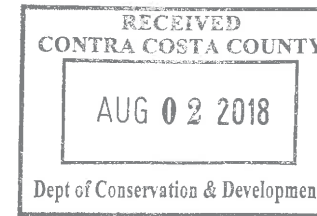




SF ALAMO 013

(NEAR) 184 CREEKDALE ROAD
WALNUT CREEK, CA 94595

PSL #433679



WA17-0013



Verizon Wireless
2785 Mitchell Drive, Suite 9
Walnut Creek, CA 94598

Client:



Project Architect:



Site Agent:

100% Construction Drawings

Drawing Phase:

SF ALAMO 013
(NEAR) 184 CREEKDALE RD
WALNUT CREEK, CA 94595

PSL #433679

Site Name:

Professional Seal:

It is a violation of law for any person, unless they are acting under the direction of a licensed Professional Architect/Engineer, to alter this document.

Rev.	Date	Description
01	07/08/17	Constr. Dwgs 90%
02	08/07/17	Constr. Dwgs 100%
03	10/05/17	Constr. Dwgs 100%
04	04/12/18	Constr. Dwgs 100%
05	06/04/18	Constr. Dwgs 100%

Project No.:

Date: 06/04/18 Job No.:

Scale: AS SHOWN CAD File:

Designed By: JG Checked: RB

TITLE SHEET

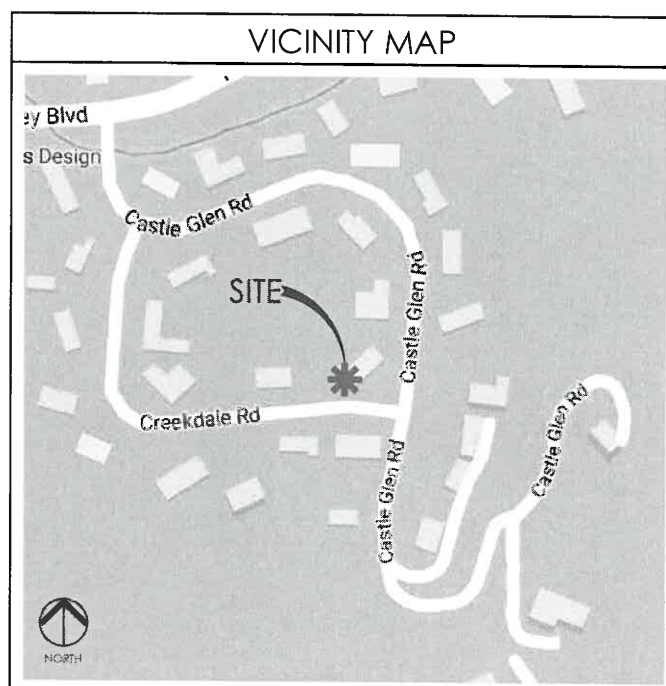
Sheet Title:

T.1

Sheet No.:

©Meridian Management LLC, 2018

SITE INFORMATION	
PSL #:	433679
OWNER:	PG&E CALIFORNIA JOINT POLE 870 N. MCCARTHY BLVD, SUITE 110 MILPITAS, CA 95035 TEL (408) 635-8775
APPLICANT:	VERIZON WIRELESS 2785 MITCHELL DRIVE, SUITE 9 WALNUT CREEK, CA 94598
AGENT:	ON AIR LLC 465 FIRST ST. WEST SUITE 101 SONOMA, CA 95476 TEL (707) 933-9633
APN ADJACENCY:	(ADJACENT TO) 188-132-005
SITE ADDRESS:	(NEAR) 184 CREEKDALE RD WALNUT CREEK, CA 94595
COUNTY:	CONTRA COSTA COUNTY
ZONING:	PUBLIC ROW
ZONING JURISDICTION:	CONTRA COSTA COUNTY



PROJECT TEAM	
ON AIR, LLC	
ON AIR LLC 465 FIRST ST. WEST SUITE 101 SONOMA, CA 95476	
PROJECT MGR: CHRIS FOWLER	
MOBILE:	(650) 888-0809
OFFICE:	(707) 933-9633
EMAIL:	cfowler@onairllc.com
CONSTRUCTION MANAGER: MOHAMMAD A. BASEER	
MOBILE:	(510) 414-7075
EMAIL:	mbaseer@onairllc.com
SITE ACQUISITION MGR: PETE HILLIARD	
MOBILE:	(707) 732-7227
OFFICE:	(707) 933-9633
EMAIL:	philliard@onairllc.com
ARCHITECT/ENGINEER	
PROJECT MANAGER: RODNEY BARNES	
MERIDIAN MANAGEMENT, INC.	
MOBILE:	(707) 592-5924
EMAIL:	rodneym@meridian.management
VERIZON WIRELESS	
VERIZON WIRELESS 2785 MITCHELL DRIVE BUILDING 9 WALNUT CREEK, CA 94598	

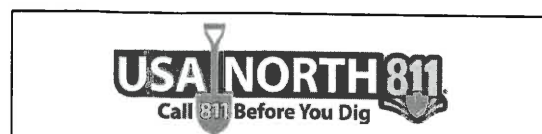
PROJECT DESCRIPTION	
THIS IS AN UNMANNED TELECOMMUNICATIONS FACILITY FOR THE VERIZON WIRELESS NETWORK CONSISTING OF THE INSTALLATION AND OPERATION OF AN ANTENNA AND ASSOCIATED EQUIPMENT ON AN EXISTING WOOD POLE IN THE PUBLIC RIGHT-OF-WAY.	
<u>SCOPE OF WORK</u>	
1.	INSTALL NEW TELECOMMUNICATIONS EQUIPMENT BOXES ON A 38.4' HT. PG&E WOOD POLE.
2.	POLE-MOUNTED EQUIPMENT TO BE INSTALLED ON A GO95 COMPLIANT STANDOFF BRACKET.
3.	EQUIPMENT CONSISTS OF (1) 2' HT. CANTENNA ON 7' POLE TOP EXTENSION, POLE-MOUNTED STANDOFF BRACKET w/ DISCONNECT SWITCH, AND GROUND BUSS BAR.
4.	INSTALL (1) RRU4449, (1) RRU8843, (2) DIPLEXERS, (2) POWER SUPPLY UNITS, (6) HYBRID COMBINERS, AND (1) POWER METER INSIDE FENCED SCREENING ENCLOSURE, (1) CHRISTY PULL BOX (IF REQUIRED).
5.	INSTALL POLE STEPS AS REQUIRED
6.	ALL POLE EQUIPMENT TO BE PAINTED WITH VALSPAR 'DEEP EARTH' COLOR.
7.	POWER SERVICE FROM OVERHEAD POC

DRAWING INDEX	
SHEET NO:	SHEET TITLE
T.1	TITLE SHEET
C.1	SITE SURVEY
C.2	SITE SURVEY
A.1	OVERALL SITE PLAN
A.2	POLE PLAN ENLARGEMENTS
A.3	ELEVATIONS
A.4	ELEVATIONS
A.5	EQUIPMENT DETAILS
A.6	EQUIPMENT DETAILS
A.7	EQUIPMENT DETAILS
E.1	SINGLE LINE DIAGRAM, BUSS DIAGRAM, PANEL SCHEDULE
E.2	POLE GROUNDING, ELECTRICAL DETAILS
TC.1	SITE SPECIFIC VEHICLE TRAFFIC CONTROL PLAN

CODE COMPLIANCE	
CONSTRUCTION WORKS AND MATERIALS MUST COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY LOCAL JURISDICTION, INCLUDING BUT NOT LIMITED TO:	
<ul style="list-style-type: none"> CALIFORNIA CODE OF REGULATIONS 2016 CALIFORNIA BUILDING CODE 2016 CALIFORNIA MECHANICAL CODE 2016 CALIFORNIA PLUMBING CODE 2016 CALIFORNIA ELECTRIC CODE 2016 CALIFORNIA GREEN CODE 2016 EDITION OF TITLE 24 ENERGY STANDARDS ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE CITY / COUNTY ORDINANCES 2016 CALIFORNIA FIRE CODES WITH ALL LOCAL AMENDMENTS GO 95 REGULATIONS 	

DRIVING DIRECTIONS	
<u>DIRECTIONS FROM VERIZON WIRELESS RF MARKET OFFICE:</u>	
1.	HEAD NORTH-EAST ON MITCHELL DR TOWARDS OAK GROVE RD
2.	TURN LEFT ONTO OAK GROVE RD
3.	USE THE LEFT 2 LANES TO TURN LEFT ONTO TREAT BLVD
4.	TURN RIGHT ONTO N MAIN ST
5.	TURN RIGHT ONTO THE INTERSTATE 680 S SLIP ROAD TO OAKLAND/SAN JOSE
6.	MERGE ONTO I-680 S
7.	TAKE EXIT 45B FOR OLYMPIC BLVD
8.	TURN RIGHT ONTO OLYMPIC BLVD
9.	USE THE LEFT 2 LANES TO TURN LEFT ONTO TICE VALLEY BLVD
10.	TURN RIGHT ONTO CASTLE GLEN RD
11.	TURN RIGHT ONTO CREEKDALE RD

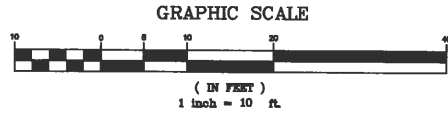
HANDICAP REQUIREMENTS	
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA ADMINISTRATIVE STATE CODE PART 2, TITLE 24, CHAPTER 11B, SECTION 1103B.	



ADMINISTRATIVE REQUIREMENTS	
CONTRACTOR SHALL VERIFY ALL PLANS & (E) 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 IF USING 11"x17" PLOT, DRAWINGS WILL BE HALF SCALE	

SITE MAP

A BOUNDARY SURVEY WAS NOT PERFORMED AT THIS TIME. RIGHT-OF-WAY WIDTHS AND PROPERTY LINE LOCATIONS SHOWN HEREON ARE APPROXIMATE AND BASED ON A COMBINATION OF VARIOUS MAPS AND FIELD OBSERVATIONS FOR GRAPHICAL PURPOSES ONLY.



A.P.N.
188-132-005

A.P.N.
188-132-006

LATITUDE & LONGITUDE
TAKEN HERE
37°52'21.60" (NAD 83)
122°03'33.99" (NAD 83)

GUY
WIRES

BUILDING

CURB

CREEKDALE ROAD

CURB

CURB

63.9'±

2.4'±

27.9'±

50.0'±

CURB

CASTLE GLEN ROAD

CURB

188 A.P.N.
188-133-016

A.P.N.
188-132-012

SURVEYOR ASSUMES NO RESPONSIBILITY TO CONTACT U.S.A. OR ANY OTHER AGENCIES PRIOR TO CONSTRUCTION. THE LOCATION OF EXISTING UTILITIES SHOWN HEREON MAY NOT BE ACCURATE AND ALL EXISTING UTILITIES MAY NOT BE SHOWN. CONTACT U.S.A. PRIOR TO CONSTRUCTION.

LEGEND

- PROPERTY LINE
- ○ FENCE LINE
- EDGE OF PAVEMENT
- - - EDGE OF GRAVEL
- - - OVERHEAD UTILITY LINE

A.P.N.
188-131-011



Curtis C. Surveying | Professional Land Surveyor | Mapping | Drafting
AZ 52146 | CA 8714 | ID 16110 | NV 20714 | UT 7792465
916.213.5500 | cart@curtisurveying.com | www.curtisurveying.com

REVISIONS

NO.	DATE	DESCRIPTION
1	06/15/17	ISSUED FOR REVIEW
2	06/01/18	REV PER EMAIL

verizon

VERIZON WIRELESS
2785 MITCHELL DRIVE, BLDG 9
WALNUT CREEK, CA. 94598

433679
SF ALAMO 013
NEAR 184 CREEKDALE RD.
WALNUT CREEK, CA 94595

DRAWN: DATE: 06/01/18
JOB NO. 17017
SHEET NO.

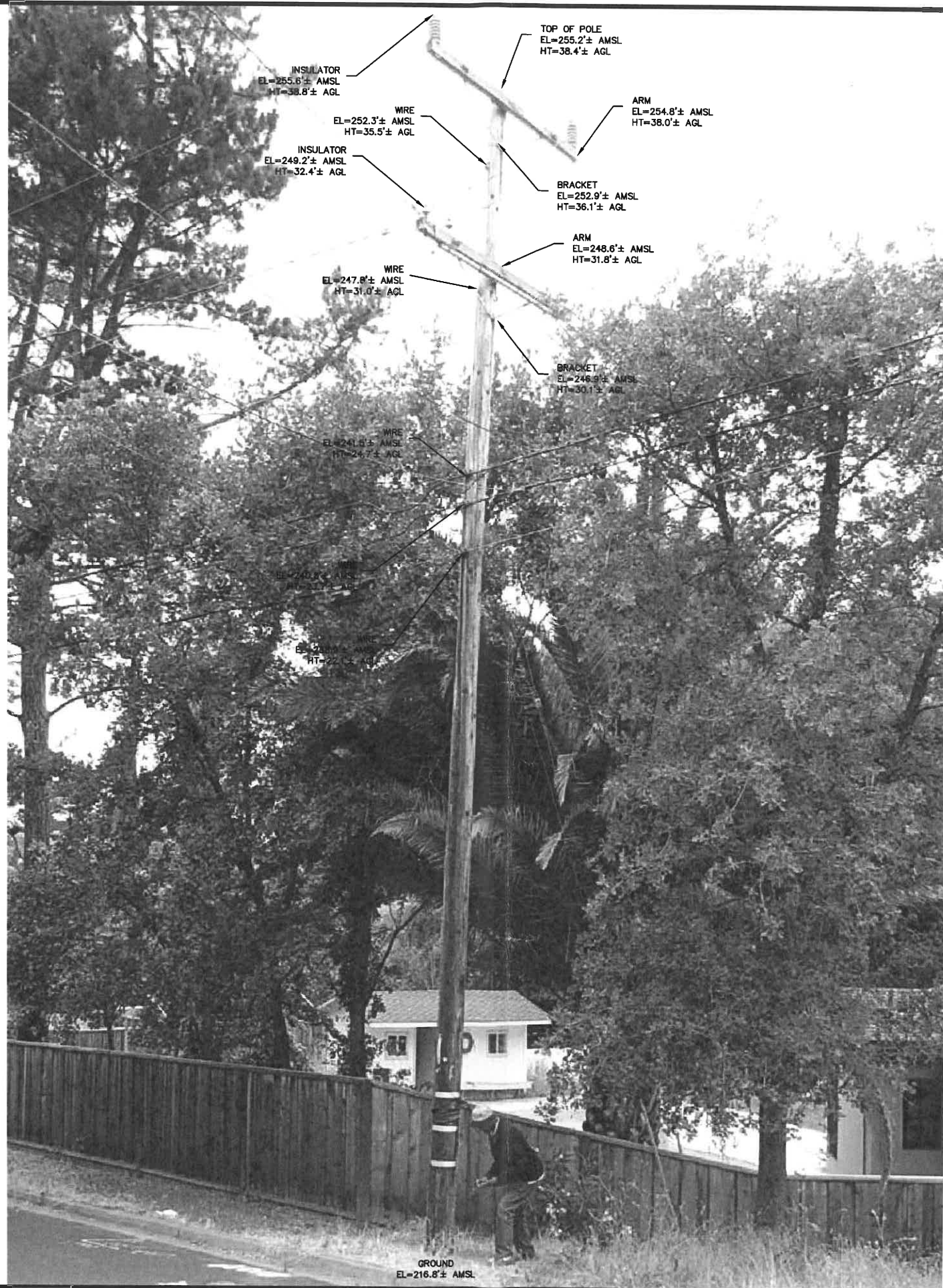
C-1

G:\Users\Travor_MacGruber\Projects\2014\14005\dwg\14005_2014-02-27.dwg 2/27/2014 11:40:33 AM PST

BOUNDARY SHOWN IS BASED ON RECORD INFORMATION AND FOUND MONUMENTATION. THIS IS NOT A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATE.

POLE DETAIL

NOT TO SCALE



INSULATOR
EL=255.6'± AMSL
HT=38.8'± AGL

WIRE
EL=252.3'± AMSL
HT=35.5'± AGL

INSULATOR
EL=249.2'± AMSL
HT=32.4'± AGL

TOP OF POLE
EL=255.2'± AMSL
HT=38.4'± AGL

ARM
EL=254.8'± AMSL
HT=38.0'± AGL

BRACKET
EL=252.9'± AMSL
HT=36.1'± AGL

ARM
EL=248.6'± AMSL
HT=31.8'± AGL

WIRE
EL=247.8'± AMSL
HT=31.0'± AGL

BRACKET
EL=246.2'± AMSL
HT=30.1'± AGL

WIRE
EL=241.8'± AMSL
HT=24.7'± AGL

GROUND
EL=216.8'± AMSL



Curtis C. Surveying | Professional Land Surveyor | Mapping | Drafting
AZ 92146 | CA 9714 | CO 98514 | ID 1610 | NV 20714 | UT 779266
916.213.5500 | curt@curtisurveying.com | www.curtisurveying.com

REVISIONS

NO.	DATE	DESCRIPTION
1	06/15/17	ISSUED FOR REVIEW
2	06/01/18	REV PER EMAIL

verizon

VERIZON WIRELESS
2785 MITCHELL DRIVE, BLDG 9
WALNUT CREEK, CA. 94598

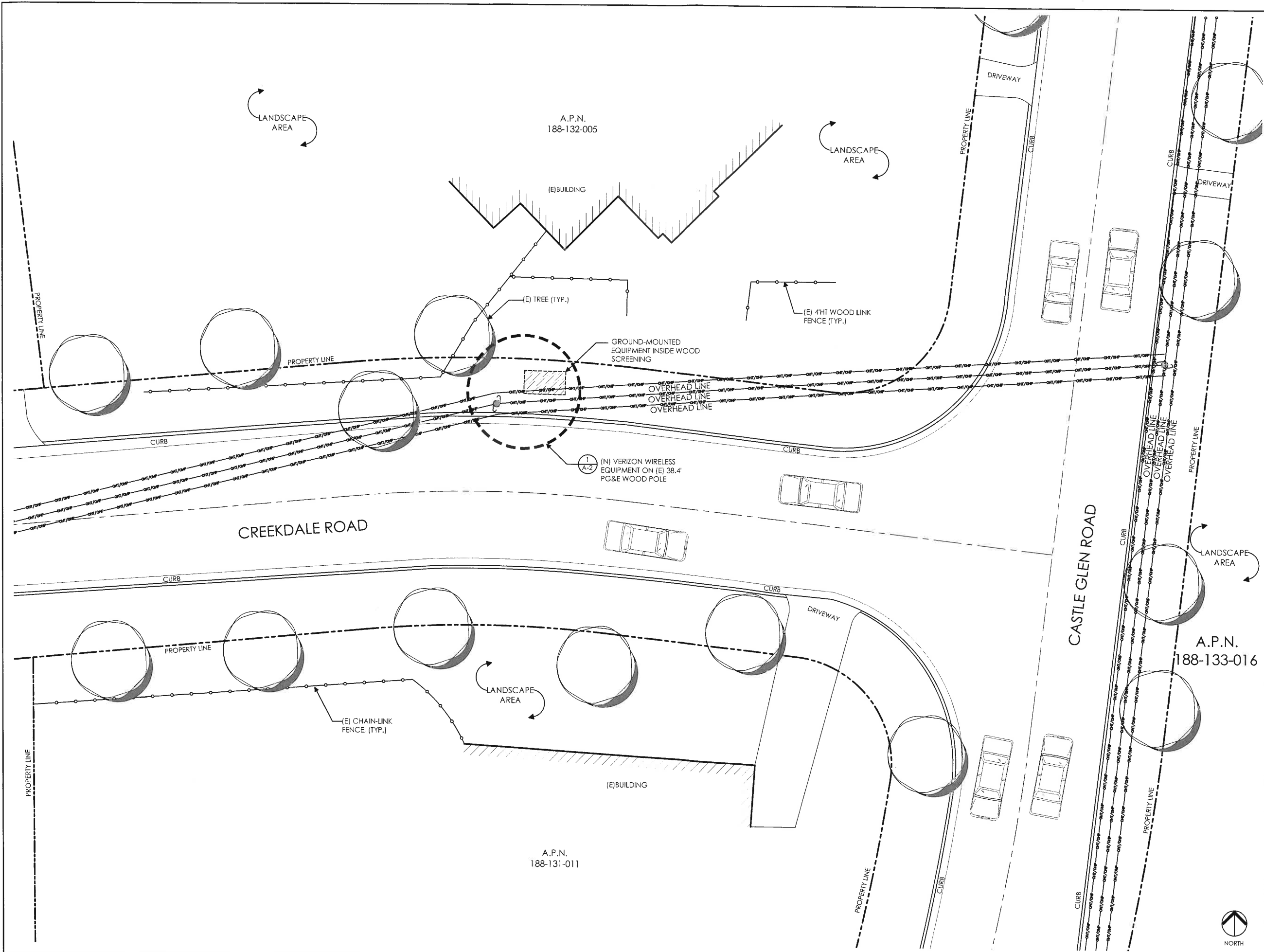
LEGEND

AGL ABOVE GROUND LEVEL
AMSL ABOVE MEAN SEA LEVEL

433679
SF ALAMO 013
NEAR 184 CREEKDALE RD.
WALNUT CREEK, CA 94595

DRAWN: _____ DATE: 06/01/18
JOB NO. _____ 17017
SHEET NO. _____

C-2



Verizon Wireless
2785 Mitchell Drive, Suite 9
Walnut Creek, CA 94598

Client: _____

MM Meridian Management LLC
785 Oak Grove Road E2
Suite 251
Concord, CA 94518
1 707.592.5924
www.meridian.management

Project Architect: _____

ON AIR
Wireless Site Acquisition &
Construction Management
485 First St. West, Suite 101
Sonoma, CA 95476
Phone: 707-933-9633
Fax: 707-933-9611

Site Agent: _____

100% Construction
Drawings

Drawing Phase: _____

SF ALAMO 013
(NEAR) 184 CREEKDALE RD
WALNUT CREEK, CA 94595

PSL #433679

Site Name: _____

Professional Seal: _____

It is a violation of law for any person,
unless they are acting under the direction
of a licensed Professional
Architect/Engineer, to alter this document.

Rev.	Date	Description
01	07/08/17	Constr. Dwgs 90%
02	08/07/17	Constr. Dwgs 100%
03	10/05/17	Constr. Dwgs 100%
04	04/12/18	Constr. Dwgs 100%
05	06/04/18	Constr. Dwgs 100%

Project No.: _____

Date: 06/04/18 Job No.: _____

Scale: AS SHOWN CAD File: _____

Designed By: JG Checked: RB

**OVERALL SITE
PLAN**

Sheet Title: _____

A.1

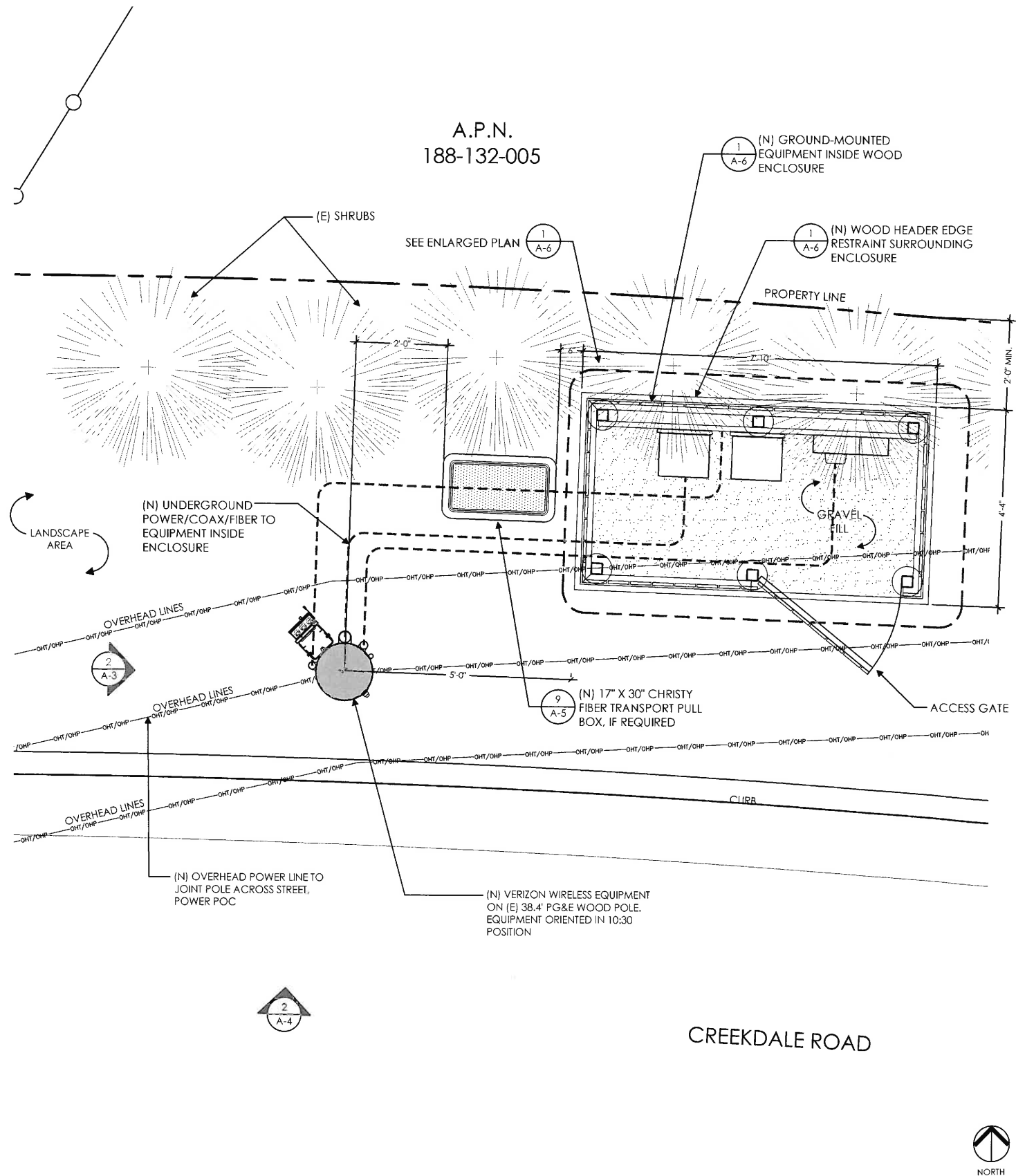
Sheet No.: _____

© Meridian Management LLC, 2018

(N) VERIZON EQUIPMENT TO BE MOUNTED IN 10:30 ORIENTATION. CLIMBING SPACE BETWEEN 6:00 TO 9:00. POLE STEPS REQUIRED FROM 8.5' TO COMMUNICATIONS ZONE. STEPS SHOULD BE USABLE WHEN INSTALLED WITHIN CLIMBING SPACE

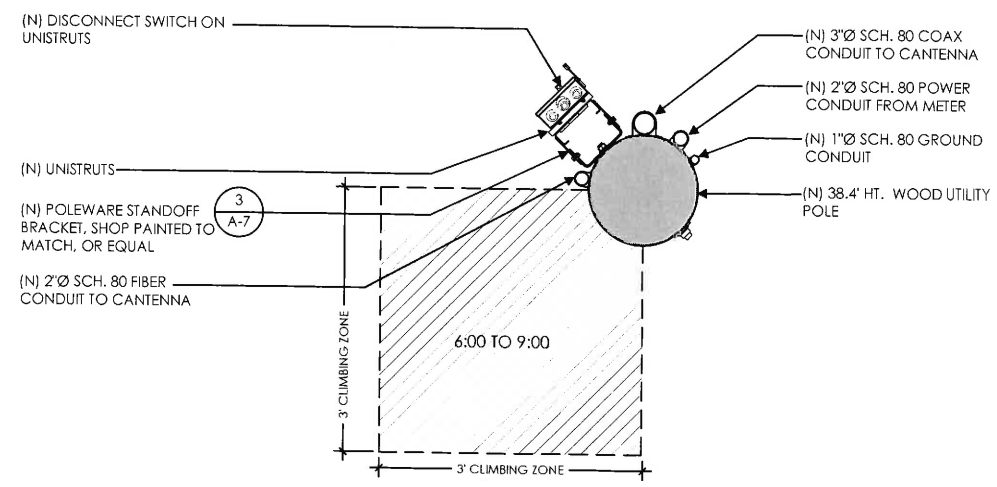
EQUIPMENT SYSTEM:
ALL NEW POLE COMPONENTS NOT SHOP PAINTED SHOULD BE FIELD PAINTED VALSPAR 'DEEP EARTH' COLOR (LRV = 7.10)

NEW CONDUIT FOR POWER/TELCO:
(1) 2" CONDUIT FOR POWER
(1) 2" CONDUIT FOR FIBER
(1) 3" CONDUIT FOR COAX
(1) 1" CONDUIT FOR GROUND



NOT USED

2



POLE SECTION



Verizon Wireless
2785 Mitchell Drive, Suite 9
Walnut Creek, CA 94598

Client:



Project Architect:



485 First St. West, Suite 101
Sonoma, CA 95478
Phone: 707-833-9633
Fax: 707-833-9611

Site Agent:

100% Construction Drawings

(E) LIGHT POLE
Drawing Phase:

SF ALAMO 013

(NEAR) 184 CREEKDALE RD
WALNUT CREEK, CA 94595

PSL #433679

Site Name:

Professional Seal:

It is a violation of law for any person, unless they are acting under the direction of a licensed Professional Architect/Engineer, to alter this document.

Rev.	Date	Description
01	07/08/17	Constr. Dwgs 90%
02	08/07/17	Constr. Dwgs 100%
03	10/05/17	Constr. Dwgs 100%
04	04/12/18	Constr. Dwgs 100%
05	06/04/18	Constr. Dwgs 100%

Project No.:

Date: 06/04/18 Job No.:

Scale: AS SHOWN CAD File:

Designed By: JG Checked: RB

POLE PLAN ENLARGEMENTS

Sheet Title:

A.2

Sheet No.:

©Meridian Management LLC, 2018

POLE PLAN ENLARGEMENT



SCALE
3/4" = 1'-0"

1



SCALE
1" = 1'-0"

3

Client:

MM Meridian Management LLC
785 Oak Grove Road E2
Suite 251
Concord, CA 94518
T 707.592.5924
www.meridian.management

Project Architect:

ON AIR
Wireless Site Acquisition &
Construction Management

465 First St. West, Suite 101
Sonoma, CA 95478
Phone: 707-933-9633
Fax: 707-933-9611

Site Agent:

100% Construction
Drawings

Drawing Phase:

SF ALAMO 013

(NEAR) 184 CREEKDALE RD
WALNUT CREEK, CA 94595

PSL #433679

Site Name:

Professional Seal:

It is a violation of law for any person,
unless they are acting under the direction
of a licensed Professional
Architect/Engineer, to alter this document.

Rev.	Date	Description
01	07/08/17	Constr. Dwgs 90%
02	08/07/17	Constr. Dwgs 100%
03	10/05/17	Constr. Dwgs 100%
04	04/12/18	Constr. Dwgs 100%
05	06/04/18	Constr. Dwgs 100%

Project No.:

Date: 06/04/18 Job No.:

Scale: AS SHOWN CAD File:

Designed By: JG Checked: RB

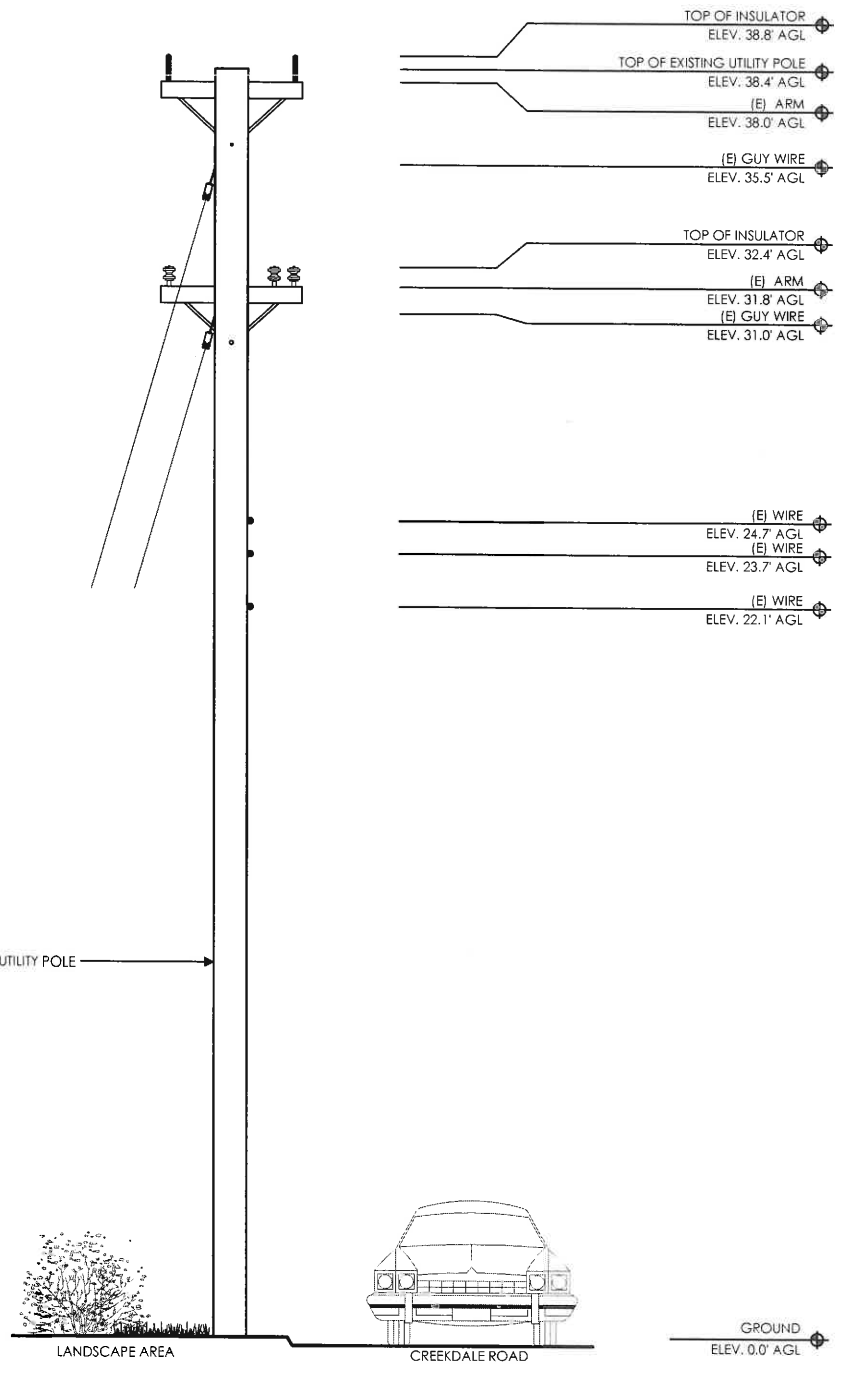
ELEVATIONS

Sheet Title:

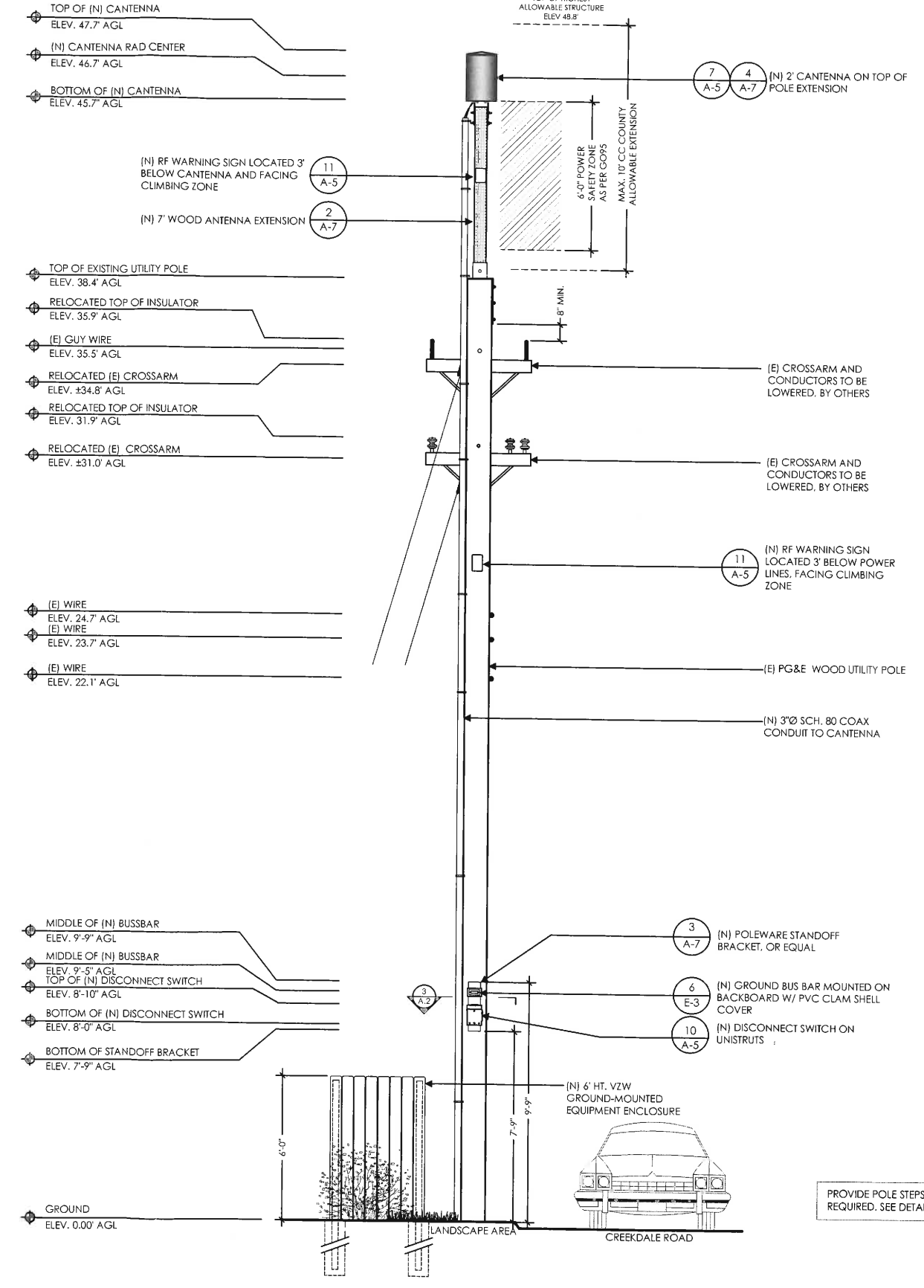
A.3

Sheet No.:

©Meridian Management LLC, 2018



WEST ELEVATION - EXISTING

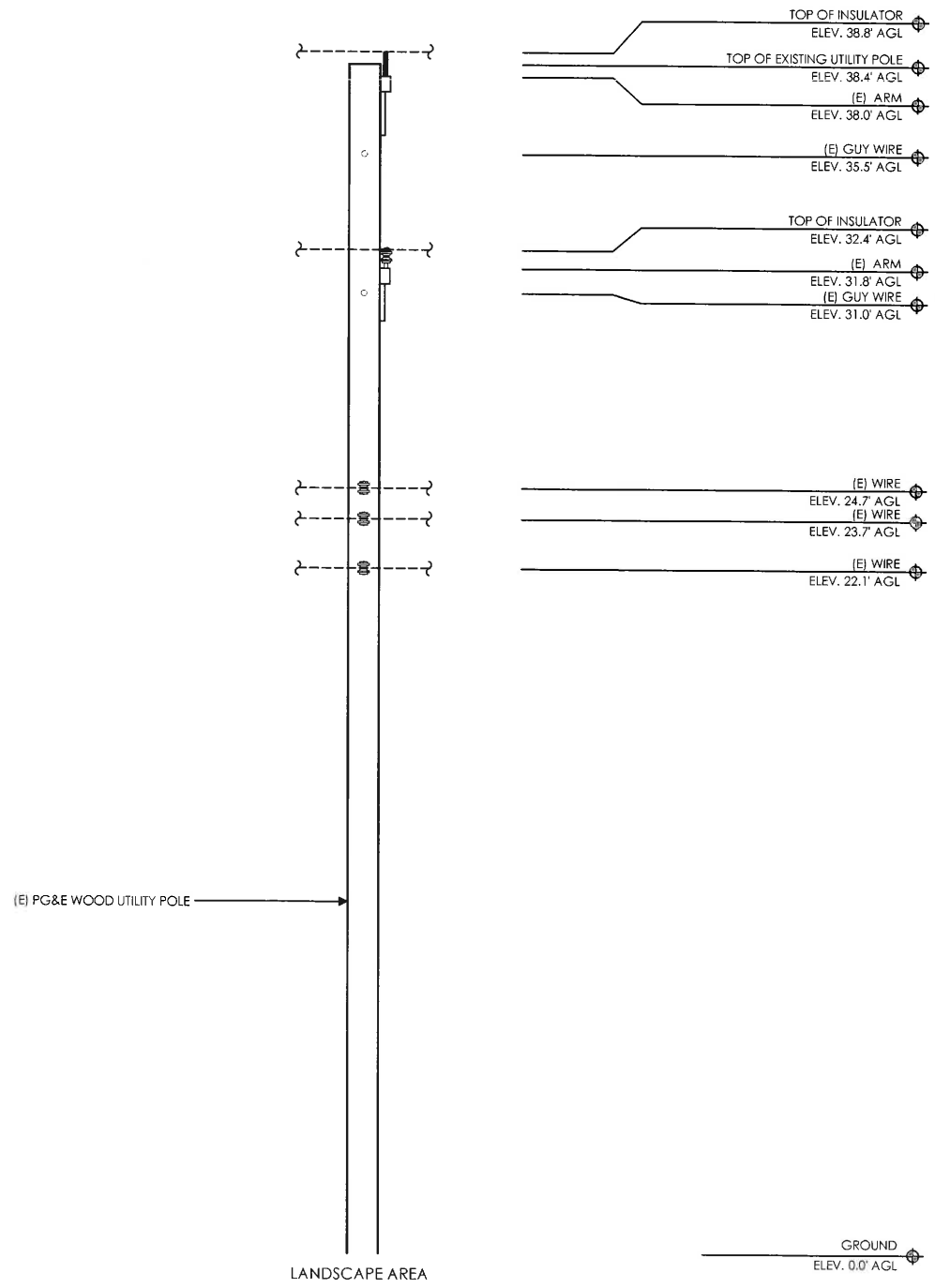


WEST ELEVATION - PROPOSED

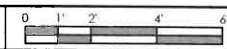


SCALE NOTE:

IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.



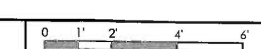
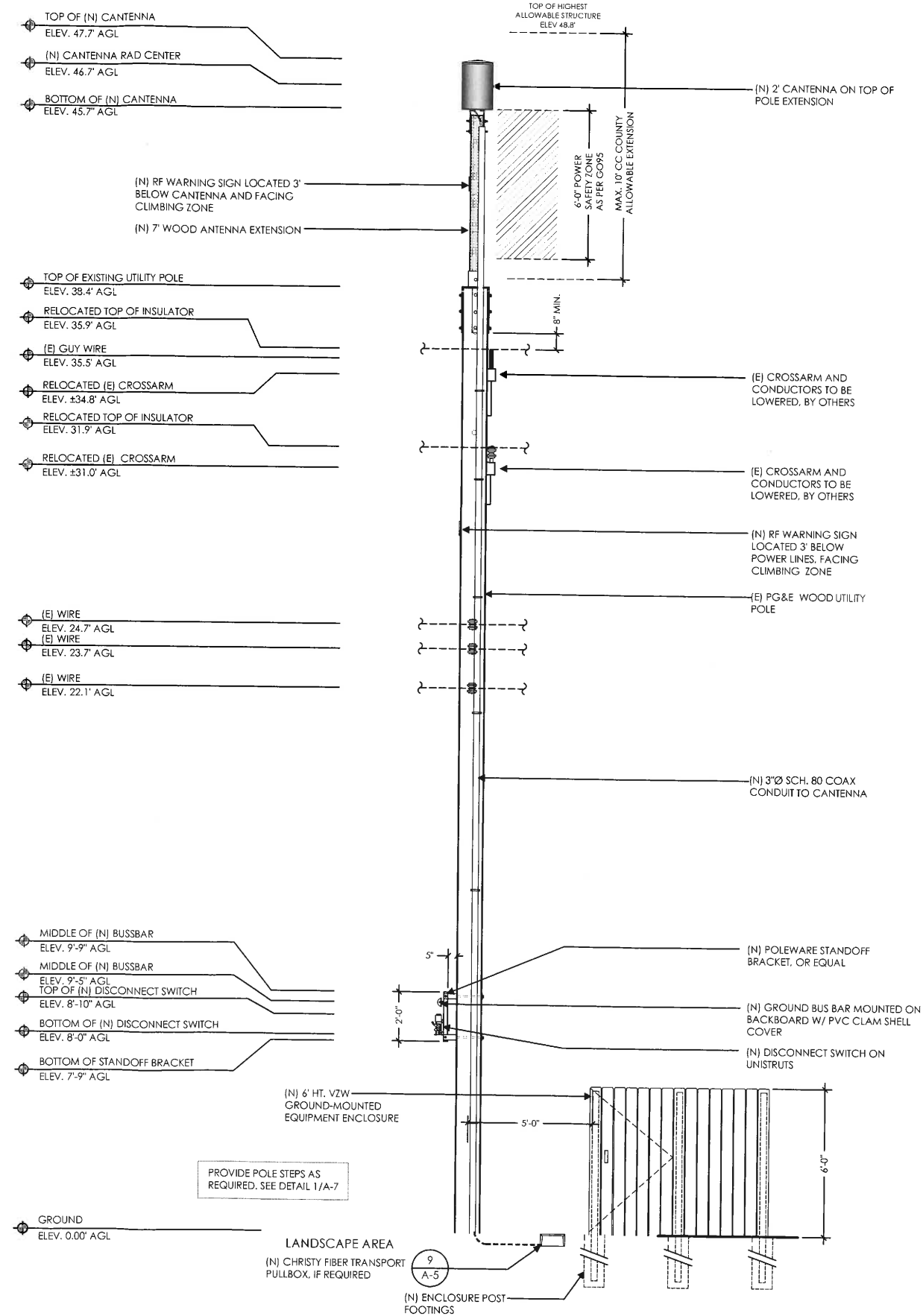
SOUTH ELEVATION - EXISTING



SCALE
3/8" = 1'-0"

1

SOUTH ELEVATION - PROPOSED



SCALE
3/8" = 1'-0"

2



Verizon Wireless
2785 Mitchell Drive, Suite 9
Walnut Creek, CA 94598

Client:



Project Architect:



Site Agent:

100% Construction Drawings

Drawing Phase:

SF ALAMO 013
(NEAR) 184 CREEKDALE RD
WALNUT CREEK, CA 94595

PSL #433679

Site Name:

Professional Seal:

It is a violation of law for any person, unless they are acting under the direction of a licensed Professional Architect/Engineer, to alter this document.

Rev.	Date	Description
01	07/08/17	Constr. Dwgs 90%
02	08/07/17	Constr. Dwgs 100%
03	10/05/17	Constr. Dwgs 100%
04	04/12/18	Constr. Dwgs 100%
05	06/04/18	Constr. Dwgs 100%

Project No.:

Date: 06/04/18 Job No.:

Scale: AS SHOWN CAD File:

Designed By: JG Checked: RB

ELEVATIONS

Sheet Title:

A.4

Sheet No.:

©Meridian Management LLC, 2018

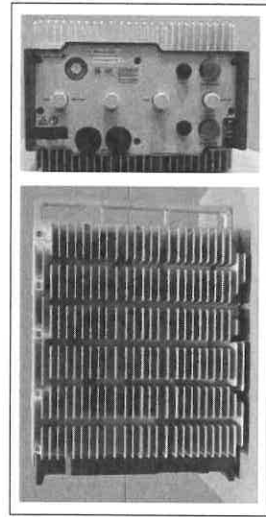
UNIT: ERICSSON RRUS4449 B5 B13 W/
PROTRUDING ITEMS

HEIGHT: 18 INCHES

WIDTH: 13.2 INCHES

LENGTH: 9.4 INCHES

WEIGHT: 70 LBS (EXCLUDES MOUNTING HARDWARE)



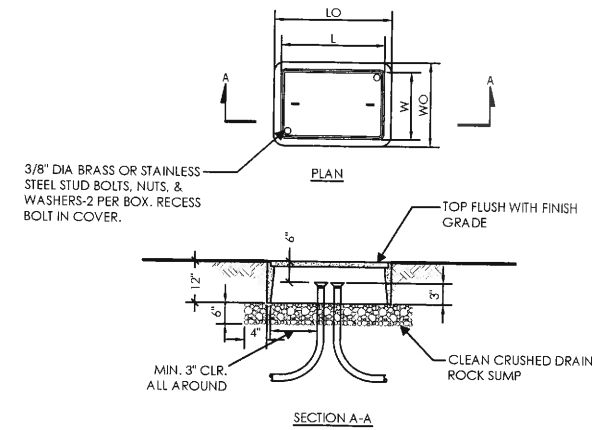
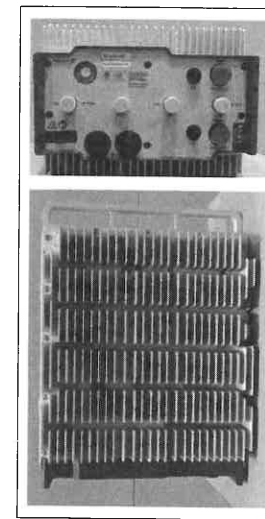
UNIT: ERICSSON RRUS8843 W/
PROTRUDING ITEMS

HEIGHT: 18 INCHES

WIDTH: 13.2 INCHES

DEPTH: 11.3 INCHES

WEIGHT: 75 LBS



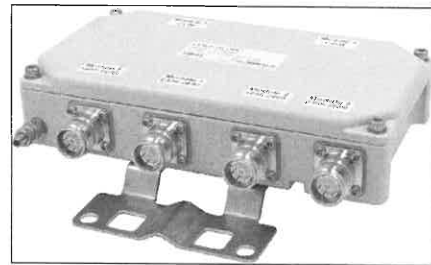
PULL BOX	CONCRETE BOX		COVER (PCC ONLY)	
	LO	WO	L	W
	30"	17"	25-3/8"	13-1/4"

RRUS4449

1 RRUS8843

6 PULL BOX

9



HEIGHT: 8.31 INCHES

WIDTH: 2.48 INCHES

DEPTH: 7.0 INCHES

WEIGHT: 4.4 LBS

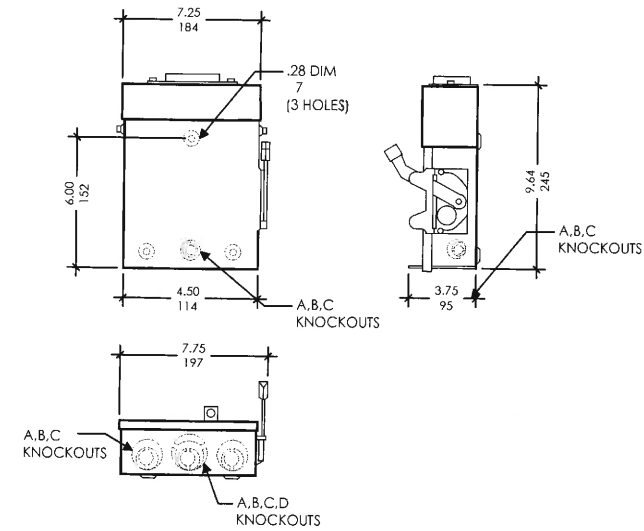
PSU AC 08 (100-250 V AC)

Technical Data	PSU AC 01	PSU AC 02	PSU AC 03	PSU AC 04	PSU AC 05	PSU AC 06	PSU AC 07	PSU AC 08
Default output voltage	-54.5 V DC	-54.5 V DC	-54.5 V DC	-54.5 V DC	-54.5 V DC	-54.5 V DC	-54.5 V DC	-54.5 V DC
Output voltage range	-42.0 to -58.5 V DC	-42.0 to -58.5 V DC	-42.0 to -58.5 V DC	-42.0 to -58.5 V DC	-42.0 to -58.5 V DC	-42.0 to -58.5 V DC	-42.0 to -58.5 V DC	-42.0 to -58.5 V DC
Output power	1,200 W / 1,800 W	700 W	700 W	1000 W	1000 W	1,200 W / 1,800 W	700 W	700 W
Height	43 mm	58 mm	43 mm	58 mm	100 mm	43 mm	58 mm	43 mm
Width	145 mm	330 mm	145 mm	274 mm	285 mm	145 mm	330 mm	145 mm
Depth	225 mm	179 mm	225 mm	180 mm	180 mm	225 mm	179 mm	225 mm
Weight	< 2.7 kg	3.2 kg	< 2.3 kg	3.2 kg	< 3.2 kg	< 2.2 kg	3.2 kg	3.2 kg

HEIGHT: 24.0 INCHES

DIAMETER: 14.6 INCHES

WEIGHT: 22.1 LBS (WITH MOUNTING BRACKET)



DIPLEXER

2 POWER SUPPLY UNIT (PSU)

4 CANTENNA

SCALE N.T.S. 7 DISCONNECT SWITCH

10

UNIT: 100 AMP METER
W/ TEST BYPASS

HEIGHT: 24 INCHES

WIDTH: 24 INCHES

DEPTH: 4-5/8 INCHES

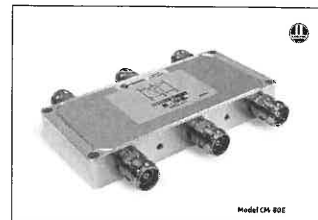


UNIT: 3X3 HYBRID COMBINER

LONG: 6.85 INCHES

WIDTH: 3.2 INCHES

THICKNESS: 1.48 INCHES



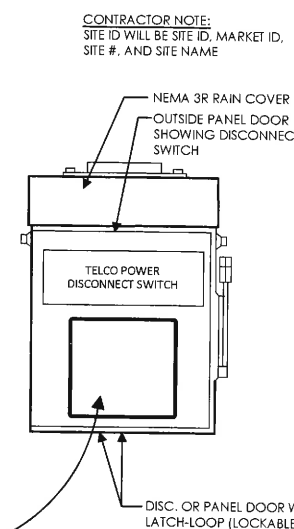
NOTE:
NEW PHENOLIC SIGN ATTACHED TO EXTERIOR PANEL

NORMAL SHUT-DOWN PROTOCOLS:

1. Call 800-264-6620 NOC 24 HRS prior to schedule a shutdown day and time.
2. Give NOC the Node number _____.
3. On scheduled day of shutdown, pull the disconnect handle to the "OFF" position.
4. Call NOC when work is completed.

EMERGENCY SHUT-DOWN PROTOCOLS:

1. Call 800-264-6620 NOC immediately.
2. Give NOC the Node number _____.
3. Pull the disconnect handle to the "OFF" position.
4. Call NOC when work is completed.



CONTRACTOR NOTE:
SITE ID WILL BE SITE ID, MARKET ID, SITE #, AND SITE NAME



ON WOOD POLES - SIGN ON ALUMINUM WITH SS SCREW TO THE POLE 3' BELOW ANTENNA

SIGN PLACEMENT:
AFFIX TO THE STRUCTURE 3'-4" BELOW THE COMMERCIAL RF ANTENNA(S) OR 3' BELOW LOWEST POWER WIRE

SIGN COLOR: YELLOW

CONTRACTOR NOTE:
SITE ID WILL BE SITE ID, MARKET ID, SITE #, AND SITE NAME

ELECTRIC METER

3 HYBRID COMBINER

5 DISCONNECT SIGNAGE

8 RF WARNING SIGNAGE

11

verizon

Verizon Wireless
2785 Mitchell Drive, Suite 9
Walnut Creek, CA 94598

Client:

Meridian Management LLC
785 Oak Grove Road E2
Suite 251
Concord, CA 94518
1 707.592.5924
www.meridian-management.com

Project Architect:

ON AIR

Wireless Site Acquisition &
Construction Management
465 First St. West, Suite 101
Sonoma, CA 95476
Phone: 707-933-9633
Fax: 707-933-9611

Site Agent:

100% Construction
Drawings

Drawing Phase:

SF ALAMO 013
(NEAR) 184 CREEKDALE RD
WALNUT CREEK, CA 94595

PSL #433679

Site Name:

Professional Seal:

It is a violation of law for any person,
unless they are acting under the direction
of a licensed Professional
Architect/Engineer, to alter this document.

Rev.	Date	Description
01	07/08/17	Constr. Dwgs 90%
02	08/07/17	Constr. Dwgs 100%
03	10/05/17	Constr. Dwgs 100%
04	04/12/18	Constr. Dwgs 100%
05	06/04/18	Constr. Dwgs 100%

Project No.:

Date: 06/04/18 Job No.:

Scale: AS SHOWN CAD File:

Designed By: JG Checked: RB

EQUIPMENT
DETAILS

Sheet Title:

A.5

Sheet No.:

©Meridian Management LLC, 2018

Client:

MM Meridian Management LLC
785 Oak Grove Road E2
Suite 251
Concord, CA 94518
1 707.592.5924
www.meridian.management

Project Architect:

ON AIR
Wireless Site Acquisition &
Construction Management
465 First St. West, Suite 101
Sonoma, CA 95476
Phone: 707-833-9633
Fax: 707-833-9611

Site Agent:

100% Construction
Drawings

Drawing Phase:

SF ALAMO 013

(NEAR) 184 CREEKDALE RD
WALNUT CREEK, CA 94595

PSL #433679

Site Name:

Professional Seal:

It is a violation of law for any person,
unless they are acting under the direction
of a licensed Professional
Architect/Engineer, to alter this document.

Rev.	Date	Description
01	07/08/17	Constr. Dwgs 90%
02	08/07/17	Constr. Dwgs 100%
03	10/05/17	Constr. Dwgs 100%
04	04/12/18	Constr. Dwgs 100%
05	06/04/18	Constr. Dwgs 100%

Project No.:

Date: 06/04/18 Job No.:

Scale: AS SHOWN CAD File:

Designed By: JG Checked: RB

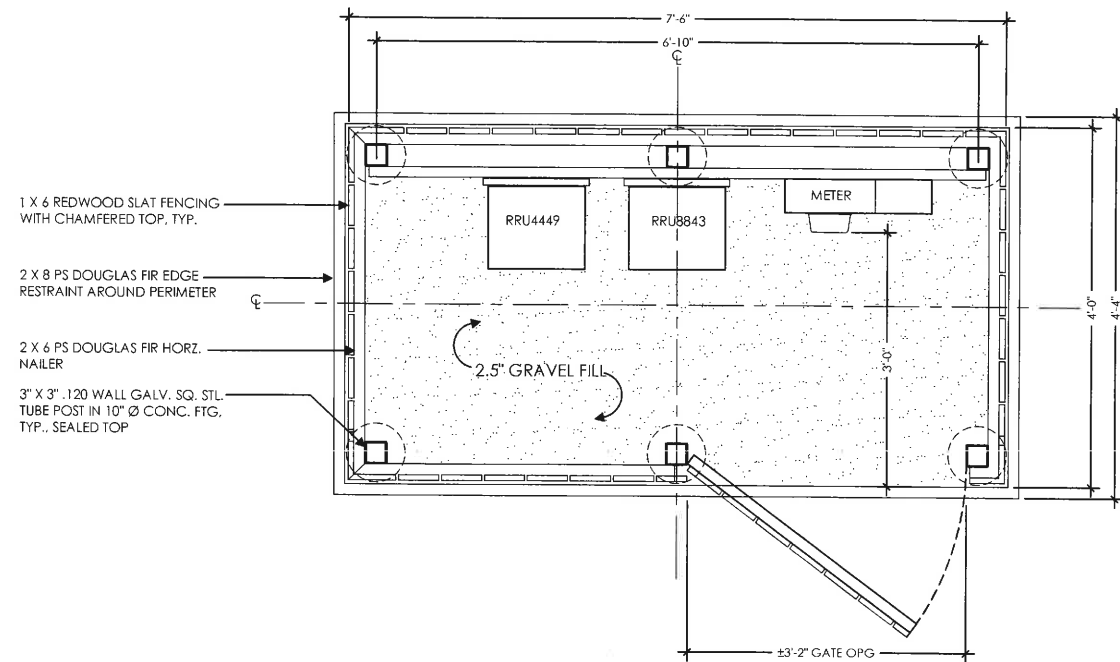
EQUIPMENT
DETAILS

Sheet Title:

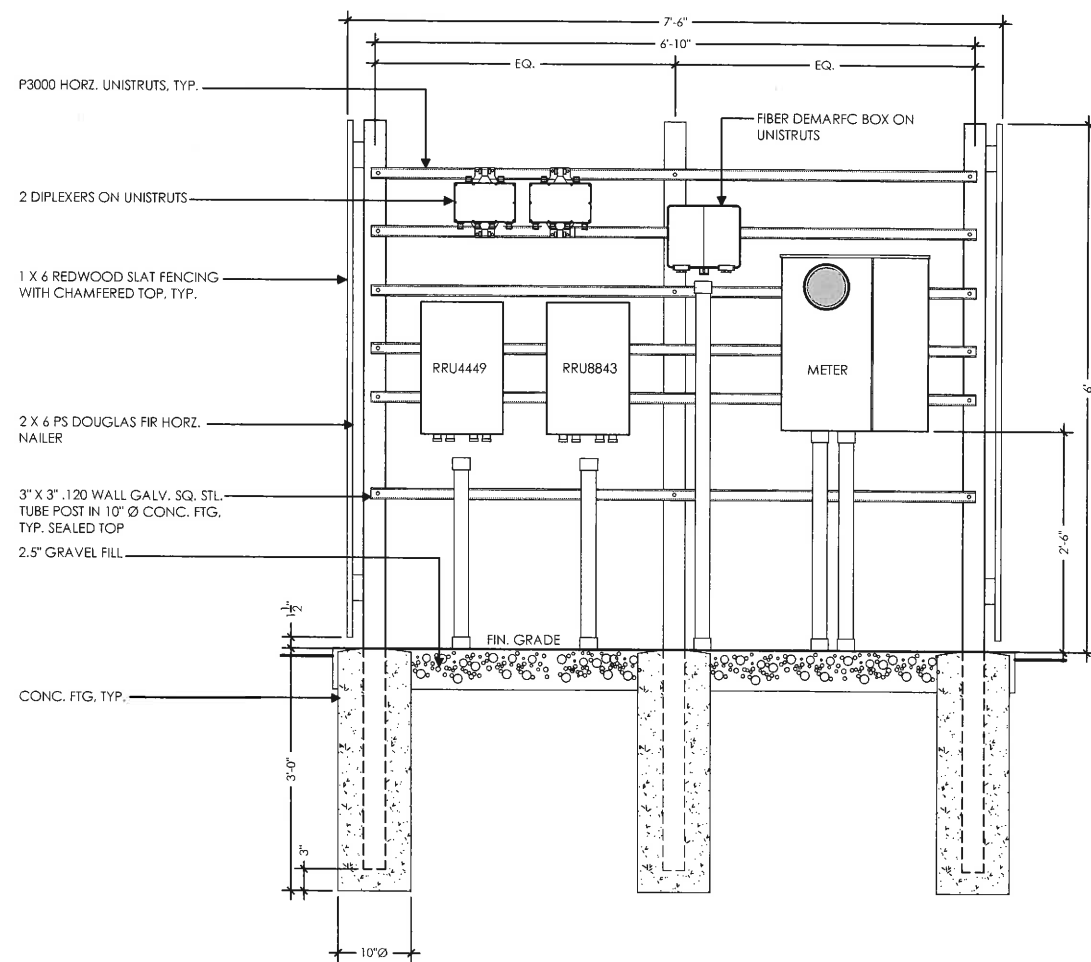
A.6

Sheet No.:

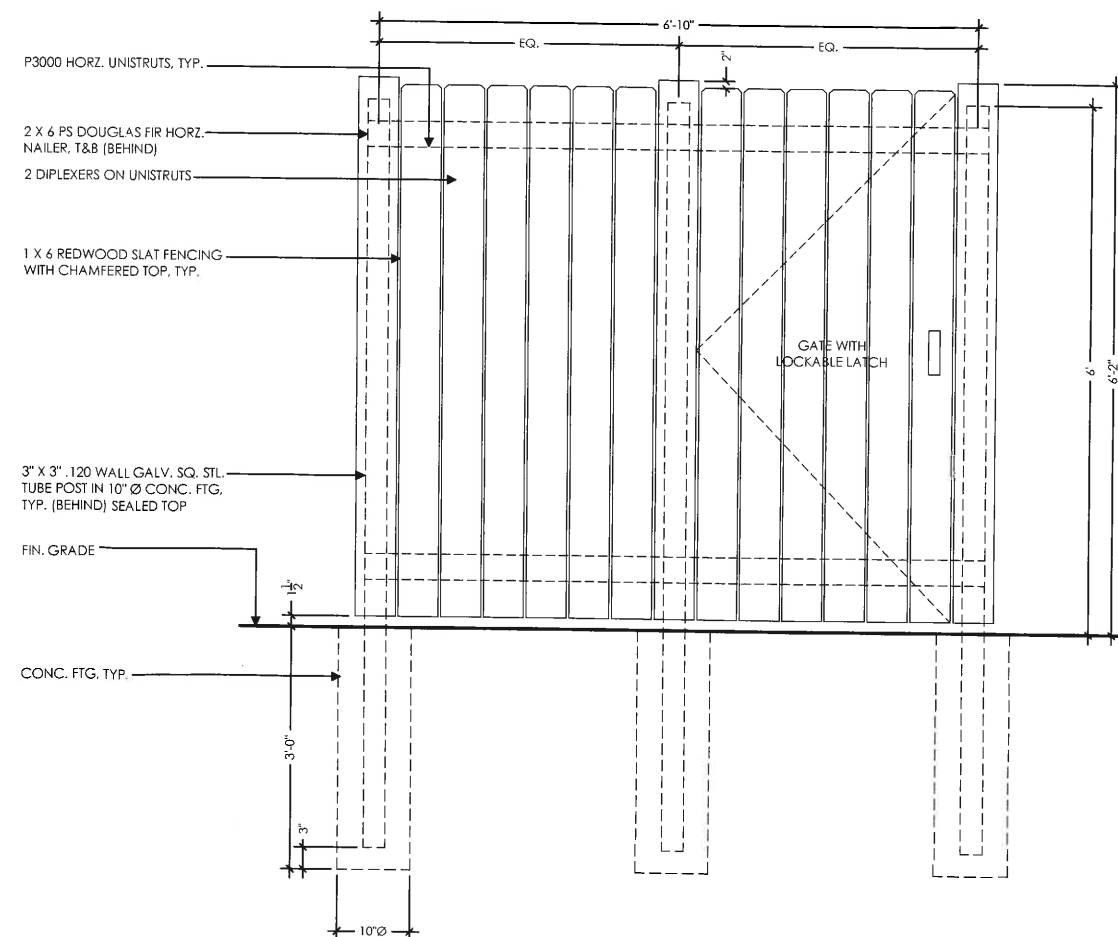
©Meridian Management LLC, 2018



PLAN VIEW



INSIDE ELEVATION



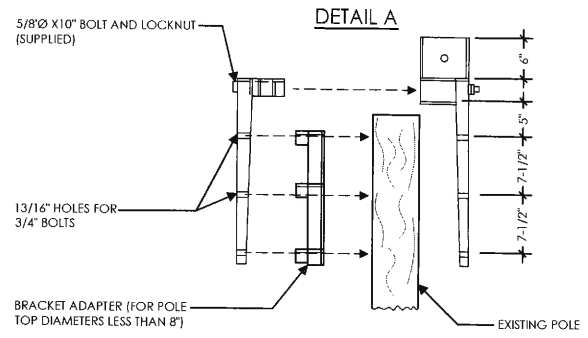
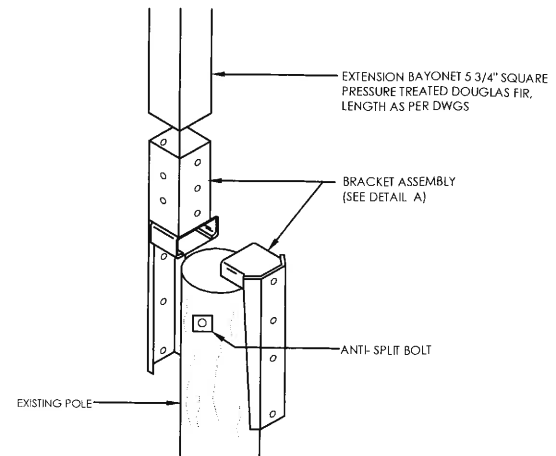
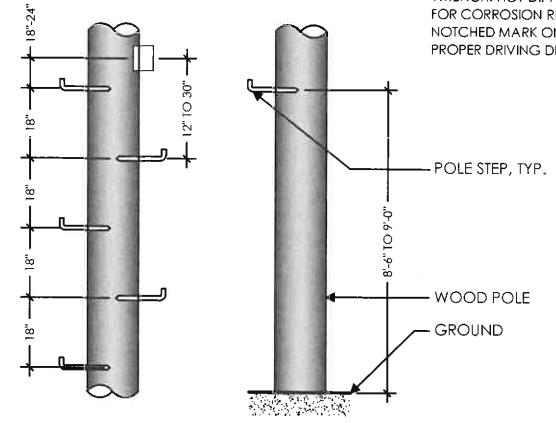
FRONT ELEVATION



STEP: POLE $\frac{5}{8}$ " X 10 INCH GALVANIZED
 WEIGHT PER 100: 99 LBS
 MANUFACTURER: AERIAL SERVICE COMPANY, INC.
 1-800-256-5186
 http://www.linemen-tools.com/
 J1118

MODEL #: J1118

DESCRIPTION: POLE STEPS ARE USED ON WOOD POLES WHERE FREQUENT ACCESS TO POLE MOUNTED EQUIPMENT IS REQUIRED. FLAT DRIVING SURFACE AND SHARP POINT EASE INSTALLATION. FEETER-DRIVE THREAD PERMITS REMOVAL WITH A WRENCH. HOT-DIPPED GALVANIZED FOR CORROSION RESISTANCE. NOTCHED MARK ON STEP INDICATES PROPER DRIVING DEPTH.



NOTE:
 (N) BRACKET ASSEMBLY TO BE PROVIDED BY UTILITY COMPANY AND PAINT TO MATCH

POLE STEPS

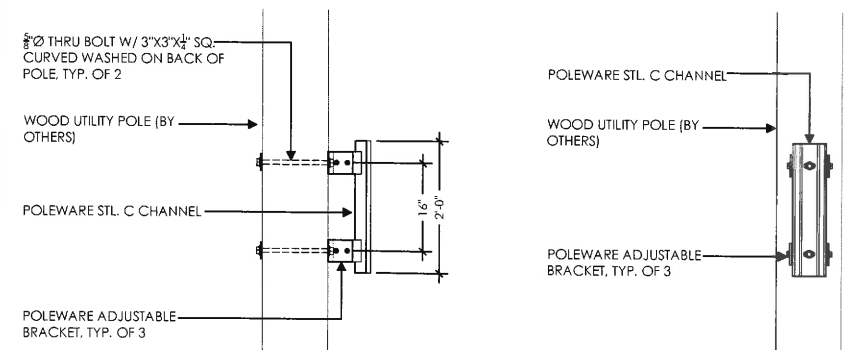
SCALE
 NOT TO SCALE

1

POLETOP WOOD EXTENSION AND BRACKET

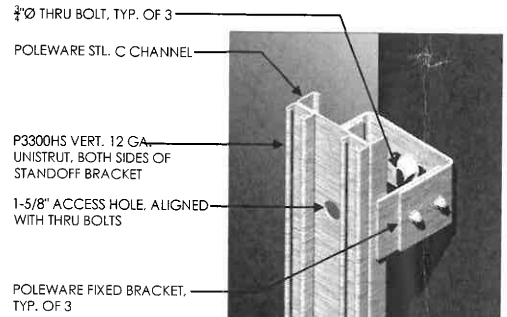
SCALE
 NOT TO SCALE

2

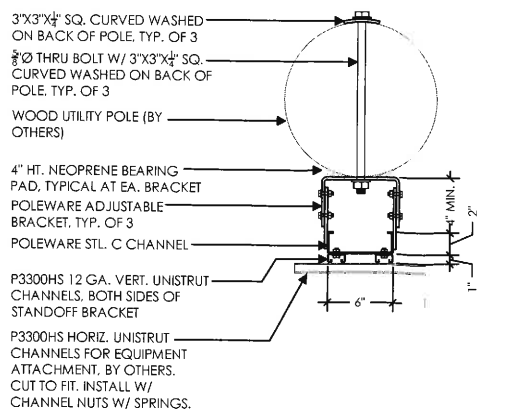


STANDOFF BRACKET SIDE ELEVATION

STANDOFF BRACKET FRONT ELEVATION



STANDOFF BRACKET ISO



STANDOFF BRACKET PLAN

NOTE:

1. STANDOFF BRACKET MODEL #PW-SQB-024L-SP-ST AS MFG. BY POLEWARE, LLC. (475) 215-5119, OR EQUAL
2. ALL COMPONENTS TO BE SHOP PRIMED PAINTED
3. UNISTRUT COMPONENTS TO BE MFG BY UNISTRUT CORPORATION, 1140 W. THORNDALE AVE., ITASCA IL, 60143, (800) 468-9510.
4. HORIZONTAL UNISTRUTS (P3300HS) FOR EQUIPMENT INSTALLATION NOT INCLUDED
5. ADJUSTABLE BRACKETS FOR SLANTED POLES AVAILABLE BY SPECIAL ORDER

STANDOFF BRACKET

SCALE
 NOT TO SCALE

3

CANTENNA ATTACHMENT BRACKET

ITEM #	PART #	DESCRIPTION	QTY.	UNIT	WT.(LBS)
1	PL-2341	1/4 3/4" TD x 12" BD x 10 1/2" TALL TAPERED SKIRT HALF	2	2.3	
2	WA-1481	13/8" x 8 1/2" 1" A36 PLATE W/DRANT	1	10.4	
3	PL-2342	3/8" X 3/4" X 1 1/2" A36 FORMED PLATE	2	4.1	
4	PL-1879	1/4" X 3/8" X 5/8" A36 ANTENNA ADAPTER	1	0.8	
5	WA-1146	3/8" X 1 1/2" 5/8" O.D. A36 TOP CAP W/DRANT	1	0.8	
6	50500	1/4-20 U-STYLE SPEED NUT	2	0.02	
7	70217	1/4" X 1" SS FLGD BUTTON-HD SCKT CAP SCR	2	0.02	
8	43010	3/8" LOCK WASHER, S.S.	6	0.01	
9	51995	3/8" JAM NUT, S.S.	3	0.02	
10	58001	3/8" HEX NUT, S.S.	3	0.02	
11	70223	3/8" X 1" SS FLGD BUTTON-HD SCKT CAP SCR	3	0.01	
12	70428	3/8" X 1 1/4" S.S. COUNTERSUNK SCKT HD SCREW	3	0.01	
13	94125	3/8" X 1" ROUND HEAD SLOTTED SCREW, TPU	2	0.01	
14	40020	1/2" FLAT WASHER, GALV.	14	0.04	
15	41020	1/2" LOCK WASHER, GALV.	4	0.01	
16	81344	1/2" X 10" A36 THREADED ROD ASSY, GALV.	2	0.7	
17	10030	1/2" X 1 3/4" A36 BOLT/NUT/W. GALV.	7	0.2	
18	91117	1 1/2" X 2 1/2" HEX LAG SCREW, GALV.	4	0.16	
TOTAL GALV. WT			43		

PROJECT: 17-0697 QTY: 1 CHG: KH CHK: BG

WESTERN UTILITY / TELECOM, INC.
 5032 S. GLEN DALLAS HWY
 SALEM, OR 97306
 Ph: 503-687-0701 Fax: 503-316-1884
 WesternUtilityTelecom.com

TOP MOUNT ANTENNA BRACKET
 WITH TAPERED SKIRT
 FITS ROUND OR SQ. WOOD POLES 4"-6"



Verizon Wireless
 2785 Mitchell Drive, Suite 9
 Walnut Creek, CA 94598

Client:



Project Architect:



Site Agent:

100% Construction Drawings

Drawing Phase:

SF ALAMO 013
 (NEAR) 184 CREEKDALE RD
 WALNUT CREEK, CA 94595

PSL #433679

Site Name:

Professional Seal:

It is a violation of law for any person, unless they are acting under the direction of a licensed Professional Architect/Engineer, to alter this document.

Rev.	Date	Description
01	07/08/17	Constr. Dwgs 90%
02	08/07/17	Constr. Dwgs 100%
03	10/05/17	Constr. Dwgs 100%
04	04/12/18	Constr. Dwgs 100%
05	06/04/18	Constr. Dwgs 100%

Project No.:

Date: 06/04/18 Job No.:

Scale: AS SHOWN CAD File:

Designed By: JG Checked: RB

EQUIPMENT DETAILS

Sheet Title:

A.7

Sheet No.:

©Meridian Management LLC, 2018

4



Verizon Wireless
2785 Mitchell Drive, Suite 9
Walnut Creek, CA 94598

Client:



Project Architect:



465 First St. West, Suite 101
Sonoma, CA 95476
Phone: 707-433-9633
Fax: 707-433-9611

Site Agent:

100% Construction Drawings

Drawing Phase:

SF ALAMO 013
(NEAR) 184 CREEKDALE RD
WALNUT CREEK, CA 94595

PSL #433679

Site Name:

Professional Seal:

It is a violation of law for any person, unless they are acting under the direction of a licensed Professional Architect/Engineer, to alter this document.

Rev.	Date	Description
01	07/08/17	Constr. Dwgs 90%
02	08/07/17	Constr. Dwgs 100%
03	10/05/17	Constr. Dwgs 100%
04	04/12/18	Constr. Dwgs 100%
05	06/04/18	Constr. Dwgs 100%

Project No.:

Date: 06/04/18 Job No.:

Scale: AS SHOWN CAD File:

Designed By: JG Checked: RB

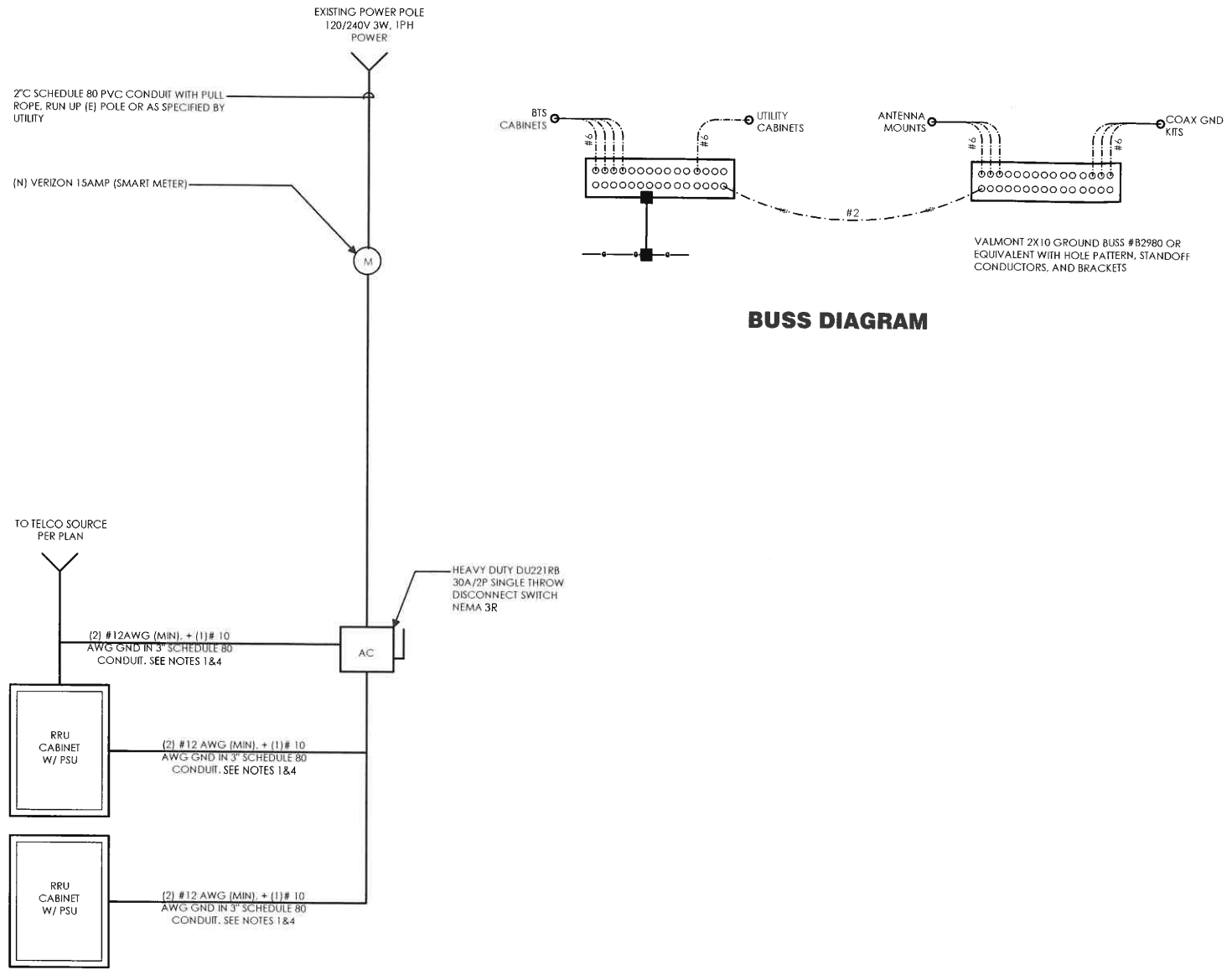
SINGLE LINE DIAGRAM
BUSS DIAGRAM
PANEL SCHEDULE

Sheet Title:

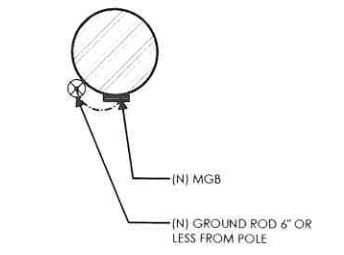
E.1

Sheet No.:

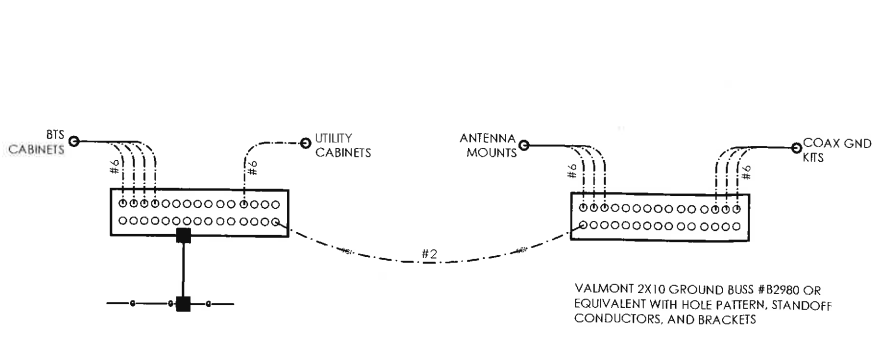
©Meridian Management LLC, 2018



SINGLE LINE DIAGRAM



GROUNDING PLAN



BUSS DIAGRAM

POWER AND TELCO NOTES:

- POWER AND TELCO POINTS OF CONNECTION AND ANY EASEMENTS ARE PRELIMINARY AND SUBJECT TO CHANGE BY THE UTILITY COMPANIES.
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR FINAL AND EXACT WORK/MATERIALS REQUIREMENTS AND CONSTRUCT TO UTILITY ENGINEERING PLANS AND SPECIFICATIONS ONLY WHERE APPLICABLE PER PROJECT SCOPE OF WORK.
- CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT, PULL WIRES, CABLE PULL BOXES, CONCRETE ENCASUREMENT OF CONDUIT, TRANSFORMER PAD, BARRIERS, POLE RISER TRENCHING, BACK FILL, AND UTILITY FEES, AND INCLUDE REQUIREMENTS IN SCOPE.
- CONTRACTOR SHALL LABEL ALL MAIN DISCONNECT SWITCHES AS REQUIRED BY CODE.

NOTES:

- SUBCONTRACTOR SHALL PROVIDE METER WITH DIST. PANEL AND BREAKERS FOR POWER TO THE BTS UNITS AND THE BTS/UTILITY CABINET.
- ALL SERVICE EQUIPMENT AND INSTALLATIONS SHALL COMPLY WITH THE N.E.C. AND UTILITY COMPANY AND LOCAL CODE REQUIREMENTS.
- SUBCONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE ENTRANCE EQUIPMENT WITH FAULT CURRENT RATINGS GREATER THAN THE AVAILABLE FAULT CURRENT FROM THE POWER UTILITY.
- FIELD ROUTE CONDUIT TO CABINETS AS REQUIRED.
- MAXIMUM ONE WAY CIRCUIT RUN NOT TO EXCEED 75 FEET.

GENERAL ELECTRICAL NOTES:

- PROVIDE ALL ELECTRICAL WORK & MATERIALS AS SHOWN ON THE DWGS. AS CALLED FOR HEREIN, & AS IS NECESSARY TO FURNISH A COMPLETE INSTALLATION.
- THE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT ADOPTED CALIFORNIA ELECTRICAL CODE, STATE OF CALIFORNIA TITLE24, ALL OTHER APPLICABLE CODES AND ORDINANCES & THE REQUIREMENTS OF THE FIRE MARSHALL. ALL EQUIPMENT & WIRING SHALL BEAR THE APPROVAL STAMP OF UNDERWRITERS LABORATORY (UL) OR AN APPROVED TESTING LABORATORY. PAYMENT FOR ALL INSPECTION FEES AND PERMITS ARE PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY AND GOOD CONDITION OF ALL MATERIALS & EQUIPMENT FOR THE ENTIRE INSTALLATION & UNIT COMPLETION OF WORK. ERECT & MAINTAIN APPROVED & SUITABLE BARRIERS, PROTECTIVE DEVICES & WARNING SIGNS. BE FULLY RESPONSIBLE FOR ANY LOSS OR INJURY TO PERSONS OR PROPERTY RESULTING FROM NEGLIGENCE AND/OR ENFORCEMENT OF ALL SAFETY PRECAUTIONS & WARNINGS.
- COORDINATE THE ELECTRICAL INSTALLATION WITH ALL OTHER TRADES.
- ALL SAW CUTTING, TRENCHING, BACK FILLING & PATCHING SHALL BE PART OF THIS CONTRACT.
- FINALIZE ALL ELECTRICAL SERVICE ARRANGEMENTS, INCLUDING VERIFICATION OF LOCATIONS, DETAILS, COORDINATION OF THE INSTALLATION & PAYMENT OF ACCRUED CHARGES WITH LOCAL POWER COMPANY. VERIFY LOCATION FOR FACILITIES & DETAILS WITH POWER UTILITY, IN ADDITION TO THE REQUIREMENTS SHOWN IN THE CONTRACT DOCUMENTS. WORK SHALL COMPLY WITH CONSTRUCTION STANDARDS & SERVICE REQUIREMENTS OF THE RESPECTIVE UTILITIES, INCLUDING ANY SUPPLEMENTAL DWGS ISSUED & SHALL BE SUBJECT TO APPROVAL OF THESE UTILITIES.
- ALL WIRING SHALL BE COPPER. INSULATION FOR BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE "THWN" CONDUCTORS LARGER AND #6 AWG MAY BE TYPE "THWN" OR "TWN".
- PROVIDE CONDUIT SEALS FOR ALL CONDUITS PENETRATING WEATHERPROOFING OR WEATHERPROOF ENCLOSURE ENVELOPE. MASTIC SEAL ALL CONDUIT OPENING PENETRATIONS COMPLETELY WATERTIGHT.
- UNLESS SHOWN OTHERWISE, FUSED DISCONNECT SWITCHES SHALL BE PROVIDED WITH LOW-PEAK, S/DUAL ELEMENT FUSES SIZED TO EQUIPMENT NAMEPLATE FUSE CURRENT RATING. MOTOR STARTERS SHALL BE PROVIDED WITH SIMILARLY SIZED FUSIBLE ELEMENTS, SWITCHES AND OTHER OUTDOOR EQUIPMENT SHALL BE RATED NEMA 3R AND/OR UL LISTED FOR WET ENVIRONMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING THE GROUNDING SYSTEM AND ENSURING A 5 OHM OR LESS GROUNDING PATH. ADDITIONAL GROUND RODS AND/OR CHEMICAL ROD SYSTEM SHALL BE USED TO ACHIEVE THIS REQUIREMENT IF THE GIVEN DESIGN CANNOT BE MADE TO ACHIEVE THIS REQUIREMENT.

LOAD CALCULATIONS - VERIZON WIRELESS

EXISTING LOAD: 0 AMPS
NEW LOAD: 6.67 AMPS MAX.
NEW TOTAL LOAD: 6.67 AMPS MAX.

POWER AND TELCO DESIGN IS BASED ON INITIAL SITE VISIT.

CONTRACTOR SHALL OBTAIN CURRENT UTILITY COORDINATOR PLANS PRIOR TO START OF CONSTRUCTION.

AVAILABLE FAULT CURRENT PER UTILITY.

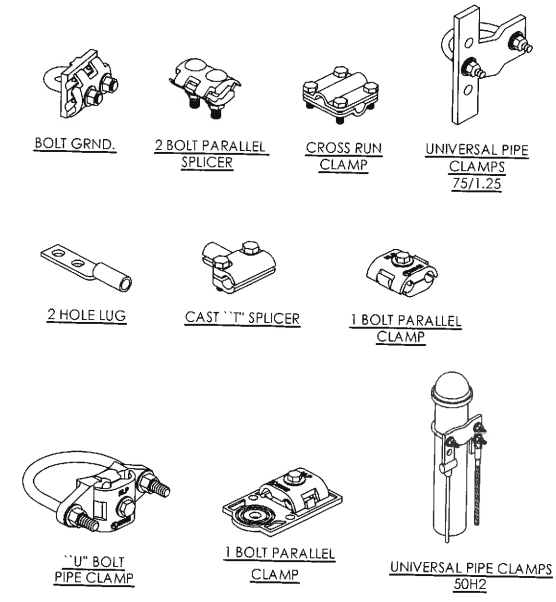
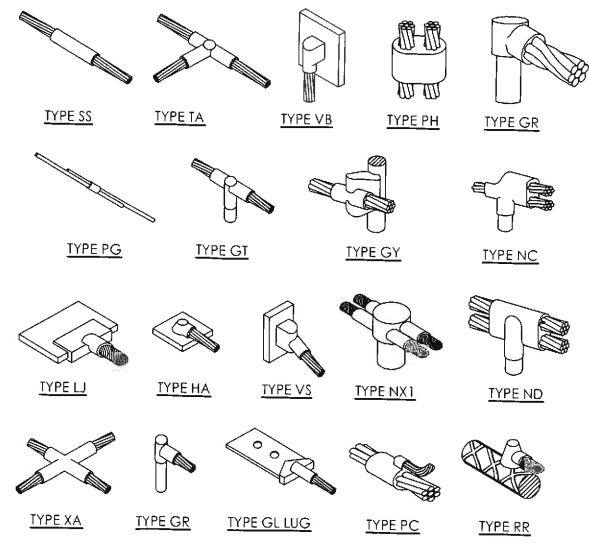
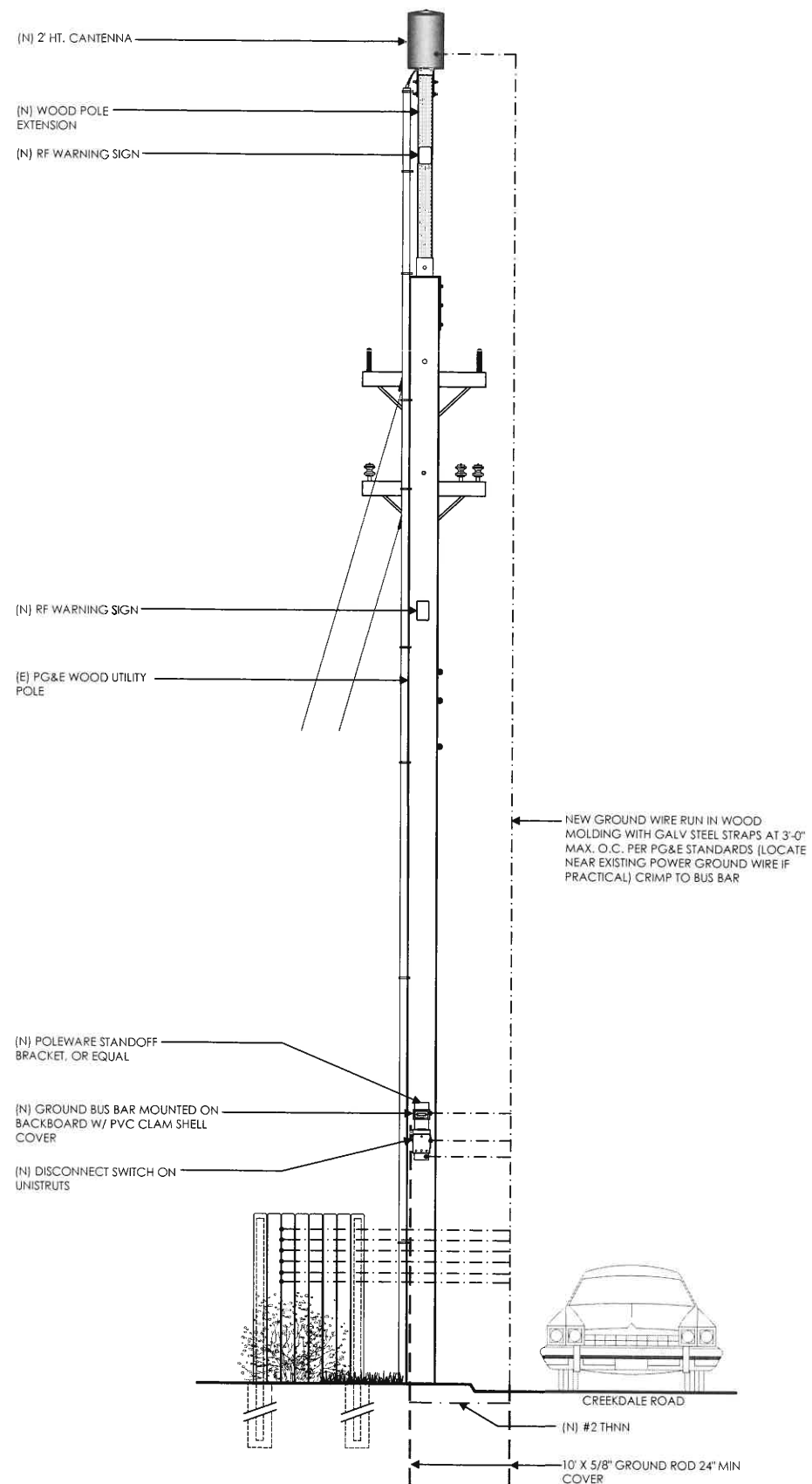
NOTE: CONTRACTOR TO CHECK WITH UTILITY TO ENSURE ELEC. METER IS BRACED FOR ACTUAL FAULT CURRENT.

* 1. MOUNT PER MANUFACTURER'S RECOMMENDATIONS.
* 2. E.C. SHALL MODIFY BRANCH CIRCUIT ARRANGEMENT AS SHOWN IN THE PANEL SCHEDULE
* 3. MAIN ACB INSTALLED BY MANUFACTURER

TO 100 AMP METER SOCKET **

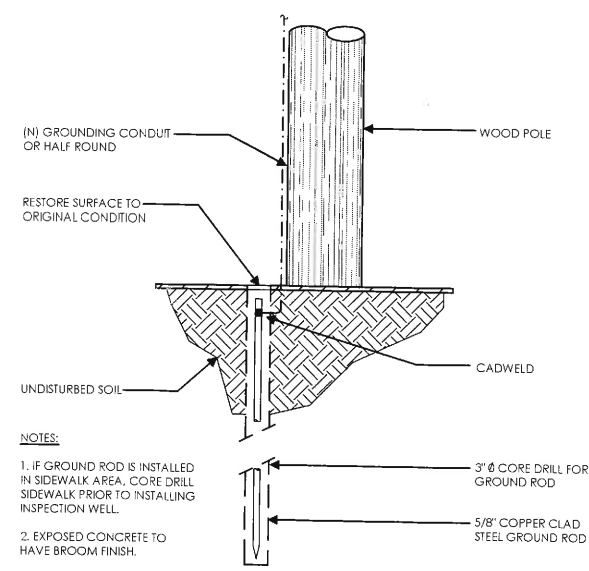
LOAD										LOAD PER PHASE (A-B-C)										LOAD									
DESCRIPTION	AMPERES	PHASE	TYPE	WIRE	TRIP	FUSES	AMPERES	A.W.G.	WIRE TYPE	PHASE	AMPERES	PHASE	AMPERES	PHASE	AMPERES	PHASE	AMPERES	PHASE	AMPERES	PHASE	AMPERES	PHASE	AMPERES	PHASE	AMPERES	PHASE			
1	10	PHASE					10	10000	THWN	A	10	B	10	C	10	10	10	10	10	10	10	10	10	10	10	10	10		
3	10	PHASE					10	10000	THWN	A	10	B	10	C	10	10	10	10	10	10	10	10	10	10	10	10	10		
5	10	PHASE					10	10000	THWN	A	10	B	10	C	10	10	10	10	10	10	10	10	10	10	10	10	10		
7	10	PHASE					10	10000	THWN	A	10	B	10	C	10	10	10	10	10	10	10	10	10	10	10	10	10		
9	10	PHASE					10	10000	THWN	A	10	B	10	C	10	10	10	10	10	10	10	10	10	10	10	10	10		

PANEL SCHEDULE -- PANEL " PP "



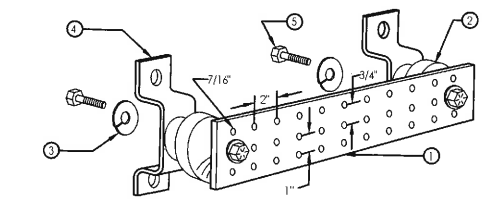
EXOTHERMIC WELD CONNECTION

MECHANICAL CONNECTION



NOTES:

1. IF GROUND ROD IS INSTALLED IN SIDEWALK AREA, CORE DRILL SIDEWALK PRIOR TO INSTALLING INSPECTION WELL.
2. EXPOSED CONCRETE TO HAVE BROOM FINISH.

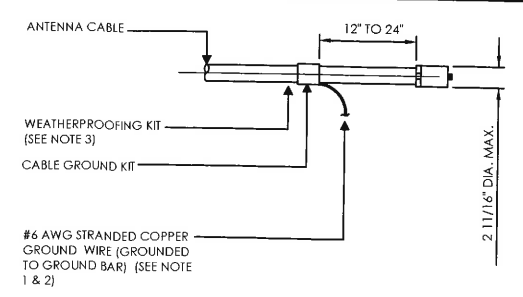


NOTES:

1. GALVANIZED STEEL GROUND BAR, HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION. (ACTUAL GROUND BAR SIZE WILL VARY BASED ON NUMBER OF GROUND CONNECTIONS)
2. INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4 OR APPROVED EQUAL
3. 5/8\"/>

POLE GROUNDING ROD

SCALE
N.T.S.

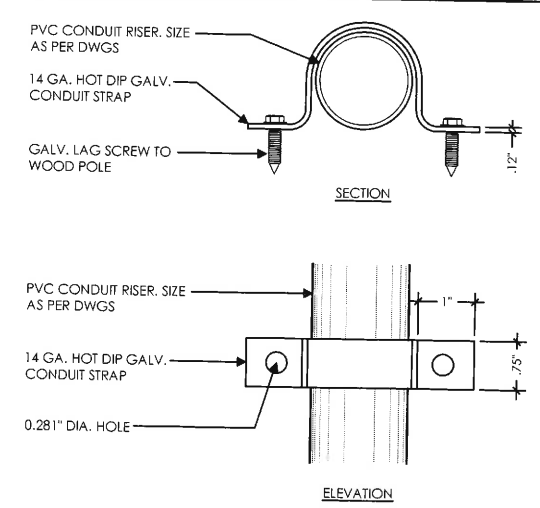


NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE (TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.)

BUSS BAR

SCALE
N.T.S.



POLE GROUNDING RISER DIAGRAM (TYP.)

SCALE
N.T.S.

CONN. OF CABLE GND KIT TO ANT.

SCALE
N.T.S.

POLE CONDUIT STRAP

SCALE
N.T.S.



Verizon Wireless
2785 Mitchell Drive, Suite 9
Walnut Creek, CA 94598

Client:

MM Meridian Management LLC
785 Oak Grove Road E2
Suite 251
Concord, CA 94518
T 707.592.5924
www.meridian.management

Project Architect:

ON AIR
Wireless Site Acquisition &
Construction Management
485 First St., West, Suite 101
Sanoma, CA 95476
Phone: 707-933-8633
Fax: 707-933-8611

Site Agent:

100% Construction Drawings

Drawing Phase:

SF ALAMO 013
(NEAR) 184 CREEKDALE RD
WALNUT CREEK, CA 94595

PSL #433679

Site Name:

Professional Seal:

It is a violation of law for any person, unless they are acting under the direction of a licensed Professional Architect/Engineer, to alter this document.

Rev.	Date	Description
01	07/08/17	Constr. Dwgs 90%
02	08/07/17	Constr. Dwgs 100%
03	10/05/17	Constr. Dwgs 100%
04	04/12/18	Constr. Dwgs 100%
05	06/04/18	Constr. Dwgs 100%

Project No.:

Date: 06/04/18 Job No.:

Scale: AS SHOWN CAD File:

Designed By: JG Checked: RB

ELECTRICAL DETAILS

Sheet Title:

E.2

Sheet No.:

©Meridian Management LLC, 2018



Verizon Wireless
2785 Mitchell Drive, Suite 9
Walnut Creek, CA 94598

Client:

MM Meridian Management LLC
785 Oak Grove Road E2
Suite 251
Concord, CA 94518
T 707.592.5924
www.meridianmanagement.com

Project Architect:



465 First St. West, Suite 101
Sonoma, CA 95476
Phone: 707-833-9633
Fax: 707-833-9611

Site Agent:

100% Construction
Drawings

(E) LIGHT POLE
Drawing Phase:

SF ALAMO 013

(NEAR) 184 CREEKDALE RD
WALNUT CREEK, CA 94595

PSL #433679

Site Name:

Professional Seal:

It is a violation of law for any person,
unless they are acting under the direction
of a licensed Professional
Architect/Engineer, to alter this document.

Rev.	Date	Description
01	07/08/17	Constr. Dwg 90%
02	08/07/17	Constr. Dwg 100%
03	10/05/17	Constr. Dwg 100%
04	04/12/18	Constr. Dwg 100%
05	06/04/18	Constr. Dwg 100%

Project No.:

Date: 06/04/18 Job No.:

Scale: AS SHOWN CAD File:

Designed By: JG Checked: RB

SITE SPECIFIC VEHICLE
TRAFFIC CONTROL PLAN

Sheet Title:

TC.1

Sheet No.:

© Meridian Management LLC, 2018

DOT NOTES:

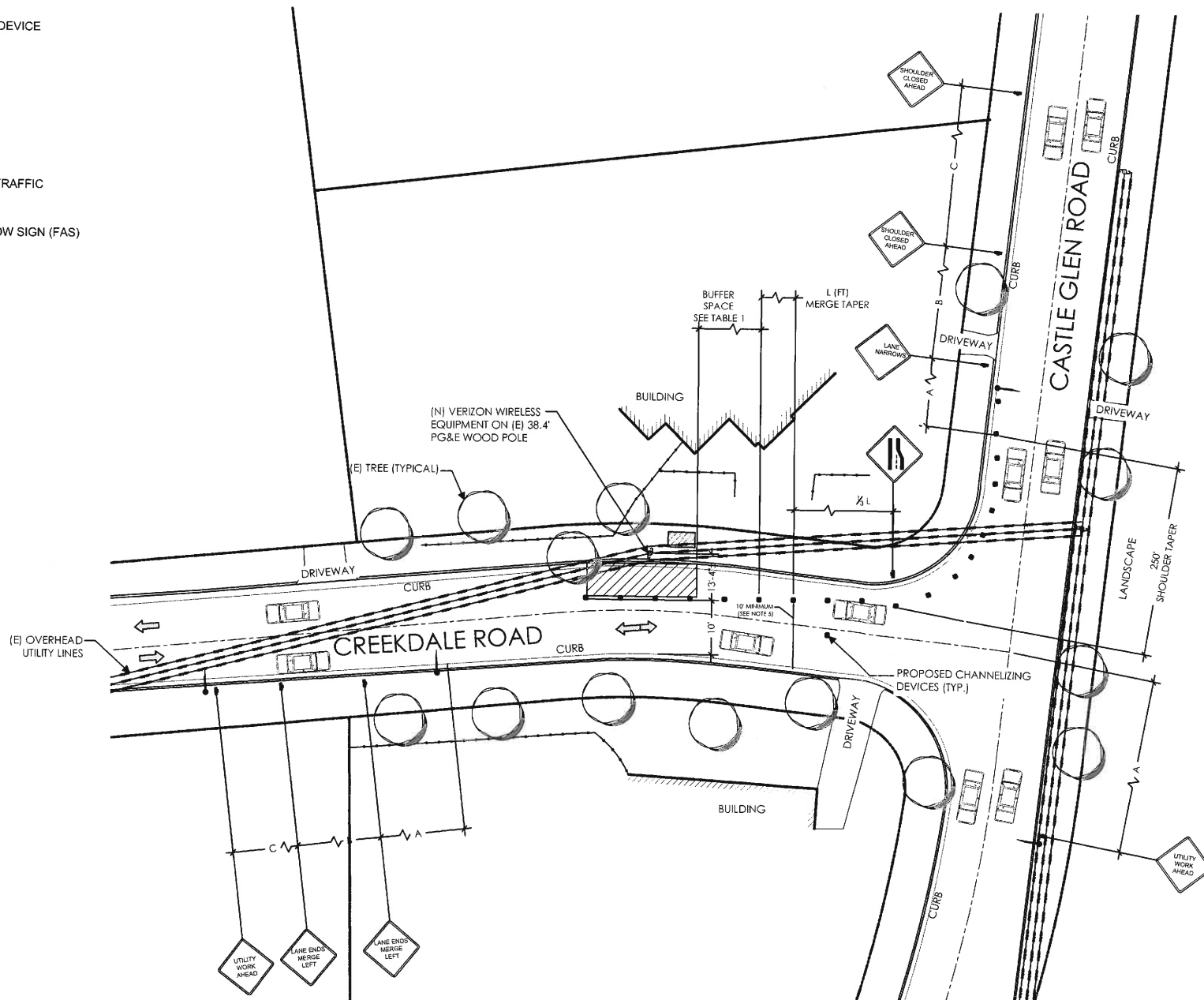
1. WHEN LANE CLOSURE IS REQUIRED, THE TRAFFIC CONTROL PLAN SHOULD BE PROVIDED AND NOTARIZED BY AN INDIVIDUAL/COMPANY THAT HAS FLAGGER CONTROL TRAINING CERTIFICATION.
2. "BLUE-LIGHTS" (OFF-DUTY POLICE OFFICERS) WILL BE ON SITE FOR LANE CLOSURES AND IF REQUIRED.

PLAN NOTES:

1. PLANS DEPICTED ARE GENERAL GUIDELINES FOR TEMPORARY VEHICULAR TRAFFIC CONTROL PLANS (TCP) TO INCLUDE PEDESTRIAN AND WORKER SAFETY. CONTRACTOR IS REQUIRED TO HAVE PREPARED A SITE-SPECIFIC TCP FOR REVIEW AND APPROVAL BY THE HIGHWAY AUTHORITY HAVING JURISDICTION. IF REQUIRED, THE FIRM PREPARING THE TCP SHALL BE AUTHORIZED OR CERTIFIED BY THE AUTHORITY HAVING JURISDICTION.
2. EXTEND CHANNELIZATION DEVICES INTO SHOULDER WHERE APPLICABLE.
3. DISTANCES AS INDICATED IN TABLE 1 SHOULD BE INCREASED FOR CONDITIONS THAT WOULD AFFECT STOPPING. DISTANCE SUCH AS DOWNGRADES OR LIMITED SIGHT DISTANCES. DISTANCES CAN BE DECREASED FOR LOW-SPEED (RESIDENTIAL) AREAS WITH APPROVAL BY THE AUTHORITY HAVING JURISDICTION. NIGHT-TIME WORK IS PROHIBITED UNLESS IT IS REQUIRED AS A CONDITION OF APPROVAL BY THE HIGHWAY AND LOCAL AUTHORITY HAVING JURISDICTION.
4. SHOULDER TAPERS SHOULD BE 1/3 OF THE ON-STREET TAPER LENGTH.
5. MAINTAIN A MINIMUM LANE WIDTH OF 10'.

LEGEND

- CHANNELIZING DEVICE
- SIGN
- WORK SPACE
- FLAGGER
- DIRECTION OF TRAFFIC
- FLASHING ARROW SIGN (FAS)



SIGN FLAGGER

TABLE 1

POSTED SPEED (MPH)	DISTANCE BETWEEN SIGNS			TAPER	BUFFER
	A	B	C	L (SEE NOTE)	
15	100'	100'	100'	45'	100'
20	100'	100'	100'	80'	115'
25	100'	100'	100'	125'	155'
30	200'	200'	200'	180'	200'
35	200'	200'	200'	245'	250'
40	350'	350'	350'	320'	305'
45	350'	350'	350'	540'	360'
50	500'	500'	500'	600'	425'
55	500'	500'	500'	660'	495'
60	500'	500'	500'	720'	570'
65	500'	500'	500'	780'	645'

NOTES:
A) DISTANCES IN FEET UNLESS OTHERWISE NOTED.
B) CONTRACTOR TO VERIFY EXISTING SPEED LIMIT.
C) DISTANCES SHOWN ARE NOT VALID FOR LIMITED ACCESS HIGHWAYS. CONSULT STATE DOT MANUAL FOR DISTANCES.
D) ADJUST DISTANCES TO COMPLY WITH REQUIREMENT OF THE STATE OR LOCAL HIGHWAY AUTHORITY HAVING JURISDICTION. SEE NOTE 1, SHEET TC-2.
E) TAPER LENGTHS SHOWN BASED ON 12' LANE WIDTH.

