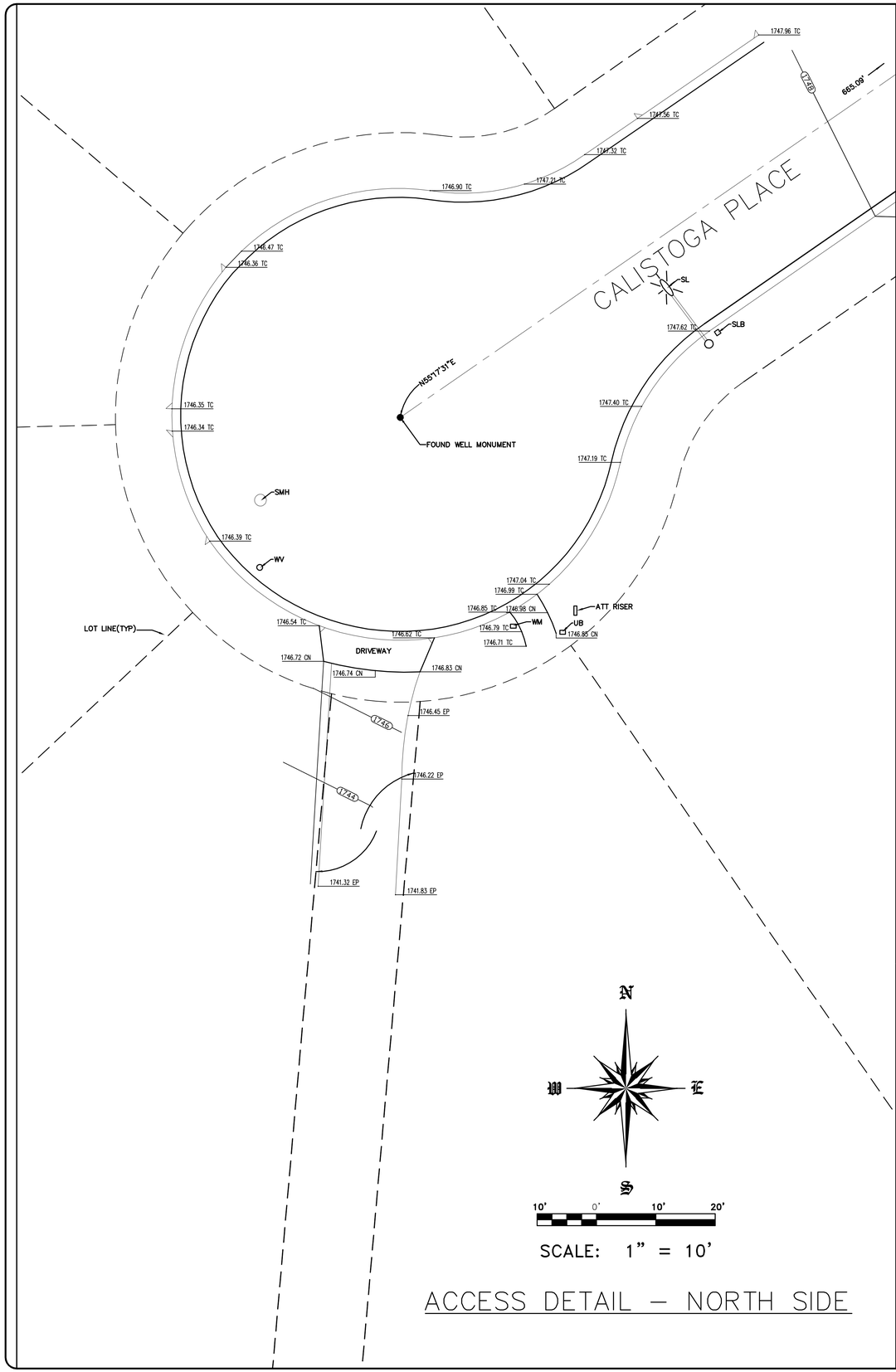
DRAWING DATES

SHEET TITLE

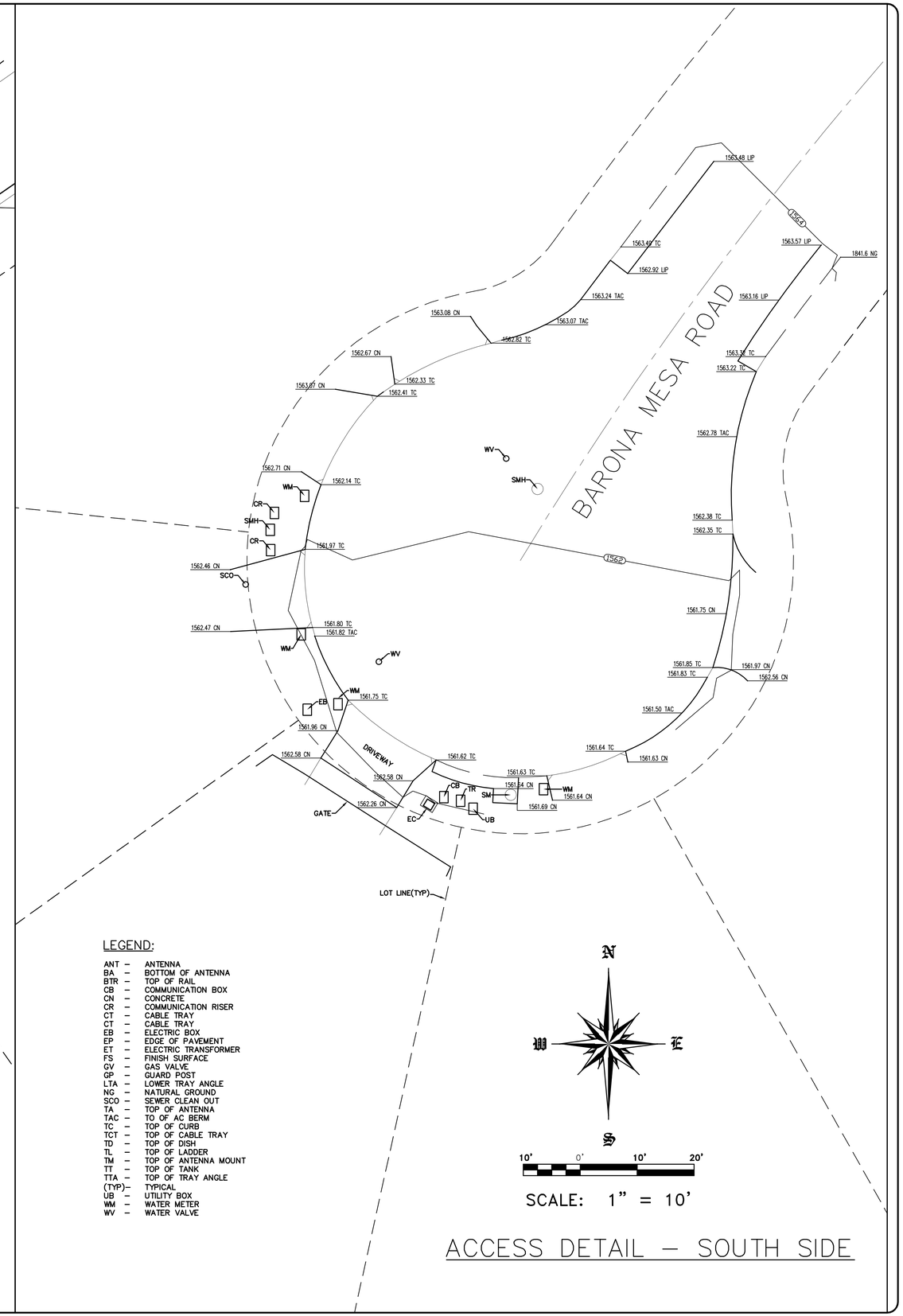
TOPOGRAPHIC SURVEY

PROJECTS\VERIZON\11114

C-1



ACCESS DETAIL – NORTH SIDE



ACCESS DETAIL – SOUTH SIDE

LEGEND:

ANT	–	ANTENNA
BA	–	BOTTOM OF ANTENNA
BTR	–	TOP OF RAIL
CB	–	COMMUNICATION BOX
CN	–	CONCRETE
CR	–	COMMUNICATION RISER
CT	–	CABLE TRAY
CT	–	CABLE TRAY
EB	–	ELECTRIC BOX
EP	–	EDGE OF PAVEMENT
ET	–	ELECTRIC TRANSFORMER
FS	–	FINISH SURFACE
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GP	–	GUARD POST
LTA	–	LOWER TRAY ANGLE
NG	–	NATURAL GROUND
SCO	–	SEWER CLEAN OUT
TA	–	TOP OF ANTENNA
TAC	–	TO OF AC BERM
TC	–	TOP OF CURB
TCT	–	TOP OF CABLE TRAY
TD	–	TOP OF DISH
TL	–	TOP OF LADDER
TM	–	TOP OF ANTENNA MOUNT
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TTA	–	TOP OF TRAY ANGLE
(TYP)	–	TYPICAL
UB	–	UTILITY BOX
WM	–	WATER METER
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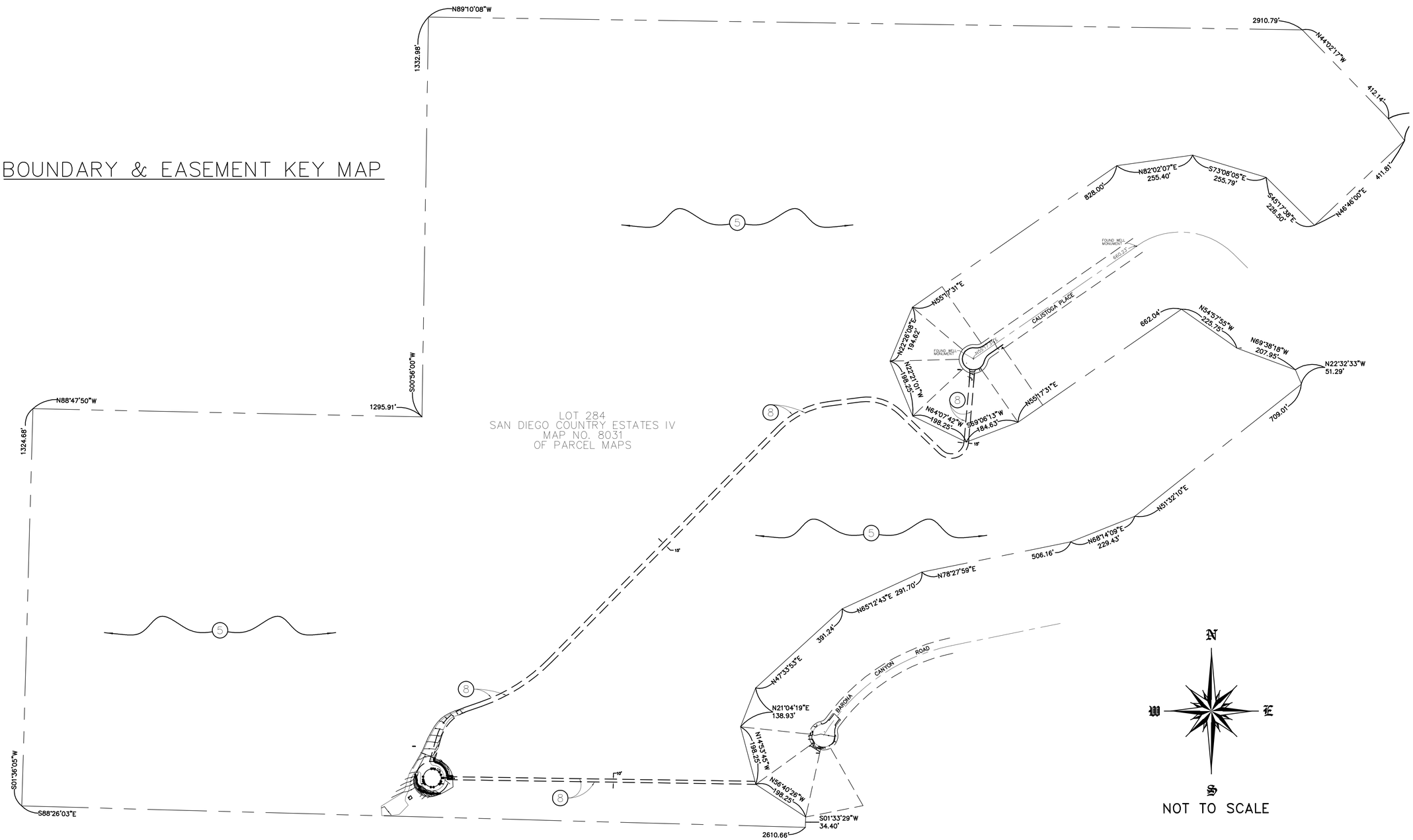
TOPOGRAPHIC SURVEY

PROJECTS\VERIZON\11114

C-2

BOUNDARY & EASEMENT KEY MAP



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C-3