

SITE INFORMATION	
POLE OWNER: ADDRESS:	PACIFIC GAS & ELECTRIC 245 MARKET ST., MAIL CODE N10D SAN FRANCISCO, CA 94105 CONTACT: DAVID ZENNER PH: (415) 847-0283
APPLICANT: ADDRESS:	VERIZON WIRELESS 2785 MITCHELL DRIVE, BLDG. 9 WALNUT CREEK, CA 94598
LATITUDE (NAD 83):	36° 33' 0.26" N
LONGITUDE (NAD 83):	121° 55' 40.43" W
GROUND ELEVATION:	±63.40' AMSL
ZONING JURISDICTION:	CITY OF CARMEL
PROPOSED USE:	UNMANNED TELECOMMUNICATIONS FACILITY

PROJECT TEAM	
APPLICANT: VERIZON WIRELESS 2785 MITCHELL DRIVE, BLDG. 9 WALNUT CREEK, CA 94598 CONTACT: MICHELLE MARTINEA PHONE: (925) 588-9840 EMAIL: michelle.martinea@verizonwireless.com	SITE ACQUISITION: SEQUOIA DEPLOYMENT SERVICES, INC. 22471 ASPAN ST., SUITE #290 LAKE FOREST, CA 92630 CONTACT: CHELSEA MANUTO PHONE: (760) 445-1985 EMAIL: chelsea.manuto@sequoia-ds.com
RF ENGINEER: VERIZON WIRELESS 2785 MITCHELL DRIVE, BLDG. 9 WALNUT CREEK, CA 94598 CONTACT: DEWAYNE BONHAM PHONE: (510) 414-8896 EMAIL: dewayne.bonham@verizonwireless.com	CONSTRUCTION: SEQUOIA DEPLOYMENT SERVICES, INC. 22471 ASPAN ST., SUITE #290 LAKE FOREST, CA 92630 CONTACT: PETE SHUBIN PHONE: (714) 478-3197 EMAIL: pete.shubin@sequoia-ds.com
ARCHITECT/ENGINEERING: CELLSITE CONCEPTS 10650 SCRIPPS RANCH BLVD., SUITE 224 SAN DIEGO, CA 92131 CONTACT: REGGIE GABRIEL PHONE: (619) 200-7190 EMAIL: reggie.gabriel@cellsite.net	ZONING: SEQUOIA DEPLOYMENT SERVICES, INC. 22471 ASPAN ST., SUITE #290 LAKE FOREST, CA 92630 CONTACT: MICHAEL NAZAROFF PHONE: (562) 237-6380 EMAIL: michael.nazaroff@sequoia-ds.com

TRAFFIC CONTROL NOTE
THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11"x17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM OF FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A ROAD OR ALLEY CLOSURE.



DRAWING INDEX	
SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
T-2	NOTES AND SPECIFICATIONS
LS-1	TOPOGRAPHIC SURVEY
A-1	SITE PLAN
A-2	ENLARGED SITE PLAN AND EQUIPMENT / ANTENNA LAYOUTS
A-3	ARCHITECTURAL ELEVATIONS
A-4	ARCHITECTURAL ELEVATIONS
A-5	DETAILS
A-6	DETAILS
E-1	ELECTRICAL NOTES AND SINGLE LINE DIAGRAM
E-2	ELECTRICAL AND GROUNDING DETAILS

PROJECT DESCRIPTION
THE PROJECT CONSISTS OF INSTALLATIONS OF TELECOMMUNICATIONS EQUIPMENT FOR VERIZON WIRELESS TO COLLOCATE ON EXISTING PG&E POLE. THE INSTALLATIONS ENTAILS:
<ul style="list-style-type: none">• INSTALL (1) PROPOSED VERIZON WIRELESS 4'-0" HIGH ANTENNA ON POLE• INSTALL (1) PROPOSED VERIZON WIRELESS 7'-0" HIGH POLE TOP EXTENSION• INSTALL (1) PROPOSED VERIZON WIRELESS EQUIPMENT STANDOFF• INSTALL (1) PROPOSED VERIZON WIRELESS EQUIPMENT SHROUD WITH REMOTE RADIO UNITS (RRU), DIPLEXER(S), PSU(S) AND FIBER DEMARC.• INSTALL (1) PROPOSED VERIZON WIRELESS SMART POLE METER• INSTALL (1) PROPOSED VERIZON WIRELESS DISCONNECT SWITCH AND DISTRIBUTION PANEL ON EQUIPMENT STANDOFF• INSTALL ASSOCIATED CABLING AND GROUNDING

APPLICABLE CODES
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.
<ul style="list-style-type: none">• CALIFORNIA ADMINISTRATIVE CODE (INCL TITLE 24 & 25)• 2016 CALIFORNIA BUILDING CODE• LOCAL BUILDING CODE• CITY/COUNTY ORDINANCES• ANSI/EIA-222-G LIFE SAFETY CODE NFPA-101• 2016 CALIFORNIA ELECTRICAL CODE• CA PUBLIC UTILITIES COMMISSION ORDER (GO 95 AND GO 128)

PROJECT TYPE: POLYGON

SOUTH CARMEL 001

IFO A2 LOT 11 SAN ANTONIO AVE.,

CARMEL, CA 93923

LOCATION CODE: 428216

SITE: (PG&E POLE # 110293014)

GENERAL NOTES		
1. LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES OR STRUCTURES NOT SHOWN OR NOT IN THE LOCATION SHOWN ON THE DRAWINGS.	10. CONTRACTOR SHALL NOTIFY THE JURISDICTION A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10 FEET OF ALL SEWER, WATER, AND STORM DRAIN MAIN INCLUDING ALL CROSSINGS.	21. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS EQUIPMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
2. THE CONTRACTORS SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.	11. "PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN PUBLIC RIGHT-OF-WAY, SATISFACTORY TO THE PERMIT-ISSUING AUTHORITY.	22. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
3. APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS BEEN ISSUED.	12. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE CITY FIELD ENGINEERING DIVISION PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARK-OUTS AND SURVEYING.	23. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT.
4. UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE ENGINEERING DEPARTMENT.	13. MANHOLES OR COVERS SHALL BE LABELLED "NAME OF COMPANY".	24. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
5. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT FROM DAMAGING EXISTING IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE. CONTRACTOR SHALL, AT HIS OWN EXPENSE, REPAIR, REPLACE OR RECONSTRUCT ALL SUCH IMPROVEMENTS OR OTHER STRUCTURES DAMAGED BY HIS WORK, TO THE ENGINEER'S SATISFACTION.	14. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROGRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES. THE PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD.	25. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED/DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK, SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT OR ENGINEER AT COMPLETION OF PROJECT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FILE LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR. A CORNER RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FIELD AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE JURISDICTION'S FIELD SURVEY DIVISION MUST BE NOTIFIED, IN WRITING, AT LEAST 3 DAYS FROM OCCURRENCE. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.	15. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.	26. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH THE CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1 FOOT MINIMUM VERTICAL CLEARANCE.	16. THE CONTRACTOR SHALL VERIFY LOCATION ALL EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS & WATER SERVICES TO INDIVIDUAL LOTS OF BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENTS OPERATIONS.	
8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.	17. LOCATION AND ELEVATIONS OF IMPROVEMENTS, TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK.	
9. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPPING DAMAGED DURING CONSTRUCTION.	18. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.	
	19. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.	
	20. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY ORDERS.	

ACCESSIBILITY NOTE
THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS NEW.
THE TELECOMMUNICATIONS EQUIPMENT SPACE SHOWN ON THESE PLANS IS NOT CUSTOMARILY OCCUPIED. WORK TO BE PERFORMED IN THIS FACILITY CANNOT REASONABLY BE PERFORMED BY PERSONS WITH A SEVERE IMPAIRMENT: MOBILITY, SIGHT, AND/OR HEARING. THEREFORE, PER 2016 CALIFORNIA BUILDING CODE SECTION 1105B.3.4, AND/OR 11B-203.5 OF 2016 CALIFORNIA BUILDING CODE, EXCEPTION 1, THIS FACILITY SHALL BE EXEMPTED FROM ALL TITLE 24 ACCESS REQUIREMENTS.

DO NOT SCALE DRAWINGS
SUBCONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD 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.

Dig Alert

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

SEQUOIA

DEPLOYMENT SERVICES, INC.
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concepts

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SAN DIEGO, CA 92131
tel: (858) 433-7173 / (858) 433-7176

C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S SET
A	01/30/2019	90% CD'S SET
REV	DATE	DESCRIPTION

ISSUED DATE:
MAY 17, 2019

ISSUED FOR:
100% CD SET

LICENSURE:

PROJECT INFORMATION:
SOUTH CARMEL 001
LOCATION CODE: 428216
IFO A2 LOT 11 SAN ANTONIO AVE.,
CARMEL, CA 93923

DRAWN BY:	SAC
CHECKED BY:	RGG

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

ABBREVIATIONS			
AB AC A/C ADJ A.F.F. ARCH APPROX A.G.L. A.M.S.L.	ANCHOR BOLT ASPHALTIC CONCRETE AIR CONDITIONING ADJUSTABLE ABOVE FINISH FLOOR ARCHITECTURAL APPROXIMATELY ABOVE GRADE LEVEL ABOVE MEAN SEA LEVEL	JT LAM LBS LT LA LNA	JOINT LAMINATED POUNDS LIGHT LIGHTNING ARRESTOR LOW NOISE AMPLIFIER
BD BLDG BLKG BOT BSMT BTS	BOARD BUILDING BLOCKING BOTTOM BASEMENT BASE TRANSCIVER STATION	MFR MAT MAX MECH MIN MISC ML MO MS MTD MTL	MANUFACTURER MATERIAL MAXIMUM MECHANICAL MINIMUM MISCELLANEOUS METAL LATH MASONRY OPENING MACHINE SCREW MOUNTED METAL
C CEM CL CLG CLR COL CONC CONST CONT CORR CO	COURSE(S) CEMENT CHAIN LINK CEILING CLEAR COLUMN CONCRETE CONSTRUCTION CONTINUOUS CORRIDOR CONDUIT ONLY	(N) NIC NO NTS	NEW NOT IN CONTRACT NUMBER NOT TO SCALE
DIA DBL DEPT DEMO DIM DN DR DTL DWG	DIAMETER DOUBLE DEPTH DEMOLITION DIMENSION DOWN DOOR DETAIL DRAWING	PARTN PL PLAS PLYWD PDC PROP PT	PARTITION PLATE PLASTER PLYWOOD POINT OF CONNECTION PROPERTY PRESSURE TREATED
(E) EA ELEC ELEV EQUIP EXP EXT	EXISTING EACH ELECTRIC ELEVATION EQUIPMENT EXPANSION EXTERIOR	R REQD RD RM RMS RO	RISER REQUIRED ROOF DRAIN ROOM ROOMS ROUGH OPENING
FA FB FF FH FIN FLR FOS FS FT FTG FW F.G. FUT	FIRE ALARM FLAT BAR FINISH FLOOR FLAT HEAD FINISH(ED) FLOOR FACE OF STUDS FINISH SURFACE FOOT, FEET FOOTING FINISH WALL FINISH GRADE FUTURE	SC SCHED SECT SHT SIM SPECS SS STL STOR STRUCT SUSP SW SWBO	SOLID CORE SCHEDULE SECTION SHEET SIMILAR SPECIFICATIONS STAINLESS STEEL STEEL STORAGE STRUCTURAL SUSPENDED SWITCH SWITCHBOARD
GA GALV GL GR GYP GFCI GND	GAUGE GALVANIZED GLASS GRADE GYPSUM GROUND FAULT CIRCUIT INTERRUPT GROUND	THK TI TMA TOS TS TYP	THICK TENANT IMPROVEMENT TOWER MOUNTED AMPLIFIER TOP OF SURFACE TUBE STEEL TYPICAL
HC HDW HTR HM HORIZ HR HSS	HOLLOW CORE HARDWARE HEATER HOLLOW METAL HORIZONTAL HOUR HOLLOW STRUCTURAL	UNO VCT VERT V.I.F. VG	UNLESS NOTED OTHERWISE VINYL COMPOSITION TILE VERTICAL VERIFY IN FIELD VERTICAL GRAIN
HT HV ID INS INT	HEIGHT HIGH VOLTAGE INSIDE DIMENSION INSULATION INTERIOR	W/ WD WR WT XFMR @ [C Z R	WITH WOOD WATER RESISTANT WEIGHT TRANSFORMER AT CHANNEL CENTERLINE ANGLE PROPERTY LINE

SYMBOLS:

X

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

DEPLOYMENT SERVICES, INC.
22471 ASPAN STREET, STE 290
LAKE FOREST, CA 92630

10650 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
tel: (858) 433-7173 / (858) 433-7176

C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S SET
A	01/30/2019	90% CD'S SET
REV	DATE	DESCRIPTION

ISSUED DATE: MAY 17, 2019

ISSUED FOR: 100% CD SET

LICENSURE:

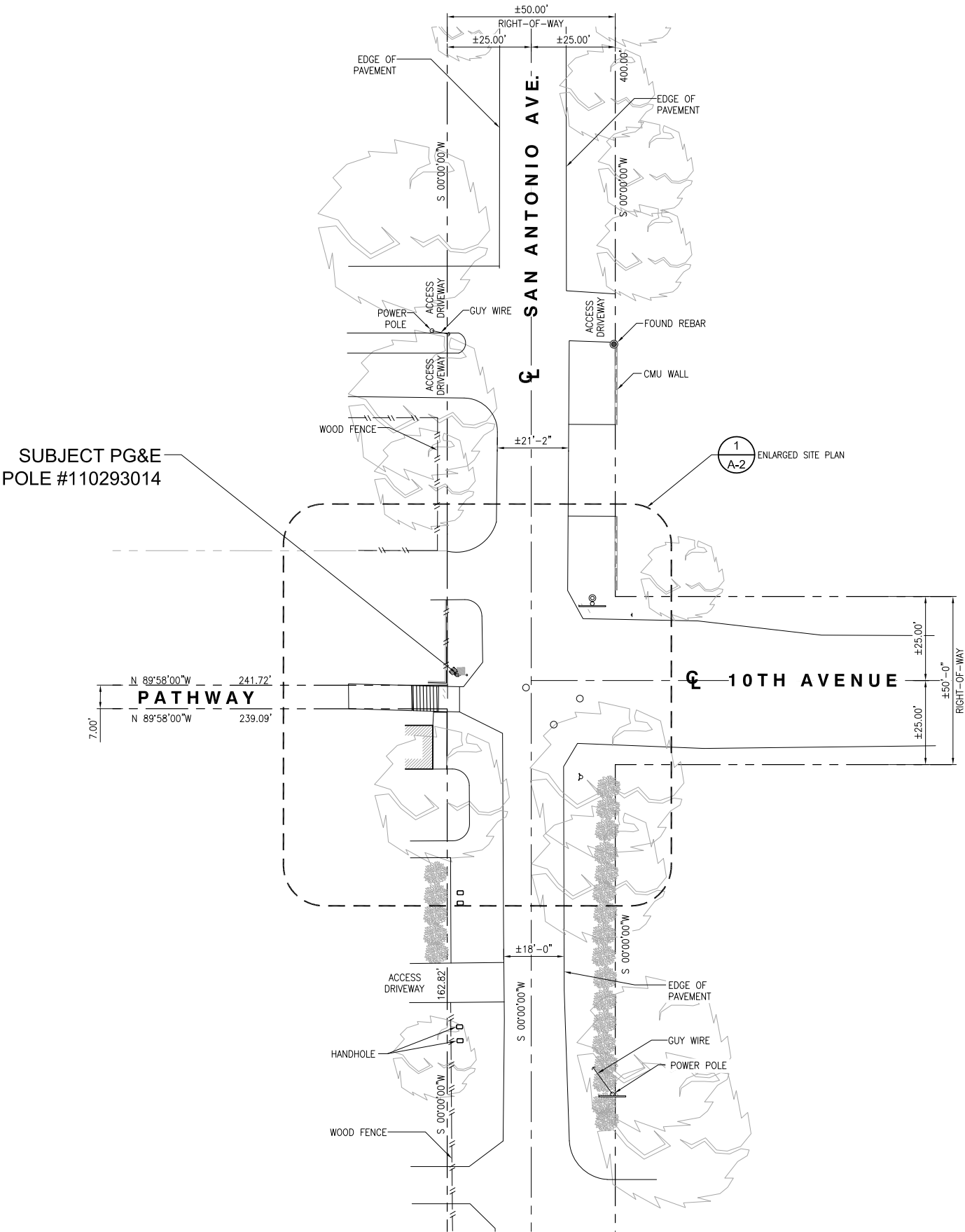
PROJECT INFORMATION: SOUTH CARMEL 001
LOCATION CODE: 428216
IFO A2 LOT 11 SAN ANTONIO AVE.,
CARMEL, CA 93923

DRAWN BY: SAC
CHECKED BY: RGG

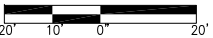
SHEET TITLE: NOTES AND SPECIFICATIONS

SHEET NUMBER: T-2

- SITE NOTES:
1. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT/ ENGINEER.
 2. CONTRACTOR TO VERIFY LOCAL UTILITY REQUIREMENTS FOR DEPTH, SIZES, AND SEPARATION OF CONDUITS PRIOR TO INSTALLATION. NOTIFY CONSTRUCTION MANAGER IMMEDIATELY OF ANY DISCREPANCIES.
 3. PROPOSED UTILITY SERVICES SHOWN NEED TO BE VERIFIED AND APPROVED BY UTILITY COMPANIES BEFORE START OF CONSTRUCTION. CONTRACTOR TO VERIFY WITH CLIENT PROJECT MANAGER TO OBTAIN FINAL APPROVAL.
 4. VERIFY, LOCATE, AND PROTECT ALL EXISTING SUBSTRUCTURES AS REQUIRED. CALL DIG ALERT @ (800) 227-2600 48 HOURS BEFORE ANY EXCAVATION. CONTRACTOR IS RESPONSIBLE TO HAVE ALL NON-PUBLIC UTILITIES LOCATED AT THEIR OWN EXPENSE.
 5. CONTRACTOR SHALL IMMEDIATELY INFORM CLIENT OF ANY ACCIDENTAL DAMAGE TO EXISTING UTILITIES VIA PHONE OR EMAIL REGARDLESS OF ABILITY TO REPAIR OR MITIGATE. A FOLLOW-UP EMAIL REPORT WITH DIGITAL PHOTOS WILL BE REQUIRED DAILY UNTIL RESOLUTION HAS BEEN ACCEPTED BY CLIENT, AFFECTED SERVICE PROVIDERS, AND RECIPIENTS. AT THEIR OWN EXPENSE, CONTRACTOR WILL EXERCISE ALL EFFORTS TO HAVE REPAIRS MADE BY QUALIFIED TECHNICIANS AS APPROVED BY SERVICE PROVIDER.
 6. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE REFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER, FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
 7. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
 8. ANY DRAIN AND /OR FIELD TILE ENCOUNTERED/DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK, SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT OR ENGINEER AT COMPLETION OF PROJECT.
 9. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH THE CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
 10. NEW CONDUITS SHALL BE INSTALLED IN TRENCH SUCH THAT THE TOP OF CONDUIT SHALL HAVE A MINIMUM COVER OF 30-INCHES BELOW ADJACENT EDGE OF PAVEMENT OR ORIGINAL GROUND, WHICHEVER IS LOWER IN ELEVATION.
 11. ALL PULL BOXES SHALL BE PRECAST REINFORCED CONCRETE AND HAVE NON CONDUCTIVE LIDS. EXISTING PULL BOX COVERS THAT ARE MARKED INCORRECTLY SHALL BE REPLACED.
 12. REGRADE LANDSCAPING AS NEEDED AND REPLACE DAMAGED IRRIGATION LINES WITHIN 24 HOURS.



24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"



1

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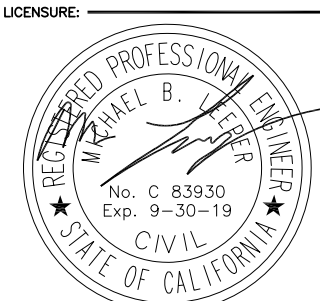
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10650 SCRIPPS RANCH BLVD., SUITE 224
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tel: (858) 433-7173 / (858) 433-7176

C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S SET
A	01/30/2019	90% CD'S SET
REV	DATE	DESCRIPTION

ISSUED DATE:
MAY 17, 2019

ISSUED FOR:
100% CD SET



PROJECT INFORMATION:
SOUTH CARMEL 001
LOCATION CODE: 428216
IFO A2 LOT 11 SAN ANTONIO AVE.,
CARMEL, CA 93923

DRAWN BY: SAC
CHECKED BY: RGG

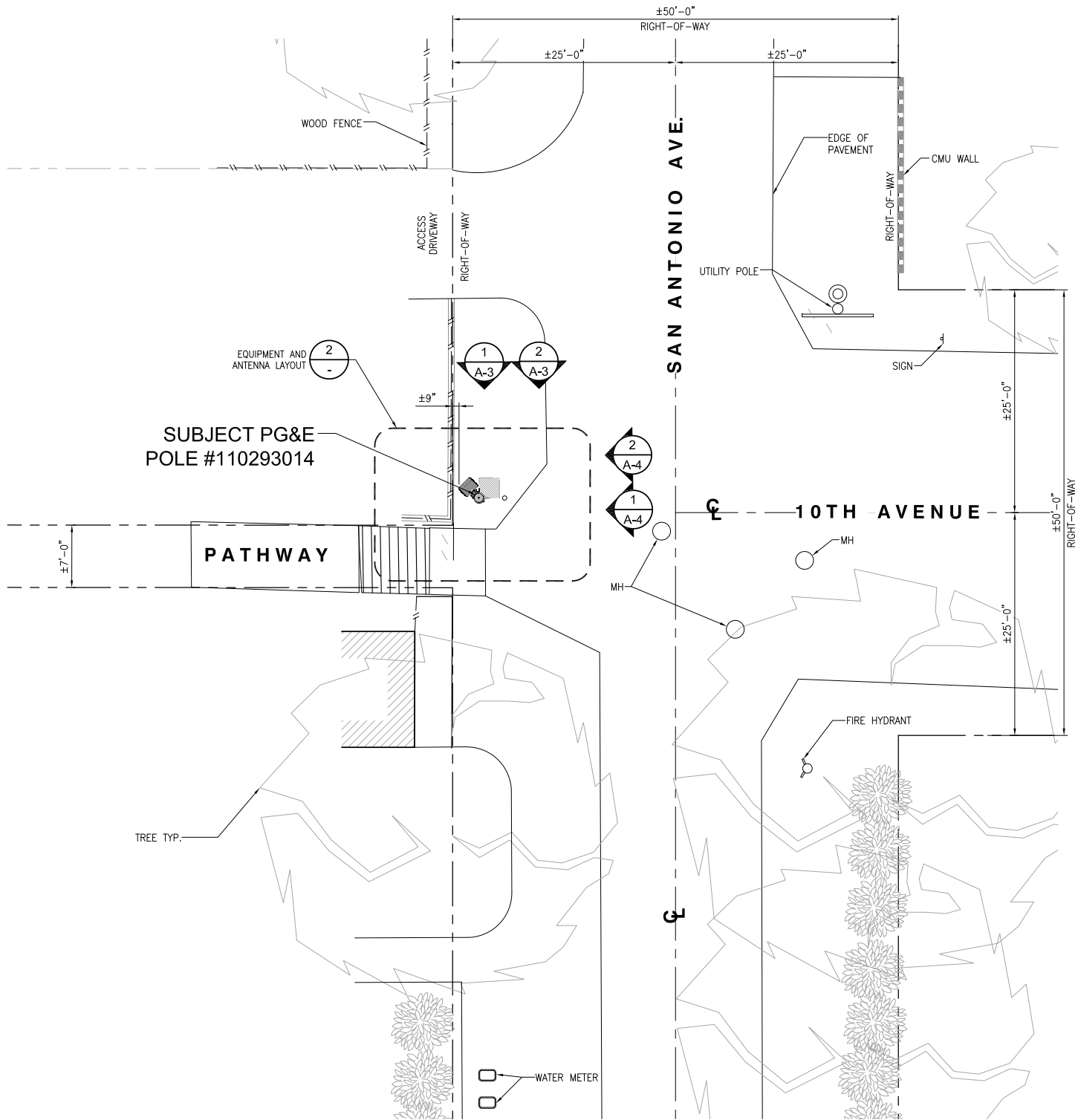
SHEET TITLE:
SITE PLAN

SHEET NUMBER:
A-1

SITE PLAN

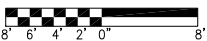
UNDERGROUND UTILITIES NOTE:

ALL EXISTING SUB-SURFACE UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM FIELD SURVEY AND/OR AVAILABLE RECORDS, THE ARCHITECT/ ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR THE DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES. THERE MAY BE EXISTING UTILITIES OTHER THAN THOSE SHOWN ON THIS PLAN. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINE SHOWN AND ANY OTHER LINES NOT SHOWN ON THIS PLAN.



ENLARGED SITE PLAN

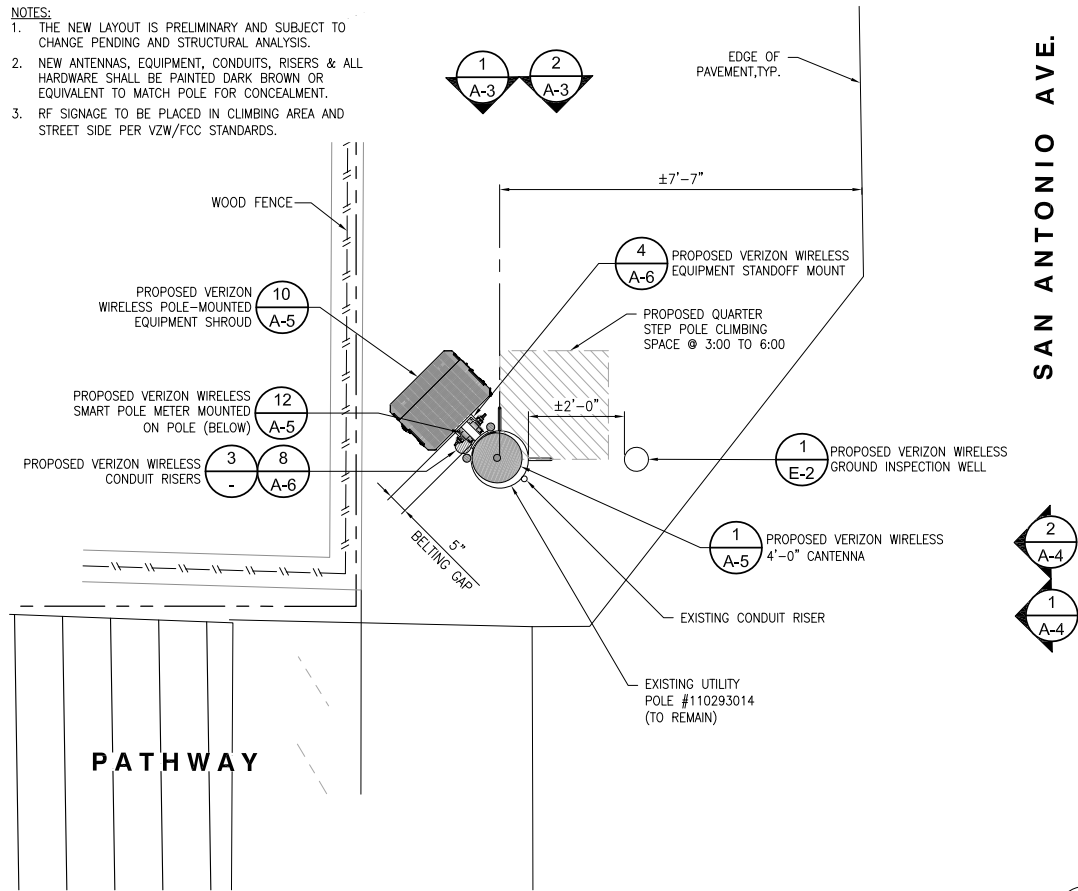
24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"



1

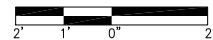
NOTES:

1. THE NEW LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING AND STRUCTURAL ANALYSIS.
2. NEW ANTENNAS, EQUIPMENT, CONDUITS, RISERS & ALL HARDWARE SHALL BE PAINTED DARK BROWN OR EQUIVALENT TO MATCH POLE FOR CONCEALMENT.
3. RF SIGNAGE TO BE PLACED IN CLIMBING AREA AND STREET SIDE PER VZW/FCC STANDARDS.



EQUIPMENT AND ANTENNA LAYOUT

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"



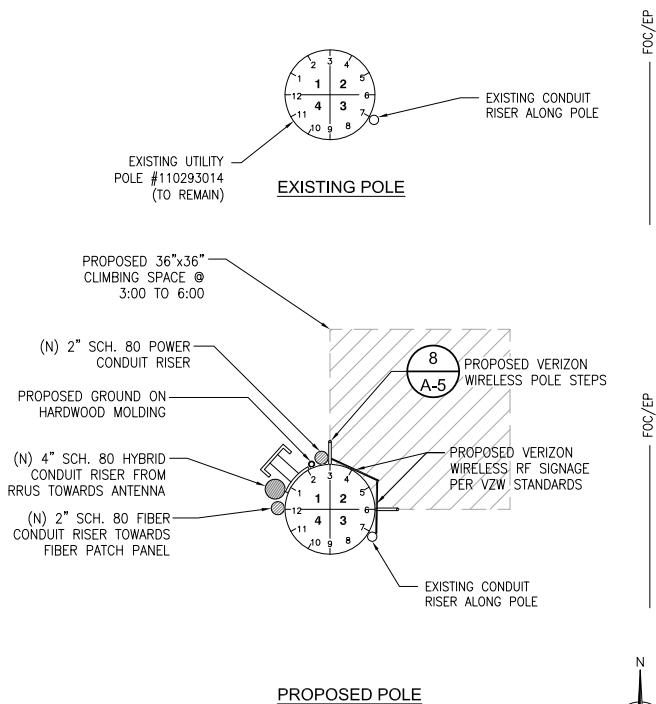
2

EXISTING POLE INFORMATION

POLE HEIGHT: 35 FT
MATERIAL: DF
POLE CLASS: UNKN
YEAR SET: 2011

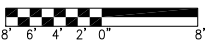
MAKE-READY SCOPE:

1. VERIZON TO INSTALL (1) SMART POLE METER ON STANDOFF MOUNT AT 1:30 POSITION.
2. VERIZON TO INSTALL (1) DISTRIBUTION PANEL AND DISCONNECT SWITCH ON STANDOFF MOUNT AT 1:30 POSITION.
3. VERIZON TO INSTALL (1) EQUIPMENT SHROUD ON STANDOFF MOUNT AT 1:30 POSITION.
4. VERIZON TO INSTALL (1) 4FT ANTENNA ON TOP OF PROPOSED 7'-0" HIGH POLE EXTENSION.
5. VERIZON TO INSTALL 2" SCHEDULE 80 PVC POWER RISER MOUNTED ON CONDUIT STANDOFF AT 2:30 POSITION FROM SERVICE DROP TO METER.
6. VERIZON TO INSTALL 4" SCHEDULE 80 PVC HYBRID RISER MOUNTED ON CONDUIT STANDOFF AT 12:30 POSITION FROM RRUS TO ANTENNA.
7. INSTALL 2" SCHEDULE 80 PVC FIBER RISER MOUNTED ON CONDUIT STANDOFF AT 12:00 POSITION FROM SERVICE DROP TO EQUIPMENT CABINET.
8. VERIZON TO STEP POLE @ 3:00 TO 6:00



ENLARGED SITE PLAN

24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"



1

MAKE READY

24"x36" SCALE: NTS
11"x17" SCALE: NTS

3

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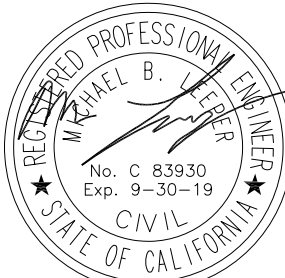
ISSUED DATE:

MAY 17, 2019

ISSUED FOR:

100% CD SET

LICENSURE:



PROJECT INFORMATION:

SOUTH CARMEL 001
LOCATION CODE: 428216
IFO A2 LOT 11 SAN ANTONIO AVE.,
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DRAWN BY:

SAC

CHECKED BY:

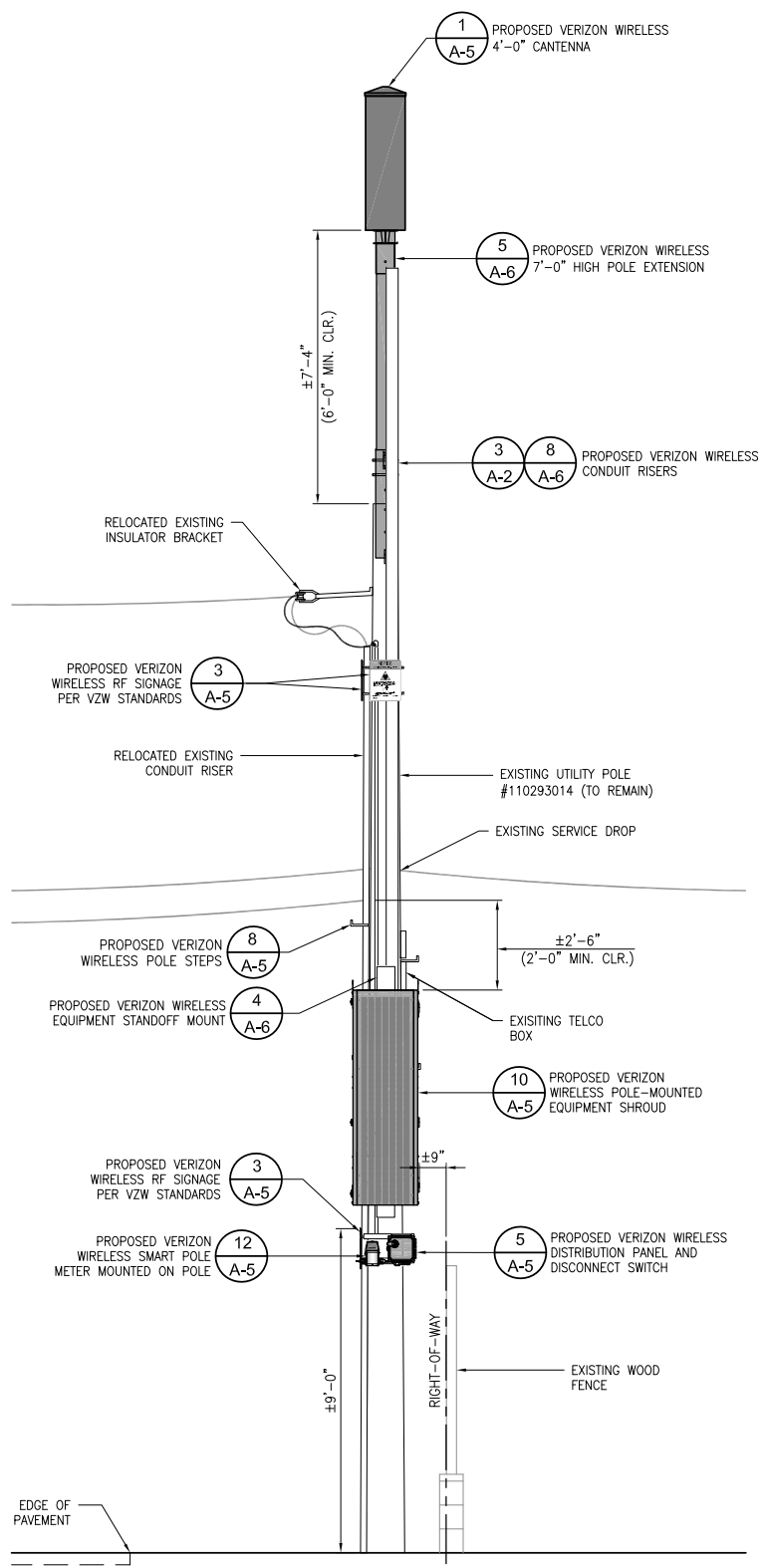
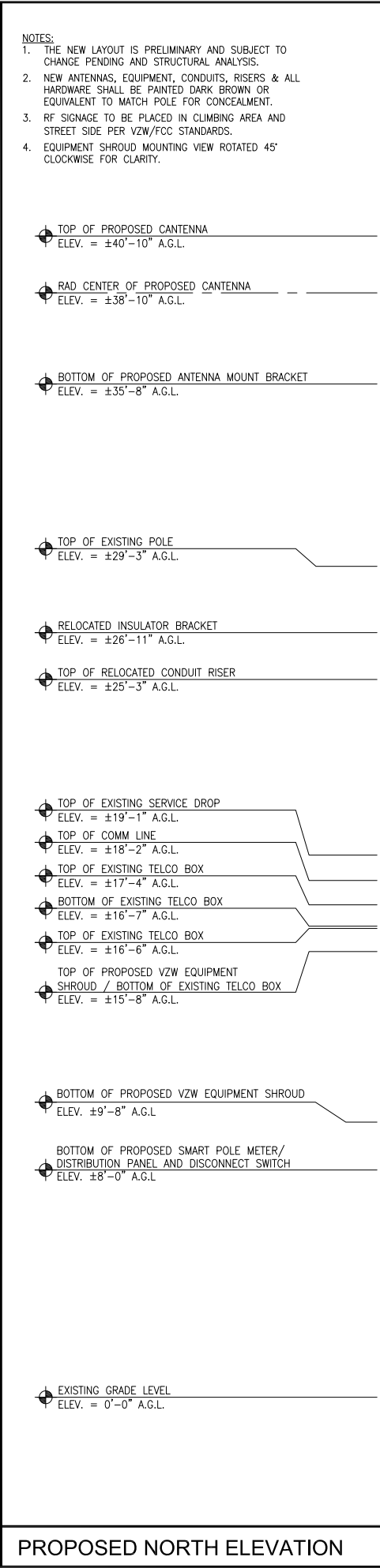
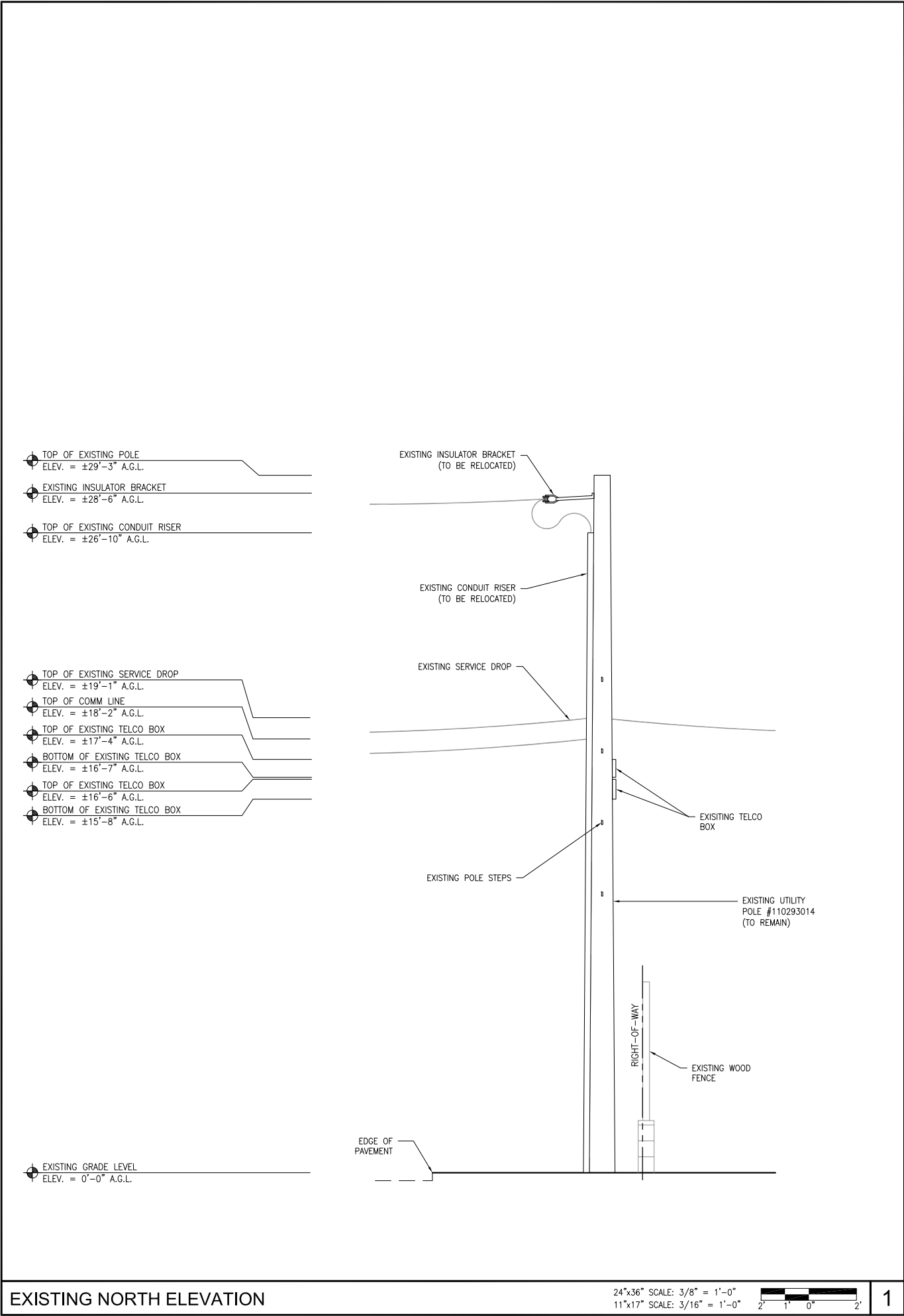
RGG

SHEET TITLE:

ENLARGED SITE PLAN
AND EQUIPMENT /
ANTENNA LAYOUT

SHEET NUMBER:

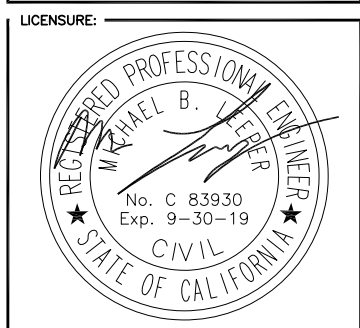
A-2



REV	DATE	DESCRIPTION
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ISSUED DATE: MAY 17, 2019

ISSUED FOR: 100% CD SET

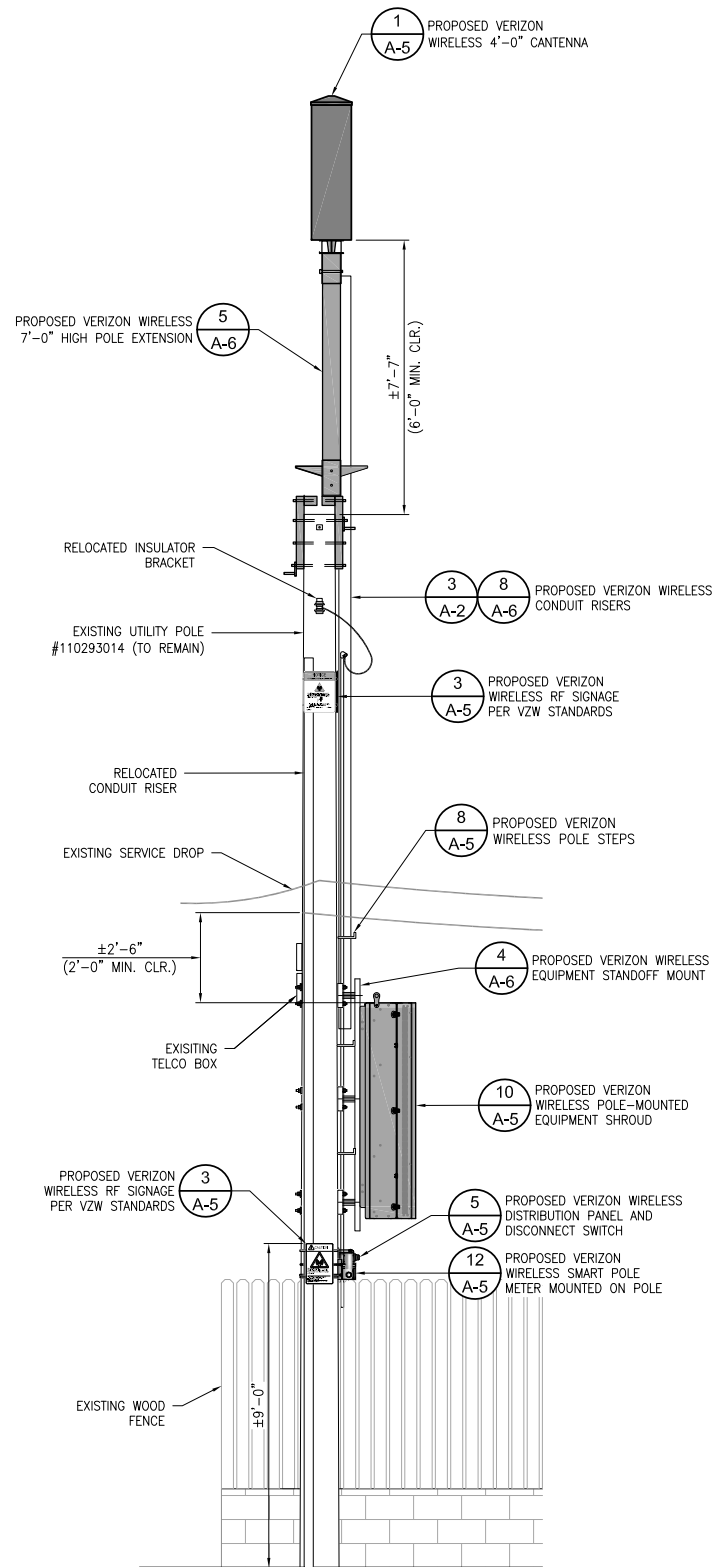
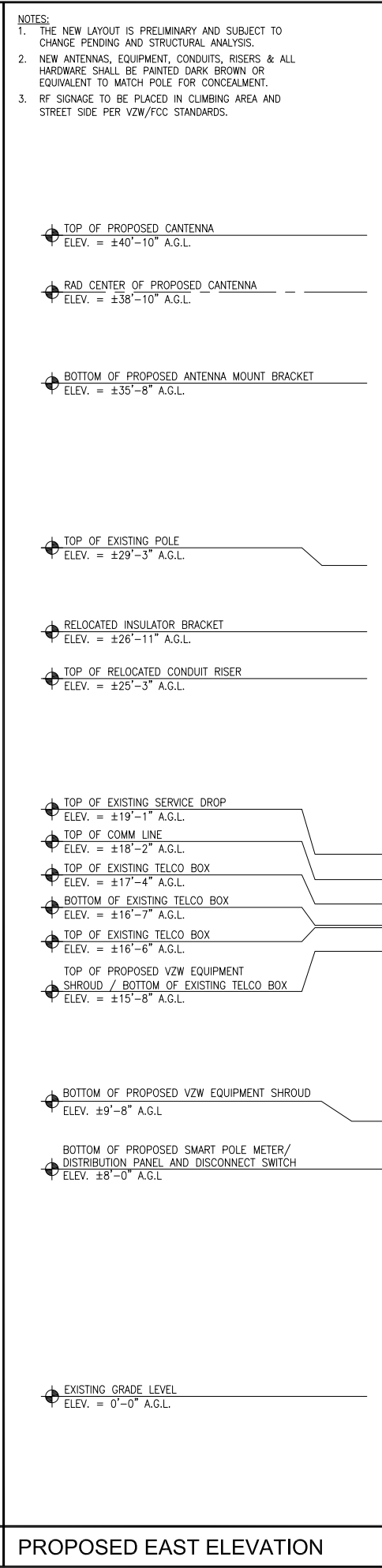
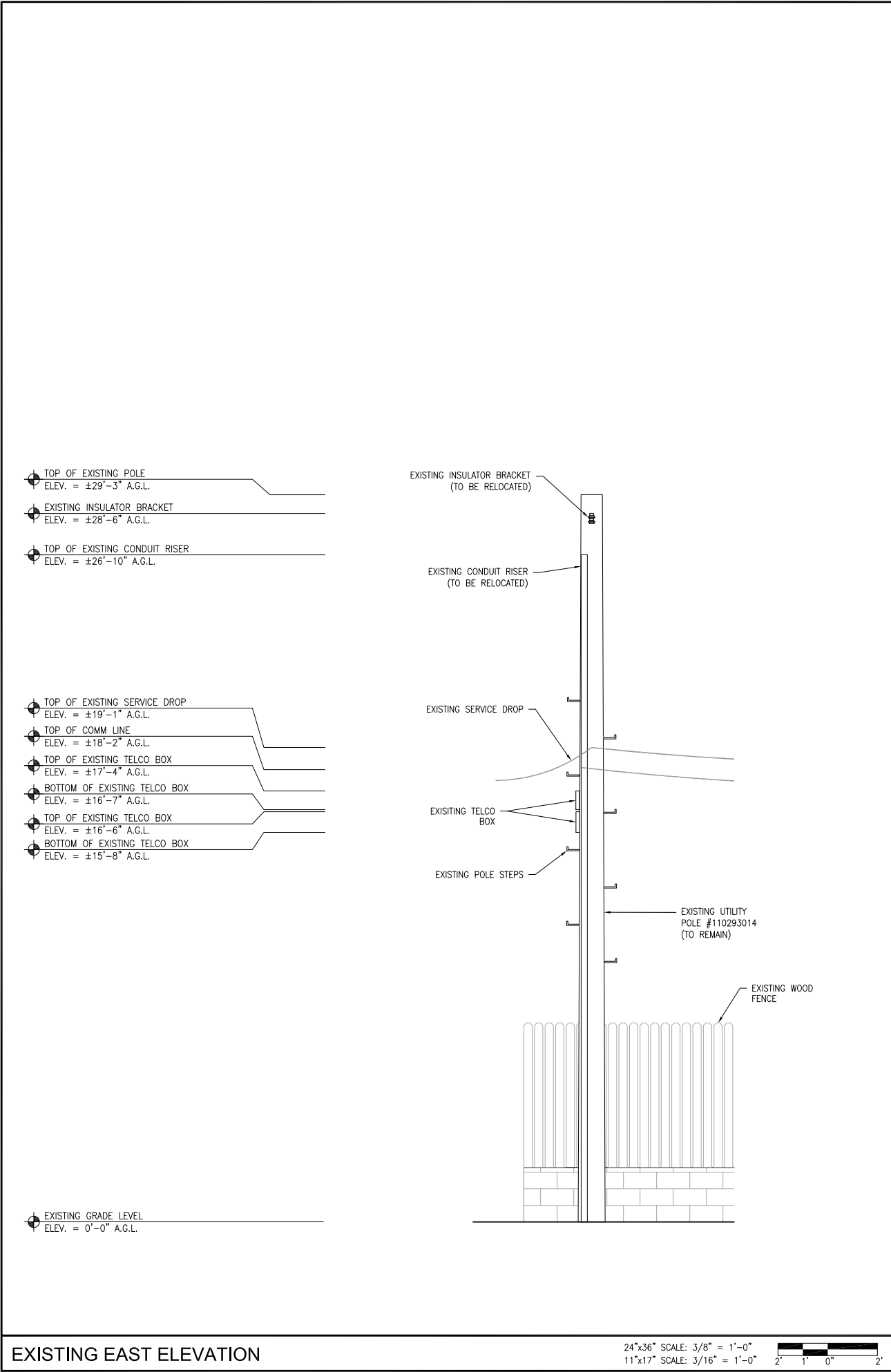


PROJECT INFORMATION: SOUTH CARMEL 001
LOCATION CODE: 428216
IFO A2 LOT 11 SAN ANTONIO AVE., CARMEL, CA 93923

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SHEET TITLE: ARCHITECTURAL ELEVATIONS

SHEET NUMBER: A-3



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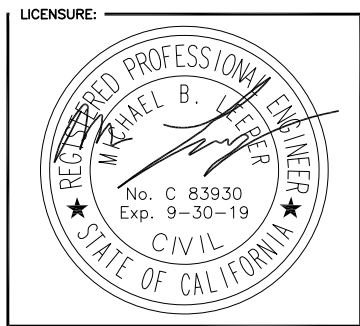
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ISSUED DATE: **MAY 17, 2019**

ISSUED FOR: **100% CD SET**

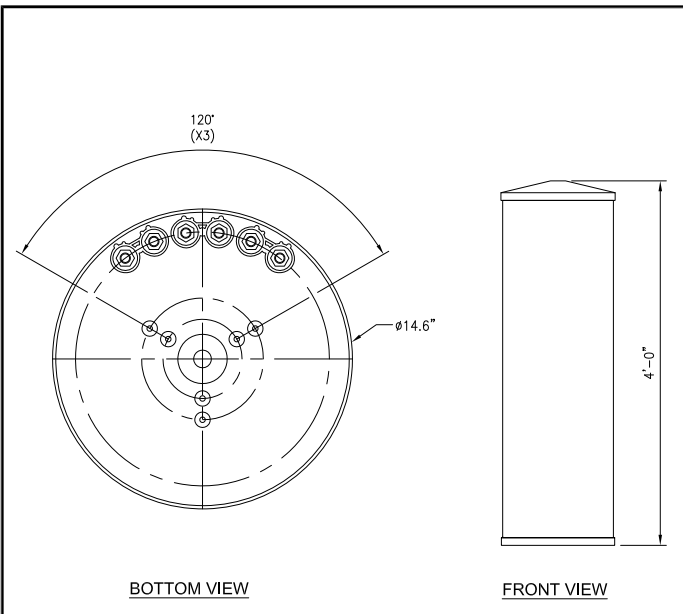


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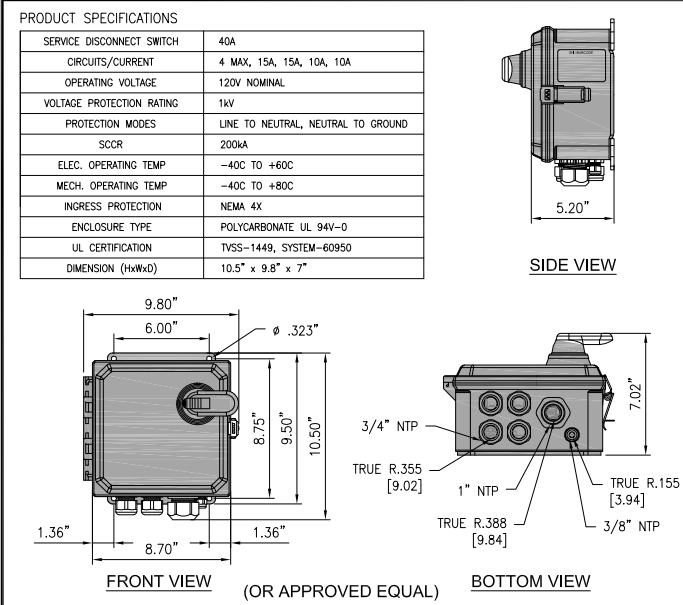
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CHECKED BY: RGG

SHEET TITLE: **ARCHITECTURAL ELEVATIONS**

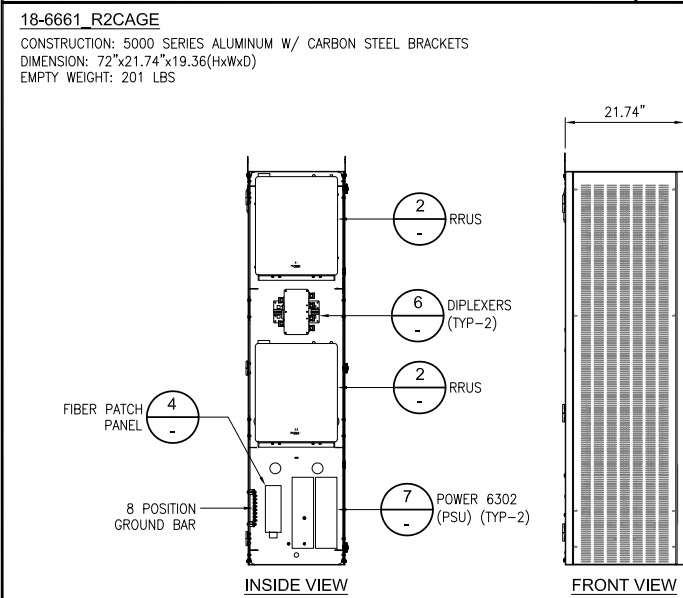
SHEET NUMBER: **A-4**



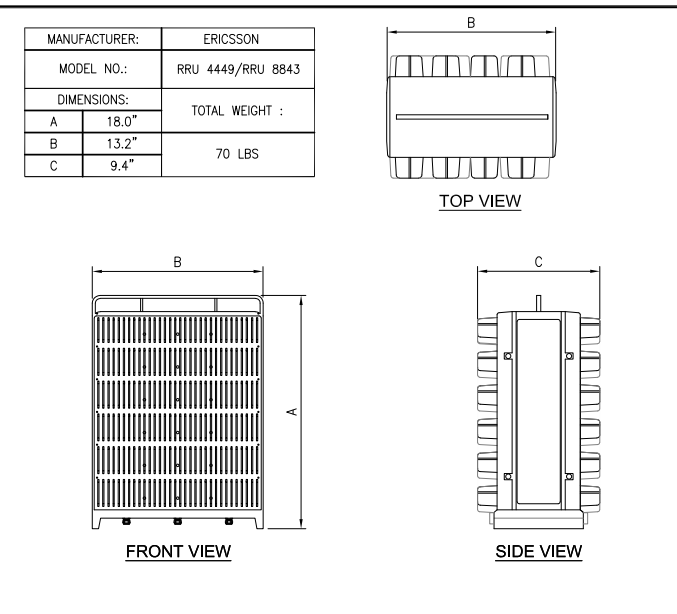
CYLINDRICAL ANTENNA 24"x36" SCALE: NTS 11"x17" SCALE: NTS 1



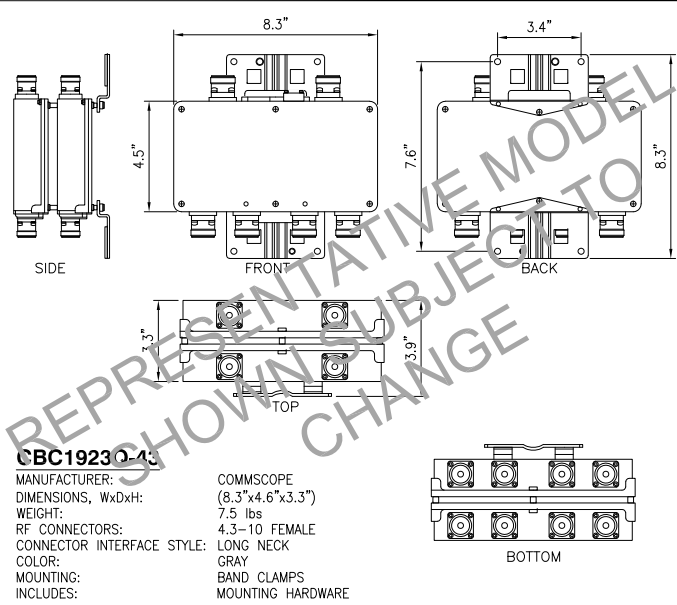
DISTRIBUTION PANEL AND DISCONNECT 24"x36" SCALE: NTS 11"x17" SCALE: NTS 5



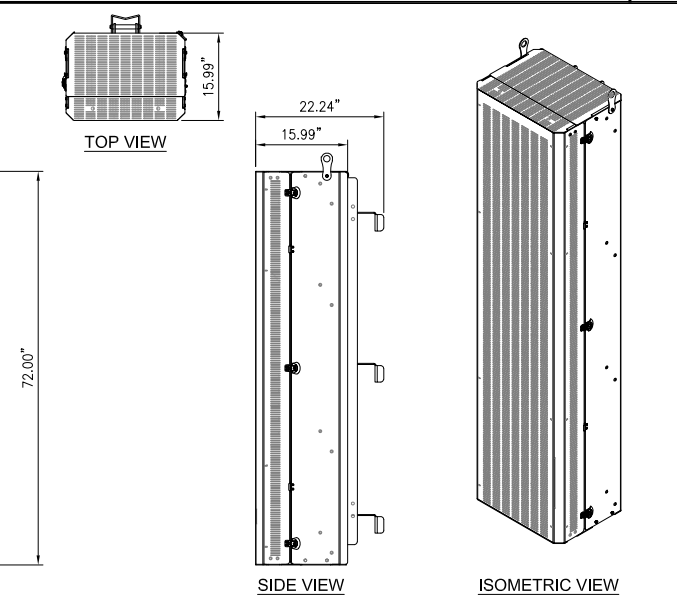
EQUIPMENT SHROUD (OR APPROVED EQUAL) 24"x36" SCALE: NTS 11"x17" SCALE: NTS 10



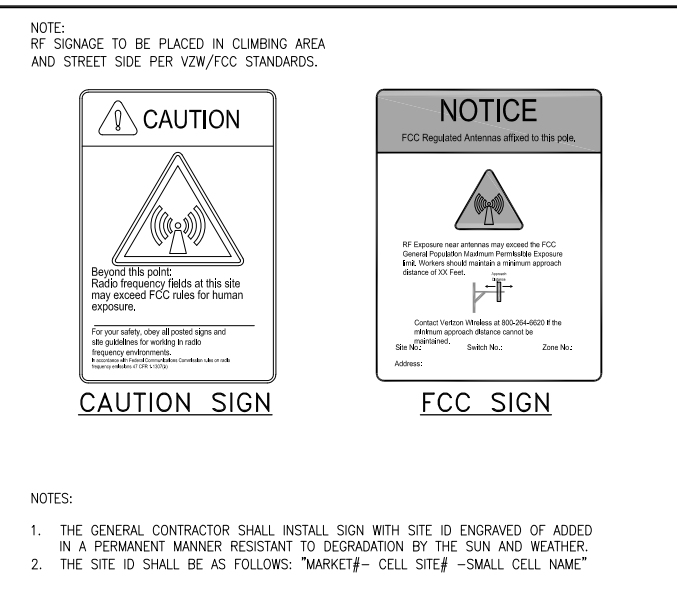
RADIO UNIT (OR APPROVED EQUAL) 24"x36" SCALE: NTS 11"x17" SCALE: NTS 2



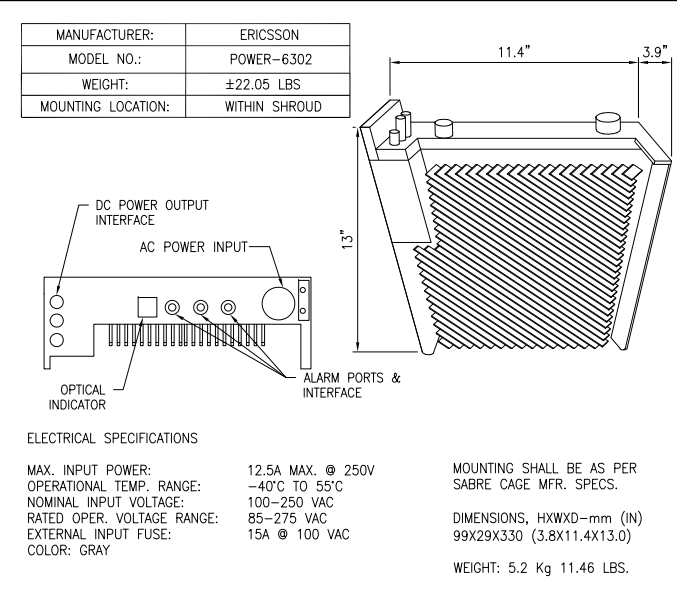
DIPLEXER (OR APPROVED EQUAL) 24"x36" SCALE: NTS 11"x17" SCALE: NTS 6



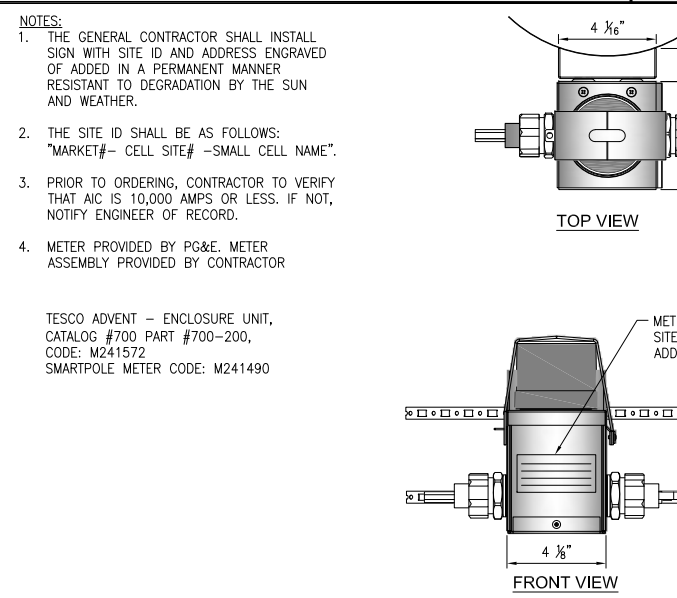
POWER SUPPLY UNIT (OR APPROVED EQUAL) 24"x36" SCALE: NTS 11"x17" SCALE: NTS 7



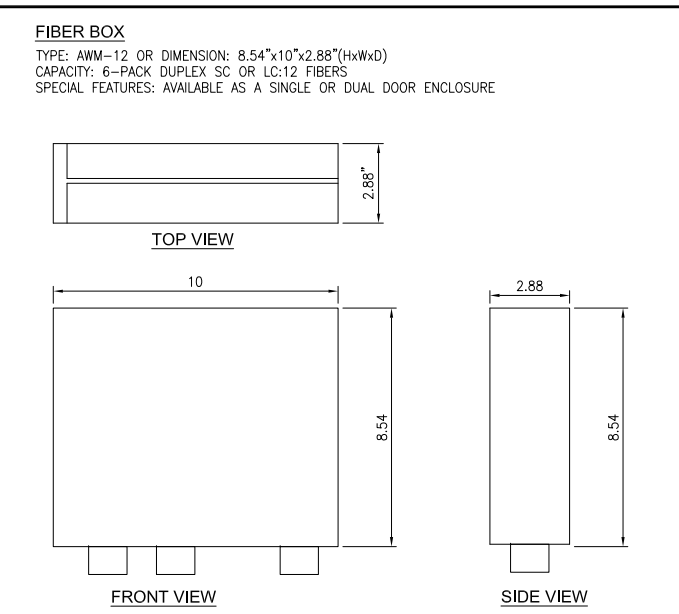
CAUTION SIGN 24"x36" SCALE: NTS 11"x17" SCALE: NTS 3



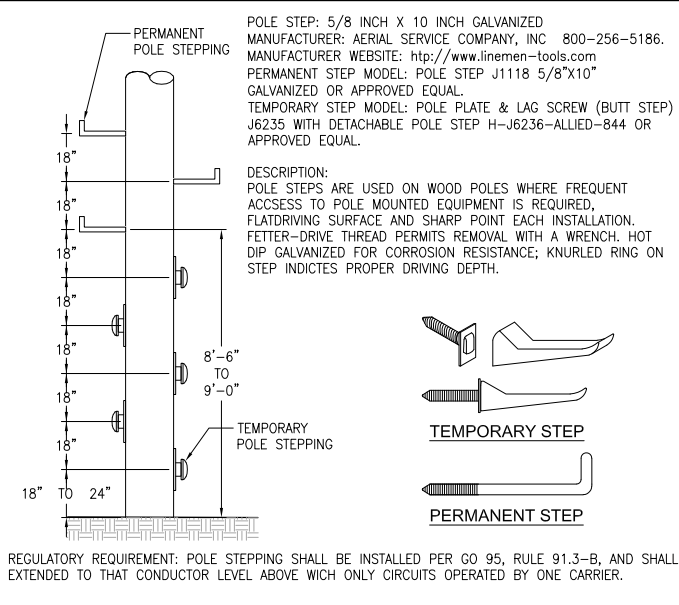
POWER SUPPLY UNIT (OR APPROVED EQUAL) 24"x36" SCALE: NTS 11"x17" SCALE: NTS 7



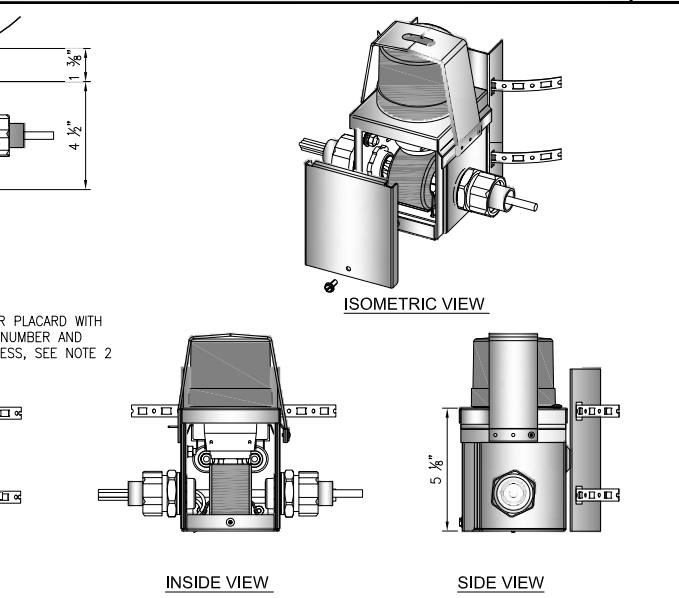
SMART POLE METER (OR APPROVED EQUAL) 24"x36" SCALE: NTS 11"x17" SCALE: NTS 12



FIBER PATCH (OR APPROVED EQUAL) 24"x36" SCALE: NTS 11"x17" SCALE: NTS 4



POLE STEP DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 8



SMART POLE METER (OR APPROVED EQUAL) 24"x36" SCALE: NTS 11"x17" SCALE: NTS 12

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ISSUED FOR: 100% CD SET

PROJECT INFORMATION: SOUTH CARMEL 001
LOCATION CODE: 428216
IFO A2 LOT 11 SAN ANTONIO AVE.,
CARMEL, CA 93923

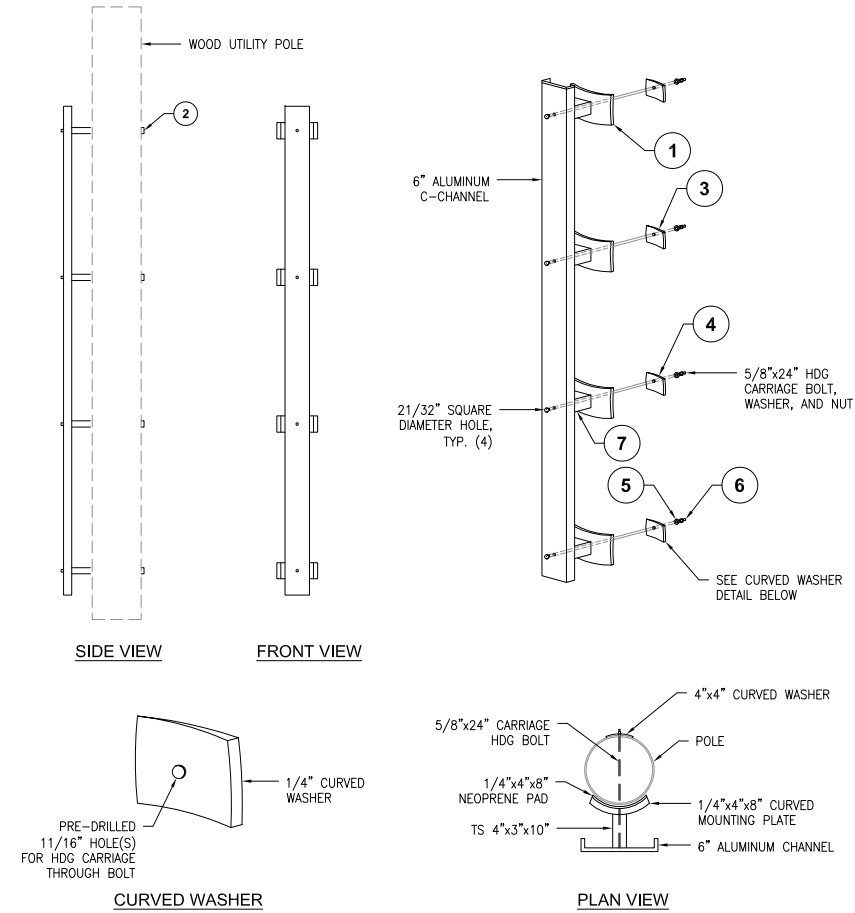
DRAWN BY: SAC
CHECKED BY: RGG

SHEET TITLE: DETAILS

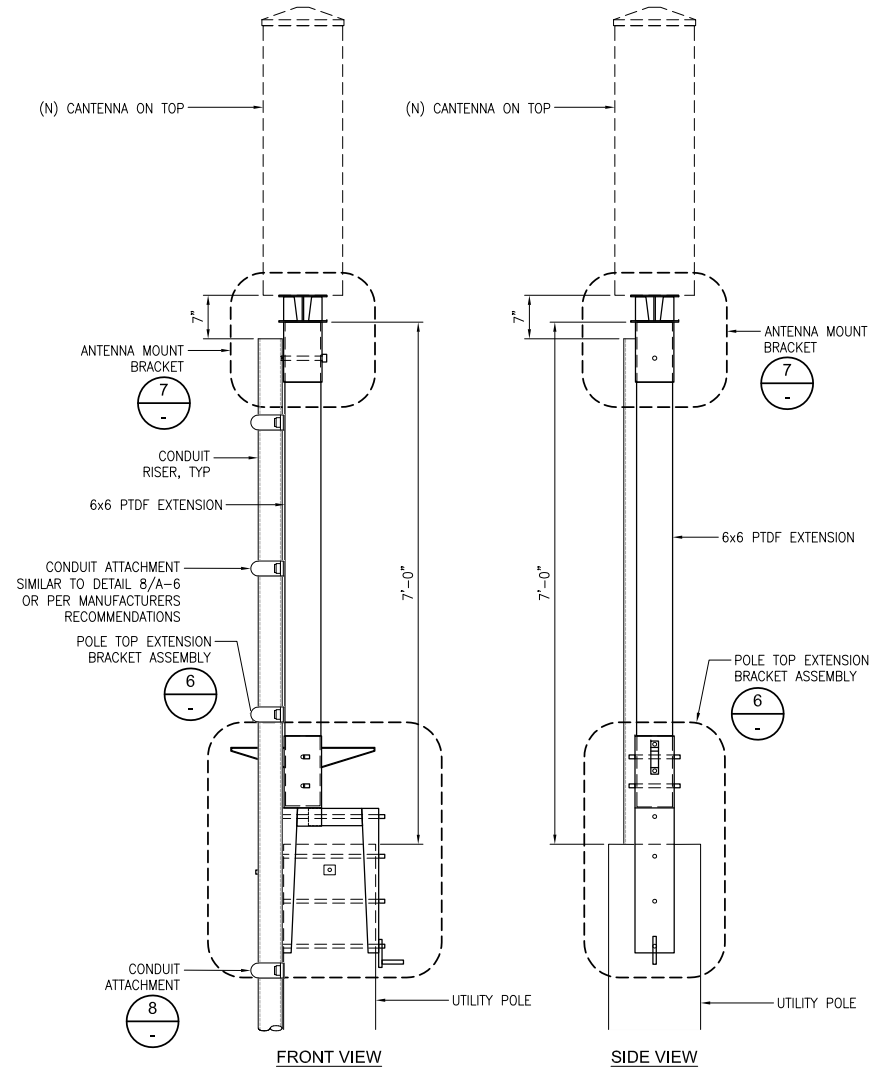
SHEET NUMBER: A-5

ITEM NO.	QTY	DESCRIPTION	SIZE
1	4	HDG CARRIAGE BOLTS	5/8"x24"
2	4	HDG WASHER	5/8"
3	4	HDG NUTS	5/8"
4	4	CURVED WASHERS	1/4"x4"x4"
5	1	ALUMINUM C-CHANNEL	6"x2"x96"L
6	4	NEOPRENE PAD	4"x8"
7	4	TUBE STEEL w/ WELDED 4" x 8" SADDLE	3"x3"x10"L

MANUFACTURER: MICRO WIRELESS SOLUTIONS
PART NO: JPAK-EM-100-08

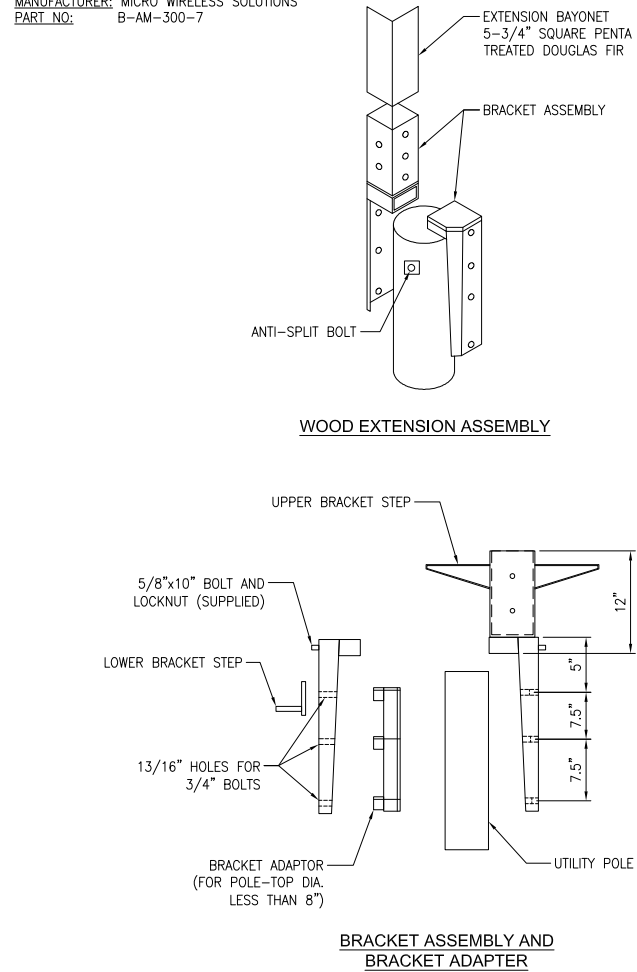


- STEPS FOR ASSEMBLY:
1. PLACE NEOPRENE PADS TO FACE OF 1/4" x 4" x 8" WELDED SADDLE. (4) TOTAL
 2. MEASURE AND DRILL (4) 11/16" HOLES THROUGH POLE
 3. INSTALL TOP CARRIAGE BOLT BY SLIDING THROUGH TOPHOLE AND THROUGH EXISTING WOOD POLE
 4. PLACE CURVED SQUARE WASHER OVER THREADED END
 5. PLACE FLAT WASHER OVER THREADED END
 6. PLACE NUT OVER THREADED END THEN TIGHTEN AS REQUIRED
- * REPEAT PROCESS FOR REMAINING (3) ATTACHMENTS
NOTE: 4" MINIMUM PER G095 REQUIREMENTS



- NOTES:
1. THIS UNIT MEETS GENERAL ORDER (G.O.) 95 REQUIREMENT FOR STRENGTH IN CLASS 3 THROUGH CLASS 6 POLE AND THEREFORE MAY BE USED TO SUPPORT EQUIPMENT ON THESE CLASSES OR POLES. IT MAY BE USED ON LARGE CLASS POLE, BUT MAY NOT SUPPORT EQUIPMENT ON THEM.
 2. THIS UNIT MAY BE GUYED.
 3. THE BRACKET IS MADE TO FIT POLES WITH DIAMETER OF 8" TO 11". THEREFORE, DEPENDING UPON THE ACTUAL POLE-TOP DIAMETER TO FIT POLES OF CLASS 3 AND SMALLER, BRACKET ADAPTER MAY BE REQUIRED.
 4. UNITS ARE SUPPLIED WITH THE WOOD BAYONET ASSEMBLED.
 5. A POLE STEP KIT IS REQUIRED.
 6. ATTACH THE BRACKET ASSEMBLY ACROSS THE LINE DIRECTION WITH THE CROSS ARM.
 7. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

MANUFACTURER: MICRO WIRELESS SOLUTIONS
PART NO: B-AM-300-7



EQUIPMENT STANDOFF (OR APPROVED EQUAL)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

4

POLE TOP EXTENSION

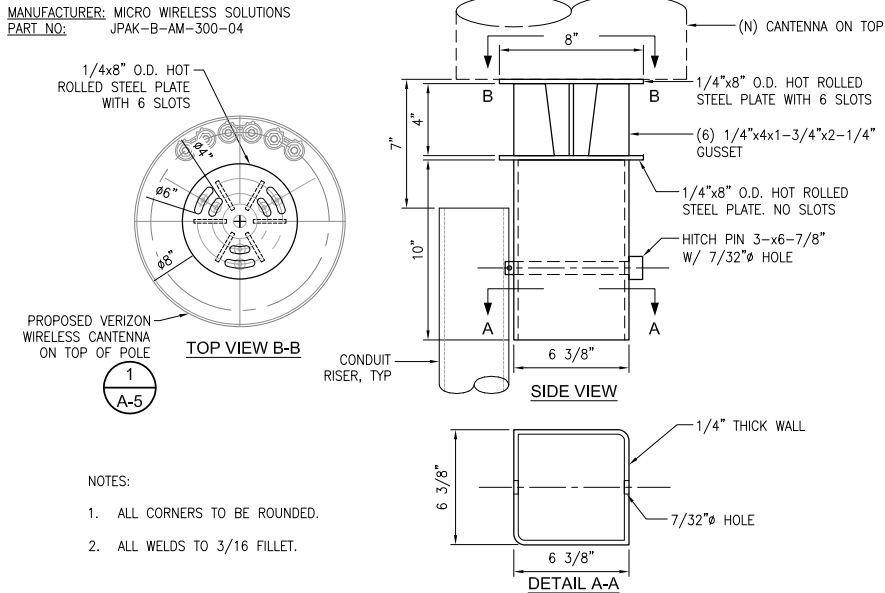
24"x36" SCALE: NTS
11"x17" SCALE: NTS

5

POLE TOP EXTENSION BRACKET ASS'Y(OR APPROVED EQUAL)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

6



ANTENNA MOUNT BRACKET (OR APPROVED EQUAL)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

7

CONDUIT ATTACHMENT

24"x36" SCALE: NTS
11"x17" SCALE: NTS

8

NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

9

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LICENSURE:



PROJECT INFORMATION:

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IFO A2 LOT 11 SAN ANTONIO AVE.,
CARMEL, CA 93923

DRAWN BY: SAC
CHECKED BY: RGG

SHEET TITLE:

DETAILS

SHEET NUMBER:

A-6

ELECTRICAL NOTES

1.

THIS INSTALLATION SHALL COMPLY WITH THE CURRENTLY ADOPTED EDITION OF THE CALIFORNIA ELECTRICAL CODE (CEC), WITH THE UTILITY COMPANY AND LOCAL CODE REQUIREMENTS.
2.

POWER, CONTROL AND EQUIPMENT GROUND WIRING IN CONDUIT SHALL BE SINGLE CONDUCTOR (#12 AWG AND LARGER), 600V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED.
3.

CUT, COIL AND TAPE A 3 FOOT PITGAL FROM END OF LFMC FOR TERMINATING AT EQUIPMENT, IF REQUIRED.
4.

SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS OR BELOW GRADE SHALL BE SINGLE CONDUCTOR #2 AWG SOLID, TINNED, COPPER WIRE
5.

ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP STYLE, COMPRESSION, WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C.
6.

ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMINATED PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (PANELBOARD AND CIRCUIT IDENTIFICATION).
7.

ALL CONDUIT RUN ABOVE GROUND OR EXPOSED SHALL BE RIGID STEEL.
8.

CABINETS, BOXES AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC AND CEC.
9.

PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
10.

ALL ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER) SHALL BE BONDED TOGETHER AT OR BELOW GRADE BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE CEC.
11.

PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
12.

METAL RACEWAY SHALL NOT BE USED AS THE CEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION SIZED IN ACCORDANCE WITH THE CEC SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO EQUIPMENT.
13.

EXPOSED GROUND CONNECTIONS SHALL BE MADE WITH COMPRESSION CONNECTORS WHICH ARE THEN BOLTED TO EQUIPMENT USING STAINLESS STEEL HARDWARE. INSTALLATION TORQUE SHALL BE PER MANUFACTURER'S REQUIREMENTS.
14.

PROVIDE SUPPORTING DEVICES FOR ALL ELECTRICAL EQUIPMENT, FIXTURES, BOXES, PANEL, ETC., SUPPORT LUMINARIES FROM UNDERSIDE OF STRUCTURAL CEILING, EQUIPMENT SHALL BE BRACED TO WITHSTAND HORIZONTAL FORCES IN ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. PROVIDE PRIOR ALIGNMENT AND LEVELING OF ALL DEVICES AND FIXTURES.

POLE CONSTRUCTION NOTES:

1.

METER SHALL NOT FACE THE STREET, ALLEY, OR PROPERTY SIDE OF THE POLE.
2.

METER BASE AND DISCONNECT SHALL BE BONDED TO A SEPARATE GROUND FROM THE POLE GROUND WITH CONDUCTOR HAVING A CURRENT CAPACITY THAN NO LESS THAN #6 SOLID COPPER CONDUCTOR.
3.

EQUIPMENT CANNOT OVERHANG THE ROADWAY.
4.

VERIFY AND RECORD ALL CHANGES AND FOOTAGES IN FIELD ON THE FINAL AS-BUILT DRAWINGS.
5.

GROUND S ARE TO BE TESTED: REQUIRES 5 OHMS OR LESS RESISTANCE.
6.

ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION.
7.

NOTIFY PROPERTY OWNER BEFORE WORKING ON OR AROUND PRIVATE PROPERTY.
8.

OBTAIN SPECIAL PERMITS AND PAY FEES AS REQUIRED WHEN WORKING ON CITY AND COUNTY HIGHWAY SITES.
9.

MAINTAIN 36" MINIMUM COVER IN PARKWAY.
10.

MAINTAIN 30" MINIMUM COVER BELOW GUTTER GRADE ON SURFACE STREETS.
11.

CONDUITS MAY BE MOUNTED DIRECTLY TO THE POLE OR U-GUARD MAY BE USED IF THE POLE IS WITHIN 15' OF A BUCKET TRUCK ACCESSIBLE PAVED ROAD. IF NOT ACCESSIBLE AND THE CONDUIT IS GREATER THAN 1-1/2", THE CONDUIT IS TO BE MOUNTED WITH A STANDOFF BRACKET THAT PROVIDES 7" CLEARANCE FROM THE POLE TO THE CONDUIT.
12.

CONTRACTOR TO PROVIDE MOUNTS OR ADDITIONAL HARDWARE IF REQUIRED FOR INSTALLATION OF PROPOSED ANTENNAS.
13.

CONDUIT REQUIREMENTS:
UNDERGROUND – SCHEDULE 40 PVC OR BETTER
RISERS – SCHEDULE 80 PVC WITH FIRST 10' ABOVE GROUND LEVEL TO BE RGS FOR PROTECTION PURPOSES. ALL CONDUITS WILL BE MANDRELED AND EQUIPPED WITH 3/8" PULL ROPE AND MEASURE TAPE IF REQUIRED.

GROUNDING NOTES

1.

ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION SHALL BE ACCORDING TO SITE CONDITIONS.
2.

ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
3.

GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
4.

ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: MECHANICAL/ CONNECTIONS U.N.O.
5.

INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
6.

ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
7.

ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED SO THAT IT WILL BY-PASS MAIN BUSS BAR.
8.

USE SEPARATE HOLES FOR GROUNDING AT BUSS BAR. NO "DOUBLE-UP" OR BACK TO BACK LUGS.
9.

NO LB'S ALLOWED ON GROUNDING.
10.

PROVIDE STAINLESS STEEL CLAMP AND BRASS TAGS ON ANY COAX AT ANTENNAS AND RADIOS.
11.

ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE CALIFORNIA ELECTRICAL CODE (CEC).
12.

EXOTHERMIC WELDING IS REQUIRED FOR GROUNDING BELOW GRADE CONNECTIONS WHERE PRACTICAL.
13.

MECHANICAL, ABOVE GRADE CONNECTIONS MAY BE MADE USING COMPRESSION TYPE-2 HOLES. LONG BARREL LUGS OR DOUBLE CRIMP CLAMP "C" CLAMP. THE COPPER CABLES SHALL BE COATED WITH ANTIOXIDANT (COPPER SHIELD) BEFORE MAKING THE CONNECTIONS. THE MANUFACTURER'S TORQUE RECOMMENDATIONS ON THE BOLT ASSEMBLY TO SECURE CONNECTIONS SHALL BE FOLLOWED. ALL TWO HOLE LONG BARREL LUGS SHALL HAVE VIEW PORTS TO ENSURE PROPER INSTALLATION.
14.

PROVIDE PVC SLEEVES FOR GROUNDING CONDUCTORS AS NEEDED.
15.

GROUND ANTENNA BASES, FRAMES, CABLE RACKS AND OTHER METALLIC COMPONENTS WITH #2 GROUNDING CONDUCTORS AND CONNECT TO INSULATED SURFACE MOUNTED GROUND BARS. CONNECTION DETAILS SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS FOR GROUNDING.
16.

PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
17.

SURFACES TO BE CONNECTED TO GROUND CONDUCTORS SHALL BE CLEANED TO A BRIGHT SURFACE AT ALL CONNECTIONS.
18.

GROUND REQUIREMENTS:
5/8" SS, COPPER CLAD GROUNDING ROD-10' LENGTH
GROUND TESTED AT 5 OHMS OR LESS
#2 GROUND WIRE, SOLID, TINNED
HARDWOOD MOLDING, STAPLED TO POLE EVERY 2'-0" AND AT EACH END
GROUND RODS MUST BE 24" FROM POLE AND THE TOP OF ROD MUST BE BELOW GRADE LEVEL PER PLAN DETAILS.

LEGEND SYMBOLS:

	GROUNDING WIRE, DASHED LINE INDICATES UNDERGROUND		UTILITY METER
	AC POWER LINE, DASHED INDICATES UNDERGROUND		CIRCUIT BREAKER
	DC POWER LINE, DASHED INDICATES UNDERGROUND		FUSE
	TELEPHONE LINE, DASHED LINE INDICATES UNDERGROUND		DUPLEX RECEPTACLE WITH GFCI IN WEATHERPROOF ENCLOSURE
	COAXIAL CABLE, DASHED LINE INDICATES UNDERGROUND		CLAMP OR DOUBLE HOLE LUG TYPE GROUND CONNECTION
	FIBER CABLE, DASHED LINE INDICATES UNDERGROUND		EXOTHERMIC CONNECTION TO GROUND RING
	DETAIL REFERENCE DETAIL NO. 2 ON SHEET E3		DISCONNECT SWITCH
	GROUND ROD		
	GROUND ROD WITH ACCESS		

NOTES:

1.

ALL CONDUIT ROUTING IS SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT IMPEDED.
2.

CONDUIT SIZES INDICATED ON THE DRAWINGS ARE NOT NECESSARILY BASED ON THE MINIMUM SIZE ALLOWED BY THE CEC AND MAY BE PURPOSELY OVERSIZED FOR FUTURE CONDUCTORS OR TO AVOID CONDUCTOR HEATING. CONDUIT SIZES NOT CALLED OUT ON THE DRAWINGS SHALL BE SIZED BY THE CONTRACTOR, BASED ON THE ACTUAL NUMBER OF CONDUCTORS TO BE INSTALLED, USING THE CEC AS A GUIDE. IN NO CASE SHALL CONDUIT SIZES BE SMALLER THAN 1/2" DIAMETER.
3.

THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULLBOXES REQUIRED FOR THE INSTALLATION OF ELECTRICAL DEVICES AND EQUIPMENT, WHETHER OR NOT SPECIFICALLY INDICATED ON THE PLANS. SIZING OF THESE BOXES SHALL BE PER THE CEC.
4.

ALL ELECTRICAL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
5.

UTILITY ELECTRICAL SERVICE WILL BE 120/240 VOLTS OR 120/208 VOLTS, SINGLE PHASE, MIN. 30 AMPS CAPACITY. SEE PLANS FOR DETAILS.
6.

PROJECT CONDITIONS MAY REQUIRE REARRANGEMENT OF ELECTRICAL WORK, THE SUBCONTRACTOR SHALL INDICATE SUCH CHANGES ON THE AS-BUILT DRAWINGS, WHERE CHANGES REQUIRE ALTERNATE METHODS TO THOSE SPECIFIED IN THE PLANS, THE SUBCONTRACTOR SHALL REQUEST APPROVAL, AND SHALL NOT PROCEED UNTIL APPROVAL IS OBTAINED.
7.

CONTRACTOR SHALL PAINT ALL EXPOSED EXTERIOR CONDUITS AND JUNCTION BOXES TO MATCH EXISTING FINISH ON WHICH THEY ARE ATTACHED.
8.

FIBER TRUNKS AND/OR BACKHAUL LENGTHS AND ROUTES ARE NOT VERIFIED DURING THE SITE WALK. CONTRACTOR TO VERIFY ACTUAL ROUTE AND TRUNK LENGTH DURING PRE-CONSTRUCTION WALK.
9.

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.
10.

CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT, PULL WIRES, CABLE PULL BOXES, CONCRETE ENCASEMENT OF CONDUIT, TRANSFORMER PAD, BARRIERS, POLE RISER TRENCHING, BACK FILL, AND UTILITY FEES, AND INCLUDE REQUIREMENTS IN SCOPE.
11.

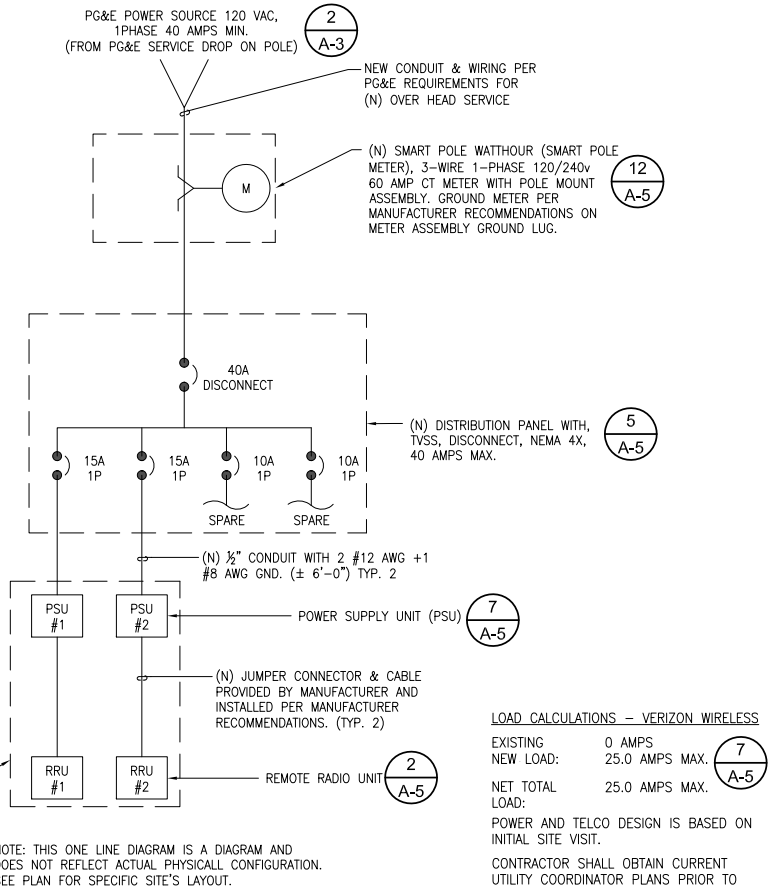
TEST ALL ELECTRICAL & GROUNDING SYSTEMS (CONTINUITY, MEGGER, ETC.) UPON COMPLETION OF INSTALLATION PRIOR TO FINALIZING WORK.
12.

CONTRACTOR TO VERIFY ALL CONDUIT ROUTING FOR, (N) VZW METER AND (N) GROUND ROD LOCATION WITH LANDLORD AND UTILITY COORDINATOR IN FIELD.
13.

CONDUIT REQUIREMENTS (TYP., U.N.O.): UNDERGROUND: PVC (SCHED. 40 OR 80). INDOOR: EMT (RGS IN TRAFFIC AREAS). OUTDOOR: (ABOVE GRADE) RGS.
14.

PROVIDE A MIN. 36" WORK CLEARANCE IN FRONT OF PANELS/ ELECTRICAL EQUIPMENT.

BREAKER LEGEND			
CIRCUIT #	DESCRIPTION	ACB	# POLES
1	PSU #1	15A 1P	10A 2P
2	PSU #2	15A 1P	10A 2P
3	SPARE	10A 1P	—
4	SPARE	10A 1P	—



SINGLE LINE DIAGRAM

24"x36" SCALE: NTS
11"x17" SCALE: NTS

1

NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

2

verizon
2785 MITCHELL DRIVE, BLDG. 9
WALNUT CREEK, CA 94598

SEQUOIA
DEPLOYMENT SERVICES, INC.
22471 ASPAN STREET, STE 290
LAKE FOREST, CA 92630

esite
concepts
10650 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
tel: (858) 433-7173 / (858) 433-7176

C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S SET
A	01/30/2019	90% CD'S SET
REV	DATE	DESCRIPTION

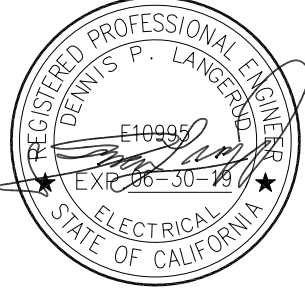
ISSUED DATE:

MAY 17, 2019

ISSUED FOR:

100% CD SET

LICENSURE:



PROJECT INFORMATION:

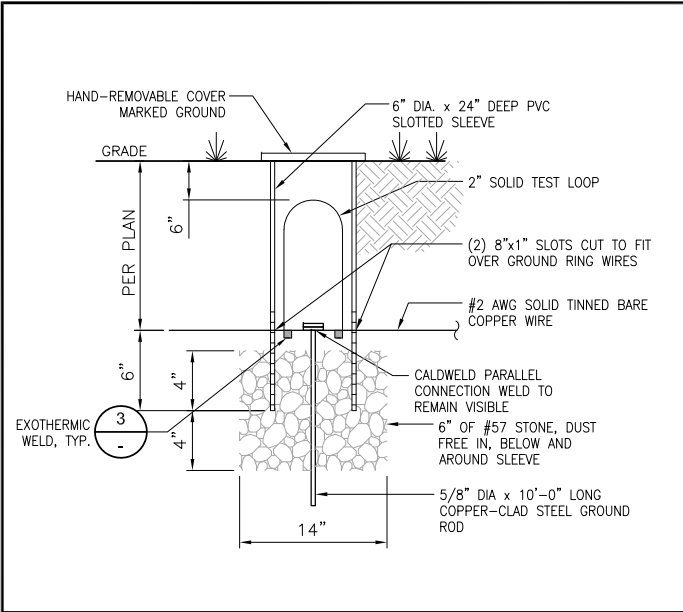
SOUTH CARMEL 001
LOCATION CODE: 428216
IFO A2 LOT 11 SAN ANTONIO AVE.,
CARMEL, CA 93923

DRAWN BY:	SAC
CHECKED BY:	RGG

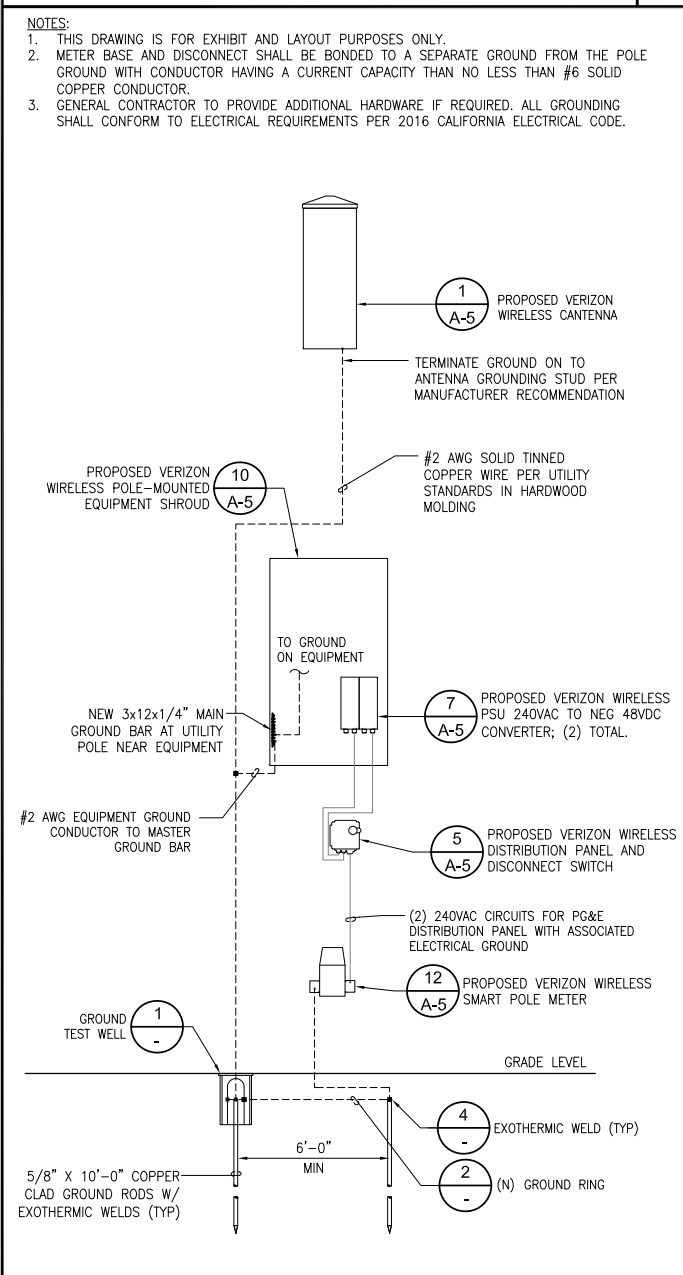
SHEET TITLE:
ELECTRICAL NOTES,
SINGLE LINE DIAGRAM &
PG&E DESIGN

SHEET NUMBER:

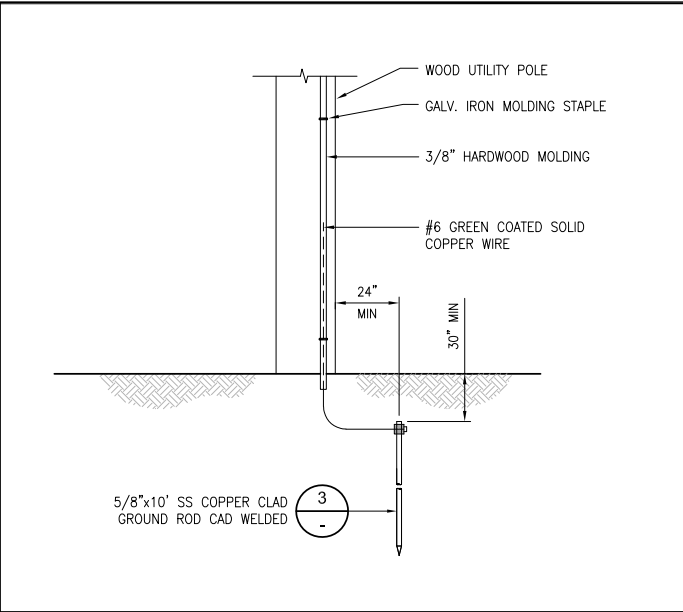
E-1



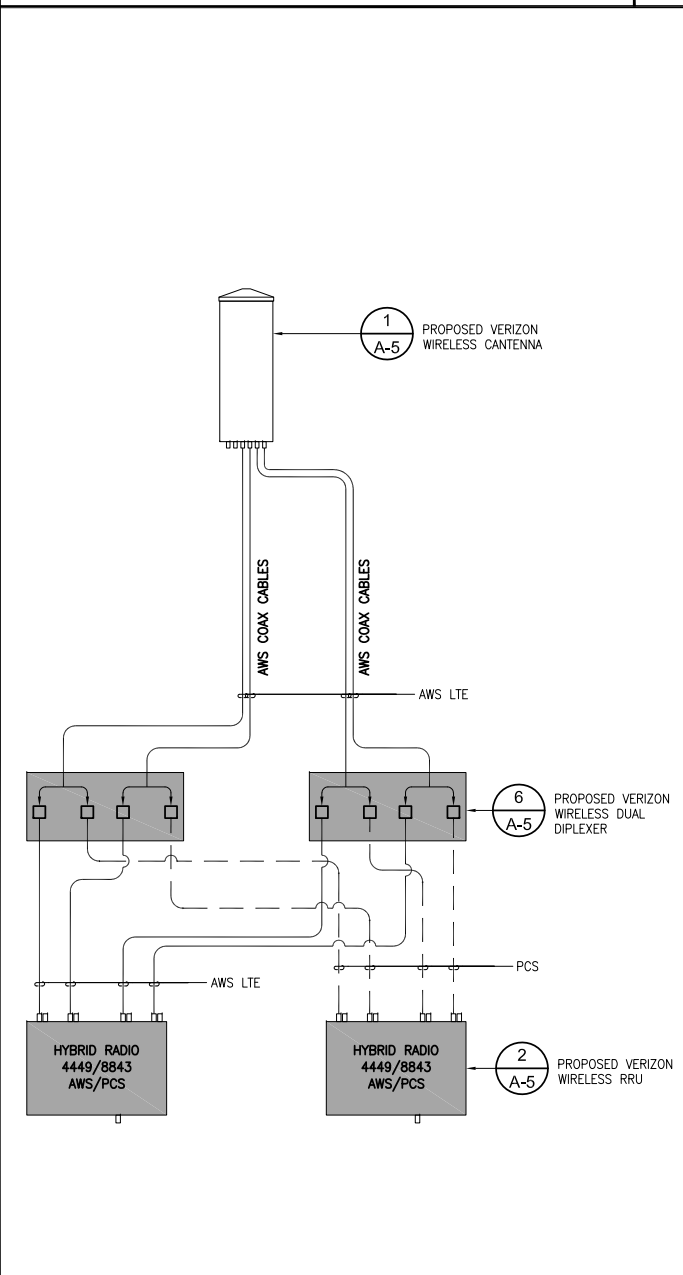
GROUND TEST WELL- TYPICAL 24"x36" SCALE: NTS 11"x17" SCALE: NTS **1**



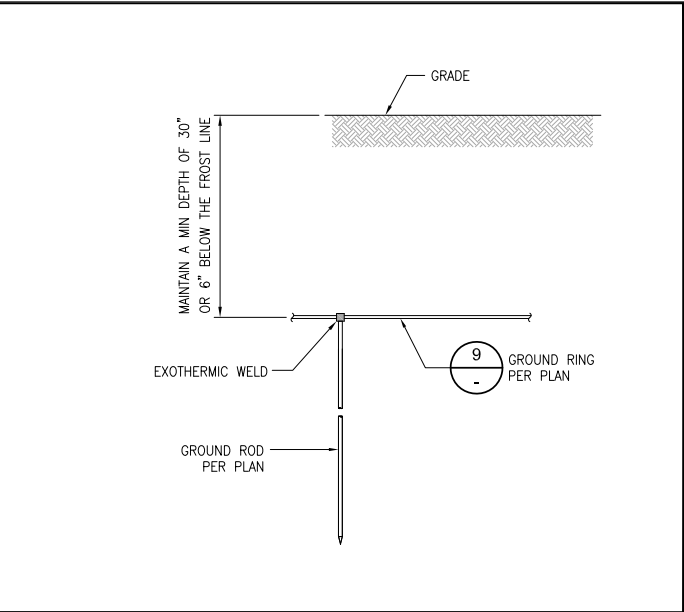
GROUNDING SCHEMATIC 24"x36" SCALE: NTS 11"x17" SCALE: NTS **9**



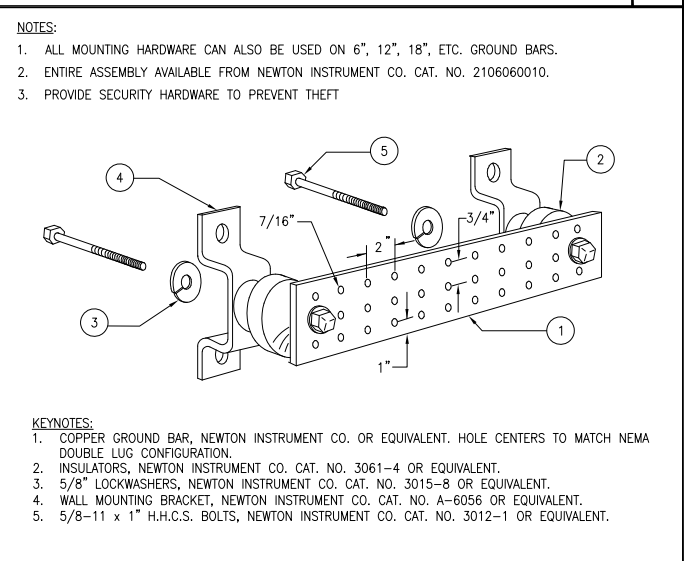
POLE GROUNDING 24"x36" SCALE: NTS 11"x17" SCALE: NTS **2**



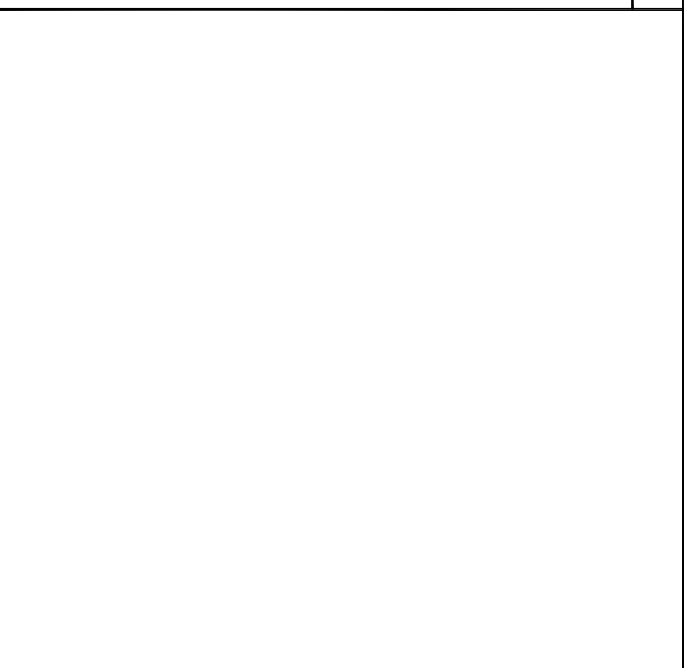
PLUMBING DIAGRAM 24"x36" SCALE: NTS 11"x17" SCALE: NTS **10**



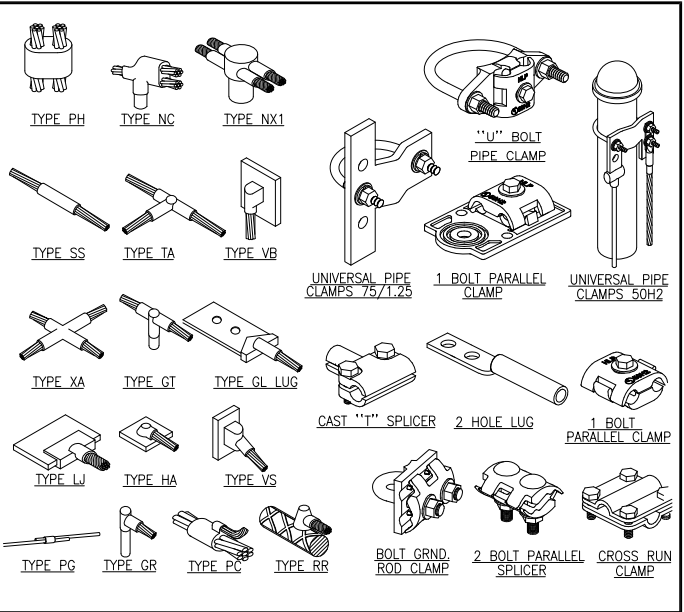
GROUND ROD/RING 24"x36" SCALE: NTS 11"x17" SCALE: NTS **3**



GROUND BUSS BAR 24"x36" SCALE: NTS 11"x17" SCALE: NTS **7**



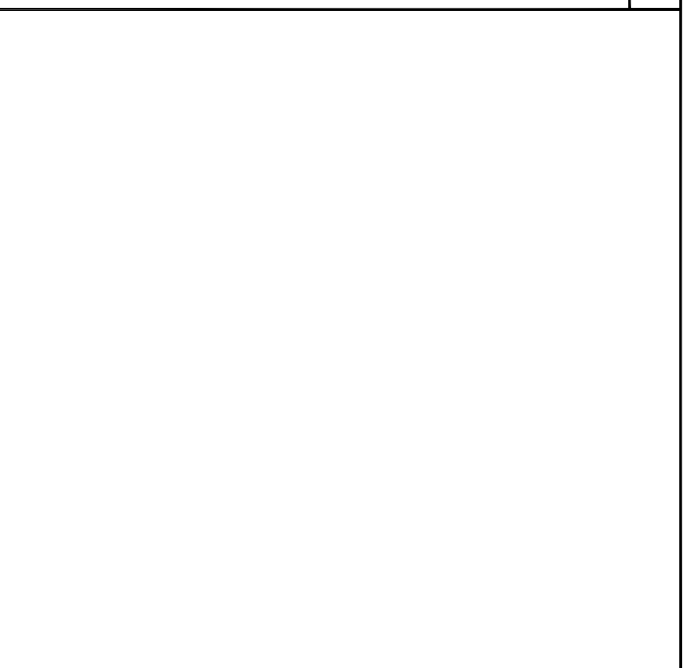
NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS **11**



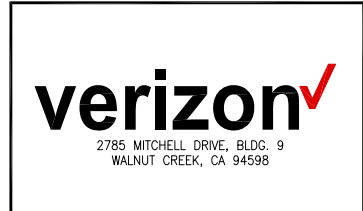
TYPICAL GROUNDING CONNECTIONS 24"x36" SCALE: NTS 11"x17" SCALE: NTS **4**



NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS **8**



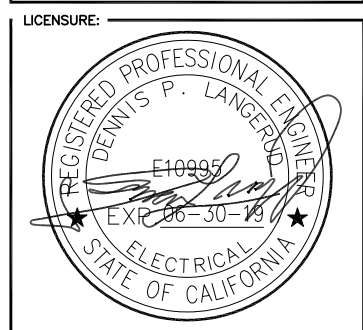
NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS **12**



REV	DATE	DESCRIPTION
C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S SET
A	01/30/2019	90% CD'S SET

ISSUED DATE: MAY 17, 2019

ISSUED FOR: 100% CD SET

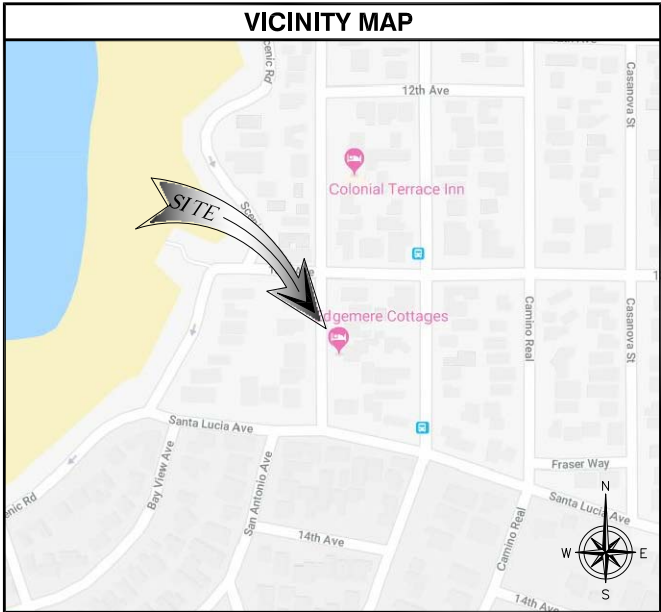


PROJECT INFORMATION: SOUTH CARMEL 001
LOCATION CODE: 428216
IFO A2 LOT 11 SAN ANTONIO AVE., CARMEL, CA 93923

DRAWN BY: SAC
CHECKED BY: RGG

SHEET TITLE: ELECTRICAL AND GROUNDING DETAILS

SHEET NUMBER: E-2



SITE INFORMATION	
POLE OWNER: ADDRESS:	PACIFIC GAS & ELECTRIC 245 MARKET ST., MAIL CODE N10D SAN FRANCISCO, CA 94105 CONTACT: DAVID ZENNER PH: (415) 847-0283
APPLICANT: ADDRESS:	VERIZON WIRELESS 2785 MITCHELL DRIVE, BLDG. 9 WALNUT CREEK, CA 94598
LATITUDE (NAD 83):	36° 32' 44.72" N
LONGITUDE (NAD 83):	121° 55' 40.02" W
GROUND ELEVATION:	±56.93' AMSL
ZONING JURISDICTION:	CITY OF CARMEL BY THE SEA
PROPOSED USE:	UNMANNED TELECOMMUNICATIONS FACILITY

PROJECT TEAM	
APPLICANT: VERIZON WIRELESS 2785 MITCHELL DRIVE, BLDG. 9 WALNUT CREEK, CA 94598 CONTACT: MICHELLE MARTINEA PHONE: (925) 588-9840 EMAIL: michelle.martinea@verizonwireless.com	SITE ACQUISITION: SEQUOIA DEPLOYMENT SERVICES, INC. 22471 ASPAN ST., SUITE #290 LAKE FOREST, CA 92630 CONTACT: CHELSEA MANUTO PHONE: (760) 445-1985 EMAIL: chelsea.manuto@sequoia-ds.com
RF ENGINEER: VERIZON WIRELESS 2785 MITCHELL DRIVE, BLDG. 9 WALNUT CREEK, CA 94598 CONTACT: DEWAYNE BONHAM PHONE: (510) 414-8896 EMAIL: dewayne.bonham@verizonwireless.com	CONSTRUCTION: SEQUOIA DEPLOYMENT SERVICES, INC. 22471 ASPAN ST., SUITE #290 LAKE FOREST, CA 92630 CONTACT: PETE SHUBIN PHONE: (714) 478-3197 EMAIL: pete.shubin@sequoia-ds.com
ARCHITECT/ENGINEERING: CELLSITE CONCEPTS 10650 SCRIPPS RANCH BLVD., SUITE 224 SAN DIEGO, CA 92131 CONTACT: REGGIE GABRIEL PHONE: (619) 200-7190 EMAIL: reggie.gabriel@cellsite.net	ZONING: SEQUOIA DEPLOYMENT SERVICES, INC. 22471 ASPAN ST., SUITE #290 LAKE FOREST, CA 92630 CONTACT: MICHAEL NAZAROFF PHONE: (562) 237-6380 EMAIL: michael.nazaroff@sequoia-ds.com

TRAFFIC CONTROL NOTE
THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11"x17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM OF FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A ROAD OR ALLEY CLOSURE.



DRAWING INDEX	
SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
T-2	NOTES AND SPECIFICATIONS
LS-1	TOPOGRAPHIC SURVEY
A-1	SITE PLAN
A-2	ENLARGED SITE PLAN AND EQUIPMENT / ANTENNA LAYOUTS
A-3	ARCHITECTURAL ELEVATIONS
A-4	ARCHITECTURAL ELEVATIONS
A-5	DETAILS
A-6	DETAILS
E-1	ELECTRICAL NOTES AND SINGLE LINE DIAGRAM
E-2	ELECTRICAL AND GROUNDING DETAILS

PROJECT DESCRIPTION
THE PROJECT CONSISTS OF INSTALLATIONS OF TELECOMMUNICATIONS EQUIPMENT FOR VERIZON WIRELESS TO COLLOCATE ON NEW PG&E POLE. THE INSTALLATIONS ENTAILS: <ul style="list-style-type: none">• REMOVE EXISTING 40' POLE IN RIGHT OF WAY• INSTALL (1) PROPOSED 50'-0" CLASS 3 WOOD POLE IN RIGHT OF WAY• INSTALL (1) PROPOSED VERIZON WIRELESS 4'-0" HIGH CANTENNA ON POLE• INSTALL (1) PROPOSED VERIZON WIRELESS CANTENNA MOUNTING BRACKET• INSTALL (1) PROPOSED VERIZON WIRELESS EQUIPMENT STANDOFF• INSTALL (1) PROPOSED VERIZON WIRELESS EQUIPMENT SHROUD WITH REMOTE RADIO UNITS (RRU), DIPLEXER(S), PSU(S) AND FIBER DEMARC.• INSTALL (1) PROPOSED VERIZON WIRELESS SMART POLE METER• INSTALL (1) PROPOSED VERIZON WIRELESS DISTRIBUTION PANEL AND DISCONNECT SWITCH• INSTALL ASSOCIATED CABLING AND GROUNDING

APPLICABLE CODES
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. <ul style="list-style-type: none">• CALIFORNIA ADMINISTRATIVE CODE (INCL TITLE 24 & 25)• 2016 CALIFORNIA BUILDING CODE• LOCAL BUILDING CODE• CITY/COUNTY ORDINANCES• ANSI/EIA-222-G LIFE SAFETY CODE NFPA-101• 2016 CALIFORNIA ELECTRICAL CODE• CA PUBLIC UTILITIES COMMISSION ORDER (GO 95 AND GO 128)

PROJECT TYPE: POLYGON

SOUTH CARMEL 002

IFO SAN ANTONIO AVE., 3SE 13TH AVE.,

CARMEL, CA 93923

LOCATION CODE: 428217

SITE: (PG&E POLE # TBD)

GENERAL NOTES		
1. LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES OR STRUCTURES NOT SHOWN OR NOT IN THE LOCATION SHOWN ON THE DRAWINGS.	10. CONTRACTOR SHALL NOTIFY THE JURISDICTION A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10 FEET OF ALL SEWER, WATER, AND STORM DRAIN MAIN INCLUDING ALL CROSSINGS.	21. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS EQUIPMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
2. THE CONTRACTORS SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.	11. "PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN PUBLIC RIGHT-OF-WAY, SATISFACTORY TO THE PERMIT-ISSUING AUTHORITY.	22. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
3. APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS BEEN ISSUED.	12. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE CITY FIELD ENGINEERING DIVISION PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARK-OUTS AND SURVEYING.	23. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT.
4. UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE ENGINEERING DEPARTMENT.	13. MANHOLES OR COVERS SHALL BE LABELLED "NAME OF COMPANY".	24. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
5. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT FROM DAMAGING EXISTING IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE. CONTRACTOR SHALL, AT HIS OWN EXPENSE, REPAIR, REPLACE OR RECONSTRUCT ALL SUCH IMPROVEMENTS OR OTHER STRUCTURES DAMAGED BY HIS WORK, TO THE ENGINEER'S SATISFACTION.	14. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROGRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES. THE PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD.	25. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED/DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK, SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT OR ENGINEER AT COMPLETION OF PROJECT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FILE LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR. A CORNER RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FIELD AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE JURISDICTION'S FIELD SURVEY DIVISION MUST BE NOTIFIED, IN WRITING, AT LEAST 3 DAYS FROM OCCURRENCE. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.	15. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.	26. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH THE CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1 FOOT MINIMUM VERTICAL CLEARANCE.	16. THE CONTRACTOR SHALL VERIFY LOCATION ALL EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS & WATER SERVICES TO INDIVIDUAL LOTS OF BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENTS OPERATIONS.	
8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.	17. LOCATION AND ELEVATIONS OF IMPROVEMENTS, TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK.	
9. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPPING DAMAGED DURING CONSTRUCTION.	18. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.	
	19. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.	
	20. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY ORDERS.	

ACCESSIBILITY NOTE
THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS NEW. THE TELECOMMUNICATIONS EQUIPMENT SPACE SHOWN ON THESE PLANS IS NOT CUSTOMARILY OCCUPIED. WORK TO BE PERFORMED IN THIS FACILITY CANNOT REASONABLY BE PERFORMED BY PERSONS WITH A SEVERE IMPAIRMENT: MOBILITY, SIGHT, AND/OR HEARING. THEREFORE, PER 2016 CALIFORNIA BUILDING CODE SECTION 1105B.3.4, AND/OR 11B-203.5 OF 2016 CALIFORNIA BUILDING CODE, EXCEPTION 1, THIS FACILITY SHALL BE EXEMPTED FROM ALL TITLE 24 ACCESS REQUIREMENTS.

DO NOT SCALE DRAWINGS
SUBCONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD 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.

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2785 MITCHELL DRIVE, BLDG. 9
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SEQUOIA
DEPLOYMENT SERVICES, INC.
22471 ASPAN STREET, STE 290
LAKE FOREST, CA 92630

10650 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
tel: (858) 433-7173 / (858) 433-7176

C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S SET
A	02/01/2019	90% CD'S SET
REV	DATE	DESCRIPTION

ISSUED DATE:
MAY 17, 2019

ISSUED FOR:
100% CD SET

LICENSURE:

PROJECT INFORMATION:
SOUTH CARMEL 002
LOCATION CODE: 428217
IFO SAN ANTONIO AVE.,
3SE 13TH AVE.,
CARMEL, CA 93923

DRAWN BY:	SAM
CHECKED BY:	RGG

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

AB	ANCHOR BOLT	JT	JOINT
AC	ASPHALTIC CONCRETE	LAM	LAMINATED
A/C	AIR CONDITIONING	LBS	POUNDS
ADJ	ADJUSTABLE	LT	LIGHT
A.F.F.	ABOVE FINISH FLOOR	LA	LIGHTNING ARRESTOR
ARCH	ARCHITECTURAL	LNA	LOW NOISE AMPLIFIER
APPROX	APPROXIMATELY		
A.G.L.	ABOVE GRADE LEVEL	MFR	MANUFACTURER
A.M.S.L.	ABOVE MEAN SEA LEVEL	MAT	MATERIAL
		MAX	MAXIMUM
BD	BOARD	MECH	MECHANICAL
BLDG	BUILDING	MIN	MINIMUM
BLKG	BLOCKING	MISC	MISCELLANEOUS
BOT	BOTTOM	ML	METAL LATH
BMS	BASEMENT	MO	MASONRY OPENING
BTS	BALANCE TRANSCIVER STATION	MS	MACHINE SCREW
		MTD	MOUNTED
		MTL	METAL
C	COURSE(S)	(N)	
CEM	CEMENT	NIC	NEW
CL	CHAIN LINK	NOT	NOT IN CONTRACT
CLG	CEILING	NO	NUMBER
CLR	CLEAR	NTS	NOT TO SCALE
COL	COLUMN		
CONC	CONCRETE	OA	OVERALL
CONST	CONSTRUCTION	O.C.	ON CENTER
CONT	CONTINUOUS	OPNG	OPENING
CORR	CORRIDOR	OPP	OPPOSITE
CO	CONDUIT ONLY		
		PARTN	PARTITION
DIA	DIAMETER	PL	PLATE
DBL	DOUBLE	PLAS	PLASTER
DEPT	DEPARTMENT	PLYWD	PLYWOOD
DEMO	DEMOLITION	POC	POINT OF CONNECTION
DIM	DIMENSION	PROP	PROPERTY
DN	DOWN	PT	PRESSURE TREATED
DR	DOOR		
DTL	DETAIL	R	RISER
DWG	DRAWING	REQD	REQUIRED
		RD	ROOF DRAIN
		RM	ROOM
(E)	EXISTING	RMS	ROOMS
EA	EACH	RO	ROUGH OPENING
ELEC	ELECTRIC		
ELEV	ELEVATION	SC	SOLID CORE
EQUIP	EQUIPMENT	SCHED	SCHEDULE
EXP	EXPANSION	SECT	SECTION
EXT	EXTERIOR	SHT	SHEET
		SIM	SIMILAR
FB	FIRE ALARM	SPECS	SPECIFICATIONS
FA	FLAT BAR	SS	STAINLESS STEEL
FF	FINISH FLOOR	STL	STEEL
FH	FLAT HEAD	STOR	STORAGE
FIN	FINISH(ED)	STRUCT	STRUCTURAL
FLR	FLOOR	SUSP	SUSPENDED
FOS	FACE OF STUDS	SW	SWITCH
FS	FINISH SURFACE	SWB	SWITCHBOARD
FTG	FOOT, FEET		
FTG	FOOTING	THK	THICK
FW	FINISH WALL	TI	TENANT IMPROVEMENT
F.W.	FINISH GRADE	TMA	TOWER MOUNTED AMP
FUT	FUTURE	TOS	TOP SURFACE
		TS	TUBE STEEL
		TP	TYPICAL
GA	GAUGE		
GALV	GALVANIZED	UNO	UNLESS NOTED
GL	GLASS		OTHERWISE
GR	GRADE		
GYP	GYP-SUM	VCT	VINYL COMPOSITION TILE
GFCI	GROUND FAULT CIRCUIT INTERRUPT	VERT	VERTICAL
GND	GROUND	V.I.F.	VERIFY IN FIELD
		VG	VERTICAL GRAIN
HC	HOLLOW CORE	W/	WITH
HDW	HARDWARE	WD	WOOD
HTR	HEATER	WR	WATER RESISTANT
HM	HOLLOW METAL	WT	WEIGHT
HORIZ	HORIZONTAL		
HR	HOUR	XFMR	TRANSFORMER
HSS	HOLLOW STRUCTURAL SECTION	⊙	AT
HT	HEIGHT	└	CHANNEL
HV	HIGH VOLTAGE	⌒	CENTERLINE
		∠	ANGLE
ID	INSIDE DIMENSION	ℓ	PROPERTY LINE
INS	INSULATION		
INT	INTERIOR		

SECTION NUMBER


SHEET NUMBER

BUILDING SECTION
REFERENCE

DETAIL NUMBER

SHEET NUMBER

DETAIL REFERENCE


 SECTION NUMBER _____
 SHEET NUMBER _____

DETAIL SECTION
REFERENCE

DETAIL NUMBER

SHEET NUMBER

EXTERIOR ELEVATION
REFERENCE

PROPERTY LINE

— X — X — X —

FENCING

— E — E — E —

ELECTRICAL SERVICE

— F — F — F —

FIBER SERVICE

— — — E/F — — — — E/F — — — —

ELECTRICAL/FIBER SERVICE

- PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
2. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT/ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
3. CONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER, T1 OR FIBER CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. CONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. CONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR. ROUTING OF TRENCHING SHALL BE APPROVED BY CONTRACTOR
4. ALL MATERIALS AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE BUILDING CODE AND ALL OTHER GOVERNING CODES. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.
5. THE CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES AS THEY MAY BE DISCOVERED IN THE PLANS, SPECIFICATIONS, & NOTES PRIOR TO STARTING CONSTRUCTION, INCLUDING BUT NOT LIMITED BY DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERROR, OMISSION, OR INCONSISTENCY AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER AND SHALL INCUR ANY EXPENSES TO RECTIFY THE SITUATION. THE METHOD OF CORRECTION SHALL BE APPROVED BY THE ARCHITECT/ENGINEER.
6. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR OR SUBCONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGE TO THE UTILITIES CAUSED DURING THE EXECUTION OF THE WORK. NO WORK IS REQUIRED FOR THE PROPER EXECUTION OF THE WORK. UTILITIES SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW.
7. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND SHALL BE CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER.
8. A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORMATION AS THE APPROVED PLANS. THE CONTRACTOR SHALL ALSO MAINTAIN ONE SET OF PLANS AT THE SITE FOR THE PURPOSE OF DOCUMENTING ALL AS-BUILT CHANGES, REVISIONS, ADDENDUMS, OR CHANGE ORDERS. THE CONTRACTOR SHALL FORWARD THE AS-BUILT/HIRED DRAWINGS TO THE ARCHITECT/ENGINEER AT THE CONCLUSION OF THE PROJECT.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE THE WORK IS IN PROGRESS UNTIL THE JOB IS COMPLETE.
10. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER, AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER OR GOVERNING AGENCY.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON, NOR PROVIDE DIRECTION, AS TO SAFETY PRECAUTIONS AND PROGRAMS.
12. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, SEQUENCING, AND COORDINATING ALL PORTIONS OF THE WORK UNDER THE PROJECT. FURTHERMORE, THE STRUCTURE IS DESIGNED AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
13. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS WITH RESPECT TO THE WORK TO COMPLETE THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE FILED BY THE OWNER OR HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN THE PERMIT AND MAKE FINAL PAYMENT OF SAID DOCUMENT(S).
14. ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE UNLESS OTHERWISE NOTED.
15. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY FRAMING, BACKING, HANGERS, BLOCKING OR SUPPORTS FOR INSTALLATION OF ITEMS INDICATED ON THE DRAWINGS.
16. NEW CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR EXCEPT AS NOTED IN THE PLANS.
17. WHERE SPECIFIED, MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR RECORDING THE RESULTS.
18. ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.
19. ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY STANDARDS. IF A CONTRACTOR HAS A QUESTION REGARDING THEIR EXACT MEANING, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED FOR CLARIFICATIONS.
20. CONTRACTORS SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.
21. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTION OF THE WORK TO THE EXISTING WORK.
22. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING (SHEET L51), SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DETERMINED ON THE SURVEY, THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT/ENGINEER.
23. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT/ENGINEER. UNAUTHORIZED CHANGES RENDER THESE DRAWINGS VOID. THIS INCLUDES THAT THE CONTRACTOR SHALL NOT BE RELIEVED OF ANY DEVIATION FROM THE PLANS BY THE PROFESSIONAL'S OF RECORD REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC. UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION IN WRITING AT THE TIME OF SUBMISSION, AND THE PROFESSIONAL OF RECORD HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
24. ANY REFERENCE TO THE WORDS "APPROVED" OR "APPROVAL" IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE CONTRACTOR AND/OR HIS SUB-CONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFIED.
25. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.

1. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE DESIRED LOCATIONS OR ARRANGEMENTS OF CONDUIT RUNS, OUTLETS, EQUIPMENT, ETC., AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE. PROPER JUDGEMENT MUST BE EXERCISED IN EXECUTING THE WORK SO AS TO SECURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE LIMITATIONS OR INTERFERENCE OF STRUCTURE CONDITIONS ENCOUNTERED.
2. IN THE EVENT CHANGES IN THE INDICATED LOCATIONS OR ARRANGEMENTS ARE NECESSARY, DUE TO FIELD CONDITIONS IN THE BUILDING CONSTRUCTION OR REARRANGEMENT OF FURNISHINGS OR EQUIPMENT, SUCH CHANGES SHALL BE MADE WITHOUT COST, PROVIDING THE CHANGE IS ORDERED BEFORE THE CONDUIT RUNS, ETC., AND WORK DIRECTLY CONNECTED TO THE SAME IS INSTALLED AND NO EXTRA MATERIALS ARE REQUIRED.
3. COORDINATE THE WORK OF THIS SECTION WITH THAT OF ALL OTHER TRADES, WHERE CONFLICTS OCCUR, CONSULT WITH THE RESPECTIVE CONTRACTOR AND COME TO AGREEMENT AS TO CHANGES NECESSARY, OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER FOR THE PROPOSED CHANGES BEFORE PROCEEDING.

1. TELEPHONE AND ELECTRICAL METERING FACILITIES SHALL CONFORM TO THE REQUIREMENTS OF THE SERVING UTILITY COMPANIES. CONTRACTOR SHALL VERIFY SERVICE LOCATIONS AND REQUIREMENTS. SERVICE INFORMATION WILL BE FURNISHED BY THE SERVING UTILITIES.
2. CONFORM TO ALL REQUIREMENTS OF THE SERVING UTILITY COMPANIES

verizon
2785 MITCHELL DRIVE, BLDG. 9
WALNUT CREEK, CA 94598



C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S SET
A	02/01/2019	90% CD'S SET
REV	DATE	DESCRIPTION

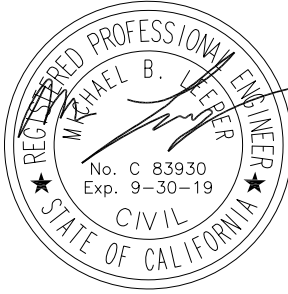
ISSUED DATE:

MAY 17, 2019

ISSUED-FOR:

100% CD SET

LICENSURE:



PROJECT INFORMATION:

SOUTH CARMEL 002

LOCATION CODE: 428217

IFO SAN ANTONIO AVE.,
3SE 13TH AVE.,
CARMEL, CA 93923

DRAWN BY:

SAM

CHECKED BY:

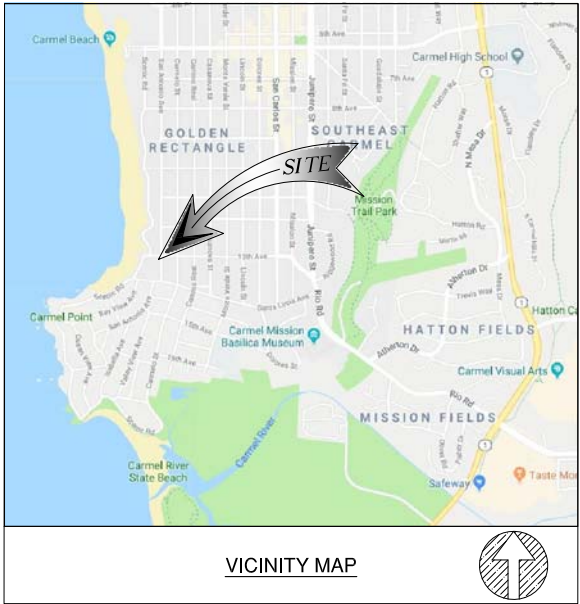
RGG

SHEET TITLE:

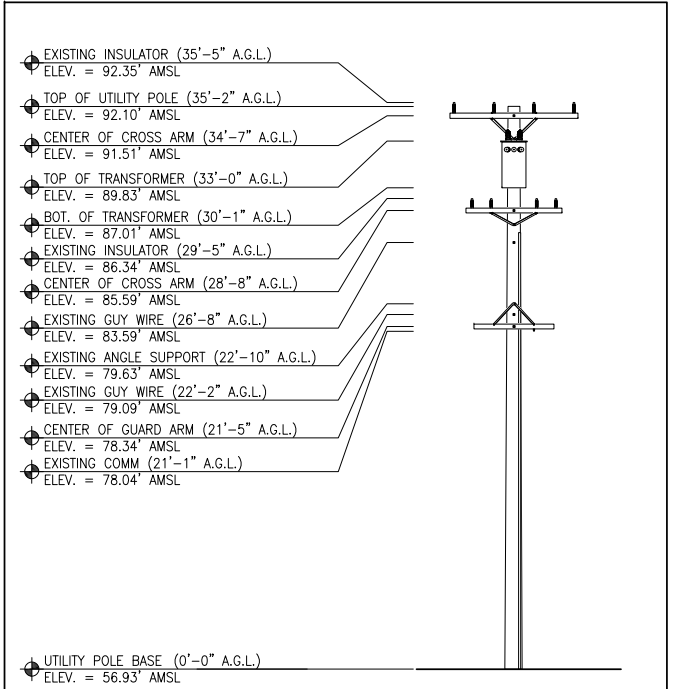
NOTES AND SPECIFICATIONS

SHEET NUMBER:

T-2



- NOTES:
1. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP. THE PROPERTY LINES AND EASEMENTS SHOWN HEREON ARE FROM RECORD INFORMATION AS NOTED HEREON. CELLSITE CONCEPTS TRANSLATED THE TOPOGRAPHIC SURVEY TO RECORD INFORMATION USING FOUND MONUMENTS SHOWN HEREON. THE LOCATION OF PROPERTY LINES SHOWN HEREON ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY. THEY ARE NOT TO BE RELIED UPON AS THE ACTUAL BOUNDARY LINES.
 2. ANY CHANGES MADE TO THE INFORMATION ON THIS PLAN, WITHOUT THE WRITTEN CONSENT OF CELLSITE CONCEPTS, RELIEVES CELLSITE CONCEPTS OF ANY AND ALL LIABILITY.
 3. THE HEIGHTS AND ELEVATIONS FOR THE TREES, BUSHES AND OTHER LIVING PLANTS SHOWN HEREON, SHOULD BE CONSIDERED APPROXIMATE (+/-) AND ONLY FOR THE DATE OF THIS SURVEY. THEY ARE PROVIDED AS A GENERAL REFERENCE AND SHOULD NOT BE USED FOR DESIGN PURPOSES.
 4. RIGHT-OF-WAY WAS ESTABLISHED BY LOCATING FOUND CENTERLINE CITY OR COUNTY MONUMENTS. IF CENTERLINE MONUMENTS WERE NOT LOCATABLE, THE CENTERLINE OFFSET TIES WERE USED TO ESTABLISH THE INTERSECTIONS. IF NEITHER CENTERLINE TIES OR CENTERLINE INTERSECTION MONUMENTS WERE LOCATABLE, EXISTING IMPROVEMENTS WERE USED TO ESTABLISH RIGHT-OF-WAY.
 5. ALL SHOWN RIGHT-OF-WAY WERE BASED UPON RESEARCH AT COUNTY OR CITY FILES AND REFLECT THE LATEST RECORDED MAPS, RECORDS OF SURVEY, PARCEL MAPS OR OTHER RECORDS. RIGHT-OF-WAY WILL NOT REFLECT ANY DEDICATION, TAKEN OR OFFERED AFTER THE THE RECORD MAP USED. ALL SURVEYS WERE COMPLETED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND MAY NOT SHOW ADDITIONAL DEDICATIONS NOT SHOWN ON THE RECORD MAPS USED.
 6. WRITTEN DIMENSIONS SHALL TAKE PREFERENCE OVER SCALED & SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE SURVEYOR PRIOR TO COMMENCEMENT OF ANY WORK.
 7. FIELD SURVEY COMPLETED ON DECEMBER 16, 2018



BASIS OF BEARING

THE CENTERLINE OF SAN ANTONIO AVENUE BEARING SOUTH WAS USED AS BASIS OF BEARING FOR THIS SURVEY.

BASIS OF ELEVATIONS: (NAVD 1988)

ELEVATIONS ARE BASED ON CALVRS G.P.S. BROADCAST COORDINATE VALUES FOR 2017, NAVD 88

FLOOD ZONE

SITE IS LOCATED IN FLOOD ZONE "X" AS PER F.I.R.M. MAP NO. 06053C0316H EFFECTIVE DATE 06/21/2017

LEGEND

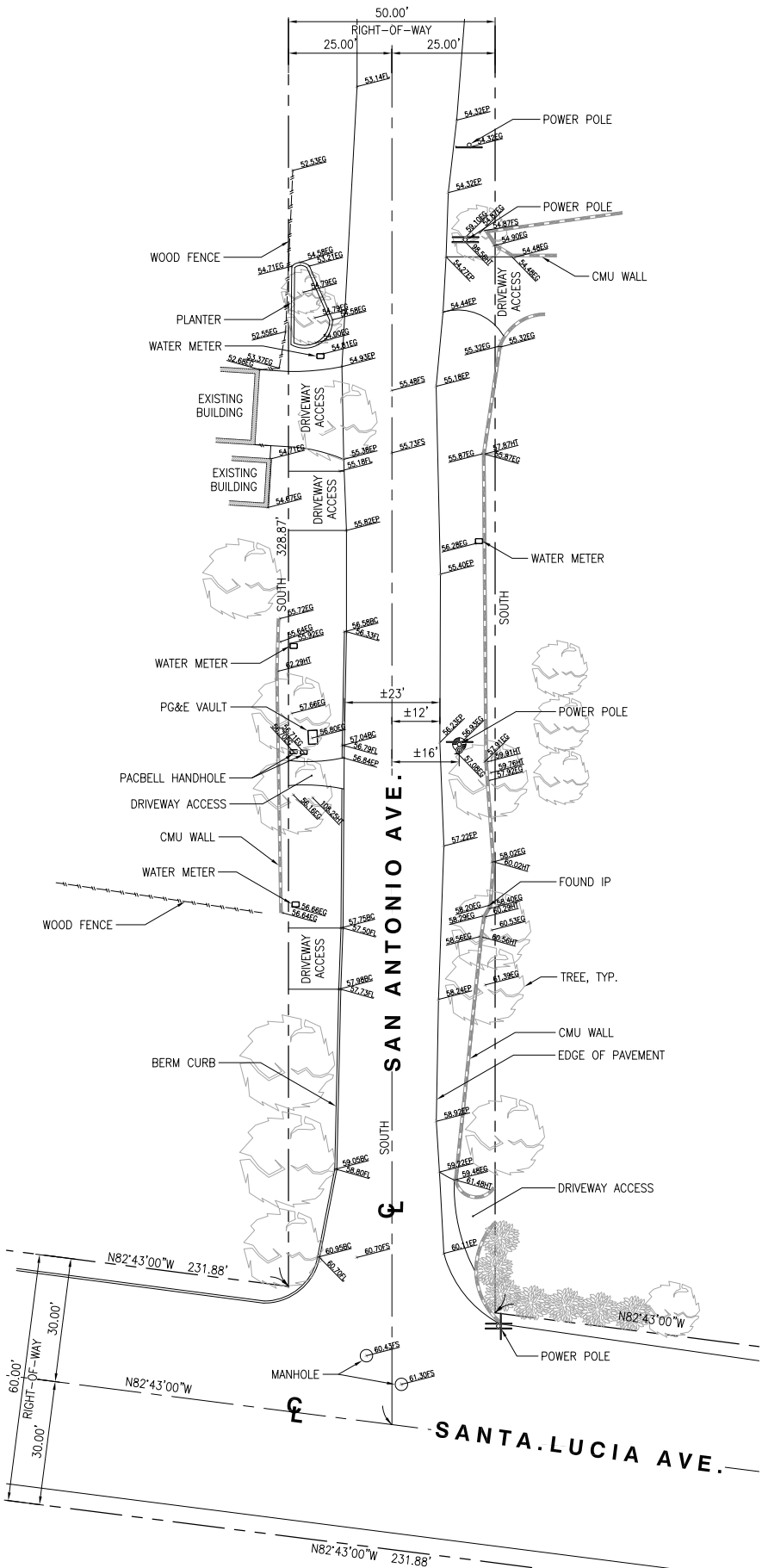
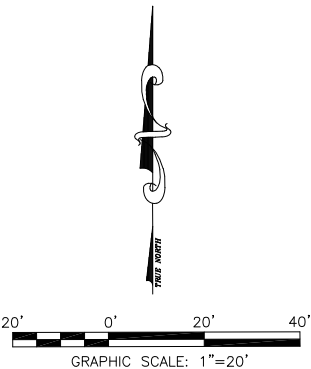
- LEGEND
- CENTER LINE
 - PROPERTY LINE
 - CHAIN-LINK FENCE
 - WOOD FENCE
 - WROUGHT IRON FENCE
 - EASEMENT LINE
 - RETAINING WALL
 - TC
 - FL
 - FS
 - EG
 - HT
 - EP
 - BW
 - EXISTING STREET LIGHT
 - EXISTING TRAFFIC SIGNAL
 - EXISTING SIGN
 - GUY WIRE
 - CATCH BASIN
 - POWER POLE
 - FIRE HYDRANT
 - PINE TREE
 - PALM TREE
 - TREE
 - BUSH
 - EXISTING CONCRETE
 - EXISTING GRASS/TURF

MONUMENTS

- MONUMENT FD.

COORDINATES

LATITUDE: 36°32'44.72"N (36.545756)
LONGITUDE: 121°55'40.02"W (-121.927783)



verizon
2785 MITCHELL DRIVE, BLDG. 9
WALNUT CREEK, CA 94598

SEQUOIA
DEPLOYMENT SERVICES, INC.
22471 ASPAN STREET, STE 290
LAKE FOREST, CA 92630

cellsit
concepts
10650 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
tel: (858) 433-7173 / (858) 433-7176

REV	DATE	DESCRIPTION
1	12/18/2018	FINAL SURVEY

ISSUED DATE:
DECEMBER 18, 2018

ISSUED FOR:
FINAL SURVEY



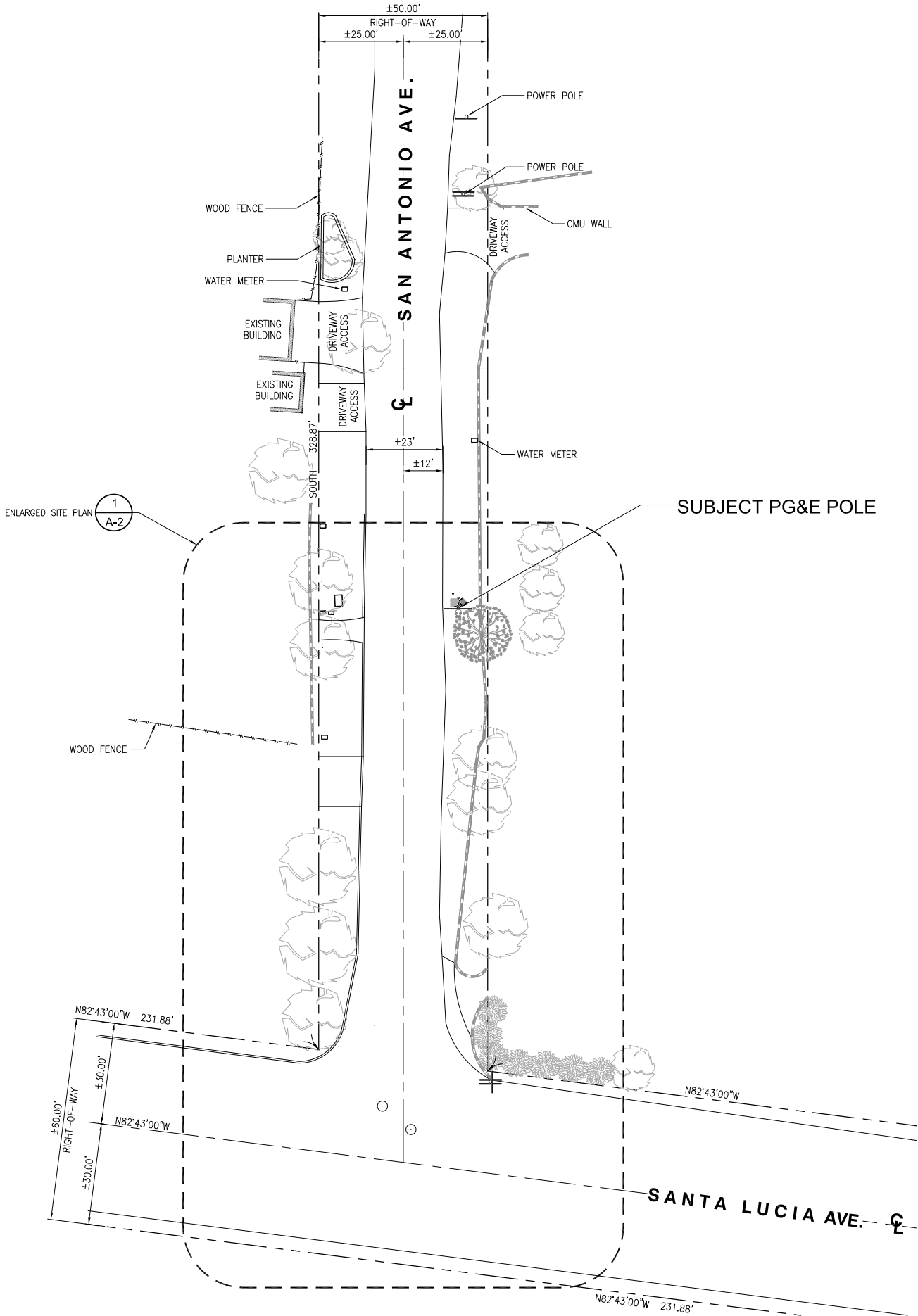
PROJECT INFORMATION:
SOUTH CARMEL 002
LOCATION CODE: 428217
IFO SAN ANTONIO AVE.,
3SE 13TH AVE.,
CARMEL, CA 93923

DRAWN BY: ABR
CHECKED BY: ET

SHEET-TITLE:
TOPOGRAPHIC
SURVEY

SHEET-NUMBER:
LS-1

- SITE NOTES:
1. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT/ ENGINEER.
 2. CONTRACTOR TO VERIFY LOCAL UTILITY REQUIREMENTS FOR DEPTH, SIZES, AND SEPARATION OF CONDUITS PRIOR TO INSTALLATION. NOTIFY CONSTRUCTION MANAGER IMMEDIATELY OF ANY DISCREPANCIES.
 3. PROPOSED UTILITY SERVICES SHOWN NEED TO BE VERIFIED AND APPROVED BY UTILITY COMPANIES BEFORE START OF CONSTRUCTION. CONTRACTOR TO VERIFY WITH CLIENT PROJECT MANAGER TO OBTAIN FINAL APPROVAL.
 4. VERIFY, LOCATE, AND PROTECT ALL EXISTING SUBSTRUCTURES AS REQUIRED. CALL DIG ALERT @ (800) 227-2600 48 HOURS BEFORE ANY EXCAVATION. CONTRACTOR IS RESPONSIBLE TO HAVE ALL NON-PUBLIC UTILITIES LOCATED AT THEIR OWN EXPENSE.
 5. CONTRACTOR SHALL IMMEDIATELY INFORM CLIENT OF ANY ACCIDENTAL DAMAGE TO EXISTING UTILITIES VIA PHONE OR EMAIL REGARDLESS OF ABILITY TO REPAIR OR MITIGATE. A FOLLOW-UP EMAIL REPORT WITH DIGITAL PHOTOS WILL BE REQUIRED DAILY UNTIL RESOLUTION HAS BEEN ACCEPTED BY CLIENT, AFFECTED SERVICE PROVIDERS, AND RECIPIENTS. AT THEIR OWN EXPENSE, CONTRACTOR WILL EXERCISE ALL EFFORTS TO HAVE REPAIRS MADE BY QUALIFIED TECHNICIANS AS APPROVED BY SERVICE PROVIDER.
 6. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE REFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER, FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
 7. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
 8. ANY DRAIN AND /OR FIELD TILE ENCOUNTERED/DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK, SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT OR ENGINEER AT COMPLETION OF PROJECT.
 9. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH THE CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
 10. NEW CONDUITS SHALL BE INSTALLED IN TRENCH SUCH THAT THE TOP OF CONDUIT SHALL HAVE A MINIMUM COVER OF 30-INCHES BELOW ADJACENT EDGE OF PAVEMENT OR ORIGINAL GROUND, WHICHEVER IS LOWER IN ELEVATION.
 11. ALL PULL BOXES SHALL BE PRECAST REINFORCED CONCRETE AND HAVE NON CONDUCTIVE LIDS. EXISTING PULL BOX COVERS THAT ARE MARKED INCORRECTLY SHALL BE REPLACED.
 12. REGRADE LANDSCAPING AS NEEDED AND REPLACE DAMAGED IRRIGATION LINES WITHIN 24 HOURS.



SITE PLAN

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"



verizon
2785 MITCHELL DRIVE, BLDG. 9
WALNUT CREEK, CA 94598

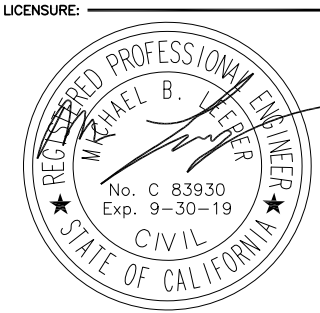
SEQUOIA
DEPLOYMENT SERVICES, INC.
22471 ASPAN STREET, STE 290
LAKE FOREST, CA 92630

esite
concepts
10650 SCRIPPS RANCH BLVD., SUITE 224
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tel: (858) 433-7173 / (858) 433-7176

C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S SET
A	02/01/2019	90% CD'S SET
REV	DATE	DESCRIPTION

ISSUED DATE:
MAY 17, 2019

ISSUED FOR:
100% CD SET



PROJECT INFORMATION:
SOUTH CARMEL 002
LOCATION CODE: 428217
IFO SAN ANTONIO AVE.,
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CARMEL, CA 93923

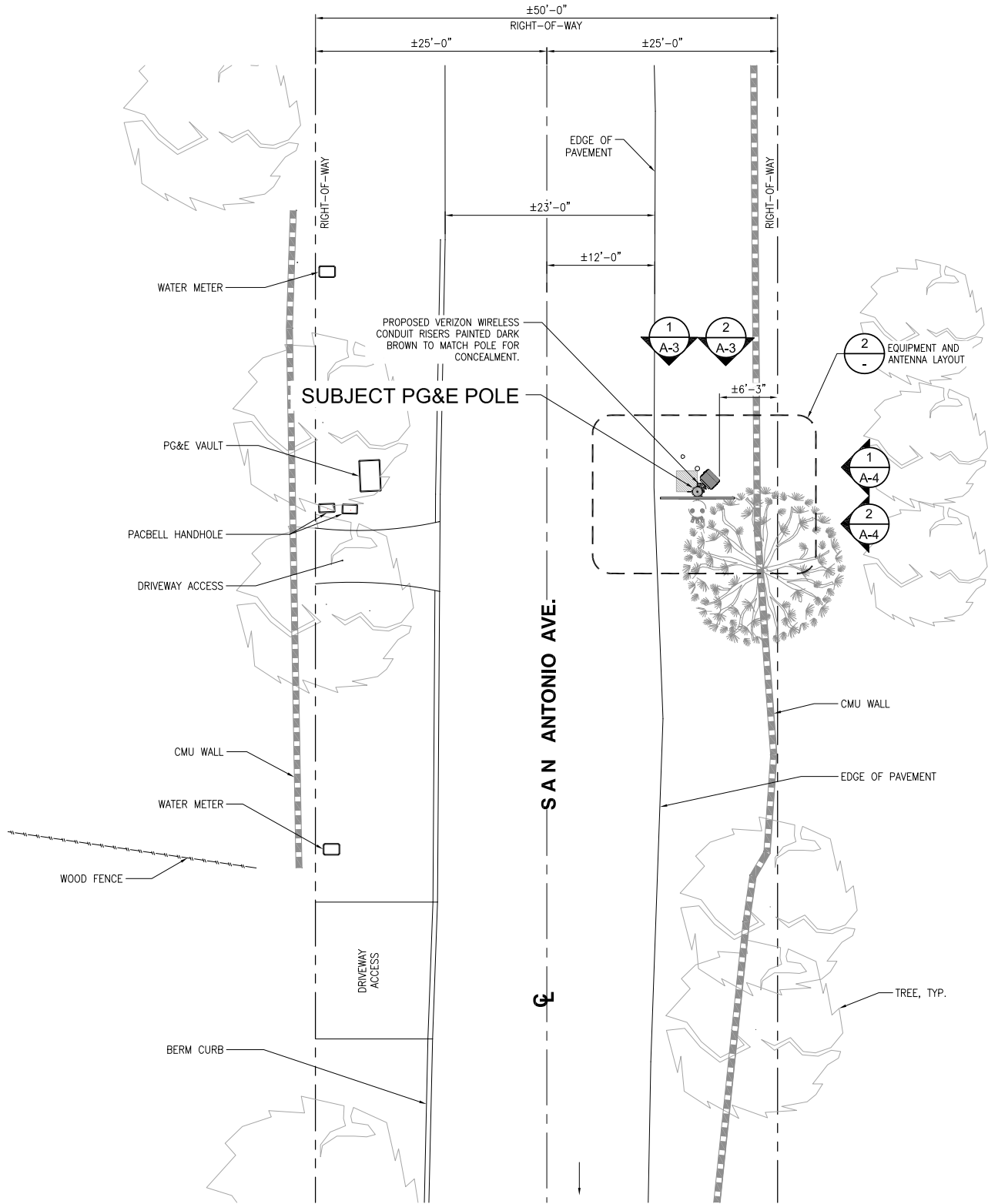
DRAWN BY: SAM
CHECKED BY: RGG

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
A-1

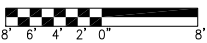
UNDERGROUND UTILITIES NOTE:

ALL EXISTING SUB-SURFACE UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM FIELD SURVEY AND/OR AVAILABLE RECORDS, THE ARCHITECT/ ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR THE DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES. THERE MAY BE EXISTING UTILITIES OTHER THAN THOSE SHOWN ON THIS PLAN. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINE SHOWN AND ANY OTHER LINES NOT SHOWN ON THIS PLAN.



ENLARGED SITE PLAN

24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"

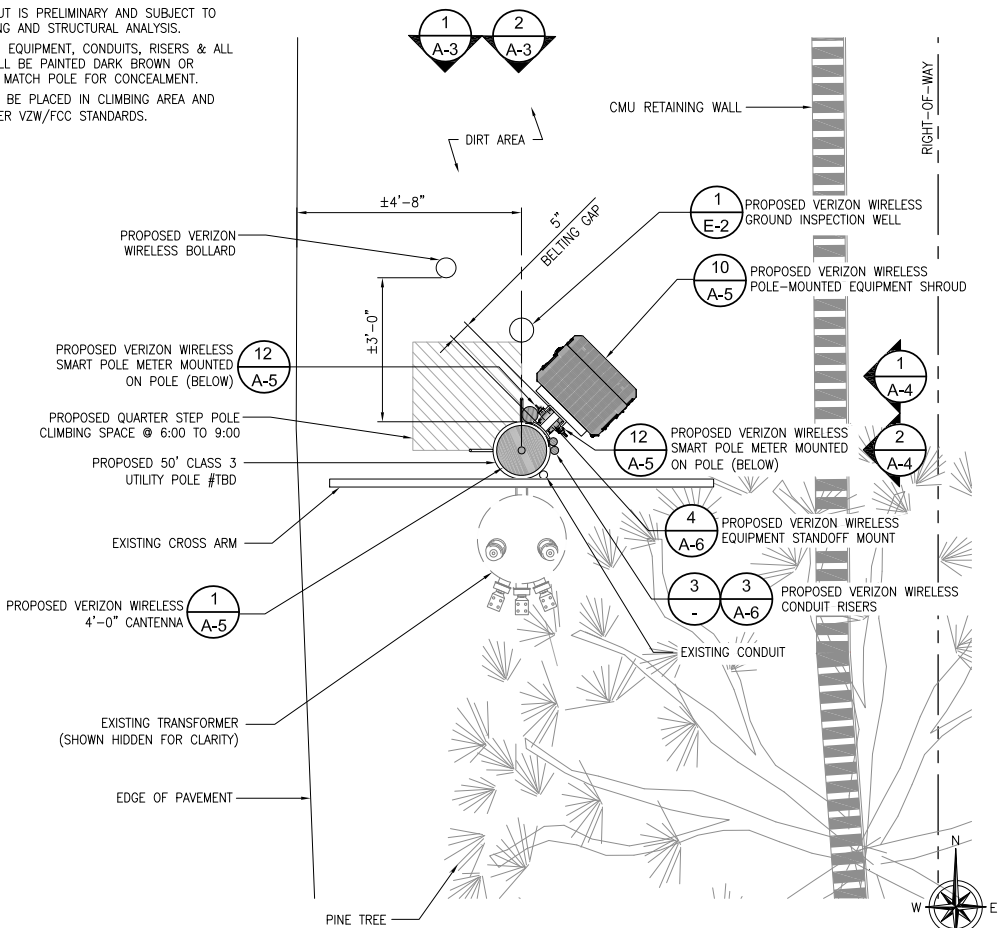


1

NOTES:

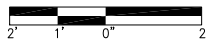
1. THE NEW LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING AND STRUCTURAL ANALYSIS.
2. NEW ANTENNAS, EQUIPMENT, CONDUITS, RISERS & ALL HARDWARE SHALL BE PAINTED DARK BROWN OR EQUIVALENT TO MATCH POLE FOR CONCEALMENT.
3. RF SIGNAGE TO BE PLACED IN CLIMBING AREA AND STREET SIDE PER VZW/FCC STANDARDS.

SAN ANTONIO AVE.



EQUIPMENT AND ANTENNA LAYOUT

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"



2

EXISTING POLE INFORMATION

POLE HEIGHT: 40 FT
MATERIAL: DF
POLE CLASS: 5
YEAR SET: 1966

PROPOSED POLE INFORMATION

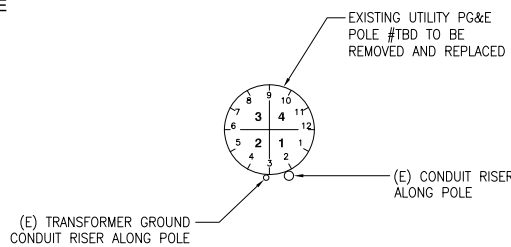
POLE HEIGHT: 50 FT
MATERIAL: DF
POLE TYPE: JOINT UTILITY POLE
POLE CLASS: 3
YEAR SET: TBD

MAKE-READY SCOPE:

1. VERIZON TO INSTALL (1) SMART POLE METER ON POLE AT 10:30 POSITION.
2. VERIZON TO INSTALL (1) DISTRIBUTION PANEL AND DISCONNECT SWITCH ON STANDOFF MOUNT AT 10:30 POSITION.
3. VERIZON TO INSTALL (1) EQUIPMENT SHROUD ON STANDOFF MOUNT AT 10:30 POSITION.
4. VERIZON TO INSTALL (1) POLE TOP MOUNTING BRACKET.
5. VERIZON TO INSTALL (1) CANTENNA MOUNTING BRACKET.
6. VERIZON TO INSTALL (1) 4FT CANTENNA ON TOP OF POLE.
7. VERIZON TO INSTALL 2" SCHEDULE 80 PVC POWER RISER AT 12:00 POSITION FROM SERVICE DROP TO METER.
8. VERIZON TO INSTALL 4" SCHEDULE 80 PVC HYBRID RISER AT 9:30 POSITION FROM SHROUD TO ANTENNA.
9. INSTALL 2" SCHEDULE 80 PVC FIBER RISER AT 11:30 POSITION FROM SERVICE DROP TO EQUIPMENT CABINET.
10. VERIZON TO STEP POLE @ 6:00 TO 9:00
11. VERIZON TO PULL, TRANSPORT AND DISPOSE EXISTING POLE.

SAN ANTONIO AVE.

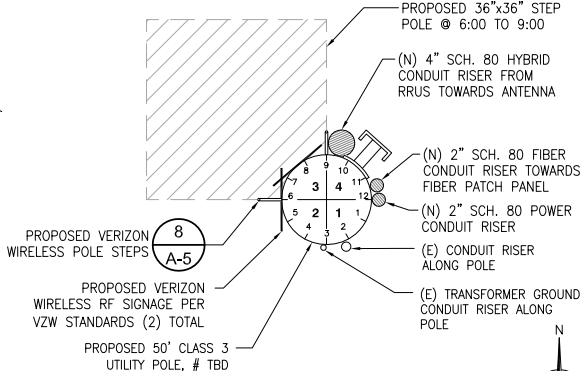
FOC/EP



EXISTING POLE

SAN ANTONIO AVE.

FOC/EP



PROPOSED POLE

24"x36" SCALE: NTS
11"x17" SCALE: NTS

3

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C 05/17/2019 SETBACK ADDED

B 03/08/2019 100% CD'S SET

A 02/01/2019 90% CD'S SET

REV DATE DESCRIPTION

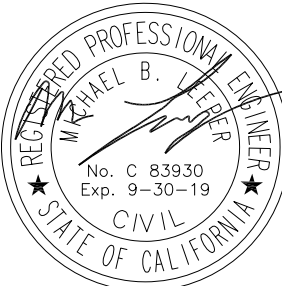
ISSUED DATE:

MAY 17, 2019

ISSUED FOR:

100% CD SET

LICENSURE:



PROJECT INFORMATION:

SOUTH CARMEL 002

LOCATION CODE: 428217

IFO SAN ANTONIO AVE.,
3SE 13TH AVE.,
CARMEL, CA 93923

DRAWN BY:

SAM

CHECKED BY:

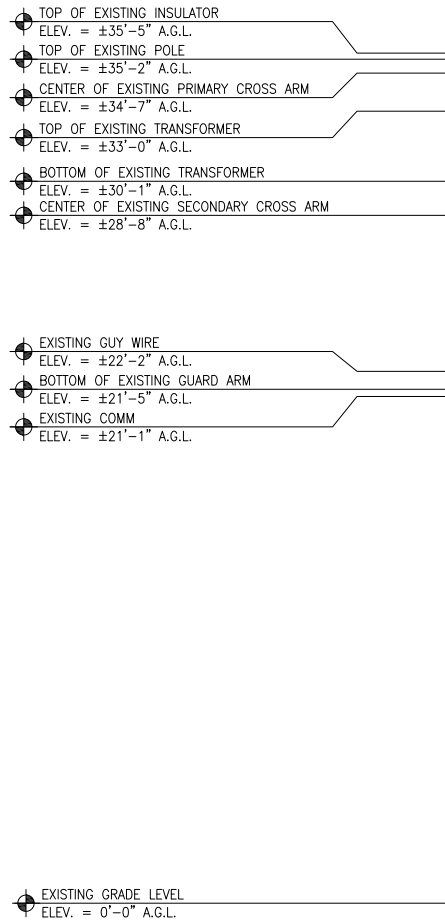
RGG

SHEET TITLE:

ENLARGED SITE PLAN
AND EQUIPMENT /
ANTENNA LAYOUT

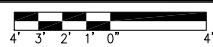
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A-2



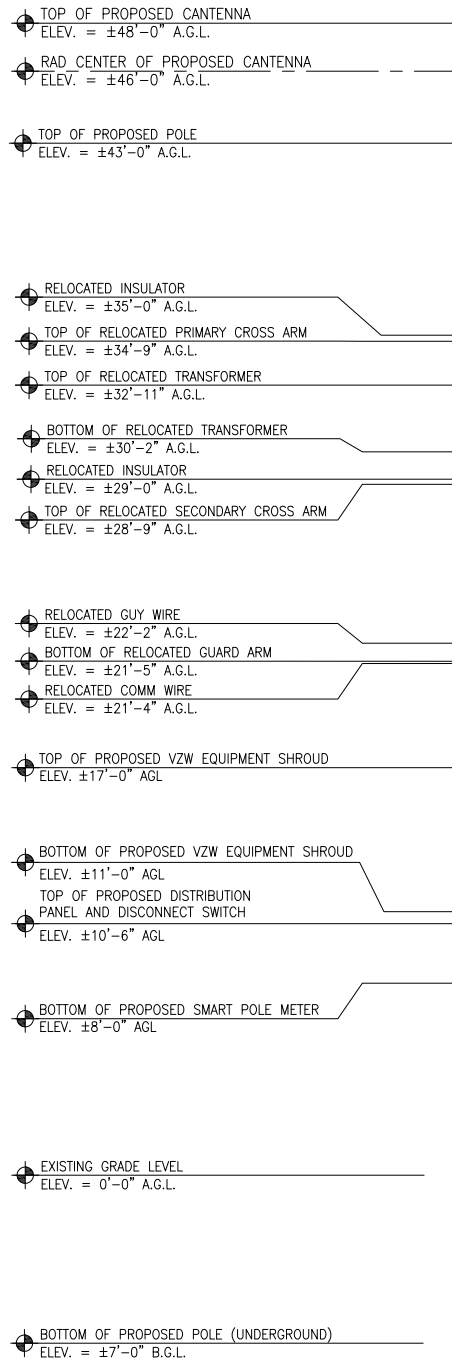
EXISTING NORTH ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



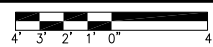
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- NOTES:
- THE NEW LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING AND STRUCTURAL ANALYSIS.
 - NEW ANTENNAS, EQUIPMENT, CONDUITS, RISERS & ALL HARDWARE SHALL BE PAINTED DARK BROWN OR EQUIVALENT TO MATCH POLE FOR CONCEALMENT.
 - RF SIGNAGE TO BE PLACED IN CLIMBING AREA AND STREET SIDE PER VZW/FCC STANDARDS.
 - EQUIPMENT SHROUD MOUNTING VIEW ROTATED 45° CLOCKWISE FOR CLARITY.

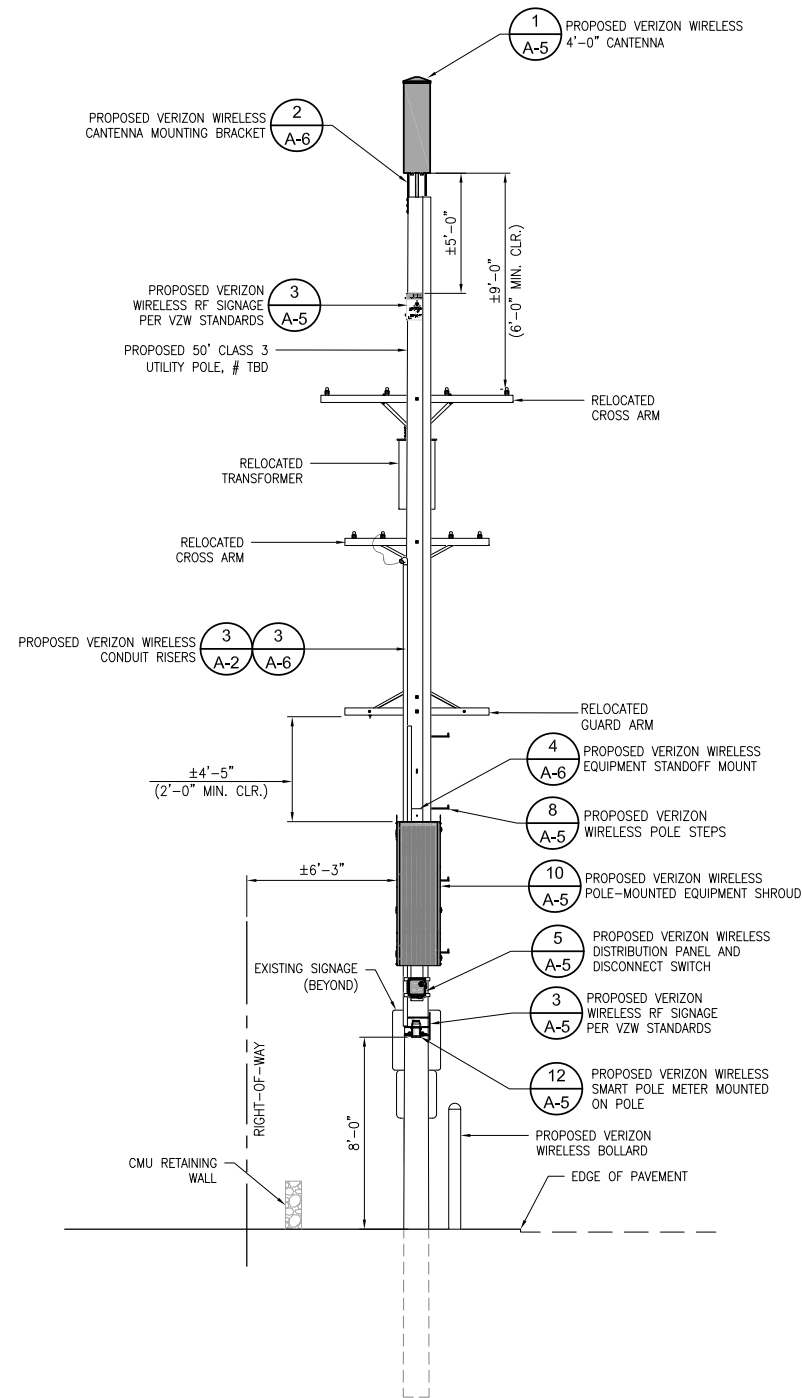


PROPOSED NORTH ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



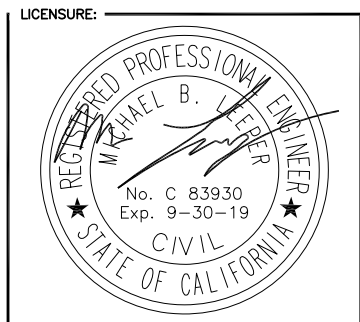
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REV	DATE	DESCRIPTION
C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S SET
A	02/01/2019	90% CD'S SET

ISSUED DATE: MAY 17, 2019

ISSUED FOR: 100% CD SET



PROJECT INFORMATION:
SOUTH CARMEL 002
LOCATION CODE: 428217
IFO SAN ANTONIO AVE.,
3SE 13TH AVE.,
CARMEL, CA 93923

DRAWN BY: SAM
CHECKED BY: RGG

SHEET TITLE: ARCHITECTURAL ELEVATIONS

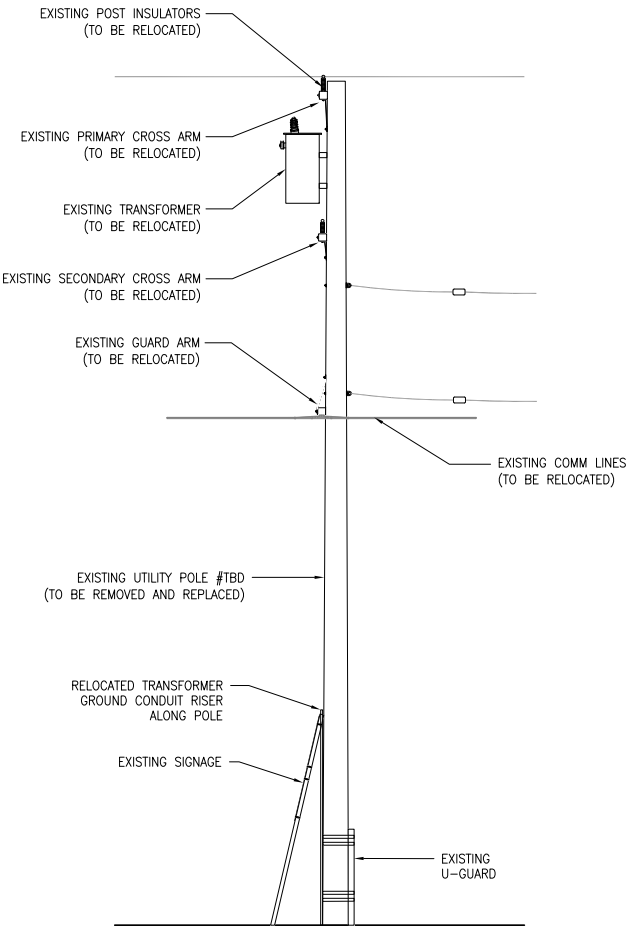
SHEET NUMBER:

A-3

TOP OF EXISTING INSULATOR
ELEV. = ±35'-5" A.G.L.
TOP OF EXISTING POLE
ELEV. = ±35'-2" A.G.L.
CENTER OF EXISTING PRIMARY CROSS ARM
ELEV. = ±34'-7" A.G.L.
TOP OF EXISTING TRANSFORMER
ELEV. = ±33'-0" A.G.L.
BOTTOM OF EXISTING TRANSFORMER
ELEV. = ±30'-1" A.G.L.
CENTER OF EXISTING SECONDARY CROSS ARM
ELEV. = ±28'-8" A.G.L.

EXISTING GUY WIRE
ELEV. = ±22'-2" A.G.L.
BOTTOM OF EXISTING GUARD ARM
ELEV. = ±21'-5" A.G.L.
EXISTING COMM
ELEV. = ±21'-1" A.G.L.

EXISTING GRADE LEVEL
ELEV. = 0'-0" A.G.L.



- NOTES:
- THE NEW LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING AND STRUCTURAL ANALYSIS.
 - NEW ANTENNAS, EQUIPMENT, CONDUITS, RISERS & ALL HARDWARE SHALL BE PAINTED DARK BROWN OR EQUIVALENT TO MATCH POLE FOR CONCEALMENT.
 - RF SIGNAGE TO BE PLACED IN CLIMBING AREA AND STREET SIDE PER VZW/FCC STANDARDS.
 - EQUIPMENT SHROUD MOUNTING VIEW ROTATED 45° CLOCKWISE FOR CLARITY.

TOP OF PROPOSED CANTENNA
ELEV. = ±48'-0" A.G.L.
RAD. CENTER OF PROPOSED CANTENNA
ELEV. = ±46'-0" A.G.L.

TOP OF PROPOSED POLE
ELEV. = ±43'-0" A.G.L.

RELOCATED INSULATOR
ELEV. = ±35'-0" A.G.L.
TOP OF RELOCATED PRIMARY CROSS ARM
ELEV. = ±34'-9" A.G.L.
TOP OF RELOCATED TRANSFORMER
ELEV. = ±32'-11" A.G.L.
BOTTOM OF RELOCATED TRANSFORMER
ELEV. = ±30'-2" A.G.L.
RELOCATED INSULATOR
ELEV. = ±29'-0" A.G.L.
TOP OF RELOCATED SECONDARY CROSS ARM
ELEV. = ±28'-9" A.G.L.

RELOCATED GUY WIRE
ELEV. = ±22'-2" A.G.L.
BOTTOM OF RELOCATED GUARD ARM
ELEV. = ±21'-5" A.G.L.
RELOCATED COMM WIRE
ELEV. = ±21'-4" A.G.L.

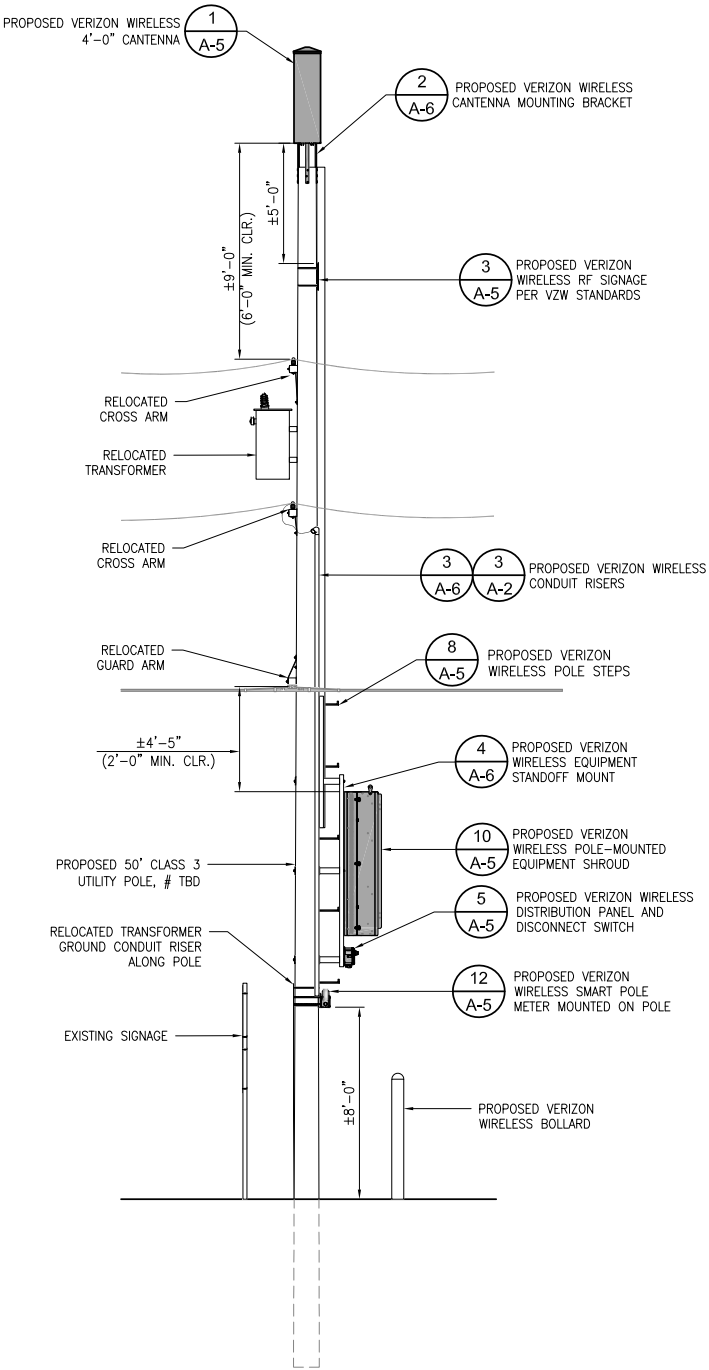
TOP OF PROPOSED VZW EQUIPMENT SHROUD
ELEV. ±17'-0" AGL

BOTTOM OF PROPOSED VZW EQUIPMENT SHROUD
ELEV. ±11'-0" AGL
TOP OF PROPOSED DISTRIBUTION
PANEL AND DISCONNECT SWITCH
ELEV. ±10'-6" AGL

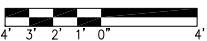
BOTTOM OF PROPOSED SMART POLE METER
ELEV. ±8'-0" AGL

EXISTING GRADE LEVEL
ELEV. = 0'-0" A.G.L.

BOTTOM OF PROPOSED POLE (UNDERGROUND)
ELEV. = ±7'-0" B.G.L.



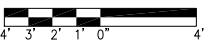
24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



1

PROPOSED EAST ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



2

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REV	DATE	DESCRIPTION
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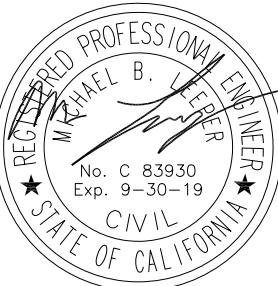
ISSUED DATE:

MAY 17, 2019

ISSUED FOR:

100% CD SET

LICENSURE:



PROJECT INFORMATION:
SOUTH CARMEL 002
LOCATION CODE: 428217
IFO SAN ANTONIO AVE.,
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DRAWN BY: SAM

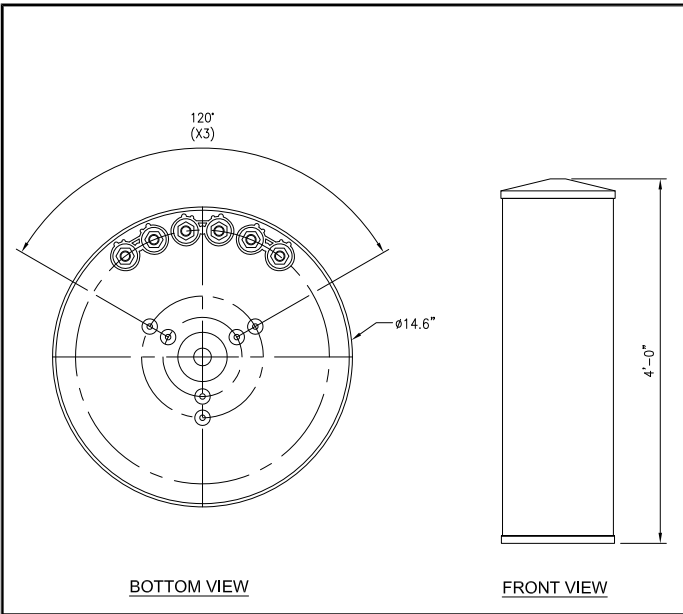
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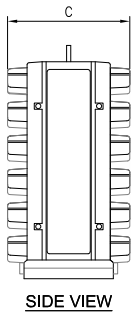
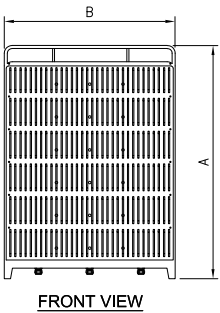
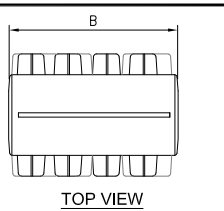
ARCHITECTURAL
ELEVATIONS

SHEET NUMBER:

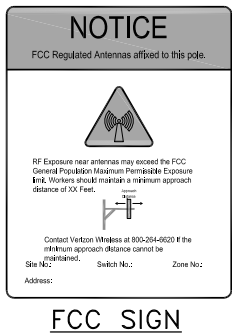
A-4



MANUFACTURER:	ERICSSON
MODEL NO.:	RRU 4449/RRU 8843
DIMENSIONS:	
A	18.0"
B	13.2"
C	9.4"
TOTAL WEIGHT :	70 LBS

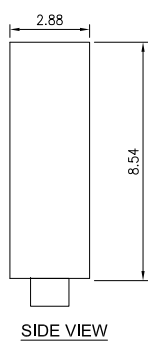
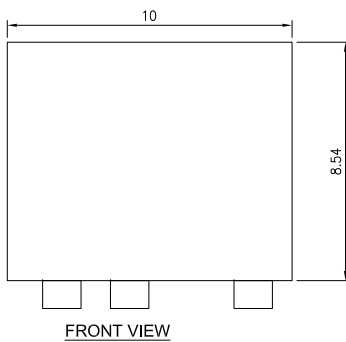
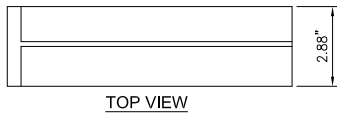


NOTE:
RF SIGNAGE TO BE PLACED IN CLIMBING AREA
AND STREET SIDE PER VZW/FCC STANDARDS.



- NOTES:
1. THE GENERAL CONTRACTOR SHALL INSTALL SIGN WITH SITE ID ENGRAVED OF ADDED IN A PERMANENT MANNER RESISTANT TO DEGRADATION BY THE SUN AND WEATHER.
 2. THE SITE ID SHALL BE AS FOLLOWS: "MARKET#- CELL SITE# -SMALL CELL NAME"

FIBER BOX
TYPE: AWM-12 OR DIMENSION: 8.54"x10"x2.88"(HxWxD)
CAPACITY: 6-PACK DUPLEX SC OR LC:12 FIBERS
SPECIAL FEATURES: AVAILABLE AS A SINGLE OR DUAL DOOR ENCLOSURE



CYLINDRICAL ANTENNA

24"x36" SCALE: NTS
11"x17" SCALE: NTS

1

RADIO UNIT (OR APPROVED EQUAL)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

2

CAUTION SIGN

24"x36" SCALE: NTS
11"x17" SCALE: NTS

3

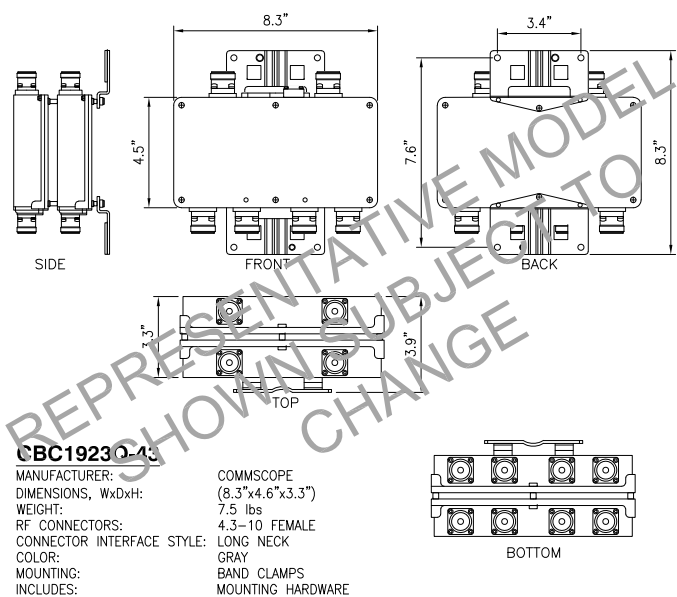
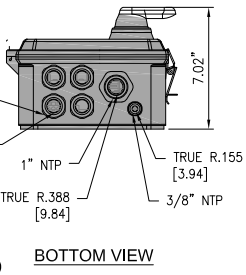
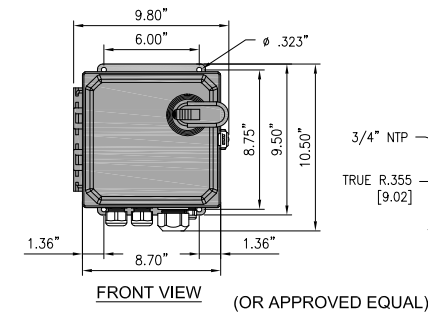
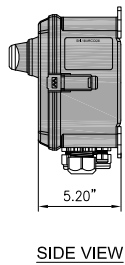
FIBER PATCH (OR APPROVED EQUAL)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

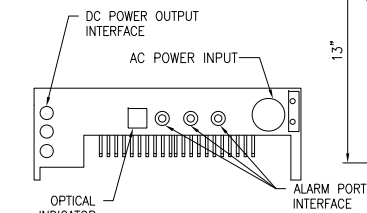
4

PRODUCT SPECIFICATIONS

SERVICE DISCONNECT SWITCH	40A
CIRCUITS/CURRENT	4 MAX, 15A, 15A, 10A, 10A
OPERATING VOLTAGE	120V NOMINAL
VOLTAGE PROTECTION RATING	1kV
PROTECTION MODES	LINE TO NEUTRAL, NEUTRAL TO GROUND
SCCR	200kA
ELEC. OPERATING TEMP	-40C TO +80C
MECH. OPERATING TEMP	-40C TO +80C
INGRESS PROTECTION	NEMA 4X
ENCLOSURE TYPE	POLYCARBONATE UL 94V-0
UL CERTIFICATION	TVSS-1449, SYSTEM-60950
DIMENSION (HxWxD)	10.5" x 9.8" x 7"

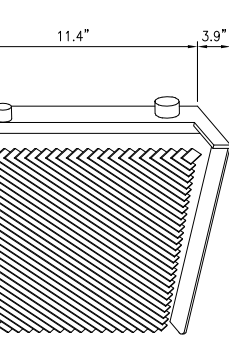


MANUFACTURER:	ERICSSON
MODEL NO.:	POWER-6302
WEIGHT:	±22.05 LBS
MOUNTING LOCATION:	WITHIN SHROUD



ELECTRICAL SPECIFICATIONS

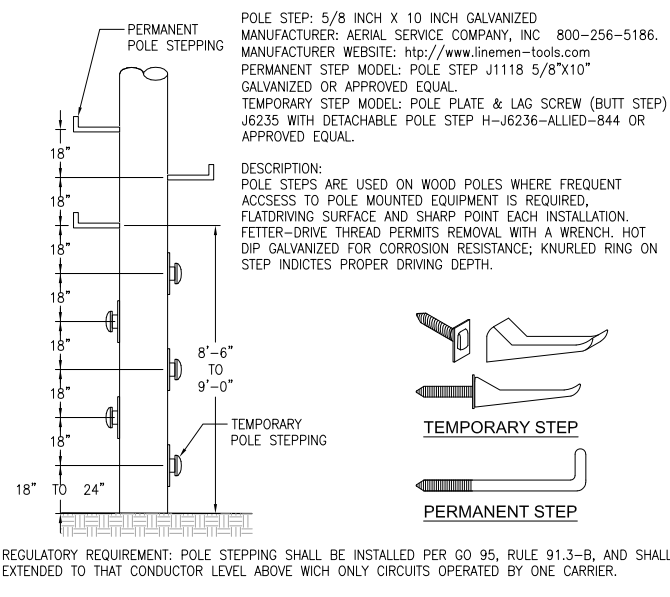
MAX. INPUT POWER: 12.5A MAX. @ 250V
OPERATIONAL TEMP. RANGE: -40°C TO 55°C
NOMINAL INPUT VOLTAGE: 100-250 VAC
RATED OPER. VOLTAGE RANGE: 85-275 VAC
EXTERNAL INPUT FUSE: 15A @ 100 VAC
COLOR: GRAY



MOUNTING SHALL BE AS PER
SABRE CAGE MFR. SPECS.

DIMENSIONS, HXWXD-mm (IN)
99X29X330 (3.8X11.4X13.0)

WEIGHT: 5.2 Kg 11.46 LBS.



DISTRIBUTION PANEL AND DISCONNECT

24"x36" SCALE: NTS
11"x17" SCALE: NTS

5

DIPLEXER (OR APPROVED EQUAL)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

6

POWER SUPPLY UNIT (OR APPROVED EQUAL)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

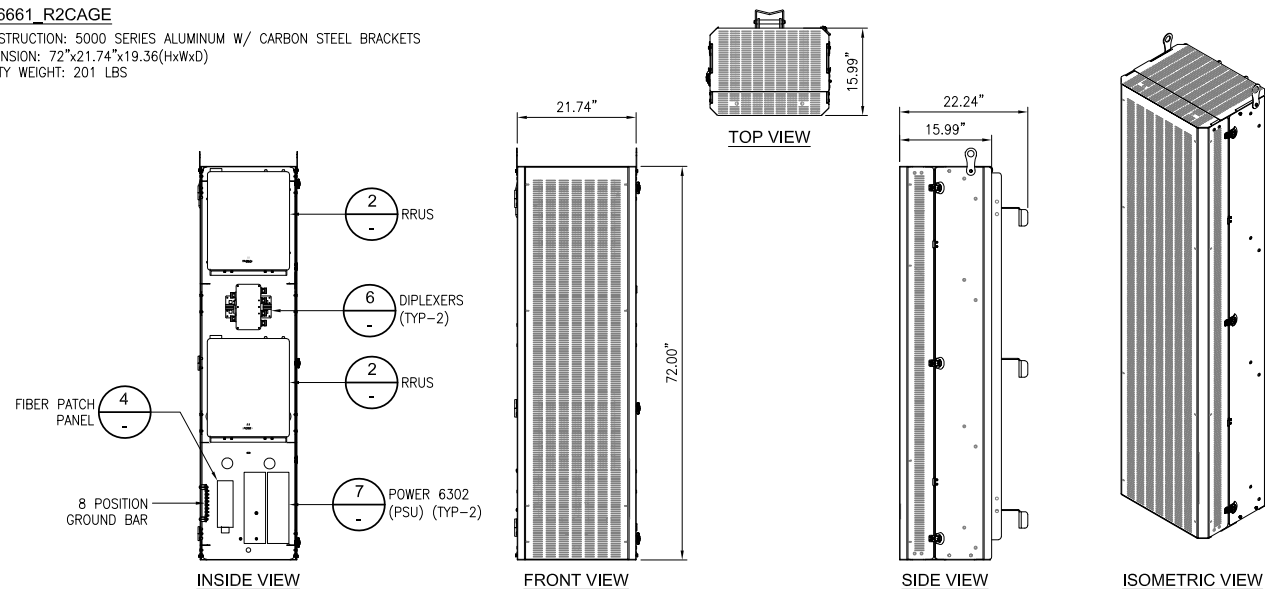
7

POLE STEP DETAIL

24"x36" SCALE: NTS
11"x17" SCALE: NTS

8

18-6661_R2CAGE
CONSTRUCTION: 5000 SERIES ALUMINUM W/ CARBON STEEL BRACKETS
DIMENSION: 72"x21.74"x19.36(HxWxD)
EMPTY WEIGHT: 201 LBS



EQUIPMENT SHROUD (OR APPROVED EQUAL)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

10

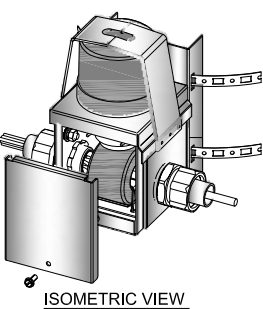
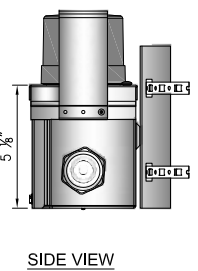
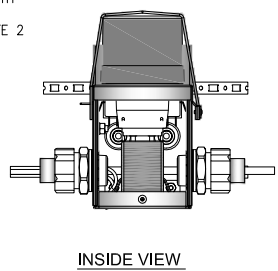
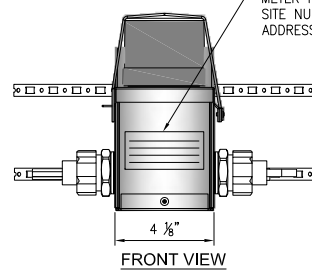
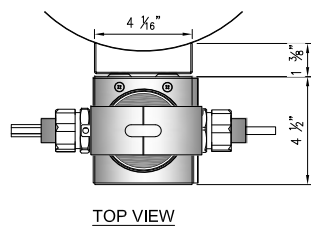
SMART POLE METER (OR APPROVED EQUAL)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

12

- NOTES:
1. THE GENERAL CONTRACTOR SHALL INSTALL SIGN WITH SITE ID AND ADDRESS ENGRAVED OF ADDED IN A PERMANENT MANNER RESISTANT TO DEGRADATION BY THE SUN AND WEATHER.
 2. THE SITE ID SHALL BE AS FOLLOWS: "MARKET#- CELL SITE# -SMALL CELL NAME".
 3. PRIOR TO ORDERING, CONTRACTOR TO VERIFY THAT AIC IS 10,000 AMPS OR LESS. IF NOT, NOTIFY ENGINEER OF RECORD.
 4. METER PROVIDED BY PG&E. METER ASSEMBLY PROVIDED BY CONTRACTOR

TESCO ADVENT - ENCLOSURE UNIT,
CATALOG #700 PART #700-200,
CODE: M241572
SMARTPOLE METER CODE: M241490



METER PLACARD WITH
SITE NUMBER AND
ADDRESS, SEE NOTE 2

verizon

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

SEQUOIA

DEPLOYMENT SERVICES, INC.
22471 ASPAN STREET, STE 290
LAKE FOREST, CA 92630

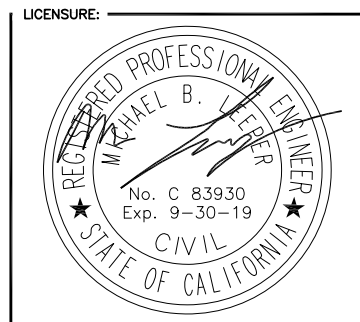
esite
concepts

10650 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
tel: (858) 433-7173 / (858) 433-7176

REV	DATE	DESCRIPTION
C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S SET
A	02/01/2019	90% CD'S SET

ISSUED DATE: **MAY 17, 2019**

ISSUED FOR: **100% CD SET**



PROJECT INFORMATION:
SOUTH CARMEL 002
LOCATION CODE: 428217
IFO SAN ANTONIO AVE.,
3SE 13TH AVE.,
CARMEL, CA 93923

DRAWN BY: SAM
CHECKED BY: RGG

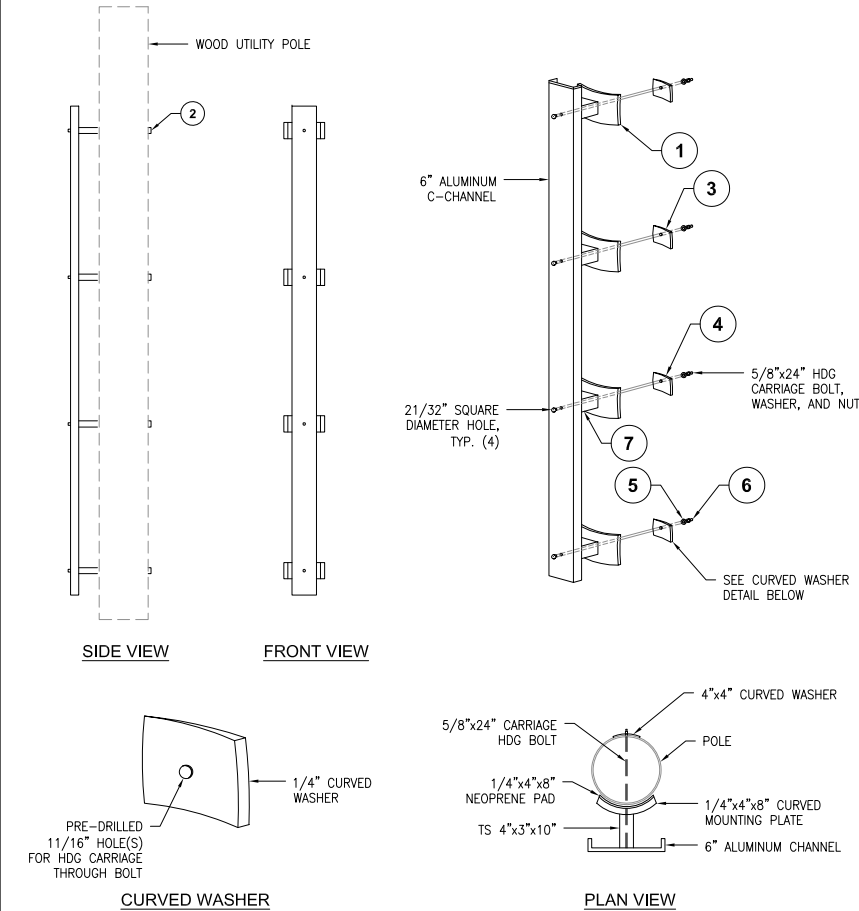
SHEET TITLE: **DETAILS**

SHEET NUMBER: **A-5**

ITEM NO.	QTY	DESCRIPTION	SIZE
1	4	HDG CARRIAGE BOLTS	5/8"x24"
2	4	HDG WASHER	5/8"
3	4	HDG NUTS	5/8"
4	4	CURVED WASHERS	1/4"x4"x4"
5	1	ALUMINUM C-CHANNEL	6"x2"x96"L
6	4	NEOPRENE PAD	4"x8"
7	4	TUBE STEEL w/ WELDED 4" x 8" SADDLE	3"x3"x10"L

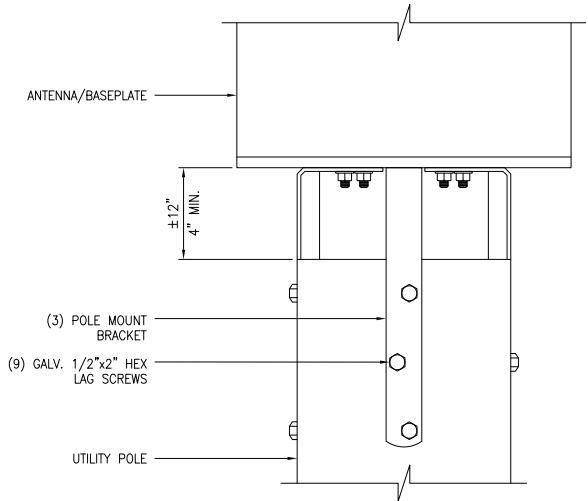
MANUFACTURER: MICRO WIRELESS SOLUTIONS
PART NO: JPAK-EM-100-08

- STEPS FOR ASSEMBLY:
1. PLACE NEOPRENE PADS TO FACE OF 1/4" x 4" x 8" WELDED SADDLE. (4) TOTAL
 2. MEASURE AND DRILL (4) 11/16" HOLES THROUGH POLE
 3. INSTALL TOP CARRIAGE BOLT BY SLIDING THROUGH TOPHOLE AND THROUGH EXISTING WOOD POLE
 4. PLACE CURVED SQUARE WASHER OVER THREADED END
 5. PLACE FLAT WASHER OVER THREADED END
 6. PLACE NUT OVER THREADED END THEN TIGHTEN AS REQUIRED
- * REPEAT PROCESS FOR REMAINING (3) ATTACHMENTS
NOTE: 4" MINIMUM PER G095 REQUIREMENTS



EQUIPMENT STANDOFF (OR APPROVED EQUAL) 24"x36" SCALE: NTS 11"x17" SCALE: NTS 4

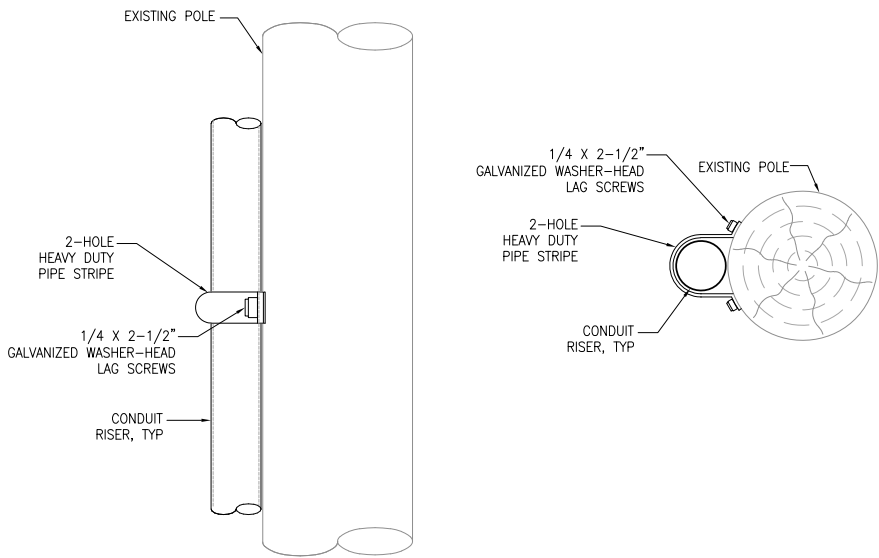
NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 7



CANTENNA MOUNTING BRACKET (OR APPROVED EQUAL) 24"x36" SCALE: NTS 11"x17" SCALE: NTS 2

NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 5

NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 8



CONDUIT ATTACHMENT 24"x36" SCALE: NTS 11"x17" SCALE: NTS 3

NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 6

NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 9

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WALNUT CREEK, CA 94598

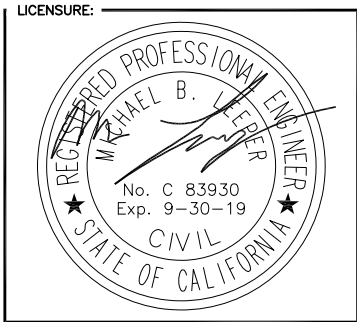
SEQUOIA
DEPLOYMENT SERVICES, INC.
22471 ASPAN STREET, STE 290
LAKE FOREST, CA 92630

esite
concepts
10650 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
tel: (858) 433-7173 / (858) 433-7176

REV	DATE	DESCRIPTION
C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S SET
A	02/01/2019	90% CD'S SET

ISSUED DATE: MAY 17, 2019

ISSUED FOR: 100% CD SET



PROJECT INFORMATION:
SOUTH CARMEL 002
LOCATION CODE: 428217
IFO SAN ANTONIO AVE.,
3SE 13TH AVE.,
CARMEL, CA 93923

DRAWN BY: SAM
CHECKED BY: RGG

SHEET TITLE: DETAILS

SHEET NUMBER: A-6

ELECTRICAL NOTES

1. THIS INSTALLATION SHALL COMPLY WITH THE CURRENTLY ADOPTED EDITION OF THE CALIFORNIA ELECTRICAL CODE (CEC), WITH THE UTILITY COMPANY AND LOCAL CODE REQUIREMENTS.
2. POWER, CONTROL AND EQUIPMENT GROUND WIRING IN CONDUIT SHALL BE SINGLE CONDUCTOR (#12 AWG AND LARGER), 600V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED.
3. CUT, COIL AND TAPE A 3 FOOT PITGAL FROM END OF LFMC FOR TERMINATING AT EQUIPMENT, IF REQUIRED.
4. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS OR BELOW GRADE SHALL BE SINGLE CONDUCTOR #2 AWG SOLID, TINNED, COPPER WIRE
5. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP STYLE, COMPRESSION, WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C.
6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMINATED PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (PANELBOARD AND CIRCUIT IDENTIFICATION).
7. ALL CONDUIT RUN ABOVE GROUND OR EXPOSED SHALL BE RIGID STEEL.
8. CABINETS, BOXES AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC AND CEC.
9. PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
10. ALL ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER) SHALL BE BONDED TOGETHER AT OR BELOW GRADE BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE CEC.
11. PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
12. METAL RACEWAY SHALL NOT BE USED AS THE CEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION SIZED IN ACCORDANCE WITH THE CEC SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO EQUIPMENT.
13. EXPOSED GROUND CONNECTIONS SHALL BE MADE WITH COMPRESSION CONNECTORS WHICH ARE THEN BOLTED TO EQUIPMENT USING STAINLESS STEEL HARDWARE. INSTALLATION TORQUE SHALL BE PER MANUFACTURER'S REQUIREMENTS.
14. PROVIDE SUPPORTING DEVICES FOR ALL ELECTRICAL EQUIPMENT, FIXTURES, BOXES, PANEL, ETC., SUPPORT LUMINARIES FROM UNDERSIDE OF STRUCTURAL CEILING. EQUIPMENT SHALL BE BRACED TO WITHSTAND HORIZONTAL FORCES IN ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. PROVIDE PRIOR ALIGNMENT AND LEVELING OF ALL DEVICES AND FIXTURES.

POLE CONSTRUCTION NOTES:

1. METER SHALL NOT FACE THE STREET, ALLEY, OR PROPERTY SIDE OF THE POLE.
2. METER BASE AND DISCONNECT SHALL BE BONDED TO A SEPARATE GROUND FROM THE POLE GROUND WITH CONDUCTOR HAVING A CURRENT CAPACITY THAN NO LESS THAN #6 SOLID COPPER CONDUCTOR.
3. EQUIPMENT CANNOT OVERHANG THE ROADWAY.
4. VERIFY AND RECORD ALL CHANGES AND FOOTAGES IN FIELD ON THE FINAL AS-BUILT DRAWINGS.
5. GROUNDS ARE TO BE TESTED: REQUIRES 5 OHMS OR LESS RESISTANCE.
6. ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION.
7. NOTIFY PROPERTY OWNER BEFORE WORKING ON OR AROUND PRIVATE PROPERTY.
8. OBTAIN SPECIAL PERMITS AND PAY FEES AS REQUIRED WHEN WORKING ON CITY AND COUNTY HIGHWAY SITES.
9. MAINTAIN 36" MINIMUM COVER IN PARKWAY.
10. MAINTAIN 30" MINIMUM COVER BELOW GUTTER GRADE ON SURFACE STREETS.
11. CONDUITS MAY BE MOUNTED DIRECTLY TO THE POLE OR U-GUARD MAY BE USED IF THE POLE IS WITHIN 15' OF A BUCKET TRUCK ACCESSIBLE PAVED ROAD. IF NOT ACCESSIBLE AND THE CONDUIT IS GREATER THAN 1-1/2", THE CONDUIT IS TO BE MOUNTED WITH A STANDOFF BRACKET THAT PROVIDES 7" CLEARANCE FROM THE POLE TO THE CONDUIT.
12. CONTRACTOR TO PROVIDE MOUNTS OR ADDITIONAL HARDWARE IF REQUIRED FOR INSTALLATION OF PROPOSED ANTENNAS.
13. CONDUIT REQUIREMENTS:
UNDERGROUND – SCHEDULE 40 PVC OR BETTER
RISERS – SCHEDULE 80 PVC WITH FIRST 10' ABOVE GROUND LEVEL TO BE RGS FOR PROTECTION PURPOSES. ALL CONDUITS WILL BE MANDRELED AND EQUIPPED WITH 3/8" PULL ROPE AND MEASURE TAPE IF REQUIRED.

GROUNDING NOTES

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION SHALL BE ACCORDING TO SITE CONDITIONS.
2. ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
3. GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
4. ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: MECHANICAL/ CONNECTIONS U.N.O.
5. INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
6. ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
7. ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED SO THAT IT WILL BY-PASS MAIN BUSS BAR.
8. USE SEPARATE HOLES FOR GROUNDING AT BUSS BAR. NO "DOUBLE-UP" OR BACK TO BACK LUGS.
9. NO LB'S ALLOWED ON GROUNDING.
10. PROVIDE STAINLESS STEEL CLAMP AND BRASS TAGS ON ANY COAX AT ANTENNAS AND RADIOS.
11. ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE CALIFORNIA ELECTRICAL CODE (CEC).
12. EXOTHERMIC WELDING IS REQUIRED FOR GROUNDING BELOW GRADE CONNECTIONS WHERE PRACTICAL.
13. MECHANICAL, ABOVE GRADE CONNECTIONS MAY BE MADE USING COMPRESSION TYPE-2 HOLES. LONG BARREL LUGS OR DOUBLE CRIMP CLAMP "C" CLAMP. THE COPPER CABLES SHALL BE COATED WITH ANTIOXIDANT (COPPER SHIELD) BEFORE MAKING THE CONNECTIONS. THE MANUFACTURER'S TORQUE RECOMMENDATIONS ON THE BOLT ASSEMBLY TO SECURE CONNECTIONS SHALL BE FOLLOWED. ALL TWO HOLE LONG BARREL LUGS SHALL HAVE VIEW PORTS TO ENSURE PROPER INSTALLATION.
14. PROVIDE PVC SLEEVES FOR GROUNDING CONDUCTORS AS NEEDED.
15. GROUND ANTENNA BASES, FRAMES, CABLE RACKS AND OTHER METALLIC COMPONENTS WITH #2 GROUNDING CONDUCTORS AND CONNECT TO INSULATED SURFACE MOUNTED GROUND BARS. CONNECTION DETAILS SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS FOR GROUNDING.
16. PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
17. SURFACES TO BE CONNECTED TO GROUND CONDUCTORS SHALL BE CLEANED TO A BRIGHT SURFACE AT ALL CONNECTIONS.
18. GROUND REQUIREMENTS:
5/8" SS, COPPER CLAD GROUNDING ROD-10' LENGTH
GROUND TESTED AT 5 OHMS OR LESS
#2 GROUND WIRE, SOLID, TINNED
HARDWOOD MOLDING, STAPLED TO POLE EVERY 2'-0" AND AT EACH END
GROUND RODS MUST BE 24" FROM POLE AND THE TOP OF ROD MUST BE BELOW GRADE LEVEL PER PLAN DETAILS.

LEGEND SYMBOLS:

- — — — —

GROUNDING WIRE, DASHED LINE INDICATES UNDERGROUND
- AC — — — — —

AC POWER LINE, DASHED INDICATES UNDERGROUND
- DC — — — — —

DC POWER LINE, DASHED INDICATES UNDERGROUND
- T — — — — —

TELEPHONE LINE, DASHED LINE INDICATES UNDERGROUND
- A — — — — —

COAXIAL CABLE, DASHED LINE INDICATES UNDERGROUND
- F — — — — —

FIBER CABLE, DASHED LINE INDICATES UNDERGROUND
- ⊗

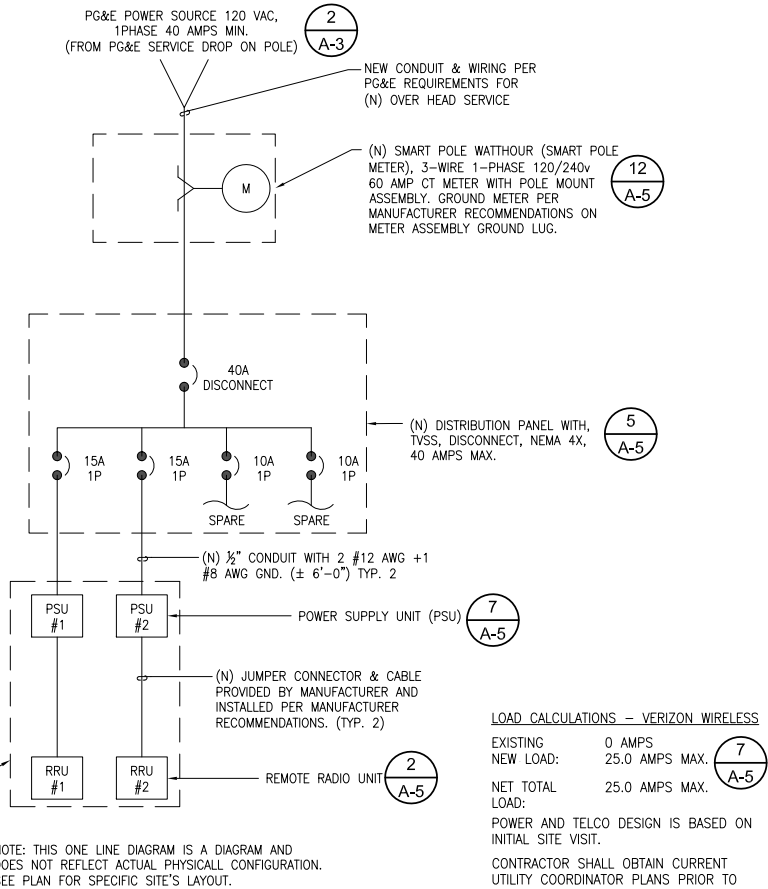
GROUND ROD
- ⊗

GROUND ROD WITH ACCESS
- UTILITY METER
- CIRCUIT BREAKER
- FUSE
- DUPLEX RECEPTACLE WITH GFCI IN WEATHERPROOF ENCLOSURE
- CLAMP OR DOUBLE HOLE LUG TYPE GROUND CONNECTION
- EXOTHERMIC CONNECTION TO GROUND RING
- DISCONNECT SWITCH

NOTES:

1. ALL CONDUIT ROUTING IS SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT IMPEDED.
2. CONDUIT SIZES INDICATED ON THE DRAWINGS ARE NOT NECESSARILY BASED ON THE MINIMUM SIZE ALLOWED BY THE CEC AND MAY BE PURPOSELY OVERSIZED FOR FUTURE CONDUCTORS OR TO AVOID CONDUCTOR HEATING. CONDUIT SIZES NOT CALLED OUT ON THE DRAWINGS SHALL BE SIZED BY THE CONTRACTOR, BASED ON THE ACTUAL NUMBER OF CONDUCTORS TO BE INSTALLED, USING THE CEC AS A GUIDE. IN NO CASE SHALL CONDUIT SIZES BE SMALLER THAN 1/2" DIAMETER.
3. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULLBOXES REQUIRED FOR THE INSTALLATION OF ELECTRICAL DEVICES AND EQUIPMENT, WHETHER OR NOT SPECIFICALLY INDICATED ON THE PLANS. SIZING OF THESE BOXES SHALL BE PER THE CEC.
4. ALL ELECTRICAL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
5. UTILITY ELECTRICAL SERVICE WILL BE 120/240 VOLTS OR 120/208 VOLTS, SINGLE PHASE, MIN. 30 AMPS CAPACITY. SEE PLANS FOR DETAILS.
6. PROJECT CONDITIONS MAY REQUIRE REARRANGEMENT OF ELECTRICAL WORK. THE SUBCONTRACTOR SHALL INDICATE SUCH CHANGES ON THE AS-BUILT DRAWINGS. WHERE CHANGES REQUIRE ALTERNATE METHODS TO THOSE SPECIFIED IN THE PLANS, THE SUBCONTRACTOR SHALL REQUEST APPROVAL, AND SHALL NOT PROCEED UNTIL APPROVAL IS OBTAINED.
7. CONTRACTOR SHALL PAINT ALL EXPOSED EXTERIOR CONDUITS AND JUNCTION BOXES TO MATCH EXISTING FINISH ON WHICH THEY ARE ATTACHED.
8. FIBER TRUNKS AND/OR BACKHAUL LENGTHS AND ROUTES ARE NOT VERIFIED DURING THE SITE WALK. CONTRACTOR TO VERIFY ACTUAL ROUTE AND TRUNK LENGTH DURING PRE-CONSTRUCTION WALK.
9. 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.
10. CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT, PULL WIRES, CABLE PULL BOXES, CONCRETE ENCASEMENT OF CONDUIT, TRANSFORMER PAD, BARRIERS, POLE RISER TRENCHING, BACK FILL, AND UTILITY FEES, AND INCLUDE REQUIREMENTS IN SCOPE.
11. TEST ALL ELECTRICAL & GROUNDING SYSTEMS (CONTINUITY, MEGGER, ETC.) UPON COMPLETION OF INSTALLATION PRIOR TO FINALIZING WORK.
12. CONTRACTOR TO VERIFY ALL CONDUIT ROUTING FOR, (N) VZW METER AND (N) GROUND ROD LOCATION WITH LANDLORD AND UTILITY COORDINATOR IN FIELD.
13. CONDUIT REQUIREMENTS (TYP., U.N.O.): UNDERGROUND: PVC (SCHED. 40 OR 80). INDOOR: EMT (RGS IN TRAFFIC AREAS). OUTDOOR: (ABOVE GRADE) RGS.
14. PROVIDE A MIN. 36" WORK CLEARANCE IN FRONT OF PANELS/ ELECTRICAL EQUIPMENT.

BREAKER LEGEND				
CIRCUIT #	DESCRIPTION	ACB	/ #POLES	
1	PSU #1	15A 1P	10A	2P
2	PSU #2	15A 1P	10A	2P
3	SPARE	10A 1P	—	—
4	SPARE	10A 1P	—	—



SINGLE LINE DIAGRAM

24"x36" SCALE: NTS
11"x17" SCALE: NTS

1

NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

2

verizon
2785 MITCHELL DRIVE, BLDG. 9
WALNUT CREEK, CA 94598

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REV	DATE	DESCRIPTION

ISSUED DATE:

MAY 17, 2019

ISSUED FOR:

100% CD SET

LICENSURE:



PROJECT INFORMATION:

SOUTH CARMEL 002
LOCATION CODE: 428217
IFO SAN ANTONIO AVE.,
3SE 13TH AVE.,
CARMEL, CA 93923

DRAWN BY:

SAM

CHECKED BY:

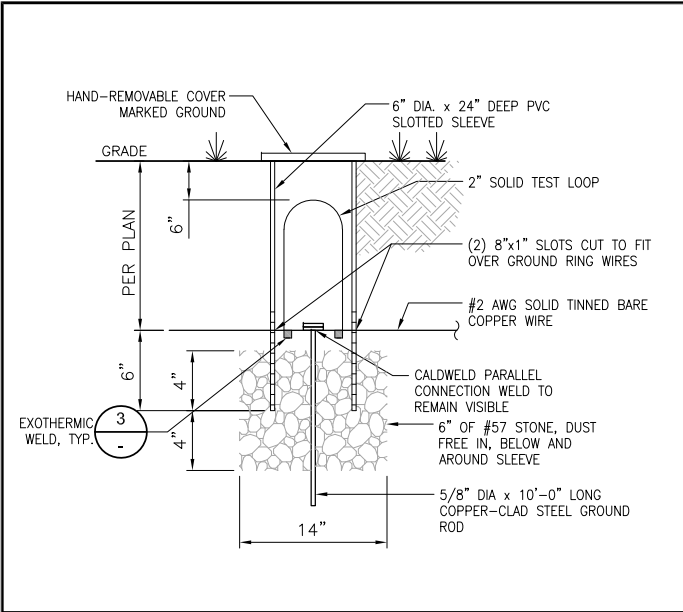
RGG

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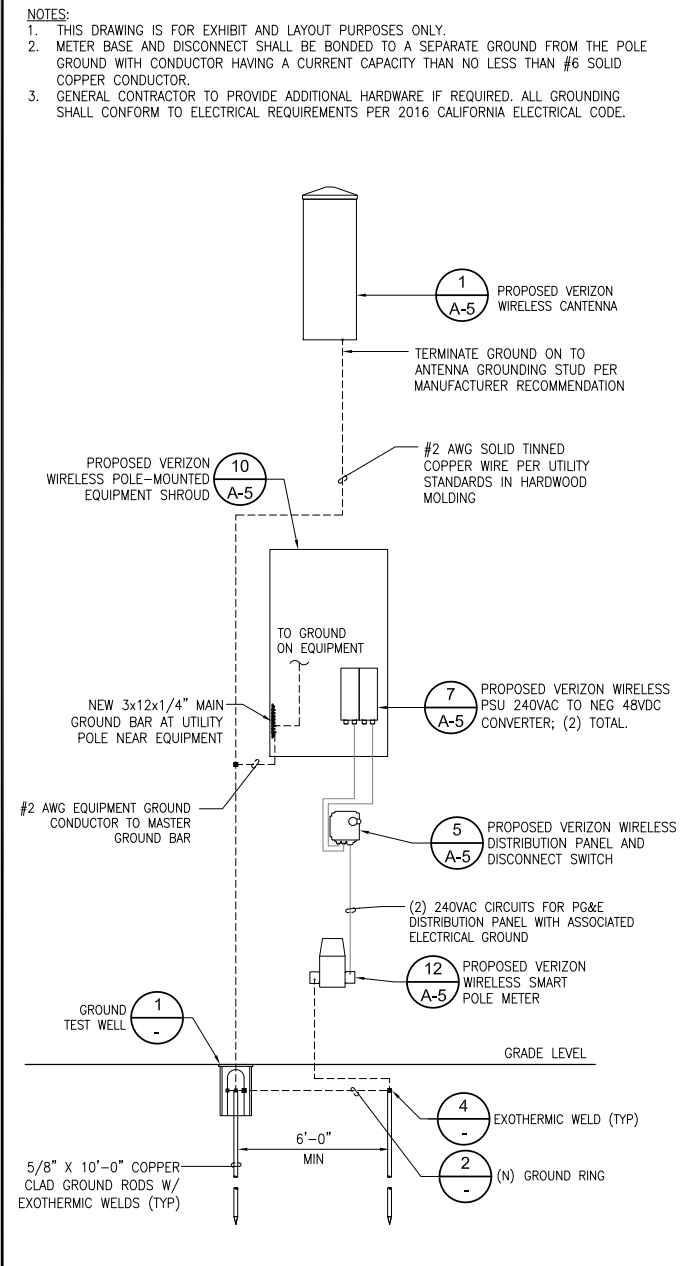
ELECTRICAL NOTES AND
SINGLE LINE DIAGRAM

SHEET NUMBER:

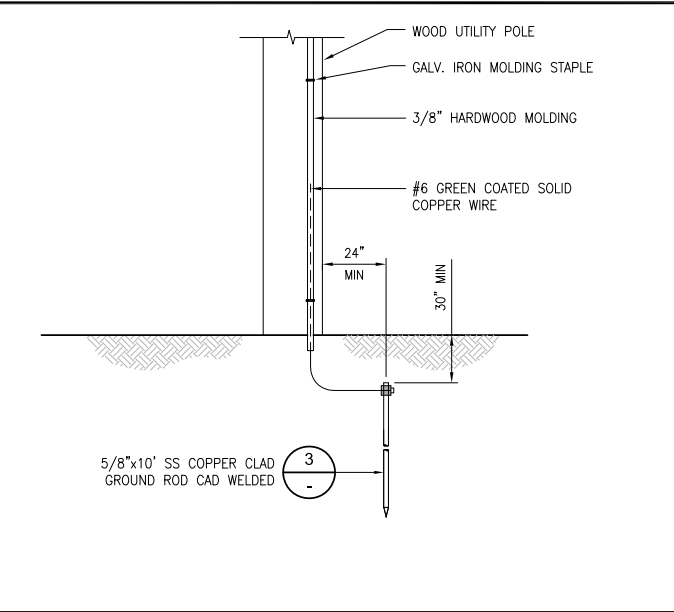
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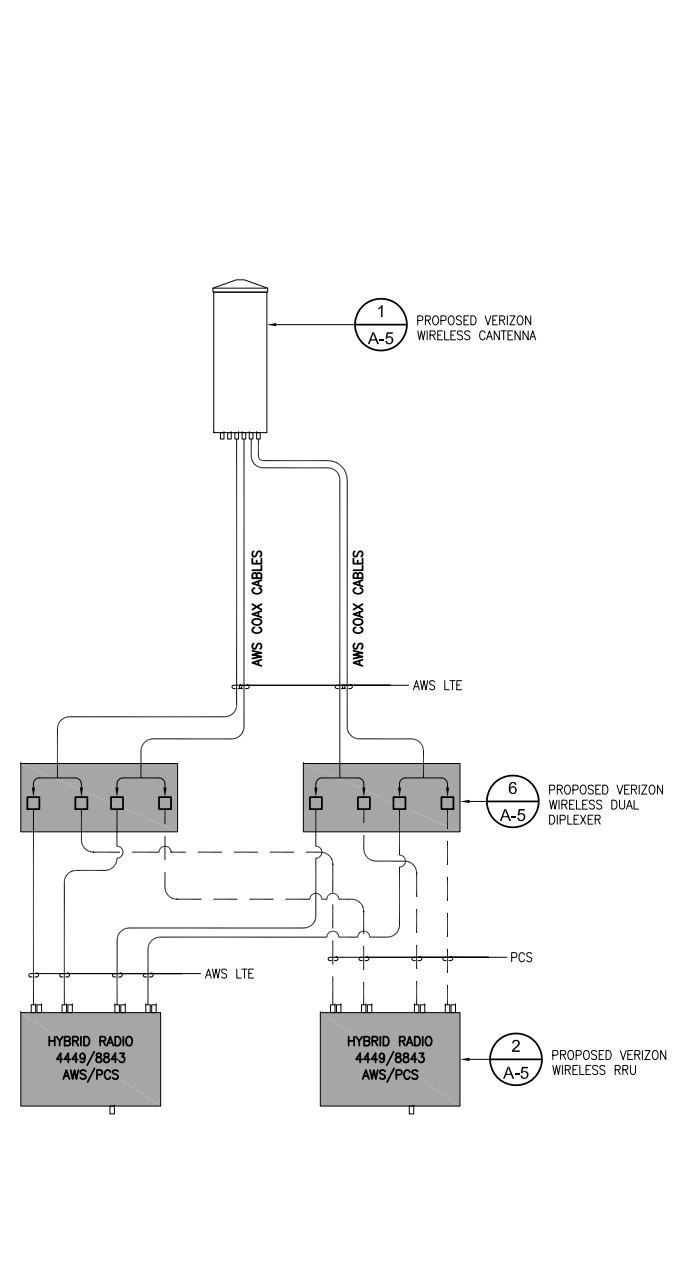
GROUND TEST WELL- TYPICAL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 1



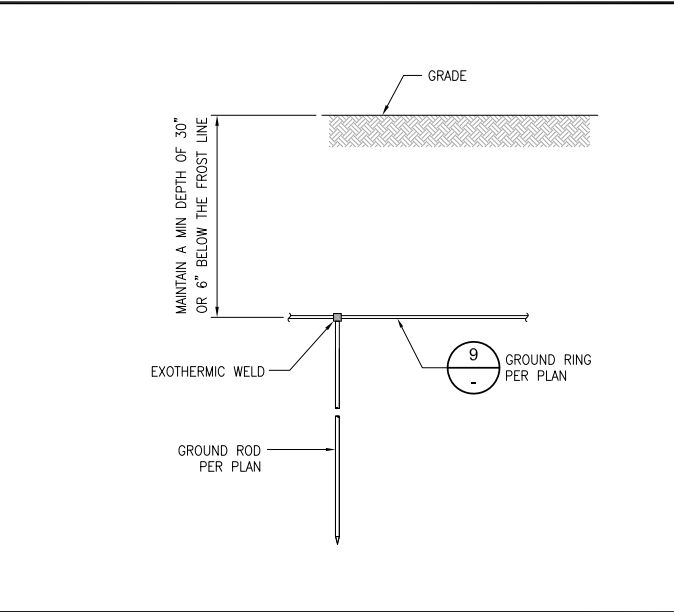
GROUNDING SCHEMATIC 24"x36" SCALE: NTS 11"x17" SCALE: NTS 9



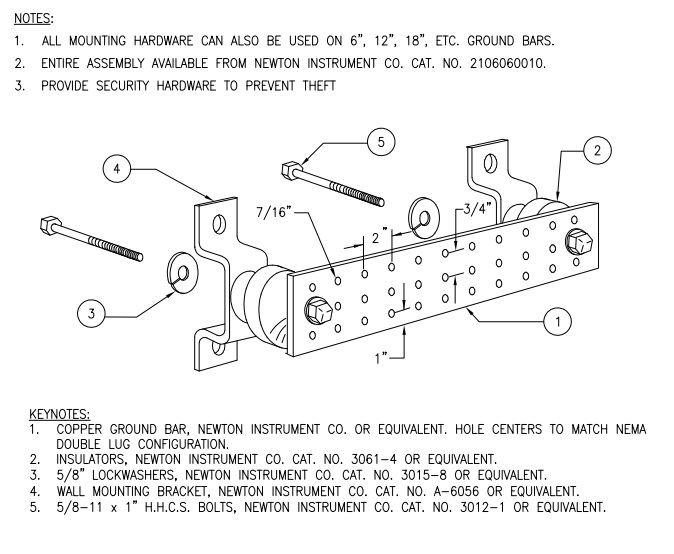
POLE GROUNDING 24"x36" SCALE: NTS 11"x17" SCALE: NTS 2



PLUMBING DIAGRAM 24"x36" SCALE: NTS 11"x17" SCALE: NTS 10



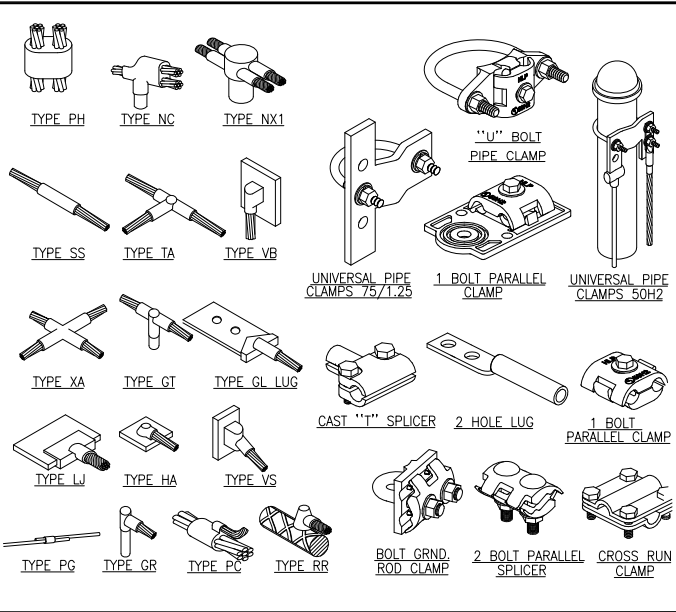
GROUND ROD/RING 24"x36" SCALE: NTS 11"x17" SCALE: NTS 3



GROUND BUSS BAR 24"x36" SCALE: NTS 11"x17" SCALE: NTS 7



NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 11



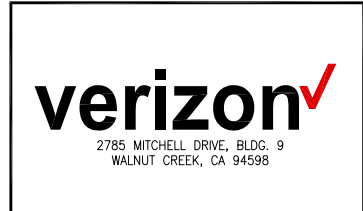
TYPICAL GROUNDING CONNECTIONS 24"x36" SCALE: NTS 11"x17" SCALE: NTS 4



NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 8



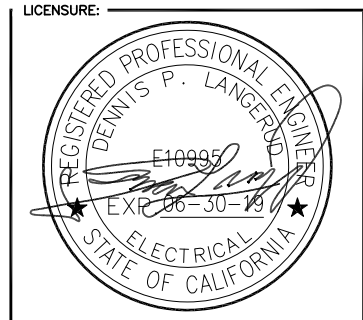
NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 12



REV	DATE	DESCRIPTION
C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S SET
A	02/01/2019	90% CD'S SET

ISSUED DATE: MAY 17, 2019

ISSUED FOR: 100% CD SET



PROJECT INFORMATION:
SOUTH CARMEL 002
LOCATION CODE: 428217
IFO SAN ANTONIO AVE.,
3SE 13TH AVE.,
CARMEL, CA 93923

DRAWN BY: SAM
CHECKED BY: RGG

SHEET TITLE: ELECTRICAL AND GROUNDING DETAILS

SHEET NUMBER: E-2

ABBREVIATIONS

AB	ANCHOR BOLT	JT	JOINT
AC	ASPHALTIC CONCRETE	LAM	LAMINATED
A/C	AIR CONDITIONING	LBS	POUNDS
ADJ	ADJUSTABLE	LT	LIGHT
A.F.F.	ABOVE FINISH FLOOR	LA	LIGHTNING ARRESTOR
ARCH	ARCHITECTURAL	LNA	LOW NOISE AMPLIFIER
APPROX	APPROXIMATELY	MFR	MANUFACTURER
A.G.L.	ABOVE GRADE LEVEL	MAT	MATERIAL
A.M.S.L.	ABOVE MEAN SEA LEVEL	MAX	MAXIMUM
BD	BOARD	MECH	MECHANICAL
BLDG	BUILDING	MIN	MINIMUM
BLKG	BLOCKING	MISC	MISCELLANEOUS
BOT	BOTTOM	ML	METAL LATH
BSMT	BASEMENT	MO	MASONRY OPENING
BTS	BASE TRANSCIVER STATION	MS	MACHINE SCREW
		MTD	MOUNTED
		MTL	METAL
C	COURSE(S)	(N)	NEW
CEM	CEMENT	NIC	NOT IN CONTRACT
CL	CHAIN LINK	NO	NUMBER
CLG	CEILING	NTS	NOT TO SCALE
CLR	CLEAR		
COL	COLUMN	OA	OVERALL
CONC	CONCRETE	O.C.	ON CENTER
CONST	CONSTRUCTION	OPNG	OPENING
CONT	CONTINUOUS	OPP	OPPOSITE
CORR	CORRIDOR		
CO	CONDUIT ONLY	PARTN	PARTITION
		PL	PLATE
		PLAS	PLASTER
		PLYWD	PLYWOOD
		PDC	POINT OF CONNECTION
		PROP	PROPERTY
		PT	PRESSURE TREATED
DIA	DIAMETER	R	RISER
DBL	DOUBLE	REQD	REQUIRED
DEPT	DEPARTMENT	RD	ROOF DRAIN
DEMO	DEMOLITION	RM	ROOM
DIM	DIMENSION	RMS	ROOMS
DN	DOWN	RO	ROUGH OPENING
DR	DOOR		
DTL	DETAIL	SC	SOLID CORE
DWG	DRAWING	SCHED	SCHEDULE
(E)	EXISTING	SECT	SECTION
EA	EACH	SHT	SHEET
ELEC	ELECTRIC	SIM	SIMILAR
ELEV	ELEVATION	SPCS	SPECIFICATIONS
EQUIP	EQUIPMENT	SS	STAINLESS STEEL
EXP	EXPANSION	STL	STEEL
EXT	EXTERIOR	STOR	STORAGE
		STRUCT	STRUCTURAL
		SUSP	SUSPENDED
		SW	SWITCH
		SWBO	SWITCHBOARD
FA	FIRE ALARM	THK	THICK
FB	FLAT BAR	TI	TENANT IMPROVEMENT
FF	FINISH FLOOR	TMA	TOWER MOUNTED AMPLIFIER
FH	FLAT HEAD	TOS	TOP OF SURFACE
FIN	FINISH(ED)	TS	TUBE STEEL
FLR	FLOOR	TYP	TYPICAL
FOS	FACE OF STUDS		
FS	FINISH SURFACE	UNO	UNLESS NOTED OTHERWISE
FT	FOOT, FEET		
FTG	FOOTING	VCT	VINYL COMPOSITION TILE
FW	FINISH WALL	VERT	VERTICAL
F.G.	FINISH GRADE	V.I.F.	VERIFY IN FIELD
FUT	FUTURE	VG	VERTICAL GRAIN
GA	GAUGE		
GALV	GALVANIZED		
GL	GLASS		
GR	GRADE		
GYP	GYP SUM		
GFCI	GROUND FAULT CIRCUIT INTERRUPT		
GND	GROUND		
HC	HOLLOW CORE		
HDW	HARDWARE		
HTR	HEATER		
HM	HOLLOW METAL		
HORIZ	HORIZONTAL		
HR	HOUR		
HSS	HOLLOW STRUCTURAL SECTION		
HT	HEIGHT		
HV	HIGH VOLTAGE		
ID	INSIDE DIMENSION		
INS	INSULATION		
INT	INTERIOR		

CONTRACTOR NOTES:

1.

PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

2.

ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT/ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.

3.

CONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER, T1 OR FIBER CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. CONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. CONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR. ROUTING OF TRENCHING SHALL BE APPROVED BY CONTRACTOR

4.

ALL MATERIALS AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE BUILDING CODE AND ALL OTHER GOVERNING CODES. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.

5.

THE CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES AS THEY MAY BE DISCOVERED IN THE PLANS, SPECIFICATIONS, & NOTES PRIOR TO STARTING CONSTRUCTION, INCLUDING BUT NOT LIMITED BY DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERROR, OMISSION, OR INCONSISTENCY AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER AND SHALL INCUR ANY EXPENSES TO RECTIFY THE SITUATION. THE METHOD OF CORRECTION SHALL BE APPROVED BY THE ARCHITECT/ENGINEER.

6.

PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR OR SUBCONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGE TO THE UTILITIES CAUSED DURING THE EXECUTION OF THE WORK, WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, UTILITIES SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW.

7.

ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND SHALL BE CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER.

8.

A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORMATION AS THE APPROVED PLANS. THE CONTRACTOR SHALL ALSO MAINTAIN ONE SET OF PLANS AT THE SITE FOR THE PURPOSE OF DOCUMENTING ALL AS-BUILT CHANGES, REVISIONS, ADDENDUMS, OR CHANGE ORDERS. THE CONTRACTOR SHALL FORWARD THE AS-BUILT/HIRED DRAWINGS TO THE ARCHITECT/ENGINEER AT THE CONCLUSION OF THE PROJECT.

9.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE THE WORK IS IN PROGRESS UNTIL THE JOB IS COMPLETE.

10.

THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER, AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER OR GOVERNING AGENCY.

11.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON, NOR PROVIDE DIRECTION, AS TO SAFETY PRECAUTIONS AND PROGRAMS.

12.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, SEQUENCING, AND COORDINATING ALL PORTIONS OF THE WORK UNDER THE PROJECT. FURTHERMORE, THE STRUCTURE IS DESIGNED AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

13.

THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS WITH RESPECT TO THE WORK TO COMPLETE THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE FILED BY THE OWNER OR HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN THE PERMIT AND MAKE FINAL PAYMENT OF SAID DOCUMENT(S).

14.

ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE UNLESS OTHERWISE NOTED.

15.

THE CONTRACTOR SHALL PROVIDE ALL NECESSARY FRAMING, BACKING, HANGERS, BLOCKING OR SUPPORTS FOR INSTALLATION OF ITEMS INDICATED ON THE DRAWINGS.

16.

NEW CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR EXCEPT AS NOTED IN THE PLANS.

17.

WHERE SPECIFIED, MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR RECORDING THE RESULTS.

18.

ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.

19.

ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY STANDARDS. IF A CONTRACTOR HAS A QUESTION REGARDING THEIR EXACT MEANING, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED FOR CLARIFICATIONS.

20.

CONTRACTORS SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.

21.

THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTION OF THE WORK TO THE EXISTING WORK.

22.

REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING (SHEET LST1), SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY, THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT/ENGINEER.

23.

NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT/ENGINEER. UNAUTHORIZED CHANGES RENDER THESE DRAWINGS VOID. THIS INCLUDES THAT THE CONTRACTOR SHALL NOT BE RELIEVED OF ANY DEVIATION FROM THE PLANS BY THE PROFESSIONAL'S OF RECORD REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC. UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION IN WRITING AT THE TIME OF SUBMISSION, AND THE PROFESSIONAL OF RECORD HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.

24.

ANY REFERENCE TO THE WORDS "APPROVED" OR "APPROVAL" IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE CONTRACTOR AND/OR HIS SUB-CONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFIED.

25.

KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.

EQUIPMENT LOCATION

1.

THE DRAWINGS INDICATE DIAGRAMMATICALLY THE DESIRED LOCATIONS OR ARRANGEMENTS OF CONDUIT RUNS, OUTLETS, EQUIPMENT, ETC., AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE. PROPER JUDGEMENT MUST BE EXERCISED IN EXECUTING THE WORK SO AS TO SECURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE LIMITATIONS OR INTERFERENCE OF STRUCTURE CONDITIONS ENCOUNTERED.

2.

IN THE EVENT CHANGES IN THE INDICATED LOCATIONS OR ARRANGEMENTS ARE NECESSARY, DUE TO FIELD CONDITIONS IN THE BUILDING CONSTRUCTION OR REARRANGEMENT OF FURNISHINGS OR EQUIPMENT, SUCH CHANGES SHALL BE MADE WITHOUT COST, PROVIDING THE CHANGE IS ORDERED BEFORE THE CONDUIT RUNS, ETC., AND WORK DIRECTLY CONNECTED TO THE SAME IS INSTALLED AND NO EXTRA MATERIALS ARE REQUIRED.

3.

COORDINATE THE WORK OF THIS SECTION WITH THAT OF ALL OTHER TRADES, WHERE CONFLICTS OCCUR, CONSULT WITH THE RESPECTIVE CONTRACTOR AND COME TO AGREEMENT AS TO CHANGES NECESSARY, OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER FOR THE PROPOSED CHANGES BEFORE PROCEEDING.

UTILITY SERVICE

1.

TELEPHONE AND ELECTRICAL METERING FACILITIES SHALL CONFORM TO THE REQUIREMENTS OF THE SERVING UTILITY COMPANIES. CONTRACTOR SHALL VERIFY SERVICE LOCATIONS AND REQUIREMENTS. SERVICE INFORMATION WILL BE FURNISHED BY THE SERVING UTILITIES.

2.

CONFORM TO ALL REQUIREMENTS OF THE SERVING UTILITY COMPANIES

verizon

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

SEQUOIA

DEPLOYMENT SERVICES, INC.
22471 ASPAN STREET, STE 290
LAKE FOREST, CA 92630

esite

concepts

10650 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
tel: (858) 433-7173 / (858) 433-7176

D	05/17/2019	SETBACK ADDED
C	03/08/2019	100% CD'S SET
B	01/29/2019	100% CD'S SET
A	01/16/2019	DESIGN DEVELOPMENT
REV	DATE	DESCRIPTION

ISSUED DATE:

MAY 17, 2019

ISSUED FOR:

100% CD SET

LICENSURE:

REGISTERED PROFESSIONAL ENGINEER
MICHAEL B. LEFFLER
No. C 83930
Exp. 9-30-19
CIVIL
STATE OF CALIFORNIA

PROJECT INFORMATION:

SOUTH CARMEL 003

LOCATION CODE: 428218

IN FRONT OF 10TH AVE. 1 NW
DOLORES ST., CARMEL, CA 93923

DRAWN BY:

MAM

CHECKED BY:

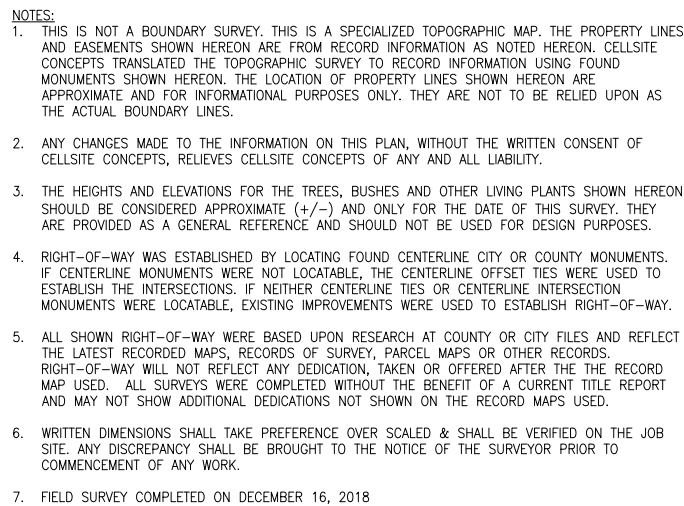
RGG

SHEET TITLE:

NOTES AND SPECIFICATIONS

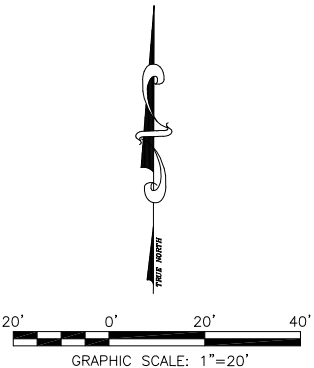
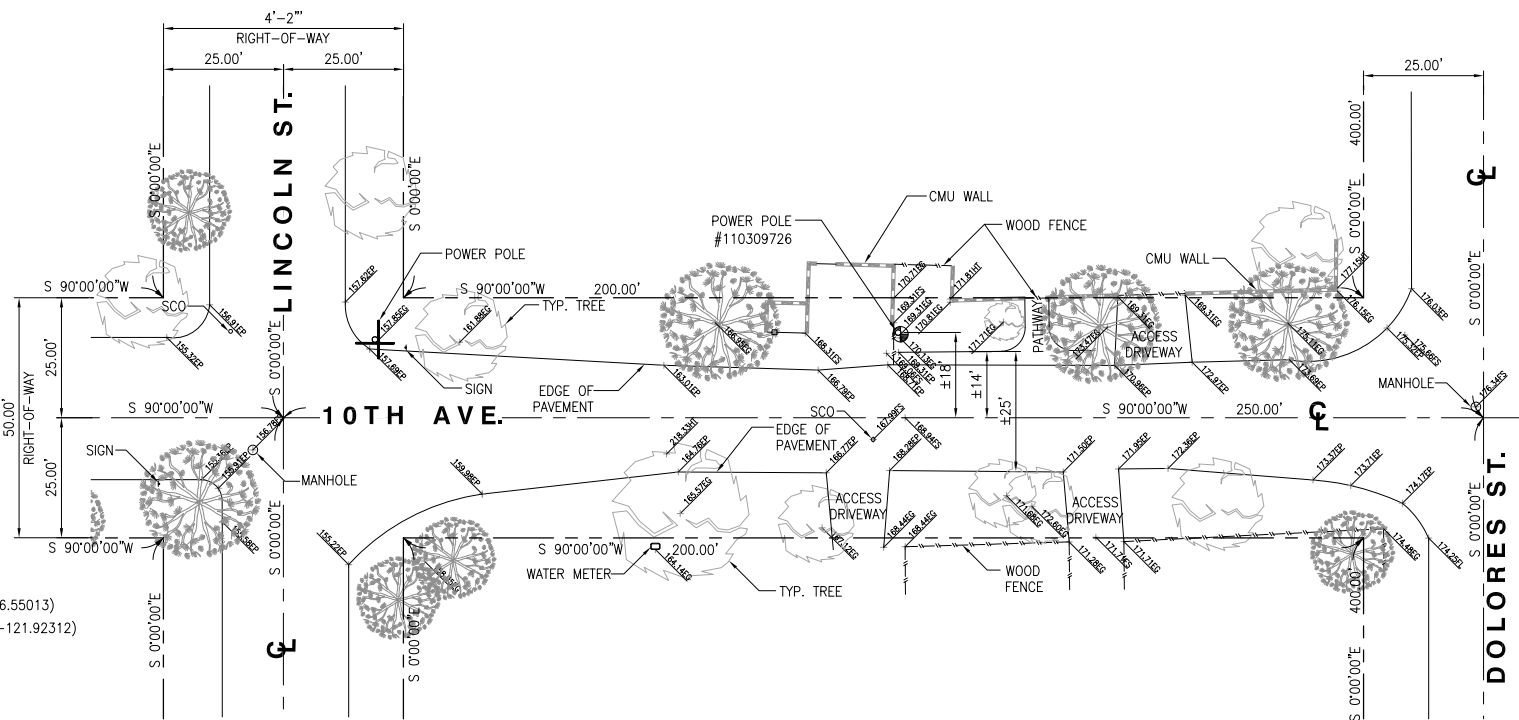
SHEET NUMBER:

T-2



LEGEND	
	CENTER LINE
	PROPERTY LINE
	CHAIN-LINK FENCE
	WOOD FENCE
	WROUGHT IRON FENCE
	EASEMENT LINE
	RETAINING WALL
TC	TOP OF CURB
FL	FLOW LINE
FS	FINISH SURFACE
EG	EXISTING GRADE
HT	HEIGHT
EP	EDGE OF PAVEMENT
BW	BACK OF WALL
	EXISTING STREET LIGHT
	EXISTING TRAFFIC SIGNAL
	EXISTING SIGN
	GUY WIRE
	CATCH BASIN
	POWER POLE
	FIRE HYDRANT
	PINE TREE
	PALM TREE
	TREE
	BUSH
	EXISTING CONCRETE
	EXISTING GRASS/TURF

MONUMENTS



1	12/18/2018	FINAL SURVEY
REV	DATE	DESCRIPTION

ISSUED DATE: DECEMBER 18, 2018

ISSUED-FOR: _____

FINAL SURVEY



PROJECT INFORMATION: _____

SOUTH CARMEL 003

IFO 10TH AVE., 1 NW DOLORES ST.,
CARMEL, CA 93923

DRAWN BY:	EMS
CHECKED BY:	RH

SHEET-TITLE: _____

TOPOGRAPHIC
SURVEY

SHEET-NUMBER: _____

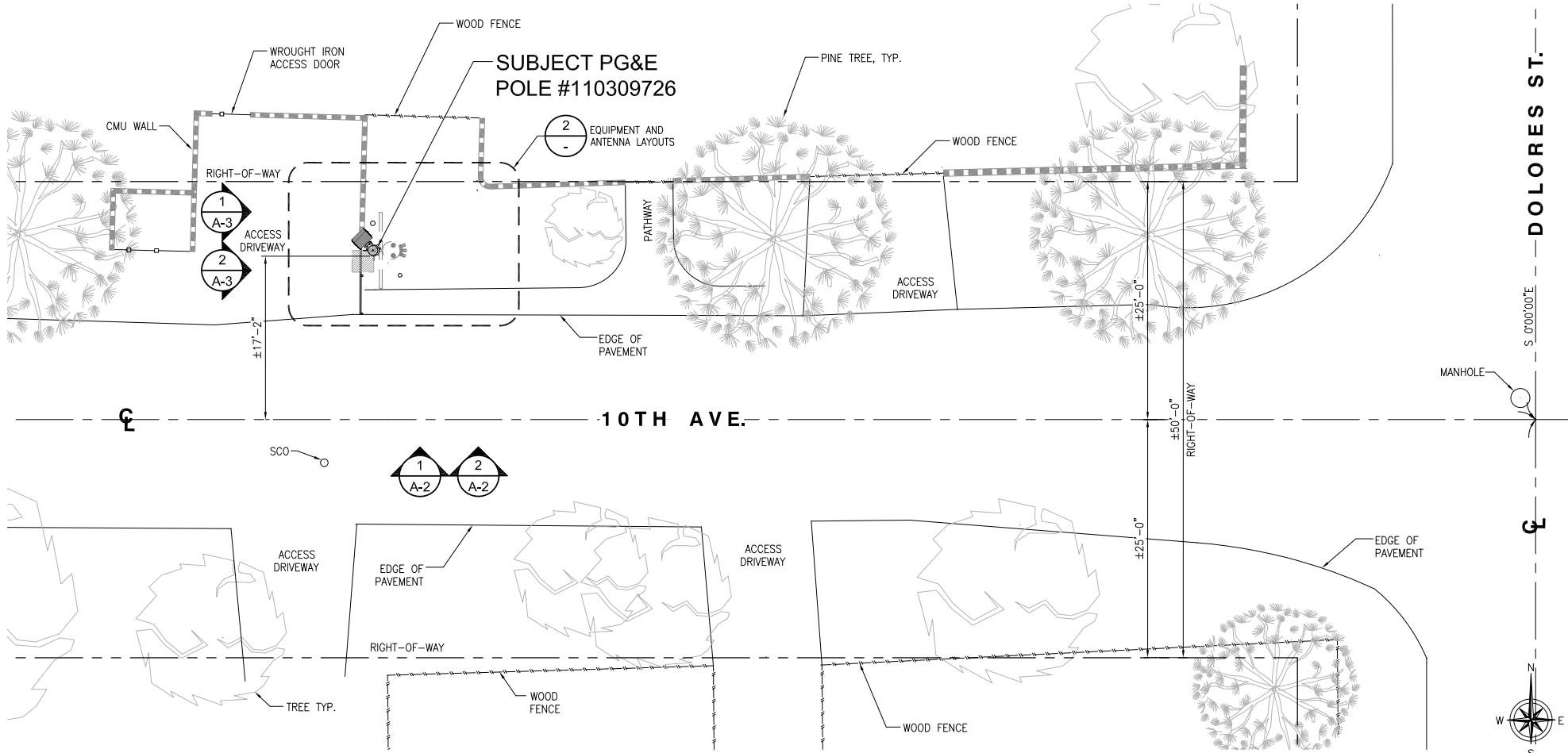
LS-1

SITE NOTES:

1. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT/ ENGINEER.
2. CONTRACTOR TO VERIFY LOCAL UTILITY REQUIREMENTS FOR DEPTH, SIZES, AND SEPARATION OF CONDUITS PRIOR TO INSTALLATION. NOTIFY CONSTRUCTION MANAGER IMMEDIATELY OF ANY DISCREPANCIES.
3. PROPOSED UTILITY SERVICES SHOWN NEED TO BE VERIFIED AND APPROVED BY UTILITY COMPANIES BEFORE START OF CONSTRUCTION. CONTRACTOR TO VERIFY WITH CLIENT PROJECT MANAGER TO OBTAIN FINAL APPROVAL.
4. VERIFY, LOCATE, AND PROTECT ALL EXISTING SUBSTRUCTURES AS REQUIRED. CALL DIG ALERT ☎ (800) 227-2600 48 HOURS BEFORE ANY EXCAVATION. CONTRACTOR IS RESPONSIBLE TO HAVE ALL NON-PUBLIC UTILITIES LOCATED AT THEIR OWN EXPENSE.
5. CONTRACTOR SHALL IMMEDIATELY INFORM CLIENT OF ANY ACCIDENTAL DAMAGE TO EXISTING UTILITIES VIA PHONE OR EMAIL REGARDLESS OF ABILITY TO REPAIR OR MITIGATE. A FOLLOW-UP EMAIL REPORT WITH DIGITAL PHOTOS WILL BE REQUIRED DAILY UNTIL RESOLUTION HAS BEEN ACCEPTED BY CLIENT, AFFECTED SERVICE PROVIDERS, AND RECIPIENTS. AT THEIR OWN EXPENSE, CONTRACTOR WILL EXERCISE ALL EFFORTS TO HAVE REPAIRS MADE BY QUALIFIED TECHNICIANS AS APPROVED BY SERVICE PROVIDER.
6. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE REFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER, FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
7. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
8. ANY DRAIN AND /OR FIELD TILE ENCOUNTERED/DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK, SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT OR ENGINEER AT COMPLETION OF PROJECT.
9. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH THE CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
10. NEW CONDUITS SHALL BE INSTALLED IN TRENCH SUCH THAT THE TOP OF CONDUIT SHALL HAVE A MINIMUM COVER OF 30-INCHES BELOW ADJACENT EDGE OF PAVEMENT OR ORIGINAL GROUND, WHICHEVER IS LOWER IN ELEVATION.
11. ALL PULL BOXES SHALL BE PRECAST REINFORCED CONCRETE AND HAVE NON CONDUCTIVE LIDS. EXISTING PULL BOX COVERS THAT ARE MARKED INCORRECTLY SHALL BE REPLACED.
12. REGRADE LANDSCAPING AS NEEDED AND REPLACE DAMAGED IRRIGATION LINES WITHIN 24 HOURS.

UNDERGROUND UTILITIES NOTE:

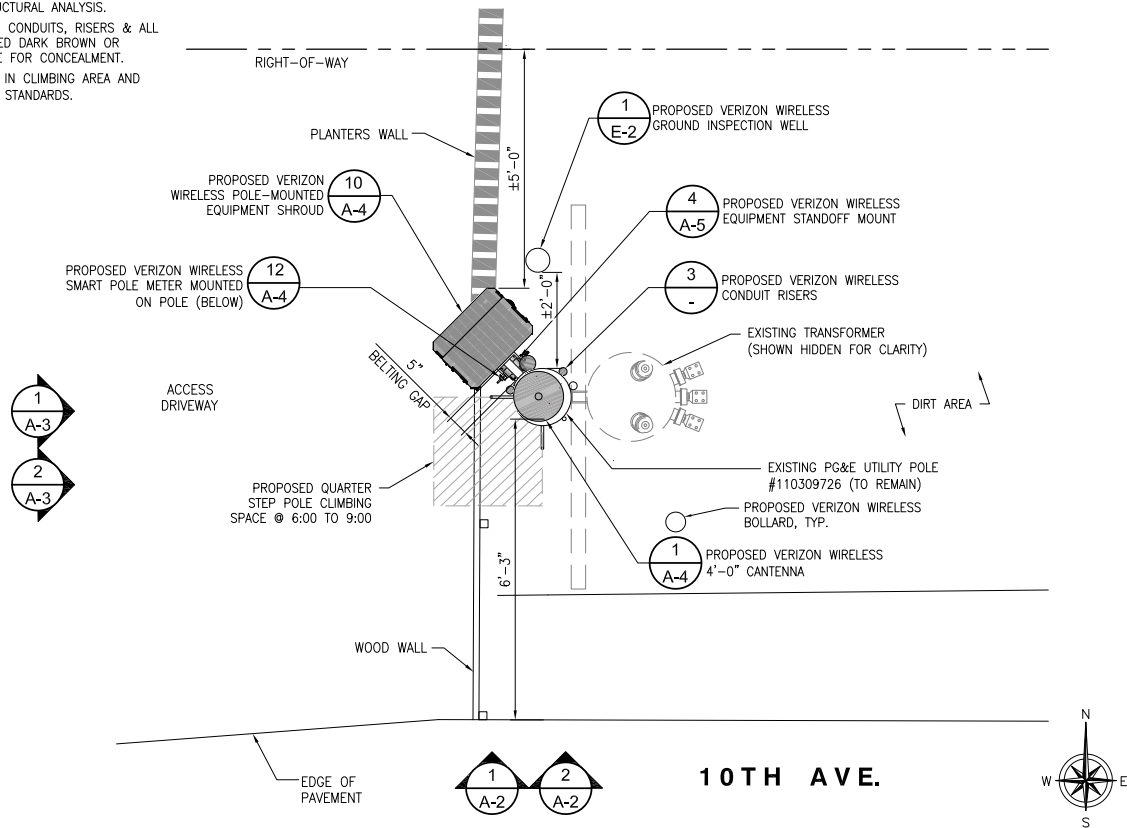
ALL EXISTING SUB-SURFACE UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM FIELD SURVEY AND/OR AVAILABLE RECORDS, THE ARCHITECT/ ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR THE DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES. THERE MAY BE EXISTING UTILITIES OTHER THAN THOSE SHOWN ON THIS PLAN. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINE SHOWN AND ANY OTHER LINES NOT SHOWN ON THIS PLAN.



SITE PLAN

NOTES:

1. THE NEW LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING AND STRUCTURAL ANALYSIS.
2. NEW ANTENNAS, EQUIPMENT, CONDUITS, RISERS & ALL HARDWARE SHALL BE PAINTED DARK BROWN OR EQUIVALENT TO MATCH POLE FOR CONCEALMENT.
3. RF SIGNAGE TO BE PLACED IN CLIMBING AREA AND STREET SIDE PER VZW/FCC STANDARDS.



EQUIPMENT AND ANTENNA LAYOUTS

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"



2

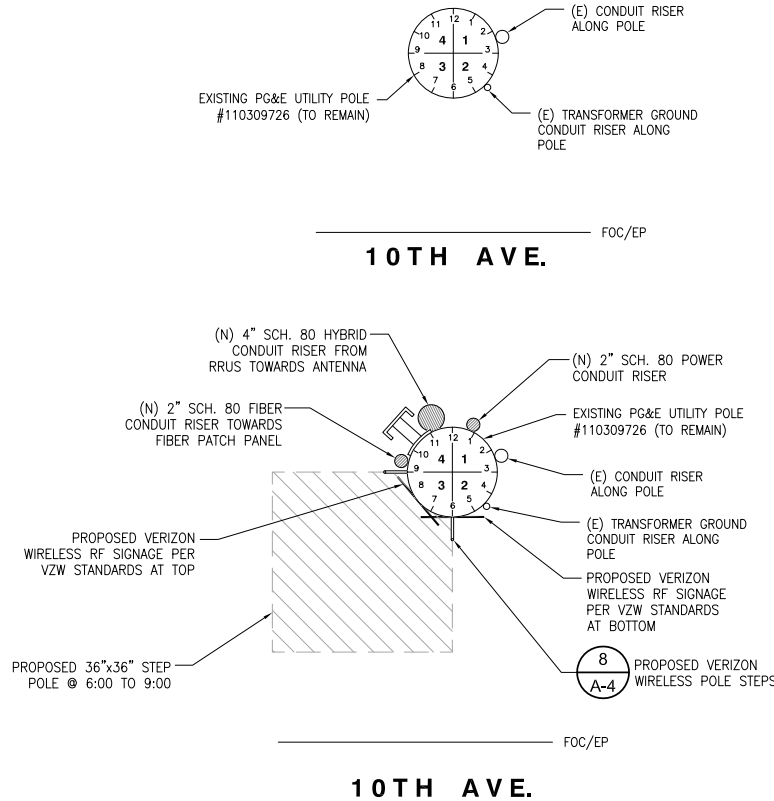
MAKE READY

EXISTING POLE INFORMATION

POLE HEIGHT: 45 FT
MATERIAL: DF
POLE CLASS: 4
YEAR SET: 2012

MAKE-READY SCOPE:

1. VERIZON TO INSTALL (1) SMART POLE METER ON STANDOFF MOUNT AT 10:30 POSITION.
2. VERIZON TO INSTALL (1) DISTRIBUTION PANEL AND DISCONNECT SWITCH ON STANDOFF MOUNT AT 10:30 POSITION.
3. VERIZON TO INSTALL (1) EQUIPMENT SHROUD ON STANDOFF MOUNT AT 10:30 POSITION.
4. VERIZON TO INSTALL (1) 4FT ANTENNA ON TOP OF PROPOSED 7'-0" HIGH POLE EXTENSION.
5. VERIZON TO INSTALL 2" SCHEDULE 80 PVC POWER RISER MOUNTED ON CONDUIT STANDOFF AT 12:30 POSITION FROM SERVICE DROP TO METER.
6. VERIZON TO INSTALL 4" SCHEDULE 80 PVC HYBRID RISER MOUNTED ON CONDUIT STANDOFF AT 9:30 POSITION FROM SERVICE DROP TO EQUIPMENT CABINET.
7. INSTALL 2" SCHEDULE 80 PVC FIBER RISER MOUNTED ON CONDUIT STANDOFF AT 9:30 POSITION FROM SERVICE DROP TO EQUIPMENT CABINET.
8. VERIZON TO STEP POLE @ 6:00 TO 9:00



24"x36" SCALE: NTS
11"x17" SCALE: NTS

3

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tel: (858) 433-7173 / (858) 433-7176

REV	DATE	DESCRIPTION
D	05/17/2019	SETBACK ADDED
C	03/08/2019	100% CD'S SET
B	01/29/2019	100% CD'S SET
A	01/16/2019	DESIGN DEVELOPMENT

ISSUED DATE:

MAY 17, 2019

ISSUED FOR:

100% CD SET

LICENSURE:



PROJECT INFORMATION:

SOUTH CARMEL 003

LOCATION CODE: 428218

IN FRONT OF 10TH AVE. 1 NW
DOLORES ST., CARMEL, CA 93923

DRAWN BY:

MAM

CHECKED BY:

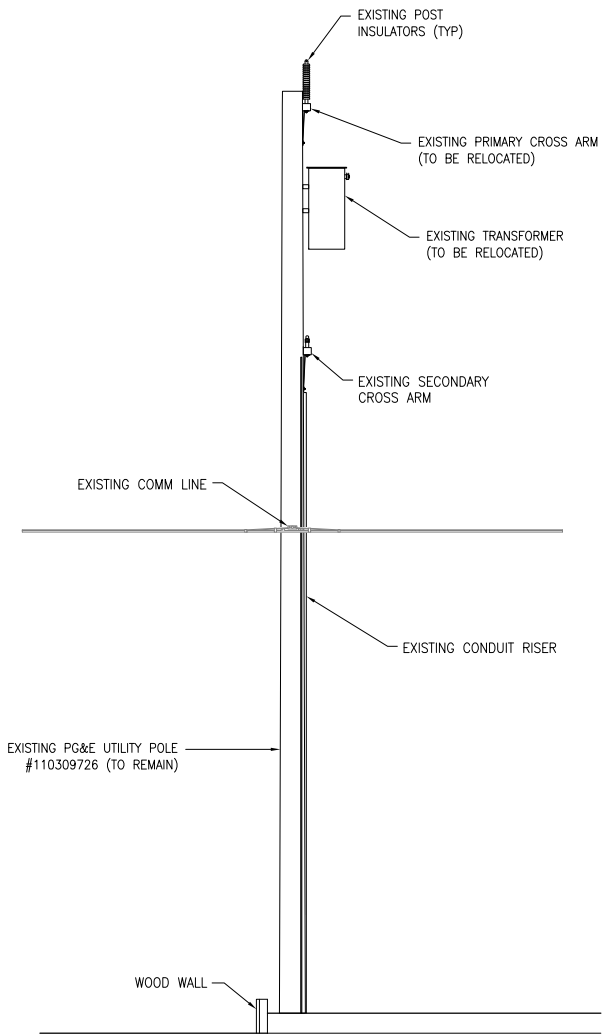
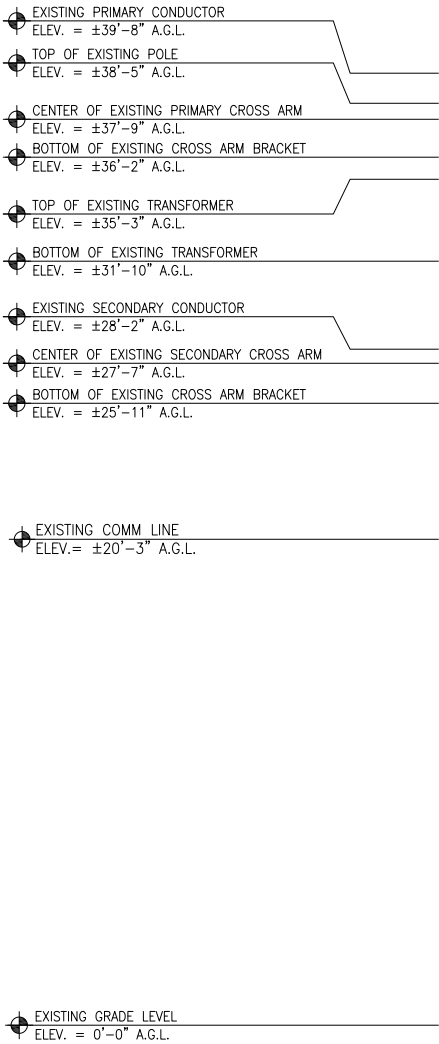
RGG

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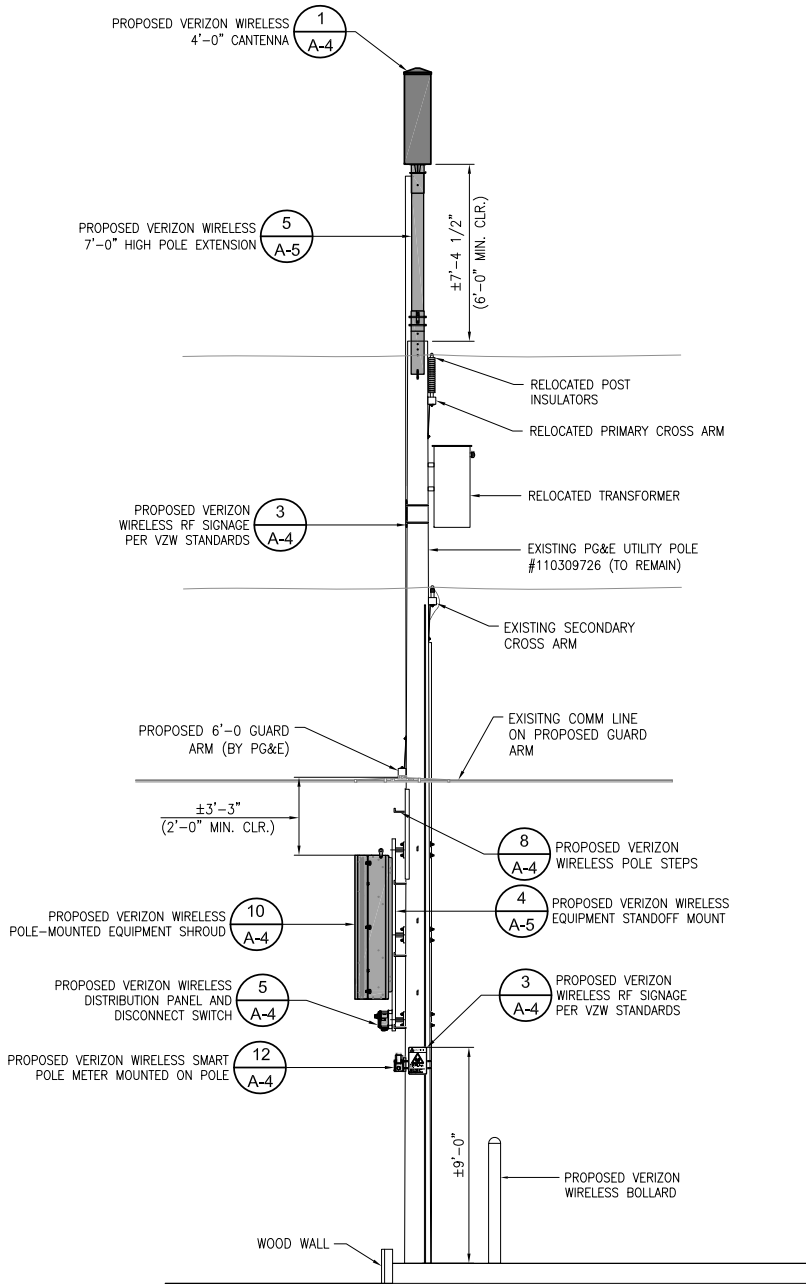
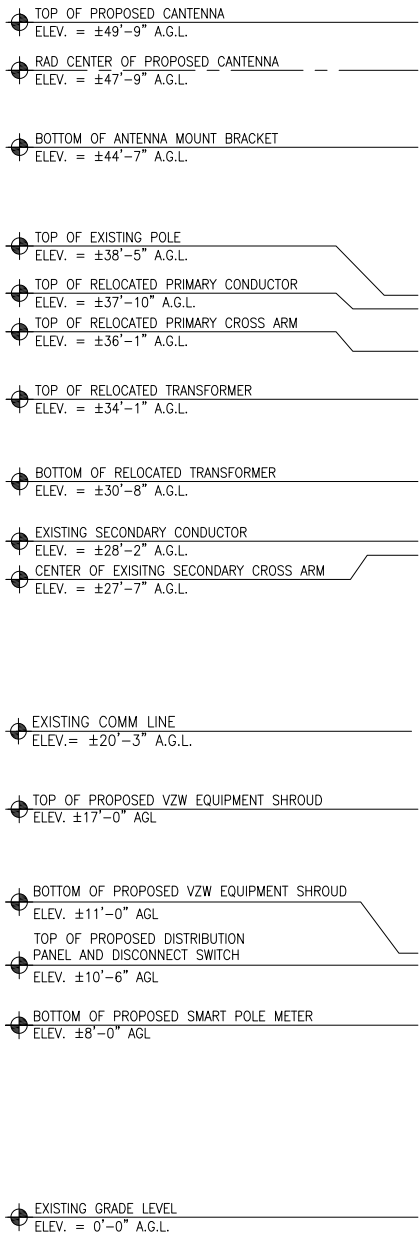
SITE PLAN AND
EQUIPMENT AND
ANTENNA LAYOUTS

SHEET NUMBER:

A-1

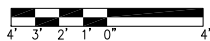


- NOTES:
1. THE NEW LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING AND STRUCTURAL ANALYSIS.
 2. NEW ANTENNAS, EQUIPMENT, CONDUITS, RISERS & ALL HARDWARE SHALL BE PAINTED DARK BROWN OR EQUIVALENT TO MATCH POLE FOR CONCEALMENT.
 3. RF SIGNAGE TO BE PLACED IN CLIMBING AREA AND STREET SIDE PER VZW/FCC STANDARDS.
 4. EQUIPMENT SHROUD MOUNTING VIEW ROTATED 45° COUNTERCLOCKWISE FOR CLARITY.



EXISTING SOUTH ELEVATION

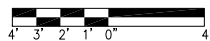
24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



1

PROPOSED SOUTH ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



2

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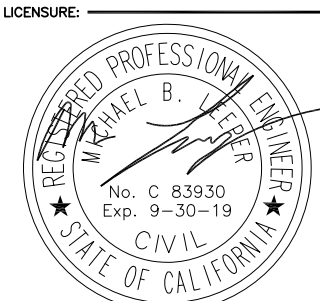
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DOLORES ST., CARMEL, CA 93923

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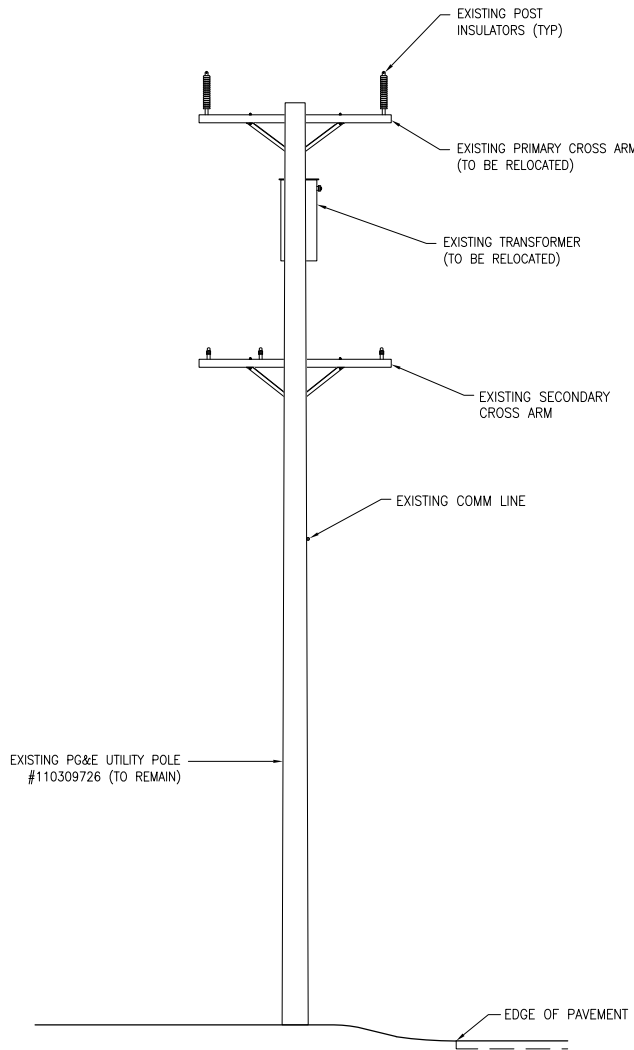
SHEET TITLE:
ARCHITECTURAL
ELEVATIONS

SHEET NUMBER:
A-2

- EXISTING PRIMARY CONDUCTOR
ELEV. = ±39'-8" A.G.L.
- TOP OF EXISTING POLE
ELEV. = ±38'-5" A.G.L.
- CENTER OF EXISTING PRIMARY CROSS ARM
ELEV. = ±37'-9" A.G.L.
- BOTTOM OF EXISTING CROSS ARM BRACKET
ELEV. = ±36'-2" A.G.L.
- TOP OF EXISTING TRANSFORMER
ELEV. = ±35'-3" A.G.L.
- BOTTOM OF EXISTING TRANSFORMER
ELEV. = ±31'-10" A.G.L.
- EXISTING SECONDARY CONDUCTOR
ELEV. = ±28'-2" A.G.L.
- CENTER OF EXISTING SECONDARY CROSS ARM
ELEV. = ±27'-7" A.G.L.
- BOTTOM OF EXISTING CROSS ARM BRACKET
ELEV. = ±25'-11" A.G.L.

- EXISTING COMM LINE
ELEV.= ±20'-3" A.G.L.

- EXISTING GRADE LEVEL
ELEV. = 0'-0" A.G.L.



- NOTES:
- THE NEW LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING AND STRUCTURAL ANALYSIS.
 - NEW ANTENNAS, EQUIPMENT, CONDUITS, RISERS & ALL HARDWARE SHALL BE PAINTED DARK BROWN OR EQUIVALENT TO MATCH POLE FOR CONCEALMENT.
 - RF SIGNAGE TO BE PLACED IN CLIMBING AREA AND STREET SIDE PER VZW/FCC STANDARDS.
 - EQUIPMENT SHROUD MOUNTING VIEW ROTATED 45° COUNTERCLOCKWISE FOR CLARITY.

- TOP OF PROPOSED ANTENNA
ELEV. = ±49'-9" A.G.L.
- RAD. CENTER OF PROPOSED ANTENNA
ELEV. = ±47'-9" A.G.L.

- BOTTOM OF ANTENNA MOUNT BRACKET
ELEV. = ±44'-7" A.G.L.

- TOP OF EXISTING POLE
ELEV. = ±38'-5" A.G.L.
- TOP OF RELOCATED PRIMARY CONDUCTOR
ELEV. = ±37'-10" A.G.L.
- TOP OF RELOCATED PRIMARY CROSS ARM
ELEV. = ±36'-1" A.G.L.

- TOP OF RELOCATED TRANSFORMER
ELEV. = ±34'-1" A.G.L.

- BOTTOM OF RELOCATED TRANSFORMER
ELEV. = ±30'-8" A.G.L.

- EXISTING SECONDARY CONDUCTOR
ELEV. = ±28'-2" A.G.L.
- CENTER OF EXISITING SECONDARY CROSS ARM
ELEV. = ±27'-7" A.G.L.

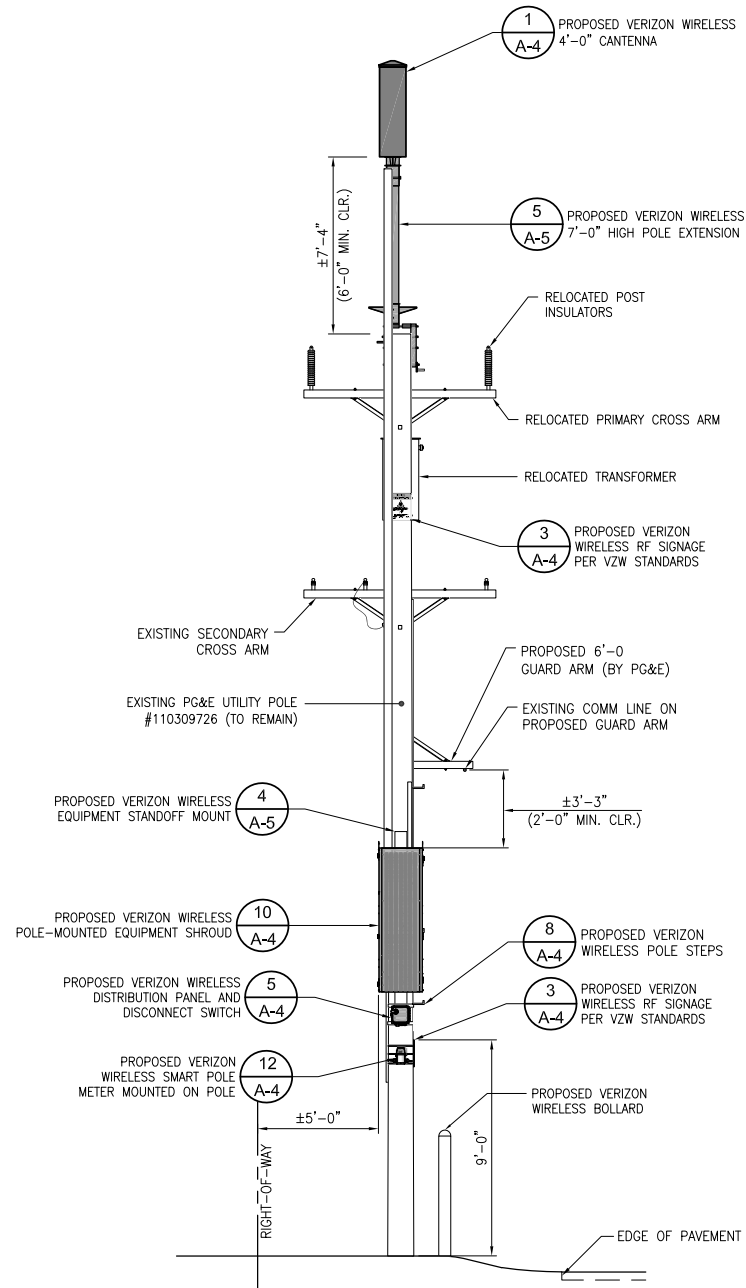
- EXISTING COMM LINE
ELEV.= ±20'-3" A.G.L.

- TOP OF PROPOSED VZW EQUIPMENT SHROUD
ELEV. ±17'-0" AGL

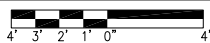
- BOTTOM OF PROPOSED VZW EQUIPMENT SHROUD
ELEV. ±11'-0" AGL
- TOP OF PROPOSED DISTRIBUTION PANEL AND DISCONNECT SWITCH
ELEV. ±10'-6" AGL

- BOTTOM OF PROPOSED SMART POLE METER
ELEV. ±8'-0" AGL

- EXISTING GRADE LEVEL
ELEV. = 0'-0" A.G.L.



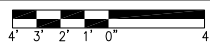
24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



1

PROPOSED WEST ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



2

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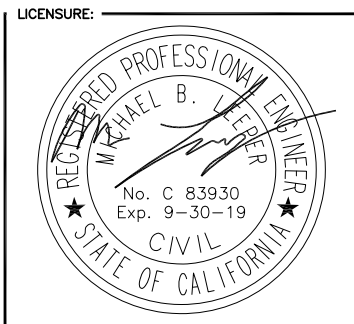
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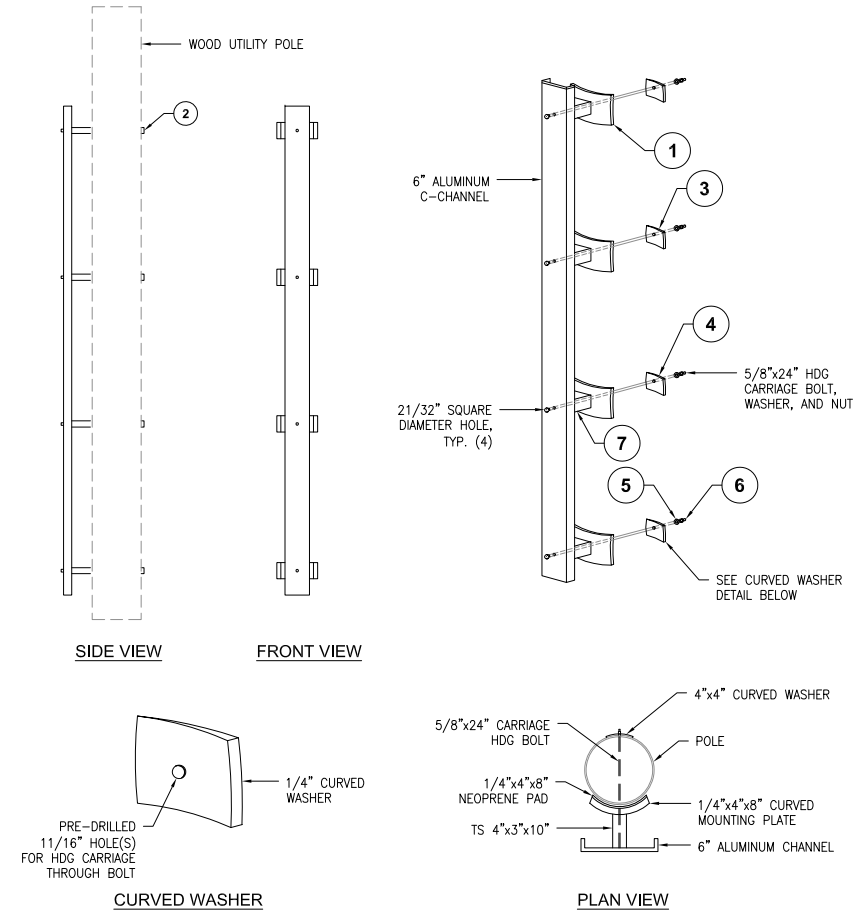
DRAWN BY: MAM
CHECKED BY: RGG

SHEET TITLE:
ARCHITECTURAL
ELEVATIONS

SHEET NUMBER:
A-3

ITEM NO.	QTY	DESCRIPTION	SIZE
1	4	HDG CARRIAGE BOLTS	5/8"x24"
2	4	HDG WASHER	5/8"
3	4	HDG NUTS	5/8"
4	4	CURVED WASHERS	1/4"x4"x4"
5	1	ALUMINUM C-CHANNEL	6"x2"x96"L
6	4	NEOPRENE PAD	4"x8"
7	4	TUBE STEEL w/ WELDED 4" x 8" SADDLE	3"x3"x10"L

MANUFACTURER: MICRO WIRELESS SOLUTIONS
PART NO: JPAK-EM-100-08

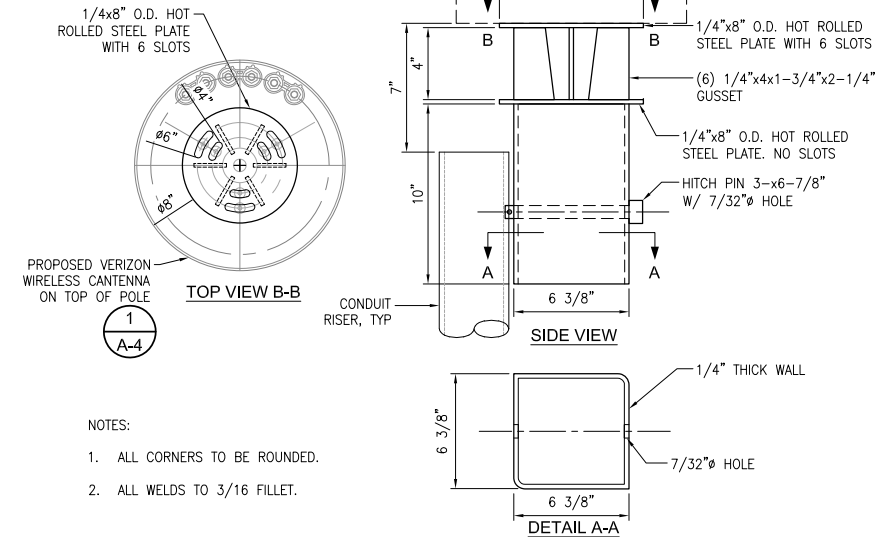


EQUIPMENT STANDOFF (OR APPROVED EQUAL)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

4

MANUFACTURER: MICRO WIRELESS SOLUTIONS
PART NO: JPAK-B-AM-300-04

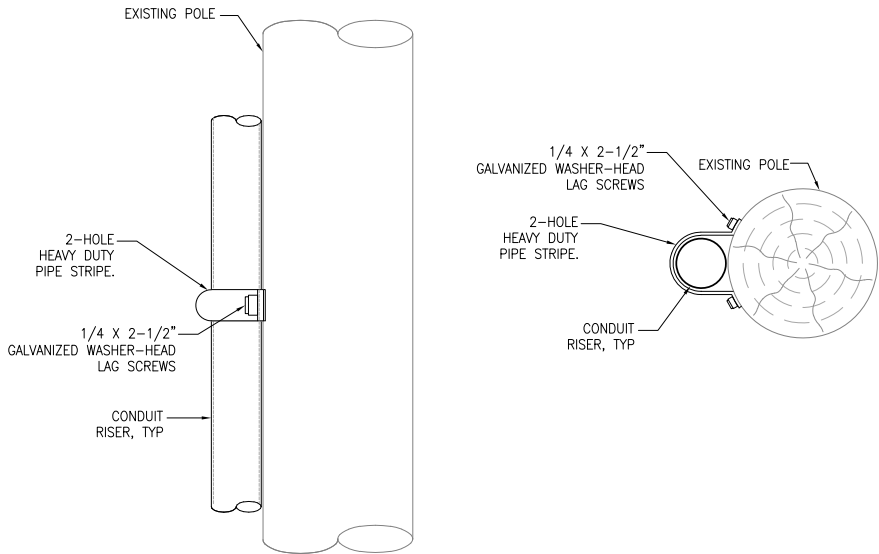


ANTENNA MOUNT BRACKET (OR APPROVED EQUAL)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

7

POLE TOP EXTENSION



CONDUIT ATTACHMENT

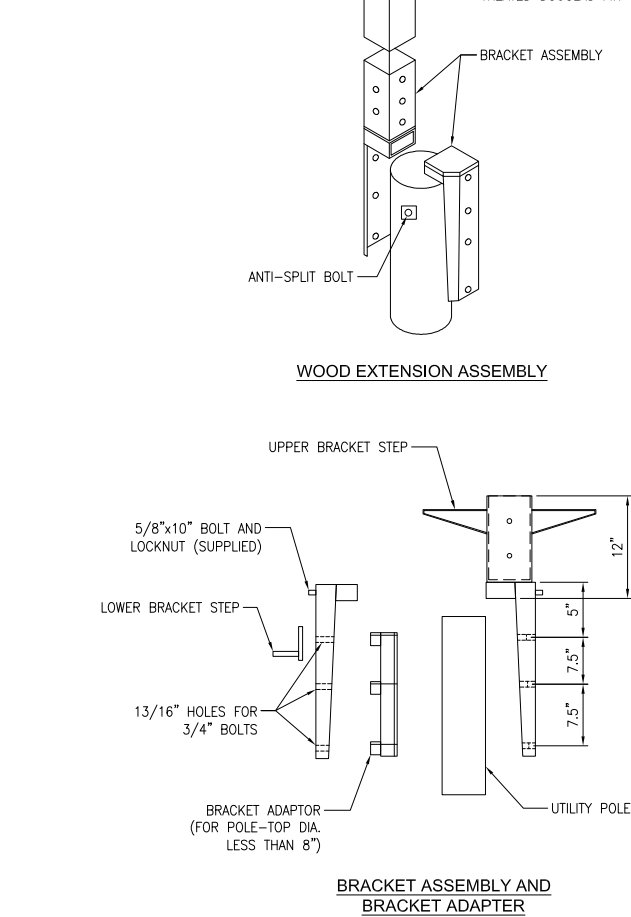
24"x36" SCALE: NTS
11"x17" SCALE: NTS

8

NOTES:

- THIS UNIT MEETS GENERAL ORDER (G.O.) 95 REQUIREMENT FOR STRENGTH IN CLASS 3 THROUGH CLASS 6 POLE AND THEREFORE MAY BE USED TO SUPPORT EQUIPMENT ON THESE CLASSES OR POLES. IT MAY BE USED ON LARGE CLASS POLE, BUT MAY NOT SUPPORT EQUIPMENT ON THEM.
- THIS UNIT MAY BE GUYED.
- THE BRACKET IS MADE TO FIT POLES WITH DIAMETER OF 8" TO 11". THEREFORE, DEPENDING UPON THE ACTUAL POLE-TOP DIAMETER TO FIT POLES OF CLASS 3 AND SMALLER, BRACKET ADAPTER MAY BE REQUIRED.
- UNITS ARE SUPPLIED WITH THE WOOD BAYONET ASSEMBLED.
- A POLE STEP KIT IS REQUIRED.
- ATTACH THE BRACKET ASSEMBLY ACROSS THE LINE DIRECTION WITH THE CROSS ARM.
- INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

MANUFACTURER: MICRO WIRELESS SOLUTIONS
PART NO: B-AM-300-7



POLE TOP EXTENSION BRACKET ASS'Y(OR APPROVED EQUAL)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

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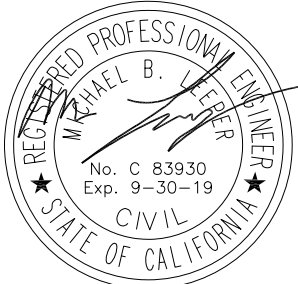
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PROJECT INFORMATION:

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IN FRONT OF 10TH AVE. 1 NW
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DRAWN BY:

MAM

CHECKED BY:

RGG

SHEET TITLE:

DETAILS

SHEET NUMBER:

A-5

24"x36" SCALE: NTS
11"x17" SCALE: NTS

9

ELECTRICAL NOTES

1.

THIS INSTALLATION SHALL COMPLY WITH THE CURRENTLY ADOPTED EDITION OF THE CALIFORNIA ELECTRICAL CODE (CEC), WITH THE UTILITY COMPANY AND LOCAL CODE REQUIREMENTS.
2.

POWER, CONTROL AND EQUIPMENT GROUND WIRING IN CONDUIT SHALL BE SINGLE CONDUCTOR (#12 AWG AND LARGER), 600V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED.
3.

CUT, COIL AND TAPE A 3 FOOT PITGAL FROM END OF LFMC FOR TERMINATING AT EQUIPMENT, IF REQUIRED.
4.

SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS OR BELOW GRADE SHALL BE SINGLE CONDUCTOR #2 AWG SOLID, TINNED, COPPER WIRE
5.

ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP STYLE, COMPRESSION, WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C.
6.

ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMINATED PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (PANELBOARD AND CIRCUIT IDENTIFICATION).
7.

ALL CONDUIT RUN ABOVE GROUND OR EXPOSED SHALL BE RIGID STEEL.
8.

CABINETS, BOXES AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC AND CEC.
9.

PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
10.

ALL ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER) SHALL BE BONDED TOGETHER AT OR BELOW GRADE BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE CEC.
11.

PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
12.

METAL RACEWAY SHALL NOT BE USED AS THE CEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION SIZED IN ACCORDANCE WITH THE CEC SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO EQUIPMENT.
13.

EXPOSED GROUND CONNECTIONS SHALL BE MADE WITH COMPRESSION CONNECTORS WHICH ARE THEN BOLTED TO EQUIPMENT USING STAINLESS STEEL HARDWARE. INSTALLATION TORQUE SHALL BE PER MANUFACTURER'S REQUIREMENTS.
14.

PROVIDE SUPPORTING DEVICES FOR ALL ELECTRICAL EQUIPMENT, FIXTURES, BOXES, PANEL, ETC., SUPPORT LUMINARIES FROM UNDERSIDE OF STRUCTURAL CEILING. EQUIPMENT SHALL BE BRACED TO WITHSTAND HORIZONTAL FORCES IN ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. PROVIDE PRIOR ALIGNMENT AND LEVELING OF ALL DEVICES AND FIXTURES.

POLE CONSTRUCTION NOTES:

1.

METER SHALL NOT FACE THE STREET, ALLEY, OR PROPERTY SIDE OF THE POLE.
2.

METER BASE AND DISCONNECT SHALL BE BONDED TO A SEPARATE GROUND FROM THE POLE GROUND WITH CONDUCTOR HAVING A CURRENT CAPACITY THAN NO LESS THAN #6 SOLID COPPER CONDUCTOR.
3.

EQUIPMENT CANNOT OVERHANG THE ROADWAY.
4.

VERIFY AND RECORD ALL CHANGES AND FOOTAGES IN FIELD ON THE FINAL AS-BUILT DRAWINGS.
5.

GROUNDINGS ARE TO BE TESTED: REQUIRES 5 OHMS OR LESS RESISTANCE.
6.

ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION.
7.

NOTIFY PROPERTY OWNER BEFORE WORKING ON OR AROUND PRIVATE PROPERTY.
8.

OBTAIN SPECIAL PERMITS AND PAY FEES AS REQUIRED WHEN WORKING ON CITY AND COUNTY HIGHWAY SITES.
9.

MAINTAIN 36" MINIMUM COVER IN PARKWAY.
10.

MAINTAIN 30" MINIMUM COVER BELOW GUTTER GRADE ON SURFACE STREETS.
11.

CONDUITS MAY BE MOUNTED DIRECTLY TO THE POLE OR U-GUARD MAY BE USED IF THE POLE IS WITHIN 15' OF A BUCKET TRUCK ACCESSIBLE PAVED ROAD. IF NOT ACCESSIBLE AND THE CONDUIT IS GREATER THAN 1-1/2", THE CONDUIT IS TO BE MOUNTED WITH A STANDOFF BRACKET THAT PROVIDES 7" CLEARANCE FROM THE POLE TO THE CONDUIT.
12.

CONTRACTOR TO PROVIDE MOUNTS OR ADDITIONAL HARDWARE IF REQUIRED FOR INSTALLATION OF PROPOSED ANTENNAS.
13.

CONDUIT REQUIREMENTS:
UNDERGROUND – SCHEDULE 40 PVC OR BETTER
RISERS – SCHEDULE 80 PVC WITH FIRST 10' ABOVE GROUND LEVEL TO BE RGS FOR PROTECTION PURPOSES. ALL CONDUITS WILL BE MANDRELED AND EQUIPPED WITH 3/8" PULL ROPE AND MEASURE TAPE IF REQUIRED.

GROUNDING NOTES

1.

ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION SHALL BE ACCORDING TO SITE CONDITIONS.
2.

ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
3.

GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
4.

ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: MECHANICAL/ CONNECTIONS U.N.O.
5.

INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
6.

ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
7.

ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED SO THAT IT WILL BY-PASS MAIN BUSS BAR.
8.

USE SEPARATE HOLES FOR GROUNDING AT BUSS BAR. NO "DOUBLE-UP" OR BACK TO BACK LUGS.
9.

NO LB'S ALLOWED ON GROUNDING.
10.

PROVIDE STAINLESS STEEL CLAMP AND BRASS TAGS ON ANY COAX AT ANTENNAS AND RADIOS.
11.

ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE CALIFORNIA ELECTRICAL CODE (CEC).
12.

EXOTHERMIC WELDING IS REQUIRED FOR GROUNDING BELOW GRADE CONNECTIONS WHERE PRACTICAL.
13.

MECHANICAL, ABOVE GRADE CONNECTIONS MAY BE MADE USING COMPRESSION TYPE-2 HOLES. LONG BARREL LUGS OR DOUBLE CRIMP CLAMP "C" CLAMP. THE COPPER CABLES SHALL BE COATED WITH ANTIOXIDANT (COPPER SHIELD) BEFORE MAKING THE CONNECTIONS. THE MANUFACTURER'S TORQUE RECOMMENDATIONS ON THE BOLT ASSEMBLY TO SECURE CONNECTIONS SHALL BE FOLLOWED. ALL TWO HOLE LONG BARREL LUGS SHALL HAVE VIEW PORTS TO ENSURE PROPER INSTALLATION.
14.

PROVIDE PVC SLEEVES FOR GROUNDING CONDUCTORS AS NEEDED.
15.

GROUND ANTENNA BASES, FRAMES, CABLE RACKS AND OTHER METALLIC COMPONENTS WITH #2 GROUNDING CONDUCTORS AND CONNECT TO INSULATED SURFACE MOUNTED GROUND BARS. CONNECTION DETAILS SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS FOR GROUNDING.
16.

PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
17.

SURFACES TO BE CONNECTED TO GROUND CONDUCTORS SHALL BE CLEANED TO A BRIGHT SURFACE AT ALL CONNECTIONS.
18.

GROUND REQUIREMENTS:
5/8" SS, COPPER CLAD GROUNDING ROD-10' LENGTH
GROUND TESTED AT 5 OHMS OR LESS
#2 GROUND WIRE, SOLID, TINNED
HARDWOOD MOLDING, STAPLED TO POLE EVERY 2'-0" AND AT EACH END
GROUND RODS MUST BE 24" FROM POLE AND THE TOP OF ROD MUST BE BELOW GRADE LEVEL PER PLAN DETAILS.

LEGEND SYMBOLS:

	GROUNDING WIRE, DASHED LINE INDICATES UNDERGROUND		UTILITY METER
	AC POWER LINE, DASHED INDICATES UNDERGROUND		CIRCUIT BREAKER
	DC POWER LINE, DASHED INDICATES UNDERGROUND		FUSE
	TELEPHONE LINE, DASHED LINE INDICATES UNDERGROUND		DUPLEX RECEPTACLE WITH GFCI IN WEATHERPROOF ENCLOSURE
	COAXIAL CABLE, DASHED LINE INDICATES UNDERGROUND		CLAMP OR DOUBLE HOLE LUG TYPE GROUND CONNECTION
	FIBER CABLE, DASHED LINE INDICATES UNDERGROUND		EXOTHERMIC CONNECTION TO GROUND RING
	DETAIL REFERENCE DETAIL NO. 2 ON SHEET E3		DISCONNECT SWITCH
	GROUND ROD		
	GROUND ROD WITH ACCESS		

NOTES:

1.

ALL CONDUIT ROUTING IS SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT IMPEDED.
2.

CONDUIT SIZES INDICATED ON THE DRAWINGS ARE NOT NECESSARILY BASED ON THE MINIMUM SIZE ALLOWED BY THE CEC AND MAY BE PURPOSELY OVERSIZED FOR FUTURE CONDUCTORS OR TO AVOID CONDUCTOR HEATING. CONDUIT SIZES NOT CALLED OUT ON THE DRAWINGS SHALL BE SIZED BY THE CONTRACTOR, BASED ON THE ACTUAL NUMBER OF CONDUCTORS TO BE INSTALLED, USING THE CEC AS A GUIDE. IN NO CASE SHALL CONDUIT SIZES BE SMALLER THAN 1/2" DIAMETER.
3.

THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULLBOXES REQUIRED FOR THE INSTALLATION OF ELECTRICAL DEVICES AND EQUIPMENT, WHETHER OR NOT SPECIFICALLY INDICATED ON THE PLANS. SIZING OF THESE BOXES SHALL BE PER THE CEC.
4.

ALL ELECTRICAL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
5.

UTILITY ELECTRICAL SERVICE WILL BE 120/240 VOLTS OR 120/208 VOLTS, SINGLE PHASE, MIN. 30 AMPS CAPACITY. SEE PLANS FOR DETAILS.
6.

PROJECT CONDITIONS MAY REQUIRE REARRANGEMENT OF ELECTRICAL WORK. THE SUBCONTRACTOR SHALL INDICATE SUCH CHANGES ON THE AS-BUILT DRAWINGS. WHERE CHANGES REQUIRE ALTERNATE METHODS TO THOSE SPECIFIED IN THE PLANS, THE SUBCONTRACTOR SHALL REQUEST APPROVAL, AND SHALL NOT PROCEED UNTIL APPROVAL IS OBTAINED.
7.

CONTRACTOR SHALL PAINT ALL EXPOSED EXTERIOR CONDUITS AND JUNCTION BOXES TO MATCH EXISTING FINISH ON WHICH THEY ARE ATTACHED.
8.

FIBER TRUNKS AND/OR BACKHAUL LENGTHS AND ROUTES ARE NOT VERIFIED DURING THE SITE WALK. CONTRACTOR TO VERIFY ACTUAL ROUTE AND TRUNK LENGTH DURING PRE-CONSTRUCTION WALK.
9.

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.
10.

CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT, PULL WIRES, CABLE PULL BOXES, CONCRETE ENCASEMENT OF CONDUIT, TRANSFORMER PAD, BARRIERS, POLE RISER TRENCHING, BACK FILL, AND UTILITY FEES, AND INCLUDE REQUIREMENTS IN SCOPE.
11.

TEST ALL ELECTRICAL & GROUNDING SYSTEMS (CONTINUITY, MEGGER, ETC.) UPON COMPLETION OF INSTALLATION PRIOR TO FINALIZING WORK.
12.

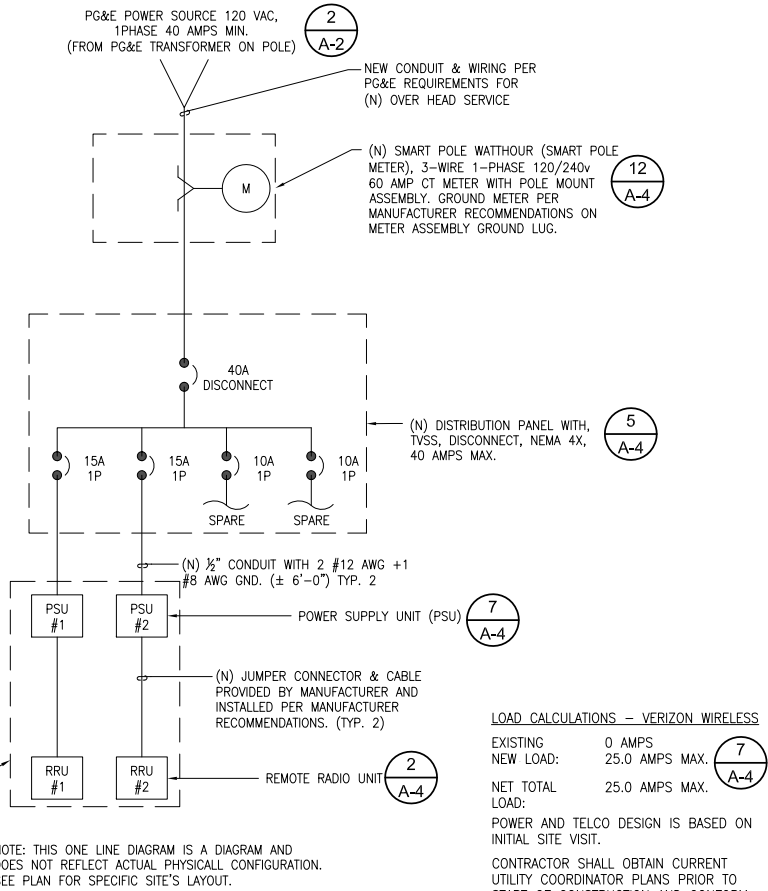
CONTRACTOR TO VERIFY ALL CONDUIT ROUTING FOR, (N) VZW METER AND (N) GROUND ROD LOCATION WITH LANDLORD AND UTILITY COORDINATOR IN FIELD.
13.

CONDUIT REQUIREMENTS (TYP., U.N.O.): UNDERGROUND: PVC (SCHED. 40 OR 80). INDOOR: EMT (RGS IN TRAFFIC AREAS). OUTDOOR: (ABOVE GRADE) RGS.
14.

PROVIDE A MIN. 36" WORK CLEARANCE IN FRONT OF PANELS/ ELECTRICAL EQUIPMENT.

BREAKER LEGEND			
CIRCUIT #	DESCRIPTION	ACB /	#POLES
1	PSU #1	15A 1P	10A 2P
2	PSU #2	15A 1P	10A 2P
3	SPARE	10A 1P	—
4	SPARE	10A 1P	—

(N) POLE-MOUNTED EQUIPMENT SHROUD



LOAD CALCULATIONS – VERIZON WIRELESS

EXISTING	0 AMPS
NEW LOAD:	25.0 AMPS MAX.
NET TOTAL LOAD:	25.0 AMPS MAX.
POWER AND TELCO DESIGN IS BASED ON INITIAL SITE VISIT.	
CONTRACTOR SHALL OBTAIN CURRENT UTILITY COORDINATOR PLANS PRIOR TO START OF CONSTRUCTION AND CONFORM TO THE CURRENT VERSION OF PG&E BULLETIN TD-027911B-002	
AVAILABLE: FAULT CURRENT PER UTILITY.	

SINGLE LINE DIAGRAM

24"x36" SCALE: NTS
11"x17" SCALE: NTS

1

NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

2

verizon
2785 MITCHELL DRIVE, BLDG. 9
WALNUT CREEK, CA 94598

SEQUOIA
DEPLOYMENT SERVICES, INC.
22471 ASPAN STREET, STE 290
LAKE FOREST, CA 92630

esite
concepts
10650 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
tel: (858) 433-7173 / (858) 433-7176

D	05/17/2019	SETBACK ADDED
C	03/08/2019	100% CD'S SET
B	01/29/2019	100% CD'S SET
A	01/16/2019	DESIGN DEVELOPMENT
REV	DATE	DESCRIPTION

ISSUED DATE:

MAY 17, 2019

ISSUED FOR:

100% CD SET

LICENSURE:



PROJECT INFORMATION:

SOUTH CARMEL 003
LOCATION CODE: 428218

IN FRONT OF 10TH AVE. 1 NW
DOLORES ST., CARMEL, CA 93923

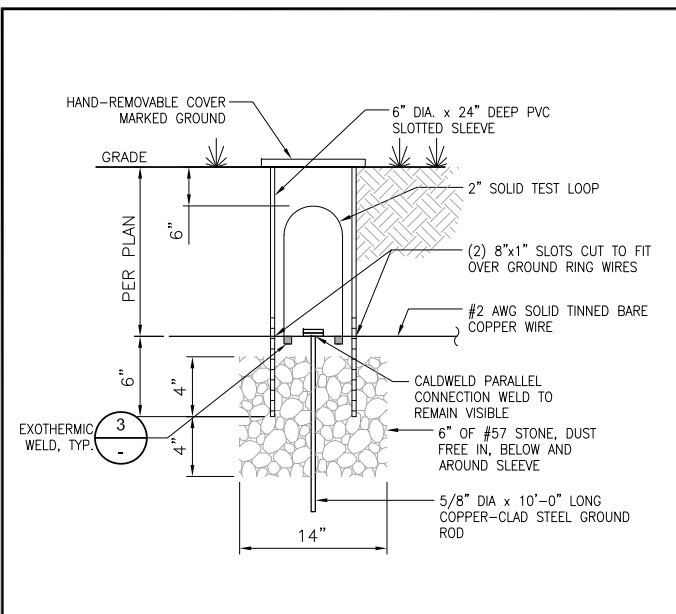
DRAWN BY:	MAM
CHECKED BY:	RGG

SHEET TITLE:

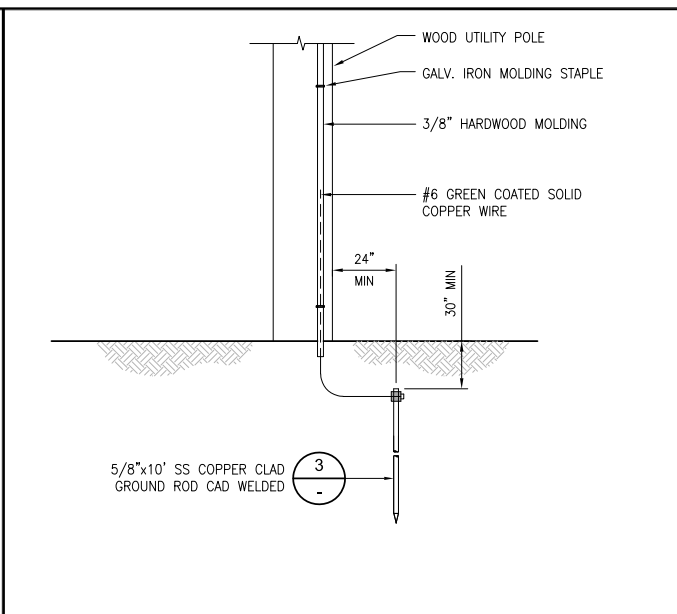
ELECTRICAL NOTES AND
SINGLE LINE DIAGRAM

SHEET NUMBER:

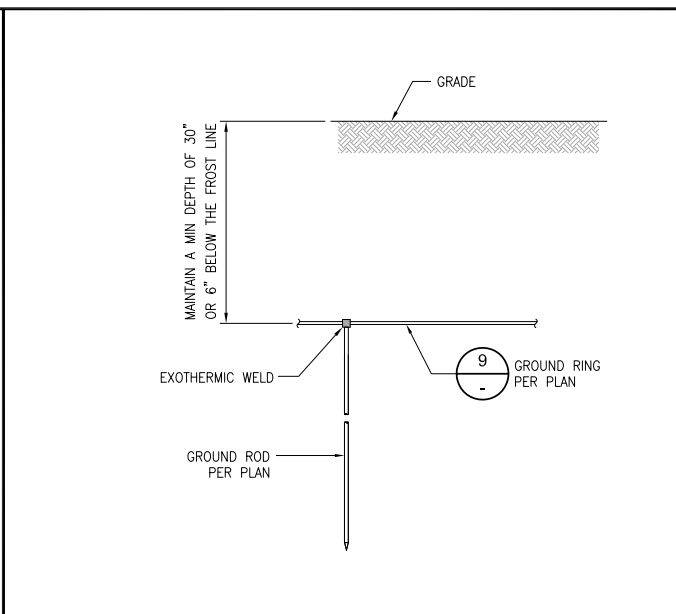
E-1



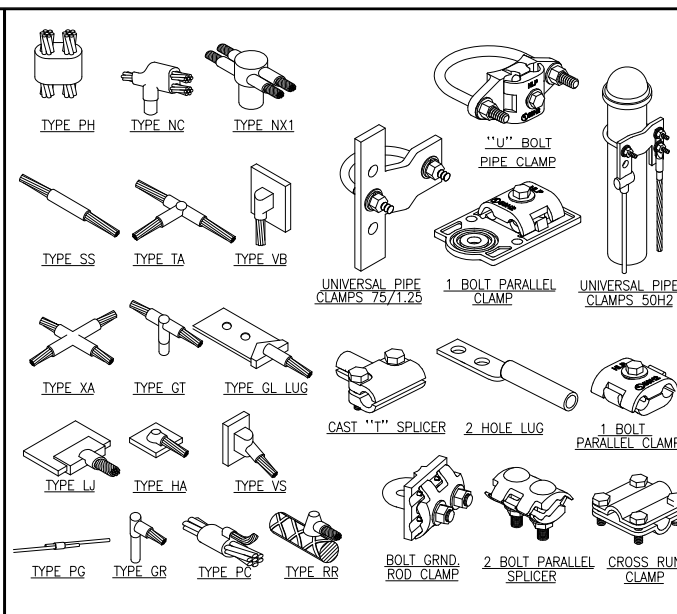
GROUND TEST WELL- TYPICAL	24"x36" SCALE: NTS 11"x17" SCALE: NTS	1
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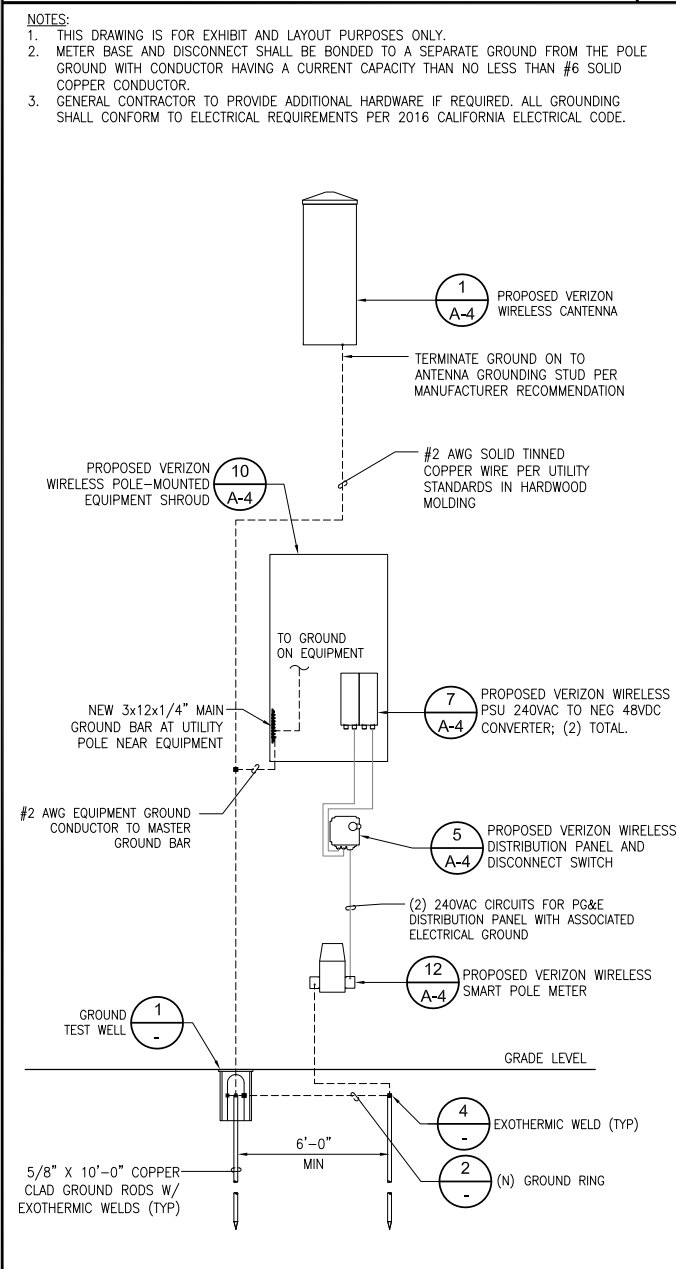
POLE GROUNDING	24"x36" SCALE: NTS 11"x17" SCALE: NTS	2
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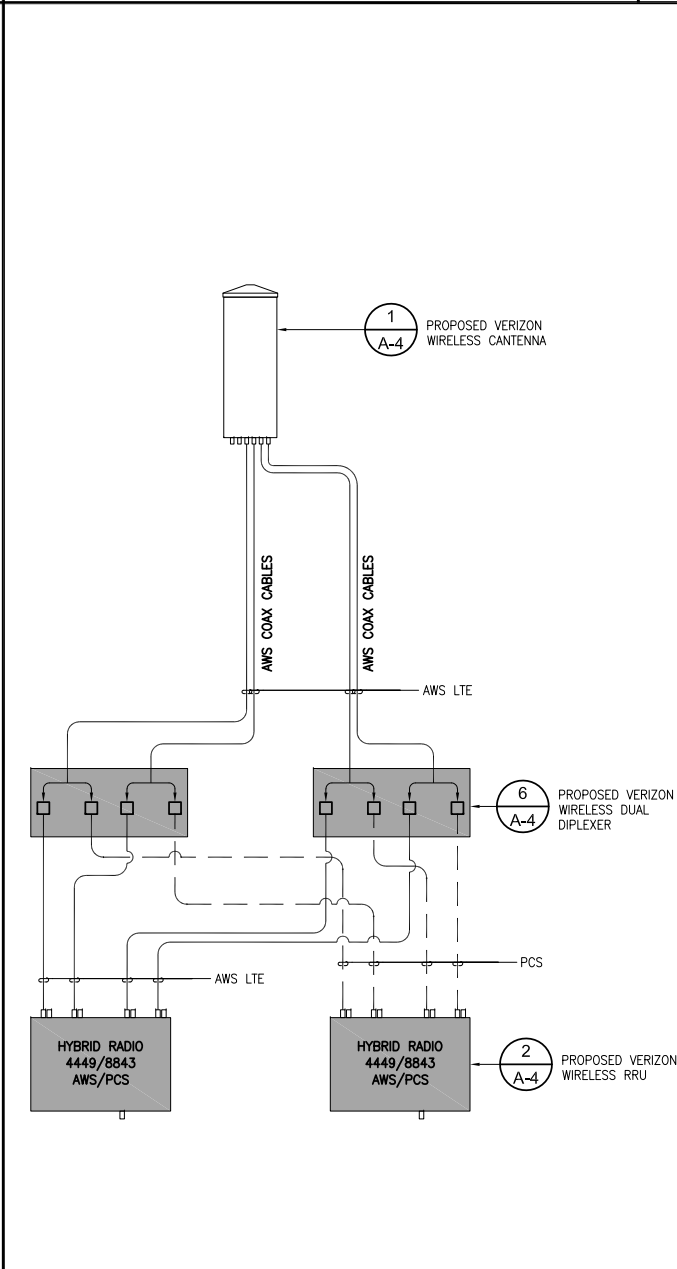
GROUND ROD/RING	24"x36" SCALE: NTS 11"x17" SCALE: NTS	3
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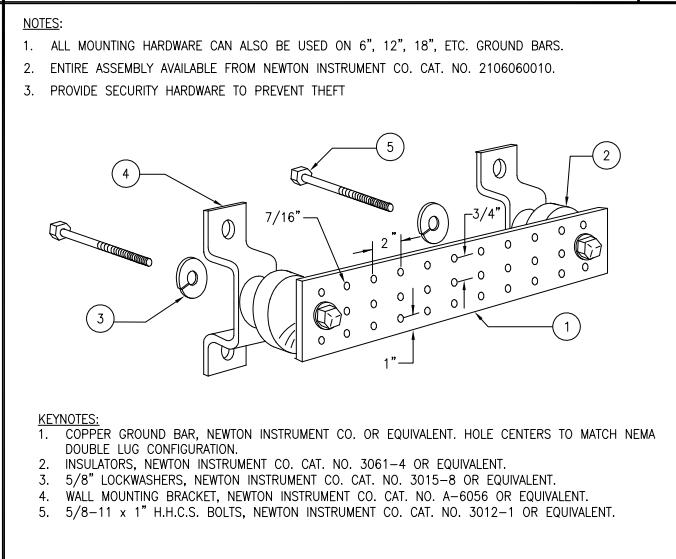
TYPICAL GROUNDING CONNECTIONS 24"x36" SCALE: NTS 11"x17" SCALE: NTS 4



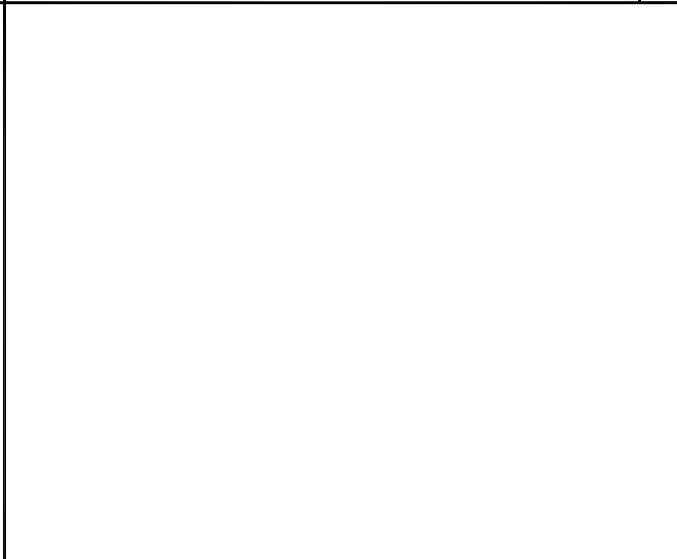
GROUNDING SCHEMATIC	24"x36" SCALE: NTS 11"x17" SCALE: NTS	9
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PLUMBING DIAGRAM	24"x36" SCALE: NTS 11"x17" SCALE: NTS	10
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GROUND BUSS BAR	24"x36" SCALE: NTS 11"x17" SCALE: NTS	7
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NOT USED	24"x36" SCALE: NTS 11"x17" SCALE: NTS	8
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NOT USED	24"x36" SCALE: NTS 11"x17" SCALE: NTS	11
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NOT USED	24"x36" SCALE: NTS 11"x17" SCALE: NTS	12
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2785 MITCHELL DRIVE, BLDG. 9
WALNUT CREEK, CA 94598



SEQUOIA
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22471 ASPAN STREET, STE 290
LAKE FOREST, CA 92630



10650 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
tel: (858) 433-7173 / (858) 433-7176

D	05/17/2019	SETBACK ADDED
C	03/08/2019	100% CD'S SET
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A	01/16/2019	DESIGN DEVELOPMENT
REV	DATE	DESCRIPTION

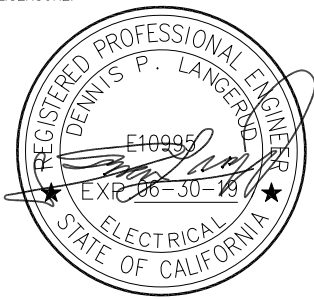
ISSUED DATE: _____

MAY 17, 2019

ISSUED FOR: _____

100% CD SET

LICENSURE: _____



PROJECT INFORMATION: _____

SOUTH CARMEL 003

LOCATION CODE: 428218

IN FRONT OF 10TH AVE. 1 NW
DOLORES ST., CARMEL, CA 93923

DRAWN BY: _____	MAM
CHECKED BY: _____	RGG

SHEET TITLE: _____

ELECTRICAL AND
GROUNDING DETAILS

SHEET NUMBER: _____

E-2



POLE OWNER:	PACIFIC GAS & ELECTRIC
ADDRESS:	245 MARKET ST., MAIL CODE N10D SAN FRANCISCO, CA 94105 CONTACT: DAVID ZENNER PH: (415) 847-0283
APPLICANT:	VERIZON WIRELESS
ADDRESS:	2785 MITCHELL DRIVE, BLDG. 9 WALNUT CREEK, CA 94598
LATITUDE (NAD 83):	36°32'53.65" N
LONGITUDE (NAD 83):	-121°55'24.50" W
GROUND ELEVATION:	±134.11' AMSL
ZONING JURISDICTION:	CITY OF CARMEL BY THE SEA
PROPOSED USE:	UNMANNED TELECOMMUNICATIONS FACILITY

APPLICANT:
VERIZON WIRELESS
2785 MITCHELL DRIVE, BLDG. 9
WALNUT CREEK, CA 94598
CONTACT: MICHELLE MARTINEA
PHONE: (925) 588-9840
EMAIL: michelle.martinea@verizonwireless.com

RF ENGINEER:
VERIZON WIRELESS
2785 MITCHELL DRIVE, BLDG. 9
WALNUT CREEK, CA 94598
CONTACT: DEWAYNE BONHAM
PHONE: (510) 414-8896
EMAIL: dewayne.bonham@verizonwireless.com

ARCHITECT/ENGINEERING:
CELLSITE CONCEPTS
10650 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
CONTACT: REGGIE GABRIEL
PHONE: (619) 200-7190
EMAIL: reggie.gabriel@cellsite.net

SITE ACQUISITION:
SEQUOIA DEPLOYMENT SERVICES, INC.
22471 ASPAN ST., SUITE #290
LAKE FOREST, CA 92630
CONTACT: CHELSEA MANUTO
PHONE: (760) 445-1985
EMAIL: chelsea.manuto@sequoia-ds.com

CONSTRUCTION:
SEQUOIA DEPLOYMENT SERVICES, INC.
22471 ASPAN ST., SUITE #290
LAKE FOREST, CA 92630
CONTACT: PETE SHUBIN
PHONE: (714) 478-3197
EMAIL: pete.shubin@sequoia-ds.com

ZONING:
SEQUOIA DEPLOYMENT SERVICES, INC.
22471 ASPAN ST., SUITE #290
LAKE FOREST, CA 92630
CONTACT: MICHAEL NAZAROFF
PHONE: (562) 237-6380
EMAIL: michael.nazaroff@sequoia-ds.com

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11"x17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM OF FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A ROAD OR ALLEY CLOSURE.

SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
T-2	NOTES AND SPECIFICATIONS
LS-1	TOPOGRAPHIC SURVEY
A-1	SITE PLAN
A-2	ENLARGED SITE PLAN AND EQUIPMENT / ANTENNA LAYOUTS
A-3	ARCHITECTURAL ELEVATIONS
A-4	ARCHITECTURAL ELEVATIONS
A-5	DETAILS
A-6	DETAILS
E-1	ELECTRICAL NOTES AND SINGLE LINE DIAGRAM
E-2	ELECTRICAL AND GROUNDING DETAILS

THE PROJECT CONSISTS OF INSTALLATIONS OF TELECOMMUNICATIONS EQUIPMENT FOR VERIZON WIRELESS TO COLLOCATE ON NEW PG&E POLE. THE INSTALLATIONS ENTAILS:

- REMOVE EXISTING 4" POLE IN RIGHT OF WAY
- INSTALL (1) PROPOSED 50'-0" WOOD POLE, CLASS TBD, IN RIGHT OF WAY
- INSTALL (1) PROPOSED VERIZON WIRELESS 4'-0" HIGH ANTENNA ON POLE
- INSTALL (1) PROPOSED VERIZON WIRELESS CANTENNA MOUNTING BRACKET
- INSTALL (1) PROPOSED VERIZON WIRELESS EQUIPMENT STANDOFF
- INSTALL (1) PROPOSED VERIZON WIRELESS EQUIPMENT SHROUD WITH REMOTE RADIO UNITS (RRU), DIPLEXER(S), PSU(S) AND FIBER DEMARC.
- INSTALL (1) PROPOSED VERIZON WIRELESS SMART POLE METER
- INSTALL (1) PROPOSED VERIZON WIRELESS DISTRIBUTION PANEL AND DISCONNECT SWITCH
- INSTALL ASSOCIATED CABLING AND GROUNDING

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

- CALIFORNIA ADMINISTRATIVE CODE (INCL. TITLE 24 & 25)
- 2016 CALIFORNIA BUILDING CODE
- LOCAL BUILDING CODE
- CITY/COUNTY ORDINANCES
- ANSI/EIA-222-G LIFE SAFETY CODE NFPA-101
- 2016 CALIFORNIA ELECTRICAL CODE
- CA PUBLIC UTILITIES COMMISSION ORDER (GO 95 AND GO 128)

3. LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES OR STRUCTURES NOT SHOWN OR NOT IN THE LOCATION SHOWN ON THE DRAWINGS.
2. THE CONTRACTORS SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
3. APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS BEEN ISSUED.
4. UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE ENGINEERING DEPARTMENT.
5. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT FROM DAMAGING EXISTING IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE. CONTRACTOR SHALL, AT HIS OWN EXPENSE, REPAIR, REPLACE OR RECONSTRUCT ALL SUCH IMPROVEMENTS OR OTHER STRUCTURES DAMAGED BY HIS WORK, TO THE ENGINEER'S SATISFACTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FILE LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR. A CORNER RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FIELD AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE JURISDICTION'S FIELD SURVEY DIVISION MUST BE NOTIFIED, IN WRITING, AT LEAST 3 DAYS FROM OCCURRENCE. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1 FOOT MINIMUM VERTICAL CLEARANCE.
8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
9. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPPING DAMAGED DURING CONSTRUCTION.
10. CONTRACTOR SHALL NOTIFY THE JURISDICTION A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10 FEET OF ALL SEWER, WATER, AND STORM DRAIN MAIN INCLUDING ALL CROSSINGS.
11. "PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN PUBLIC RIGHT-OF-WAY, SATISFACTORY TO THE PERMIT-ISSUING AUTHORITY.
12. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE CITY FIELD ENGINEERING DIVISION PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARK-OUTS AND SURVEYING.
13. MANHOLES OR COVERS SHALL BE LABELLED "NAME OF COMPANY".
14. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROGRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES. THE PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD.
15. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.
16. THE CONTRACTOR SHALL VERIFY LOCATION ALL EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS & WATER SERVICES TO INDIVIDUAL LOTS OF BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENTS OPERATIONS.
17. LOCATION AND ELEVATIONS OF IMPROVEMENTS, TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK.
18. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
19. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
20. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY ORDERS.
21. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS EQUIPMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
22. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
23. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT.
24. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
25. ANY DRAIN AND/OR FIELD TIE ENCOUNTERED/DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT OR ENGINEER AT COMPLETION OF PROJECT.
26. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH THE CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS NEW. THE TELECOMMUNICATIONS EQUIPMENT SPACE SHOWN ON THESE PLANS IS NOT CUSTOMARILY OCCUPIED. WORK TO BE PERFORMED IN THIS FACILITY CANNOT REASONABLY BE PERFORMED BY PERSONS WITH A SEVERE IMPAIRMENT: MOBILITY, SIGHT, AND/OR HEARING. THEREFORE, PER 2016 CALIFORNIA BUILDING CODE SECTION 11008.3.4, AND/OR 110103.3 OF 2016 CALIFORNIA BUILDING CODE, EXCEPTION 1, THIS FACILITY SHALL BE EXEMPTED FROM ALL TITLE 24 ACCESS REQUIREMENTS.

SUBCONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD 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.



C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S
A	02/01/2019	90% CD'S SET
REV	DATE	DESCRIPTION

ISSUED DATE:

MAY 17, 2019

ISSUED - FOR:

100% CD SET

LICENSURE:



PROJECT INFORMATION:

SOUTH CARMEL 004

LOCATION CODE: 428219

IFO LINCOLN ST. 3NE 12TH AVE.,
CARMEL, CA 93923

DRAWN BY:

SAC

CHECKED BY:

RGO

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1

ABBREVIATIONS			
AB AC A/C ADJ. A.F.F. ARCH APPROX A.G.L. A.M.S.L.	ANCHOR BOLT ASPHALTIC CONCRETE AIR CONDITIONING ADJUSTABLE ABOVE FINISH FLOOR ARCHITECTURAL APPROXIMATELY ABOVE GRADE LEVEL ABOVE MEAN SEA LEVEL	JT LAM LBS LT LA LNA	JOINT LAMINATED POUNDS LIGHT LIGHTNING ARRESTOR LOW NOISE AMPLIFIER
BD BLDG BLKG BOT BSMT BTS	BOARD BUILDING BLOCKING BOTTOM BASEMENT BASE TRANSCIVER STATION	MFR MAT MAX MECH MIN MISC ML MO MS MTD MTL	MANUFACTURER MATERIAL MAXIMUM MECHANICAL MINIMUM MISCELLANEOUS METAL LATH MASONRY OPENING MACHINE SCREW MOUNTED METAL
C CEM CL CLG CLR COL CONC CONST CONT CORR CO	COURSE(S) CEMENT CHAIN LINK CEILING CLEAR COLUMN CONCRETE CONSTRUCTION CONTINUOUS CORRIDOR CONDUIT ONLY	(N) NIC NO NTS OA O.C. OPNG OPP	NEW NOT IN CONTRACT NUMBER NOT TO SCALE OVERALL ON CENTER OPENING OPPOSITE
DIA DBL DEPT DEMO DIM DN DR DTL DWG	DIAMETER DOUBLE DEPTH DEMOLITION DIMENSION DOWN DOOR DETAIL DRAWING	PARTN PL PLAS PLYWD PDC PROP PT	PARTITION PLATE PLASTER PLYWOOD POINT OF CONNECTION PROPERTY PRESSURE TREATED
(E) EA ELEC ELEV EQUIP EXP EXT	EXISTING EACH ELECTRIC ELEVATION EQUIPMENT EXPANSION EXTERIOR	R REQD RD RM RMS RO SC SCHED SECT SHT SIM SPECS SS STL STOR STRUCT SUSP SW SWBO	RISER REQUIRED ROOF DRAIN ROOM ROOMS ROUGH OPENING SOLID CORE SCHEDULE SECTION SHEET SIMILAR SPECIFICATIONS STAINLESS STEEL STEEL STORAGE STRUCTURAL SUSPENDED SWITCH SWITCHBOARD
FA FB FF FH FIN FLR FOS FS FT FTG FW F.G. FUT	FIRE ALARM FLAT BAR FINISH FLOOR FLAT HEAD FINISH(ED) FLOOR FACE OF STUDS FINISH SURFACE FOOT, FEET FOOTING FINISH WALL FINISH GRADE FUTURE	THK TI TMA TOS TS TYP	THICK TENANT IMPROVEMENT TOWER MOUNTED AMPLIFIER TOP OF SURFACE TUBE STEEL TYPICAL
GA GALV GL GR GYP GFCI GND	GAUGE GALVANIZED GLASS GRADE GYPSUM GROUND FAULT CIRCUIT INTERRUPT GROUND	UNO VCT VERT V.I.F. VG	UNLESS NOTED OTHERWISE VINYL COMPOSITION TILE VERTICAL VERIFY IN FIELD VERTICAL GRAIN
HC HDW HTR HM HORIZ HR HSS	HOLLOW CORE HARDWARE HEATER HOLLOW METAL HORIZONTAL HOUR HOLLOW STRUCTURAL	W/ WD WR WT XFMR	WITH WOOD WATER RESISTANT WEIGHT TRANSFORMER
HT HV ID INS INT	SECTION HEIGHT HIGH VOLTAGE INSIDE DIMENSION INSULATION INTERIOR	@ [C / R	AT CHANNEL CENTERLINE ANGLE PROPERTY LINE

SYMBOLS:

X

X-X

SECTION NUMBER

SHEET NUMBER

BUILDING SECTION REFERENCE

X

X-X

DETAIL NUMBER

SHEET NUMBER

DETAIL REFERENCE

X

X-X

SECTION NUMBER

SHEET NUMBER

DETAIL SECTION REFERENCE

X

X-X

DETAIL NUMBER

SHEET NUMBER

EXTERIOR ELEVATION REFERENCE

PROPERTY LINE

X

X

X

FENCING

E

E

E

ELECTRICAL SERVICE

F

F

F

FIBER SERVICE

-E/F-

-E/F-

-E/F-

ELECTRICAL/FIBER SERVICE

1. PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

2. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT/ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.

3. CONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER, T1 OR FIBER CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. CONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. CONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR. ROUTING OF TRENCHING SHALL BE APPROVED BY CONTRACTOR

4. ALL MATERIALS AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE BUILDING CODE AND ALL OTHER GOVERNING CODES. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.

5. THE CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES AS THEY MAY BE DISCOVERED IN THE PLANS, SPECIFICATIONS, & NOTES PRIOR TO STARTING CONSTRUCTION, INCLUDING BUT NOT LIMITED BY DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERROR, OMISSION, OR INCONSISTENCY AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER AND SHALL INCUR ANY EXPENSES TO RECTIFY THE SITUATION. THE METHOD OF CORRECTION SHALL BE APPROVED BY THE ARCHITECT/ENGINEER.

6. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR OR SUBCONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGE TO THE UTILITIES CAUSED DURING THE EXECUTION OF THE WORK, WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, UTILITIES SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW.

7. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND SHALL BE CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER.

8. A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORMATION AS THE APPROVED PLANS. THE CONTRACTOR SHALL ALSO MAINTAIN ONE SET OF PLANS AT THE SITE FOR THE PURPOSE OF DOCUMENTING ALL AS-BUILT CHANGES, REVISIONS, ADDENDUMS, OR CHANGE ORDERS. THE CONTRACTOR SHALL FORWARD THE AS-BUILT/HIRED DRAWINGS TO THE ARCHITECT/ENGINEER AT THE CONCLUSION OF THE PROJECT.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE THE WORK IS IN PROGRESS UNTIL THE JOB IS COMPLETE.

10. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER, AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER OR GOVERNING AGENCY.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON, NOR PROVIDE DIRECTION, AS TO SAFETY PRECAUTIONS AND PROGRAMS.

12. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, SEQUENCING, AND COORDINATING ALL PORTIONS OF THE WORK UNDER THE PROJECT. FURTHERMORE, THE STRUCTURE IS DESIGNED AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

13. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS WITH RESPECT TO THE WORK TO COMPLETE THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE FILED BY THE OWNER OR HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN THE PERMIT AND MAKE FINAL PAYMENT OF SAID DOCUMENT(S).

14. ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE UNLESS OTHERWISE NOTED.

15. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY FRAMING, BACKING, HANGERS, BLOCKING OR SUPPORTS FOR INSTALLATION OF ITEMS INDICATED ON THE DRAWINGS.

16. NEW CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR EXCEPT AS NOTED IN THE PLANS.

17. WHERE SPECIFIED, MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR RECORDING THE RESULTS.

18. ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.

19. ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY STANDARDS. IF A CONTRACTOR HAS A QUESTION REGARDING THEIR EXACT MEANING, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED FOR CLARIFICATIONS.

20. CONTRACTORS SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.

21. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTION OF THE WORK TO THE EXISTING WORK.

22. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING (SHEET LS1), SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY, THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT/ENGINEER.

23. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT/ENGINEER. UNAUTHORIZED CHANGES RENDER THESE DRAWINGS VOID. THIS INCLUDES THAT THE CONTRACTOR SHALL NOT BE RELIEVED OF ANY DEVIATION FROM THE PLANS BY THE PROFESSIONAL'S OF RECORD REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC. UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION IN WRITING AT THE TIME OF SUBMISSION, AND THE PROFESSIONAL OF RECORD HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.

24. ANY REFERENCE TO THE WORDS "APPROVED" OR "APPROVAL" IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE CONTRACTOR AND/OR HIS SUB-CONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFIED.

25. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.

EQUIPMENT LOCATION

1. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE DESIRED LOCATIONS OR ARRANGEMENTS OF CONDUIT RUNS, OUTLETS, EQUIPMENT, ETC., AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE. PROPER JUDGEMENT MUST BE EXERCISED IN EXECUTING THE WORK SO AS TO SECURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE LIMITATIONS OR INTERFERENCE OF STRUCTURE CONDITIONS ENCOUNTERED.


2. IN THE EVENT CHANGES IN THE INDICATED LOCATIONS OR ARRANGEMENTS ARE NECESSARY, DUE TO FIELD CONDITIONS IN THE BUILDING CONSTRUCTION OR REARRANGEMENT OF FURNISHINGS OR EQUIPMENT, SUCH CHANGES SHALL BE MADE WITHOUT COST, PROVIDING THE CHANGE IS ORDERED BEFORE THE CONDUIT RUNS, ETC., AND WORK DIRECTLY CONNECTED TO THE SAME IS INSTALLED AND NO EXTRA MATERIALS ARE REQUIRED.

3. COORDINATE THE WORK OF THIS SECTION WITH THAT OF ALL OTHER TRADES, WHERE CONFLICTS OCCUR, CONSULT WITH THE RESPECTIVE CONTRACTOR AND COME TO AGREEMENT AS TO CHANGES NECESSARY, OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER FOR THE PROPOSED CHANGES BEFORE PROCEEDING.


UTILITY SERVICE

1. TELEPHONE AND ELECTRICAL METERING FACILITIES SHALL CONFORM TO THE REQUIREMENTS OF THE SERVING UTILITY COMPANIES. CONTRACTOR SHALL VERIFY SERVICE LOCATIONS AND REQUIREMENTS. SERVICE INFORMATION WILL BE FURNISHED BY THE SERVING UTILITIES.


2. CONFORM TO ALL REQUIREMENTS OF THE SERVING UTILITY COMPANIES



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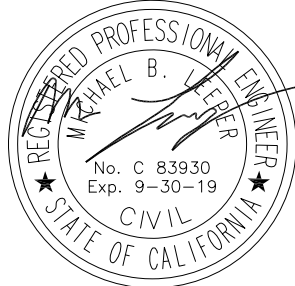
10650 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
tel: (858) 433-7173 / (858) 433-7176

C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S
A	02/01/2019	90% CD'S SET
REV	DATE	DESCRIPTION

ISSUED DATE: MAY 17, 2019

ISSUED FOR: 100% CD SET

LICENSURE:



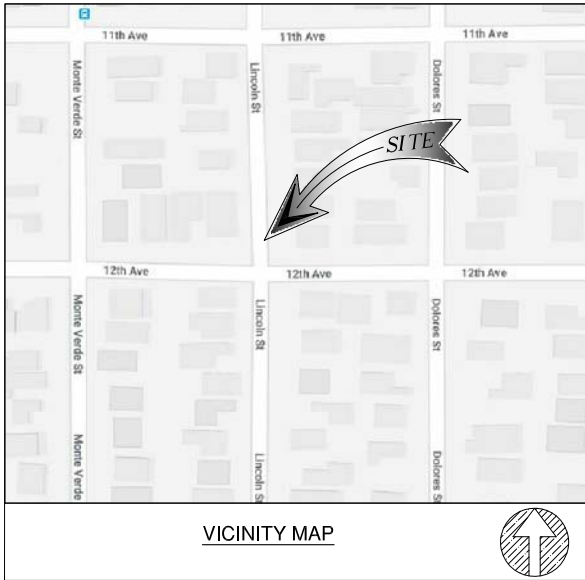
PROJECT INFORMATION: SOUTH CARMEL 004
LOCATION CODE: 428219
IFO LINCOLN ST. 3NE 12TH AVE.,
CARMEL, CA 93923

DRAWN BY: SAC

CHECKED BY: RGG

SHEET TITLE: NOTES AND SPECIFICATIONS

SHEET NUMBER: T-2



- NOTES:
1. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP. THE PROPERTY LINES AND EASEMENTS SHOWN HEREON ARE FROM RECORD INFORMATION AS NOTED HEREON. CELLSITE CONCEPTS TRANSLATED THE TOPOGRAPHIC SURVEY TO RECORD INFORMATION USING FOUND MONUMENTS SHOWN HEREON. THE LOCATION OF PROPERTY LINES SHOWN HEREON ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY. THEY ARE NOT TO BE RELIED UPON AS THE ACTUAL BOUNDARY LINES.
 2. ANY CHANGES MADE TO THE INFORMATION ON THIS PLAN, WITHOUT THE WRITTEN CONSENT OF CELLSITE CONCEPTS, RELIEVES CELLSITE CONCEPTS OF ANY AND ALL LIABILITY.
 3. THE HEIGHTS AND ELEVATIONS FOR THE TREES, BUSHES AND OTHER LIVING PLANTS SHOWN HEREON, SHOULD BE CONSIDERED APPROXIMATE (+/-) AND ONLY FOR THE DATE OF THIS SURVEY. THEY ARE PROVIDED AS A GENERAL REFERENCE AND SHOULD NOT BE USED FOR DESIGN PURPOSES.
 4. RIGHT-OF-WAY WAS ESTABLISHED BY LOCATING FOUND CENTERLINE CITY OR COUNTY MONUMENTS. IF CENTERLINE MONUMENTS WERE NOT LOCATABLE, THE CENTERLINE OFFSET TIES WERE USED TO ESTABLISH THE INTERSECTIONS. IF NEITHER CENTERLINE TIES OR CENTERLINE INTERSECTION MONUMENTS WERE LOCATABLE, EXISTING IMPROVEMENTS WERE USED TO ESTABLISH RIGHT-OF-WAY.
 5. ALL SHOWN RIGHT-OF-WAY WERE BASED UPON RESEARCH AT COUNTY OR CITY FILES AND REFLECT THE LATEST RECORDED MAPS, RECORDS OF SURVEY, PARCEL MAPS OR OTHER RECORDS. RIGHT-OF-WAY WILL NOT REFLECT ANY DEDICATION, TAKEN OR OFFERED AFTER THE THE RECORD MAP USED. ALL SURVEYS WERE COMPLETED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND MAY NOT SHOW ADDITIONAL DEDICATIONS NOT SHOWN ON THE RECORD MAPS USED.
 6. WRITTEN DIMENSIONS SHALL TAKE PREFERENCE OVER SCALED & SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE SURVEYOR PRIOR TO COMMENCEMENT OF ANY WORK.
 7. FIELD SURVEY COMPLETED ON DECEMBER 16, 2018

BASIS OF BEARING

THE CENTERLINE OF LINCOLN STREET BEARING $N00^{\circ}00'00"E$ WAS USED AS BASIS OF BEARING FOR THIS SURVEY.

BASIS OF ELEVATIONS: (NAVD 1988)

ELEVATIONS ARE BASED ON CALVRS G.P.S. BROADCAST COORDINATE VALUES FOR 2017, NAVD 88

FLOOD ZONE

SITE IS LOCATED IN FLOOD ZONE "X" AS PER F.I.R.M. MAP NO. 06053C0316H EFFECTIVE DATE 06/21/2017

LEGEND

- CENTER LINE
- - - PROPERTY LINE
- x - CHAIN-LINK FENCE
- // - WOOD FENCE
- □ - WROUGHT IRON FENCE
- - - EASEMENT LINE
- ■ - RETAINING WALL

- TC TOP OF CURB
- FL FLOW LINE
- FS FINISH SURFACE
- EG EXISTING GRADE
- HT HEIGHT
- EP EDGE OF PAVEMENT
- BW BACK OF WALL
- EXISTING STREET LIGHT
- EXISTING TRAFFIC SIGNAL
- EXISTING SIGN
- GUY WIRE
- CATCH BASIN
- POWER POLE
- FIRE HYDRANT

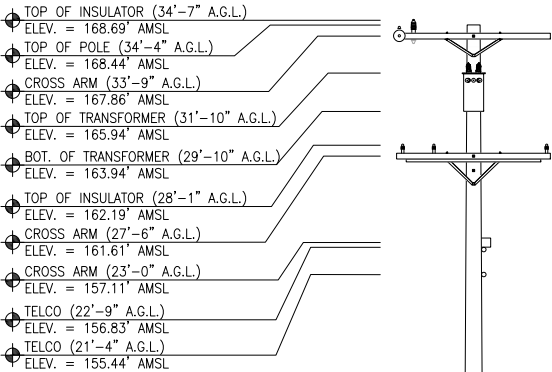
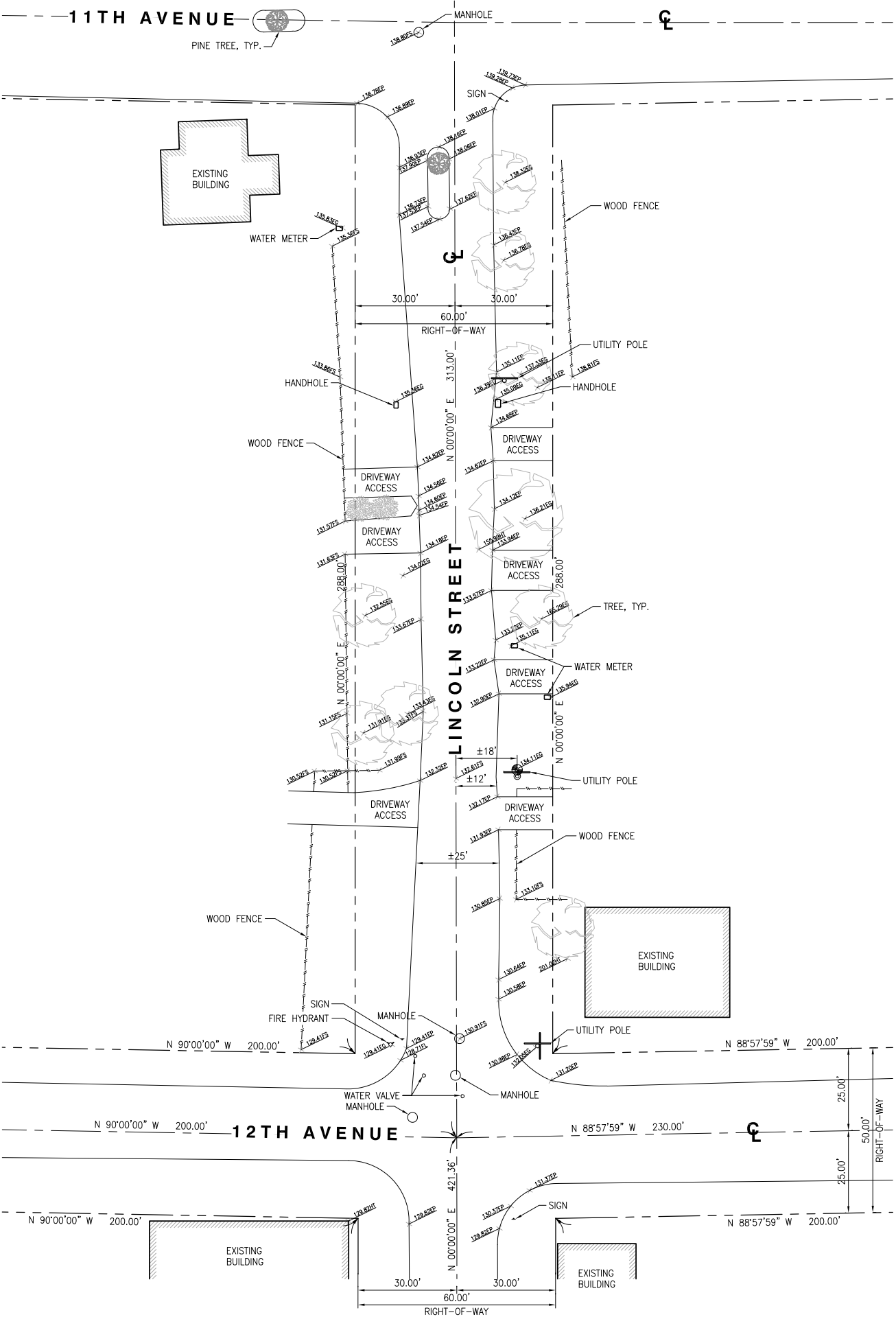
- PINE TREE
- PALM TREE
- TREE
- BUSH
- EXISTING CONCRETE
- EXISTING GRASS/TURF

MONUMENTS

- MONUMENT FD.

COORDINATES

LATITUDE: $36^{\circ}32'53.65"N$ (36.548236)
LONGITUDE: $121^{\circ}55'24.50"W$ (-121.923472)



UTILITY POLE PROFILE

PROPERTY LINES ARE BASED FROM
MAP NO. 27474 DATED JANUARY 8, 2005
R.O.S. NO. 21-44 DATED SEPTEMBER 22, 1997
R.O.S. NO. 15-11 DATED JUNE 10, 1987

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REV	DATE	DESCRIPTION
1	12/19/2018	FINAL SURVEY

ISSUED DATE: **DECEMBER 19, 2018**

ISSUED FOR: **FINAL SURVEY**



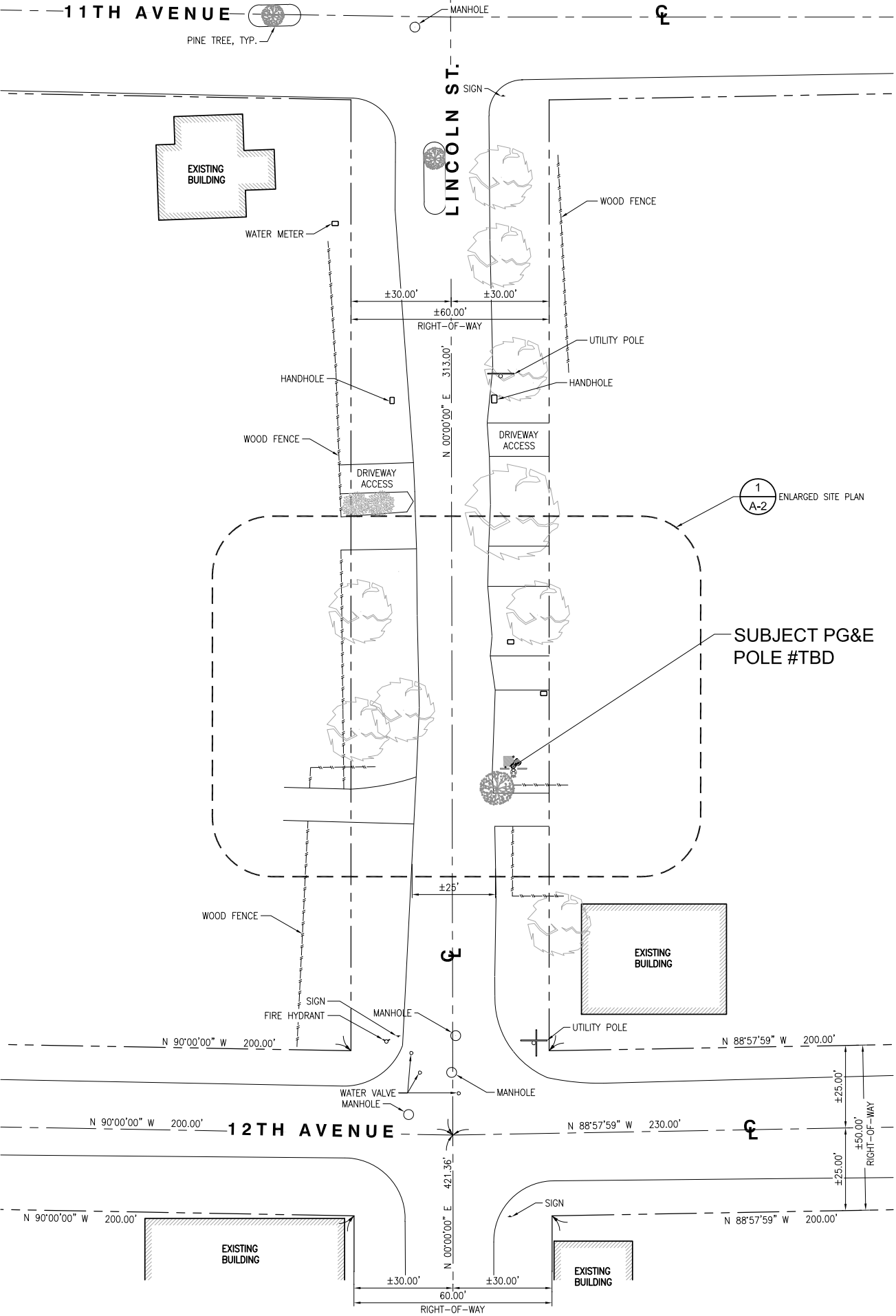
PROJECT INFORMATION: **SOUTH CARMEL 004**
IFO LINCOLN ST. 3NE 12TH AVE., CARMEL, CA 93923

DRAWN BY: **SMS**
CHECKED BY: **MP**

SHEET TITLE: **TOPOGRAPHIC SURVEY**

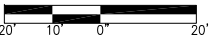
SHEET NUMBER: **LS-1**

- SITE NOTES:
1. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT/ ENGINEER.
 2. CONTRACTOR TO VERIFY LOCAL UTILITY REQUIREMENTS FOR DEPTH, SIZES, AND SEPARATION OF CONDUITS PRIOR TO INSTALLATION. NOTIFY CONSTRUCTION MANAGER IMMEDIATELY OF ANY DISCREPANCIES.
 3. PROPOSED UTILITY SERVICES SHOWN NEED TO BE VERIFIED AND APPROVED BY UTILITY COMPANIES BEFORE START OF CONSTRUCTION. CONTRACTOR TO VERIFY WITH CLIENT PROJECT MANAGER TO OBTAIN FINAL APPROVAL.
 4. VERIFY, LOCATE, AND PROTECT ALL EXISTING SUBSTRUCTURES AS REQUIRED. CALL DIG ALERT @ (800) 227-2600 48 HOURS BEFORE ANY EXCAVATION. CONTRACTOR IS RESPONSIBLE TO HAVE ALL NON-PUBLIC UTILITIES LOCATED AT THEIR OWN EXPENSE.
 5. CONTRACTOR SHALL IMMEDIATELY INFORM CLIENT OF ANY ACCIDENTAL DAMAGE TO EXISTING UTILITIES VIA PHONE OR EMAIL REGARDLESS OF ABILITY TO REPAIR OR MITIGATE. A FOLLOW-UP EMAIL REPORT WITH DIGITAL PHOTOS WILL BE REQUIRED DAILY UNTIL RESOLUTION HAS BEEN ACCEPTED BY CLIENT, AFFECTED SERVICE PROVIDERS, AND RECIPIENTS. AT THEIR OWN EXPENSE, CONTRACTOR WILL EXERCISE ALL EFFORTS TO HAVE REPAIRS MADE BY QUALIFIED TECHNICIANS AS APPROVED BY SERVICE PROVIDER.
 6. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE REFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER, FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
 7. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
 8. ANY DRAIN AND /OR FIELD TILE ENCOUNTERED/DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK, SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT OR ENGINEER AT COMPLETION OF PROJECT.
 9. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH THE CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
 10. NEW CONDUITS SHALL BE INSTALLED IN TRENCH SUCH THAT THE TOP OF CONDUIT SHALL HAVE A MINIMUM COVER OF 30-INCHES BELOW ADJACENT EDGE OF PAVEMENT OR ORIGINAL GROUND, WHICHEVER IS LOWER IN ELEVATION.
 11. ALL PULL BOXES SHALL BE PRECAST REINFORCED CONCRETE AND HAVE NON CONDUCTIVE LIDS. EXISTING PULL BOX COVERS THAT ARE MARKED INCORRECTLY SHALL BE REPLACED.
 12. REGRADE LANDSCAPING AS NEEDED AND REPLACE DAMAGED IRRIGATION LINES WITHIN 24 HOURS.



SITE PLAN

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"



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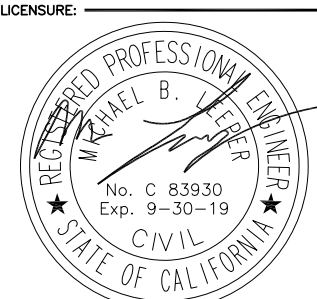
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C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S
A	02/01/2019	90% CD'S SET
REV	DATE	DESCRIPTION

ISSUED DATE:
MAY 17, 2019

ISSUED FOR:
100% CD SET



PROJECT INFORMATION:
SOUTH CARMEL 004
LOCATION CODE: 428219
IFO LINCOLN ST. 3NE 12TH AVE.,
CARMEL, CA 93923

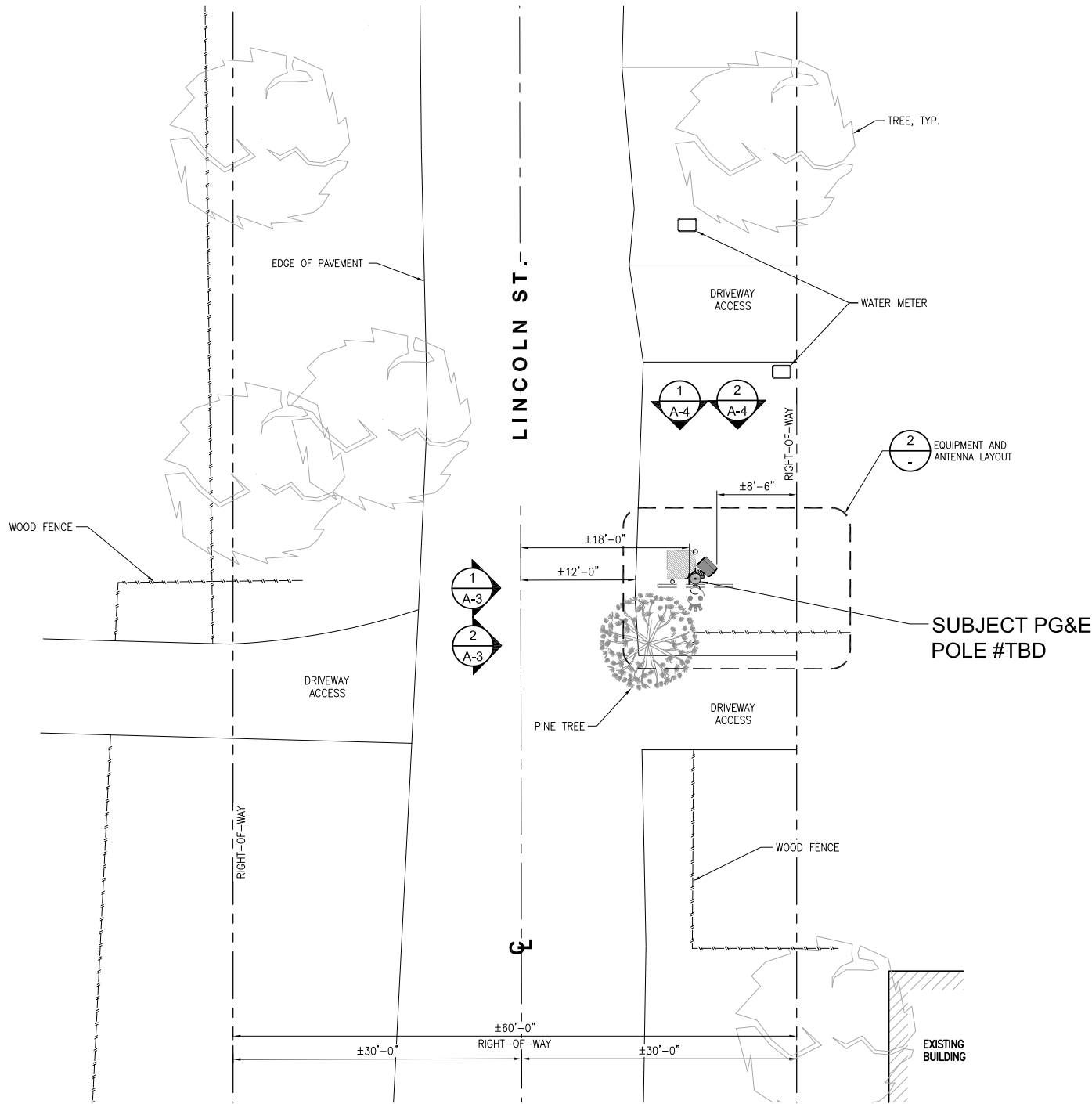
DRAWN BY: SAC
CHECKED BY: RGG

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
A-1

UNDERGROUND UTILITIES NOTE:

ALL EXISTING SUB-SURFACE UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM FIELD SURVEY AND/OR AVAILABLE RECORDS. THE ARCHITECT/ ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR THE DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES. THERE MAY BE EXISTING UTILITIES OTHER THAN THOSE SHOWN ON THIS PLAN. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINE SHOWN AND ANY OTHER LINES NOT SHOWN ON THIS PLAN.



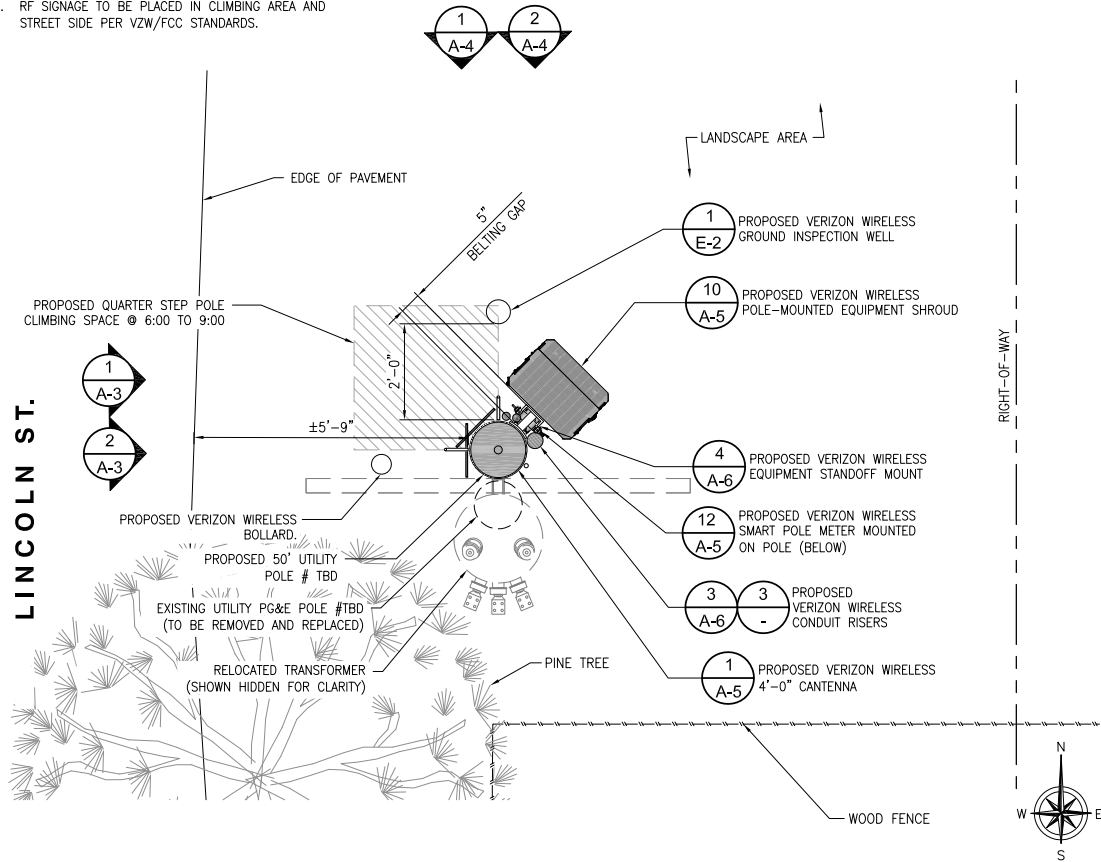
ENLARGED SITE PLAN

24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"



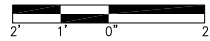
NOTES:

1. THE NEW LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING AND STRUCTURAL ANALYSIS.
2. NEW ANTENNAS, EQUIPMENT, CONDUITS, RISERS & ALL HARDWARE SHALL BE PAINTED DARK BROWN OR EQUIVALENT TO MATCH POLE FOR CONCEALMENT.
3. RF SIGNAGE TO BE PLACED IN CLIMBING AREA AND STREET SIDE PER VZW/FCC STANDARDS.



EQUIPMENT AND ANTENNA LAYOUT

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"



EXISTING POLE INFORMATION

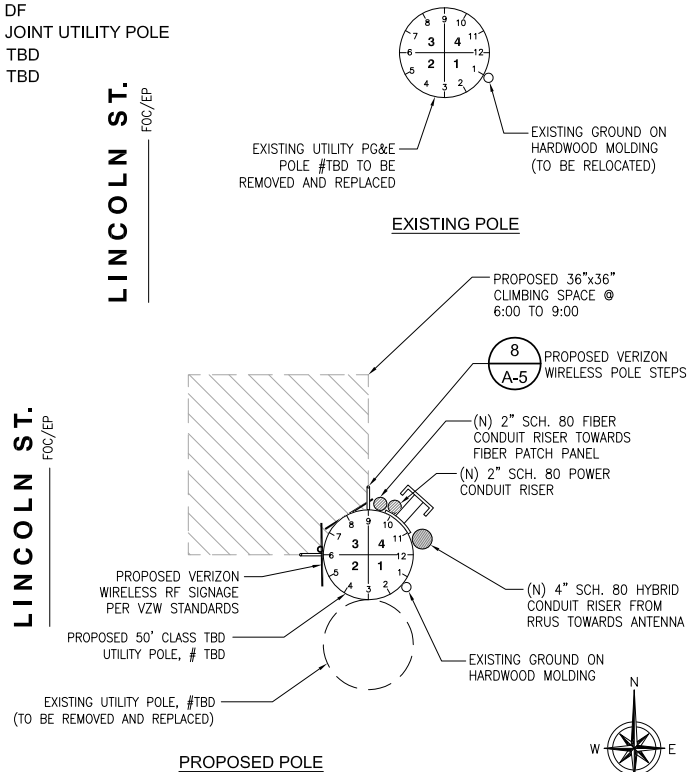
POLE HEIGHT: 40 FT
MATERIAL: DF
POLE CLASS: 5
YEAR SET: 1966

PROPOSED POLE INFORMATION

POLE HEIGHT: 50 FT
MATERIAL: DF
POLE TYPE: JOINT UTILITY POLE
POLE CLASS: TBD
YEAR SET: TBD

MAKE-READY SCOPE:

1. VERIZON TO INSTALL (1) SMART POLE METER ON POLE AT 10:30 POSITION
2. VERIZON TO INSTALL (1) DISCONNECT SWITCH AND DISTRIBUTION PANEL ON STANDOFF MOUNT AT 10:30 POSITION.
3. VERIZON TO INSTALL (1) EQUIPMENT SHROUD ON STANDOFF MOUNT AT 10:30 POSITION.
4. VERIZON TO INSTALL (1) POLE TOP ANTENNA MOUNTING BRACKET.
5. VERIZON TO INSTALL (1) 4FT ANTENNA ON TOP OF POLE.
6. VERIZON TO INSTALL 2" SCHEDULE 80 PVC POWER RISER AT 10:00 POSITION FROM SERVICE DROP TO METER.
7. VERIZON TO INSTALL 4" SCHEDULE 80 PVC HYBRID RISER AT 11:30 POSITION FROM SHROUD TO ANTENNA.
8. INSTALL 2" SCHEDULE 80 PVC FIBER RISER AT 9:30 POSITION FROM SERVICE DROP TO EQUIPMENT CABINET.
9. VERIZON TO STEP POLE @ 6:00 TO 9:00
10. VERIZON TO PULL, TRANSPORT AND DISPOSE THE EXISTING POLE.



MAKE READY

24"x36" SCALE: NTS
11"x17" SCALE: NTS

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tel: (858) 433-7173 / (858) 433-7176

REV	DATE	DESCRIPTION
C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S
A	02/01/2019	90% CD'S SET

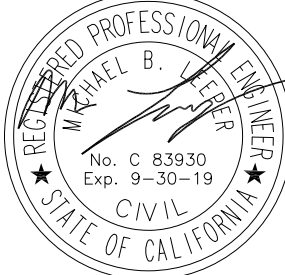
ISSUED DATE:

MAY 17, 2019

ISSUED FOR:

100% CD SET

LICENSURE:



PROJECT INFORMATION:

SOUTH CARMEL 004
LOCATION CODE: 428219
IFO LINCOLN ST. 3NE 12TH AVE.,
CARMEL, CA 93923

DRAWN BY:

SAC

CHECKED BY:

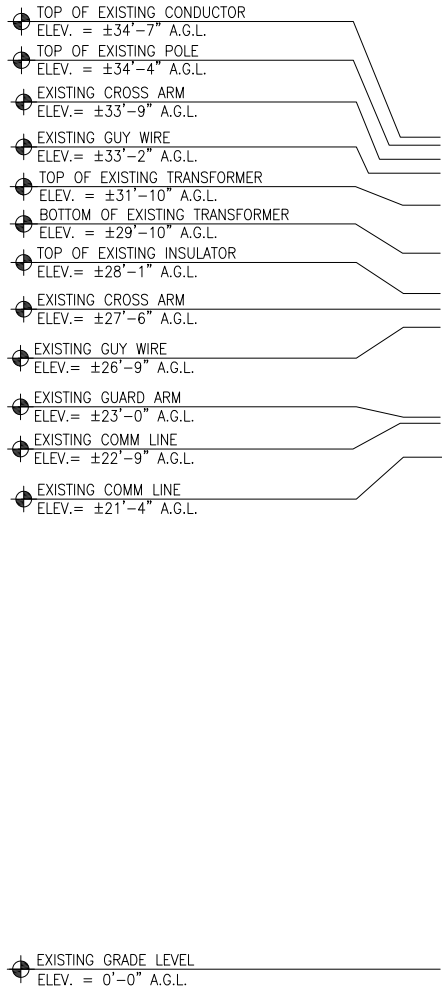
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SHEET TITLE:

ENLARGED SITE PLAN
AND EQUIPMENT /
ANTENNA LAYOUT

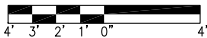
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A-2



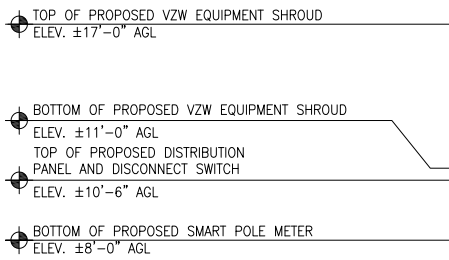
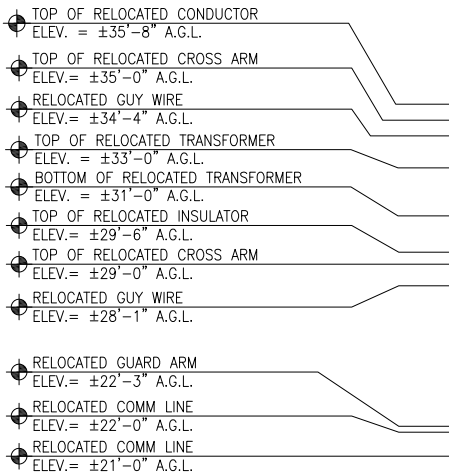
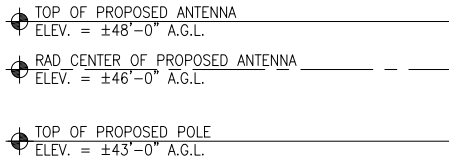
EXISTING WEST ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"

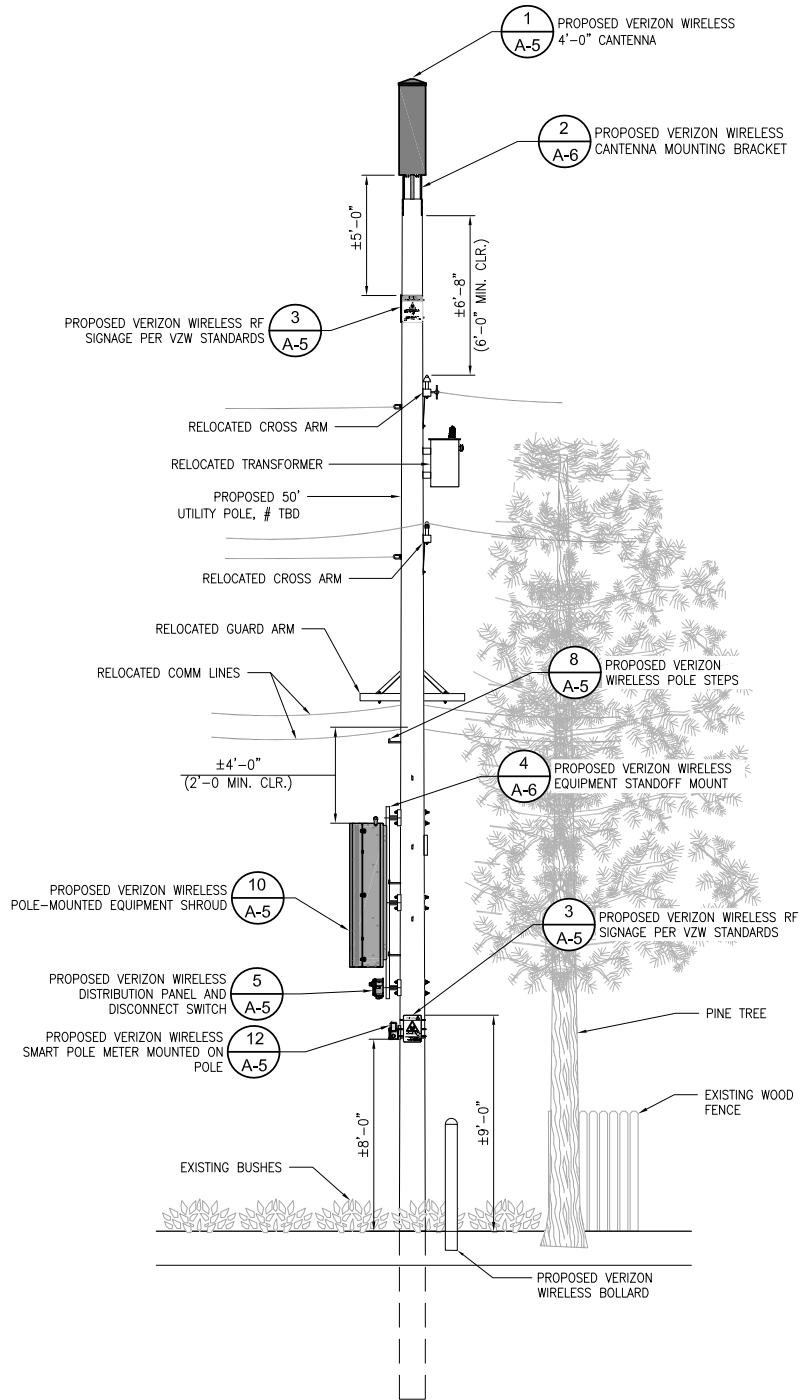


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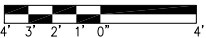
- NOTES:
1. THE NEW LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING AND STRUCTURAL ANALYSIS.
 2. NEW ANTENNAS, EQUIPMENT, CONDUITS, RISERS & ALL HARDWARE SHALL BE PAINTED DARK BROWN OR EQUIVALENT TO MATCH POLE FOR CONCEALMENT.
 3. RF SIGNAGE TO BE PLACED IN CLIMBING AREA AND STREET SIDE PER VZW/FCC STANDARDS.
 4. EQUIPMENT SHROUD MOUNTING VIEW ROTATED 45° CLOCKWISE FOR CLARITY.



PROPOSED WEST ELEVATION



24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



2

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

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LAKE FOREST, CA 92630

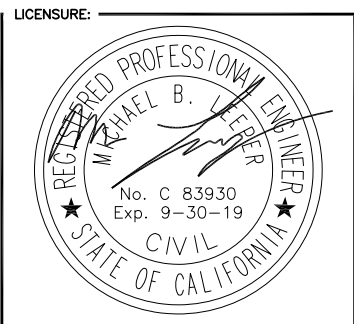
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SAN DIEGO, CA 92131
tel: (858) 433-7173 / (858) 433-7176

REV	DATE	DESCRIPTION
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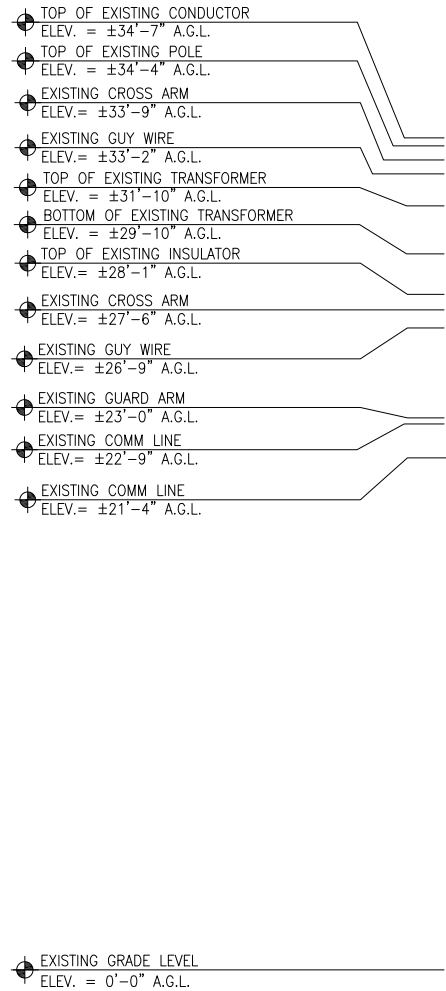
PROJECT INFORMATION:

SOUTH CARMEL 004
LOCATION CODE: 428219
1FO LINCOLN ST. 3NE 12TH AVE.,
CARMEL, CA 93923

DRAWN BY: SAC
CHECKED BY: RGG

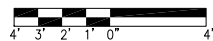
SHEET TITLE:
**ARCHITECTURAL
ELEVATIONS**

SHEET NUMBER:
A-3



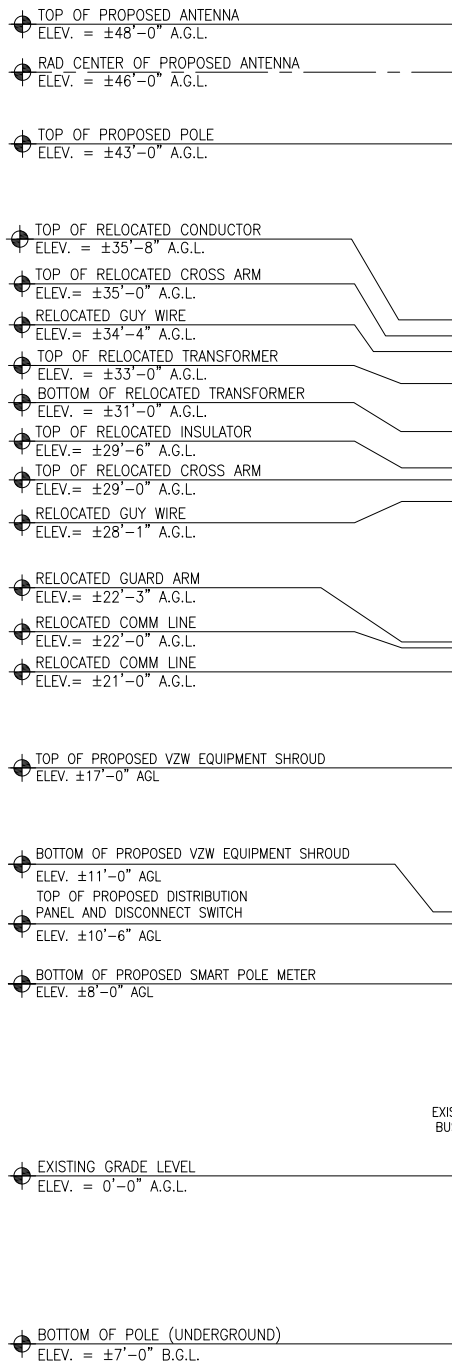
EXISTING NORTH ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



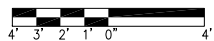
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- NOTES:
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 - RF SIGNAGE TO BE PLACED IN CLIMBING AREA AND STREET SIDE PER VZW/FCC STANDARDS.
 - EQUIPMENT SHROUD MOUNTING VIEW ROTATED 45° CLOCKWISE FOR CLARITY.

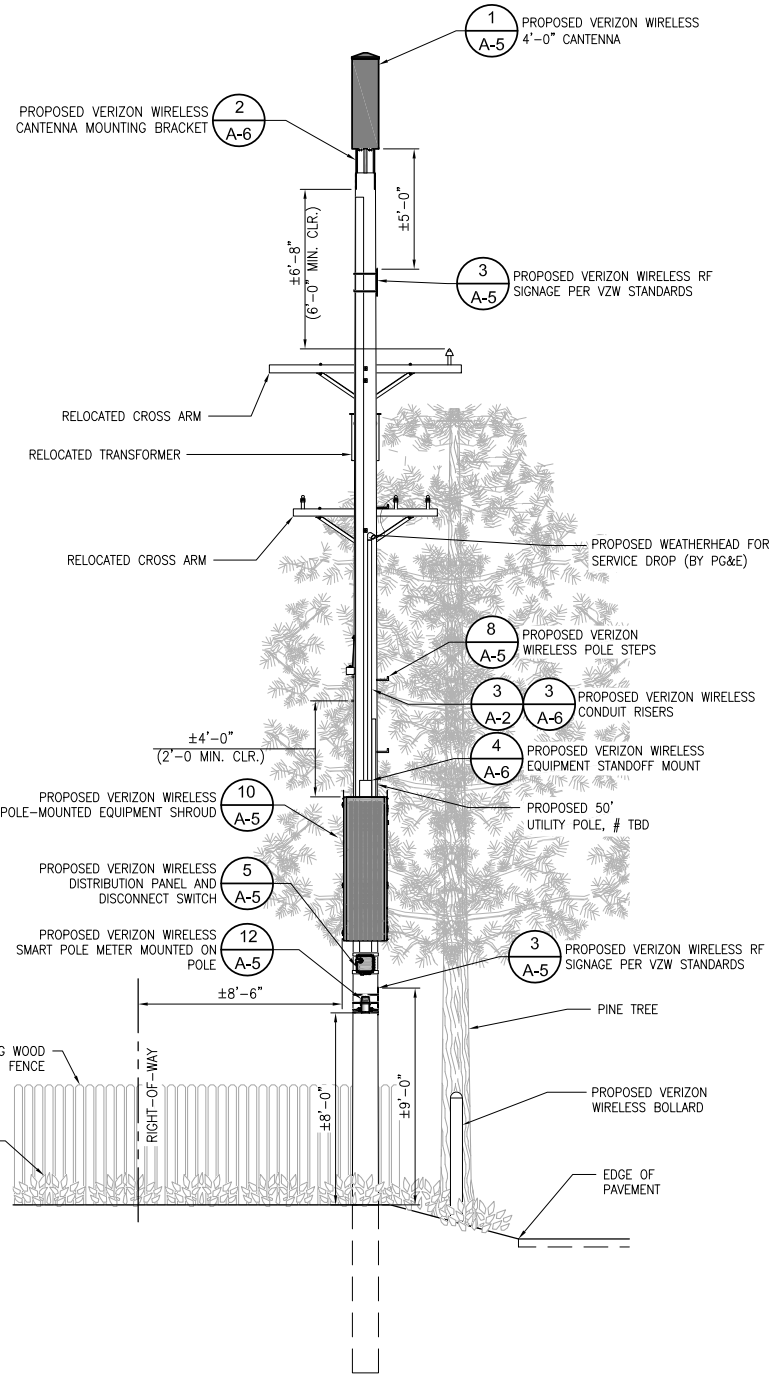


PROPOSED NORTH ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



2



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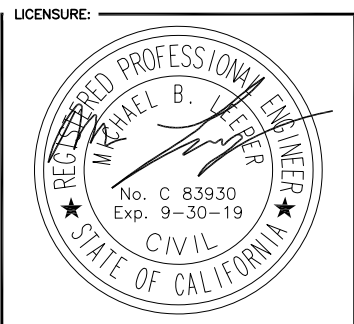
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LOCATION CODE: 428219

IFO LINCOLN ST. 3NE 12TH AVE.,
CARMEL, CA 93923

DRAWN BY: SAC

CHECKED BY: RGG

SHEET TITLE:

**ARCHITECTURAL
ELEVATIONS**

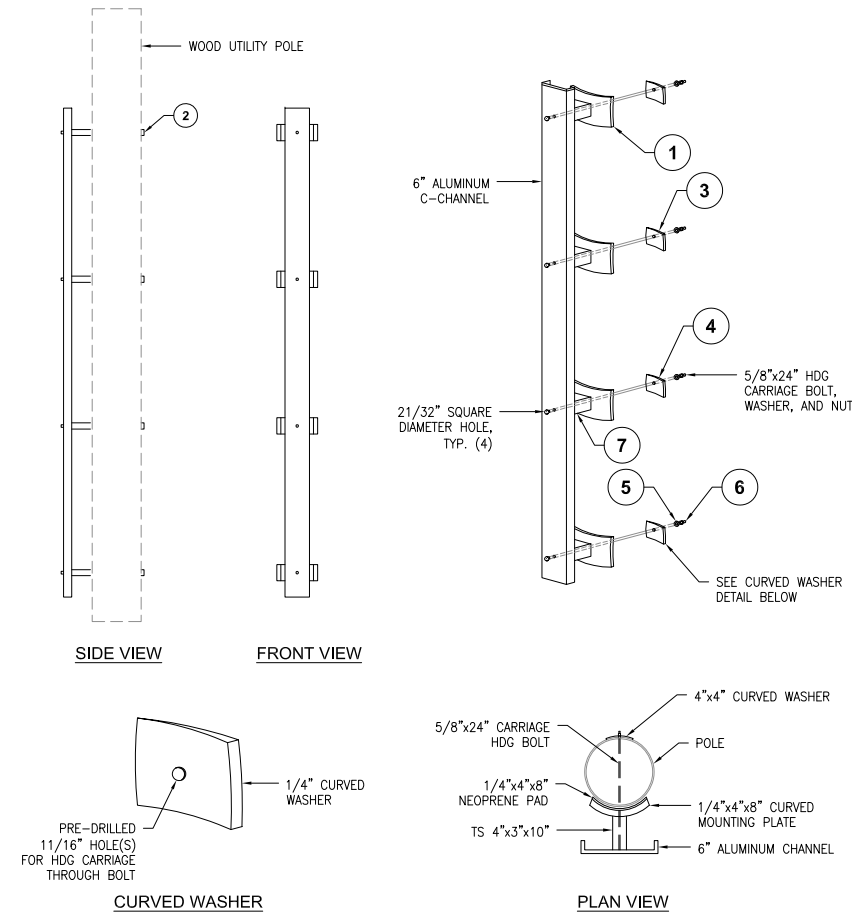
SHEET NUMBER:

A-4

ITEM NO.	QTY	DESCRIPTION	SIZE
1	4	HDG CARRIAGE BOLTS	5/8"x24"
2	4	HDG WASHER	5/8"
3	4	HDG NUTS	5/8"
4	4	CURVED WASHERS	1/4"x4"x4"
5	1	ALUMINUM C-CHANNEL	6"x2"x96"L
6	4	NEOPRENE PAD	4"x8"
7	4	TUBE STEEL w/ WELDED 4" x 8" SADDLE	3"x3"x10"L

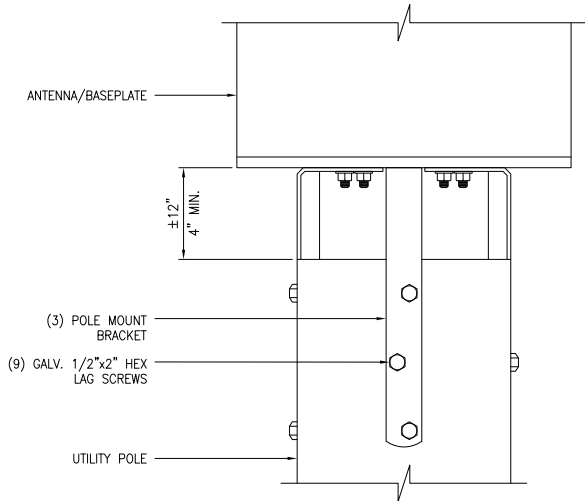
MANUFACTURER: MICRO WIRELESS SOLUTIONS
PART NO: JPAK-EM-100-08

- STEPS FOR ASSEMBLY:
1. PLACE NEOPRENE PADS TO FACE OF 1/4" x 4" x 8" WELDED SADDLE. (4) TOTAL
 2. MEASURE AND DRILL (4) 11/16" HOLES THROUGH POLE
 3. INSTALL TOP CARRIAGE BOLT BY SLIDING THROUGH TOPHOLE AND THROUGH EXISTING WOOD POLE
 4. PLACE CURVED SQUARE WASHER OVER THREADED END
 5. PLACE FLAT WASHER OVER THREADED END
 6. PLACE NUT OVER THREADED END THEN TIGHTEN AS REQUIRED
- * REPEAT PROCESS FOR REMAINING (3) ATTACHMENTS
NOTE: 4" MINIMUM PER G095 REQUIREMENTS



EQUIPMENT STANDOFF (OR APPROVED EQUAL) 24"x36" SCALE: NTS 11"x17" SCALE: NTS 4

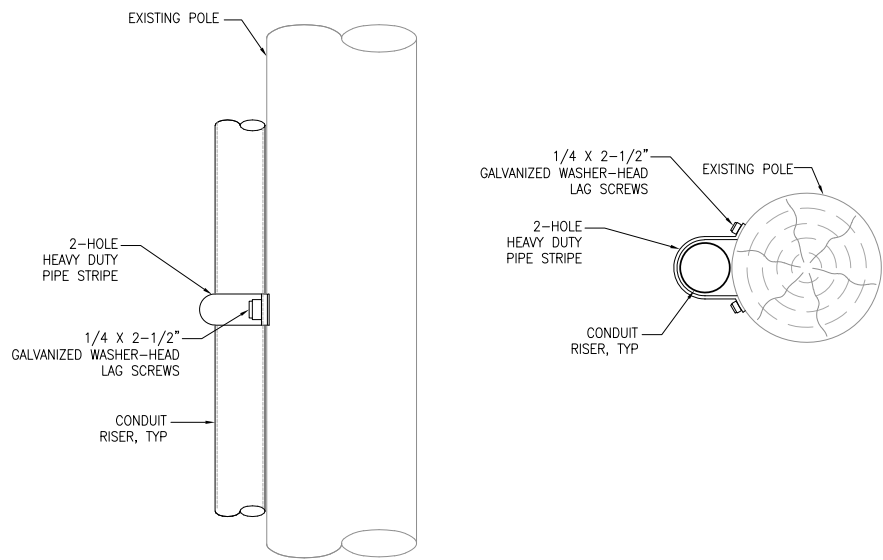
NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 7



CANTENNA MOUNTING BRACKET (OR APPROVED EQUAL) 24"x36" SCALE: NTS 11"x17" SCALE: NTS 2

NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 5

NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 8



CONDUIT ATTACHMENT 24"x36" SCALE: NTS 11"x17" SCALE: NTS 3

NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 6

NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 9

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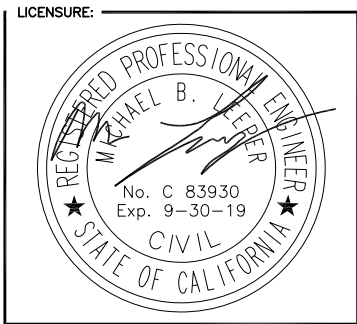
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ISSUED FOR: 100% CD SET



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CARMEL, CA 93923

DRAWN BY: SAC
CHECKED BY: RGG

SHEET TITLE: DETAILS

SHEET NUMBER: A-6

ELECTRICAL NOTES

1.

THIS INSTALLATION SHALL COMPLY WITH THE CURRENTLY ADOPTED EDITION OF THE CALIFORNIA ELECTRICAL CODE (CEC), WITH THE UTILITY COMPANY AND LOCAL CODE REQUIREMENTS.
2.

POWER, CONTROL AND EQUIPMENT GROUND WIRING IN CONDUIT SHALL BE SINGLE CONDUCTOR (#12 AWG AND LARGER), 600V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED.
3.

CUT, COIL AND TAPE A 3 FOOT PITGAL FROM END OF LFMC FOR TERMINATING AT EQUIPMENT, IF REQUIRED.
4.

SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS OR BELOW GRADE SHALL BE SINGLE CONDUCTOR #2 AWG SOLID, TINNED, COPPER WIRE
5.

ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP STYLE, COMPRESSION, WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C.
6.

ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMINATED PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (PANELBOARD AND CIRCUIT IDENTIFICATION).
7.

ALL CONDUIT RUN ABOVE GROUND OR EXPOSED SHALL BE RIGID STEEL.
8.

CABINETS, BOXES AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND CEC.
9.

PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
10.

ALL ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER) SHALL BE BONDED TOGETHER AT OR BELOW GRADE BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE CEC.
11.

PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
12.

METAL RACEWAY SHALL NOT BE USED AS THE CEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION SIZED IN ACCORDANCE WITH THE CEC SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO EQUIPMENT.
13.

EXPOSED GROUND CONNECTIONS SHALL BE MADE WITH COMPRESSION CONNECTORS WHICH ARE THEN BOLTED TO EQUIPMENT USING STAINLESS STEEL HARDWARE. INSTALLATION TORQUE SHALL BE PER MANUFACTURER'S REQUIREMENTS.
14.

PROVIDE SUPPORTING DEVICES FOR ALL ELECTRICAL EQUIPMENT, FIXTURES, BOXES, PANEL, ETC., SUPPORT LUMINARIES FROM UNDERSIDE OF STRUCTURAL CEILING. EQUIPMENT SHALL BE BRACED TO WITHSTAND HORIZONTAL FORCES IN ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. PROVIDE PRIOR ALIGNMENT AND LEVELING OF ALL DEVICES AND FIXTURES.

POLE CONSTRUCTION NOTES:

1.

METER SHALL NOT FACE THE STREET, ALLEY, OR PROPERTY SIDE OF THE POLE.
2.

METER BASE AND DISCONNECT SHALL BE BONDED TO A SEPARATE GROUND FROM THE POLE GROUND WITH CONDUCTOR HAVING A CURRENT CAPACITY THAN NO LESS THAN #6 SOLID COPPER CONDUCTOR.
3.

EQUIPMENT CANNOT OVERHANG THE ROADWAY.
4.

VERIFY AND RECORD ALL CHANGES AND FOOTAGES IN FIELD ON THE FINAL AS-BUILT DRAWINGS.
5.

GROUND S ARE TO BE TESTED: REQUIRES 5 OHMS OR LESS RESISTANCE.
6.

ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION.
7.

NOTIFY PROPERTY OWNER BEFORE WORKING ON OR AROUND PRIVATE PROPERTY.
8.

OBTAIN SPECIAL PERMITS AND PAY FEES AS REQUIRED WHEN WORKING ON CITY AND COUNTY HIGHWAY SITES.
9.

MAINTAIN 36" MINIMUM COVER IN PARKWAY.
10.

MAINTAIN 30" MINIMUM COVER BELOW GUTTER GRADE ON SURFACE STREETS.
11.

CONDUITS MAY BE MOUNTED DIRECTLY TO THE POLE OR U-GUARD MAY BE USED IF THE POLE IS WITHIN 15' OF A BUCKET TRUCK ACCESSIBLE PAVED ROAD. IF NOT ACCESSIBLE AND THE CONDUIT IS GREATER THAN 1-1/2", THE CONDUIT IS TO BE MOUNTED WITH A STANDOFF BRACKET THAT PROVIDES 7" CLEARANCE FROM THE POLE TO THE CONDUIT.
12.

CONTRACTOR TO PROVIDE MOUNTS OR ADDITIONAL HARDWARE IF REQUIRED FOR INSTALLATION OF PROPOSED ANTENNAS.
13.

CONDUIT REQUIREMENTS:

UNDERGROUND – SCHEDULE 40 PVC OR BETTER

RISERS – SCHEDULE 80 PVC WITH FIRST 10' ABOVE GROUND LEVEL TO BE RGS FOR PROTECTION PURPOSES. ALL CONDUITS WILL BE MANDRELED AND EQUIPPED WITH 3/8" PULL ROPE AND MEASURE TAPE IF REQUIRED.

GROUNDING NOTES

1.

ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION SHALL BE ACCORDING TO SITE CONDITIONS.
2.

ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
3.

GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
4.

ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: MECHANICAL/ CONNECTIONS U.N.O.
5.

INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
6.

ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
7.

ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED SO THAT IT WILL BY-PASS MAIN BUSS BAR.
8.

USE SEPARATE HOLES FOR GROUNDING AT BUSS BAR. NO "DOUBLE-UP" OR BACK TO BACK LUGS.
9.

NO LB'S ALLOWED ON GROUNDING.
10.

PROVIDE STAINLESS STEEL CLAMP AND BRASS TAGS ON ANY COAX AT ANTENNAS AND RADIOS.
11.

ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE CALIFORNIA ELECTRICAL CODE (CEC).
12.

EXOTHERMIC WELDING IS REQUIRED FOR GROUNDING BELOW GRADE CONNECTIONS WHERE PRACTICAL.
13.

MECHANICAL, ABOVE GRADE CONNECTIONS MAY BE MADE USING COMPRESSION TYPE-2 HOLES. LONG BARREL LUGS OR DOUBLE CRIMP CLAMP "C" CLAMP. THE COPPER CABLES SHALL BE COATED WITH ANTIOXIDANT (COPPER SHIELD) BEFORE MAKING THE CONNECTIONS. THE MANUFACTURER'S TORQUE RECOMMENDATIONS ON THE BOLT ASSEMBLY TO SECURE CONNECTIONS SHALL BE FOLLOWED. ALL TWO HOLE LONG BARREL LUGS SHALL HAVE VIEW PORTS TO ENSURE PROPER INSTALLATION.
14.

PROVIDE PVC SLEEVES FOR GROUNDING CONDUCTORS AS NEEDED.
15.

GROUND ANTENNA BASES, FRAMES, CABLE RACKS AND OTHER METALLIC COMPONENTS WITH #2 GROUNDING CONDUCTORS AND CONNECT TO INSULATED SURFACE MOUNTED GROUND BARS. CONNECTION DETAILS SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS FOR GROUNDING.
16.

PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
17.

SURFACES TO BE CONNECTED TO GROUND CONDUCTORS SHALL BE CLEANED TO A BRIGHT SURFACE AT ALL CONNECTIONS.
18.

GROUND REQUIREMENTS:

5/8" SS, COPPER CLAD GROUNDING ROD-10' LENGTH

GROUND TESTED AT 5 OHMS OR LESS

#2 GROUND WIRE, SOLID, TINNED

HARDWOOD MOLDING, STAPLED TO POLE EVERY 2'-0" AND AT EACH END

GROUND RODS MUST BE 24" FROM POLE AND THE TOP OF ROD MUST BE BELOW GRADE LEVEL PER PLAN DETAILS.

LEGEND SYMBOLS:

	GROUNDING WIRE, DASHED LINE INDICATES UNDERGROUND		UTILITY METER
	AC POWER LINE, DASHED INDICATES UNDERGROUND		CIRCUIT BREAKER
	DC POWER LINE, DASHED INDICATES UNDERGROUND		FUSE
	TELEPHONE LINE, DASHED LINE INDICATES UNDERGROUND		DUPLEX RECEPTACLE WITH GFCI IN WEATHERPROOF ENCLOSURE
	COAXIAL CABLE, DASHED LINE INDICATES UNDERGROUND		CLAMP OR DOUBLE HOLE LUG TYPE GROUND CONNECTION
	FIBER CABLE, DASHED LINE INDICATES UNDERGROUND		EXOTHERMIC CONNECTION TO GROUND RING
	DETAIL REFERENCE DETAIL NO. 2 ON SHEET E3		DISCONNECT SWITCH
	GROUND ROD		
	GROUND ROD WITH ACCESS		

NOTES:

1.

ALL CONDUIT ROUTING IS SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT IMPEDED.
2.

CONDUIT SIZES INDICATED ON THE DRAWINGS ARE NOT NECESSARILY BASED ON THE MINIMUM SIZE ALLOWED BY THE CEC AND MAY BE PURPOSELY OVERSIZED FOR FUTURE CONDUCTORS OR TO AVOID CONDUCTOR HEATING. CONDUIT SIZES NOT CALLED OUT ON THE DRAWINGS SHALL BE SIZED BY THE CONTRACTOR, BASED ON THE ACTUAL NUMBER OF CONDUCTORS TO BE INSTALLED, USING THE CEC AS A GUIDE. IN NO CASE SHALL CONDUIT SIZES BE SMALLER THAN 1/2" DIAMETER.
3.

THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULLBOXES REQUIRED FOR THE INSTALLATION OF ELECTRICAL DEVICES AND EQUIPMENT, WHETHER OR NOT SPECIFICALLY INDICATED ON THE PLANS. SIZING OF THESE BOXES SHALL BE PER THE CEC.
4.

ALL ELECTRICAL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
5.

UTILITY ELECTRICAL SERVICE WILL BE 120/240 VOLTS OR 120/208 VOLTS, SINGLE PHASE, MIN. 30 AMPS CAPACITY. SEE PLANS FOR DETAILS.
6.

PROJECT CONDITIONS MAY REQUIRE REARRANGEMENT OF ELECTRICAL WORK. THE SUBCONTRACTOR SHALL INDICATE SUCH CHANGES ON THE AS-BUILT DRAWINGS. WHERE CHANGES REQUIRE ALTERNATE METHODS TO THOSE SPECIFIED IN THE PLANS, THE SUBCONTRACTOR SHALL REQUEST APPROVAL, AND SHALL NOT PROCEED UNTIL APPROVAL IS OBTAINED.
7.

CONTRACTOR SHALL PAINT ALL EXPOSED EXTERIOR CONDUITS AND JUNCTION BOXES TO MATCH EXISTING FINISH ON WHICH THEY ARE ATTACHED.
8.

FIBER TRUNKS AND/OR BACKHAUL LENGTHS AND ROUTES ARE NOT VERIFIED DURING THE SITE WALK. CONTRACTOR TO VERIFY ACTUAL ROUTE AND TRUNK LENGTH DURING PRE-CONSTRUCTION WALK.
9.

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.
10.

CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT, PULL WIRES, CABLE PULL BOXES, CONCRETE ENCASEMENT OF CONDUIT, TRANSFORMER PAD, BARRIERS, POLE RISER TRENCHING, BACK FILL, AND UTILITY FEES, AND INCLUDE REQUIREMENTS IN SCOPE.
11.

TEST ALL ELECTRICAL & GROUNDING SYSTEMS (CONTINUITY, MEGGER, ETC.) UPON COMPLETION OF INSTALLATION PRIOR TO FINALIZING WORK.
12.

CONTRACTOR TO VERIFY ALL CONDUIT ROUTING FOR, (N) VZW METER AND (N) GROUND ROD LOCATION WITH LANDLORD AND UTILITY COORDINATOR IN FIELD.
13.

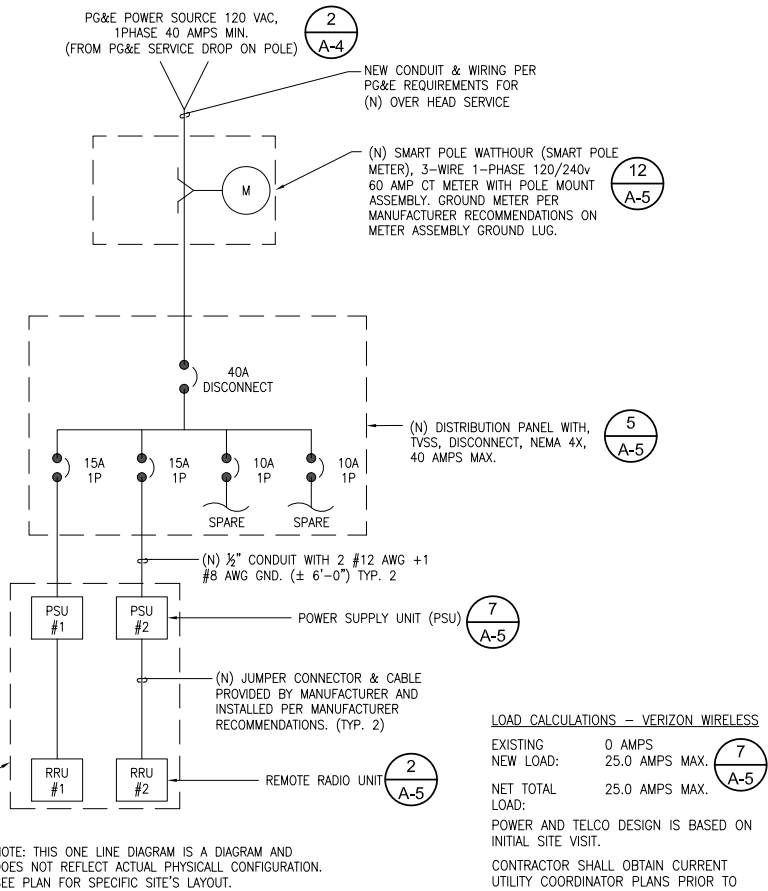
CONDUIT REQUIREMENTS (TYP., U.N.O.): UNDERGROUND: PVC (SCHED. 40 OR 80). INDOOR: EMT (RGS IN TRAFFIC AREAS). OUTDOOR: (ABOVE GRADE) RGS.
14.

PROVIDE A MIN. 36" WORK CLEARANCE IN FRONT OF PANELS/ ELECTRICAL EQUIPMENT.

BREAKER LEGEND			
CIRCUIT #	DESCRIPTION	ACB /	#POLES
1	PSU #1	15A 1P	10A 2P
2	PSU #2	15A 1P	10A 2P
3	SPARE	10A 1P	—
4	SPARE	10A 1P	—

10
A-5

(N) POLE-MOUNTED EQUIPMENT SHROUD



SINGLE LINE DIAGRAM

24"x36" SCALE: NTS
11"x17" SCALE: NTS

1

NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

2

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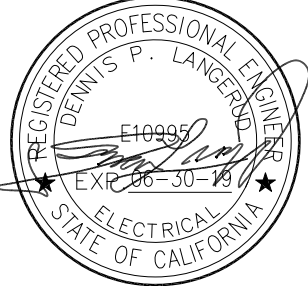
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DRAWN BY:

SAC

CHECKED BY:

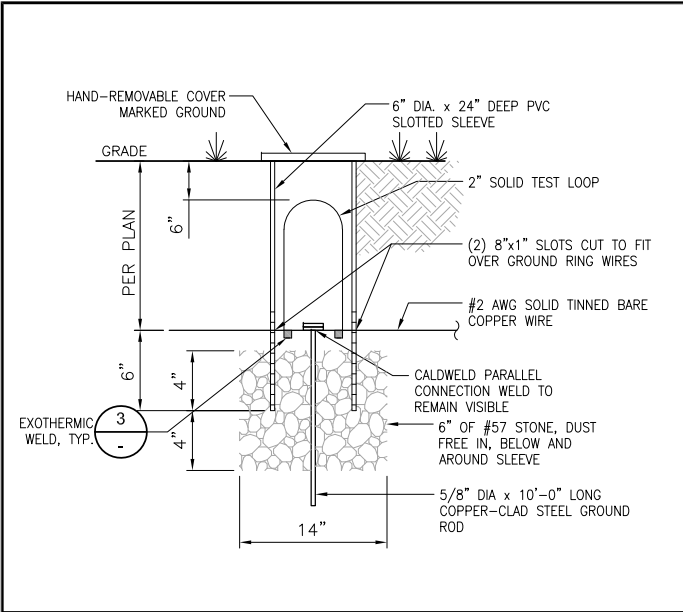
RGG

SHEET TITLE:

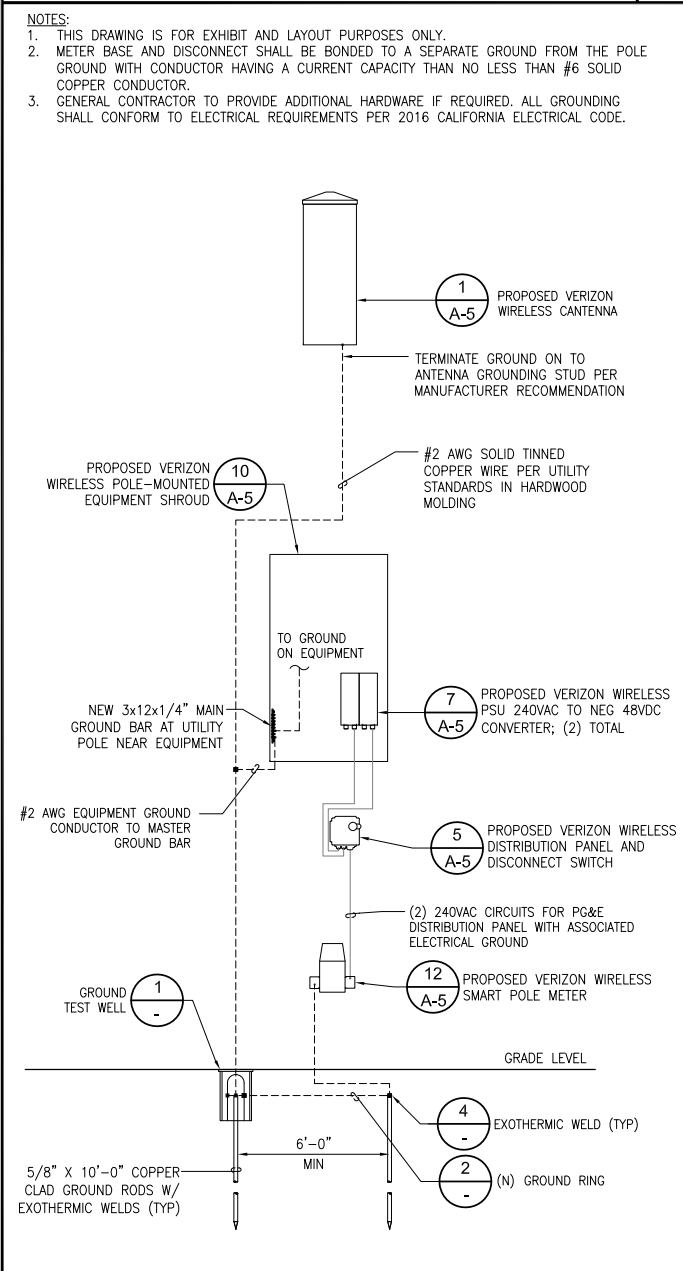
ELECTRICAL NOTES,
SINGLE LINE DIAGRAM &
PG&E DESIGN

SHEET NUMBER:

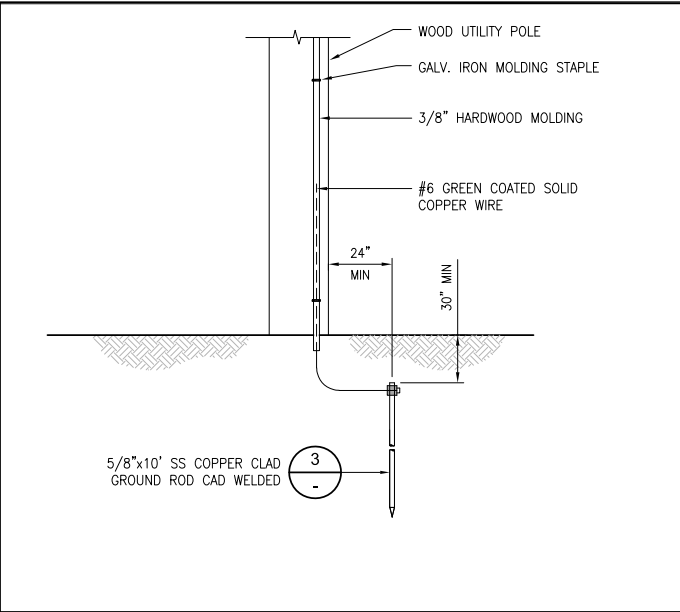
E-1



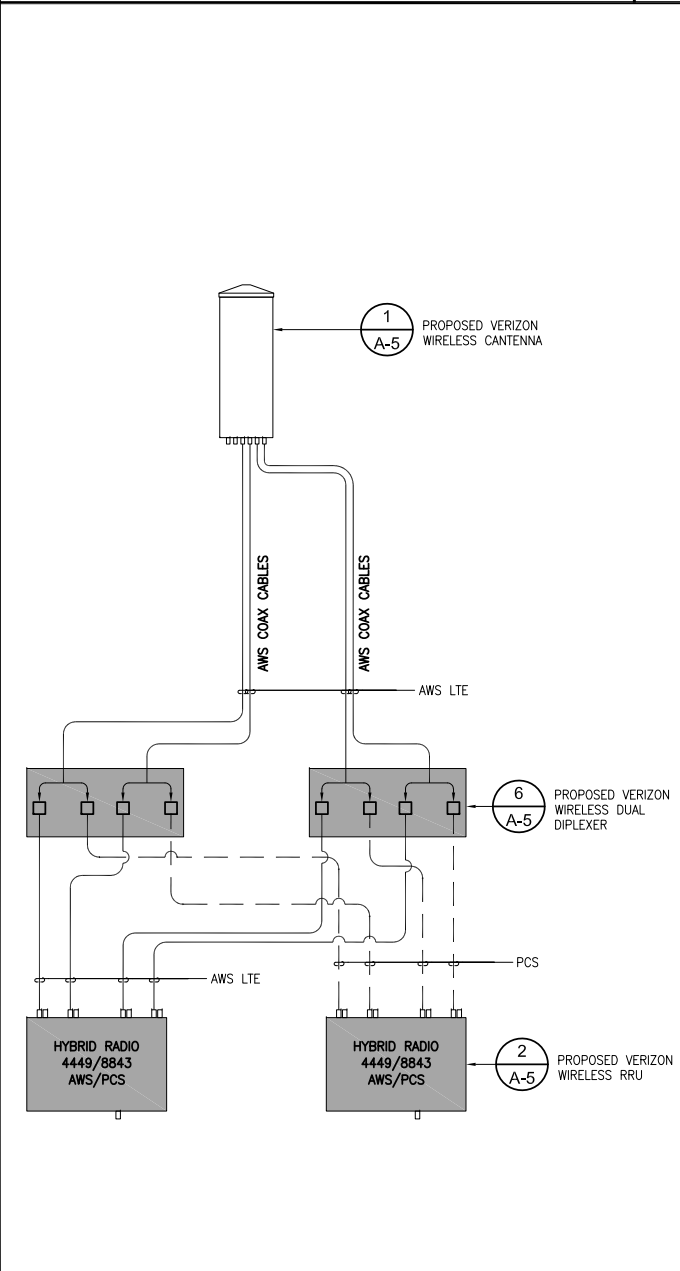
GROUND TEST WELL- TYPICAL 24"x36" SCALE: NTS 11"x17" SCALE: NTS **1**



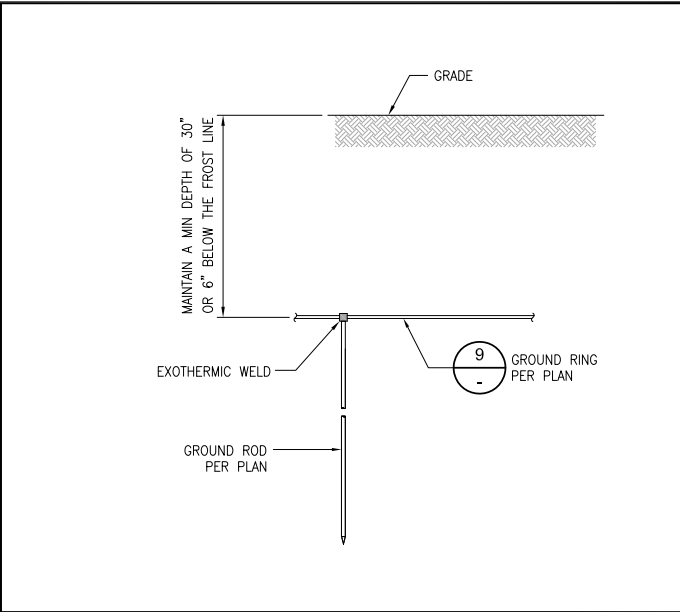
GROUNDING SCHEMATIC 24"x36" SCALE: NTS 11"x17" SCALE: NTS **9**



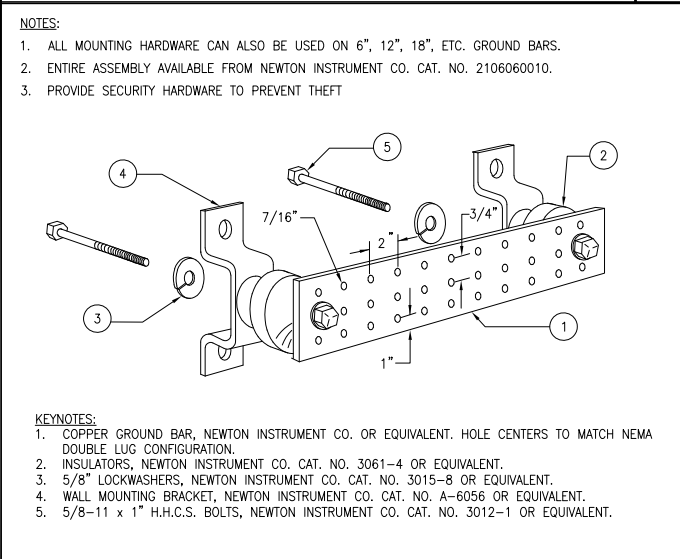
POLE GROUNDING 24"x36" SCALE: NTS 11"x17" SCALE: NTS **2**



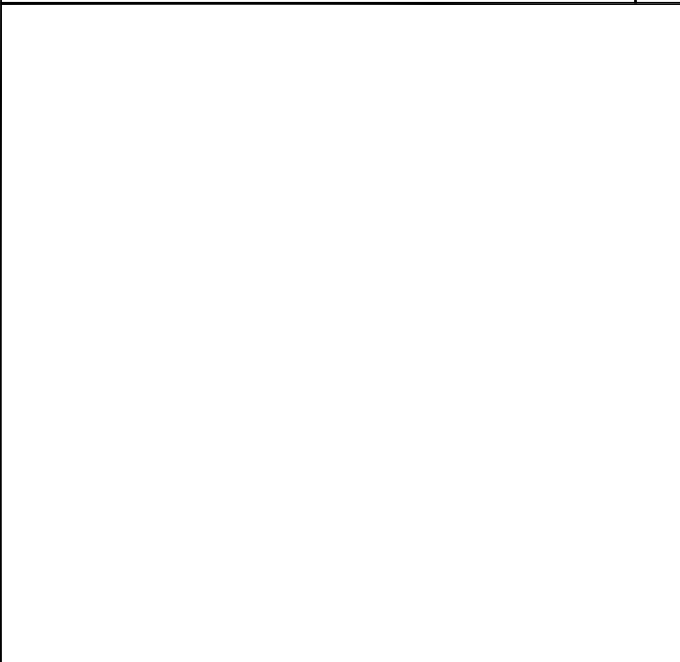
PLUMBING DIAGRAM 24"x36" SCALE: NTS 11"x17" SCALE: NTS **10**



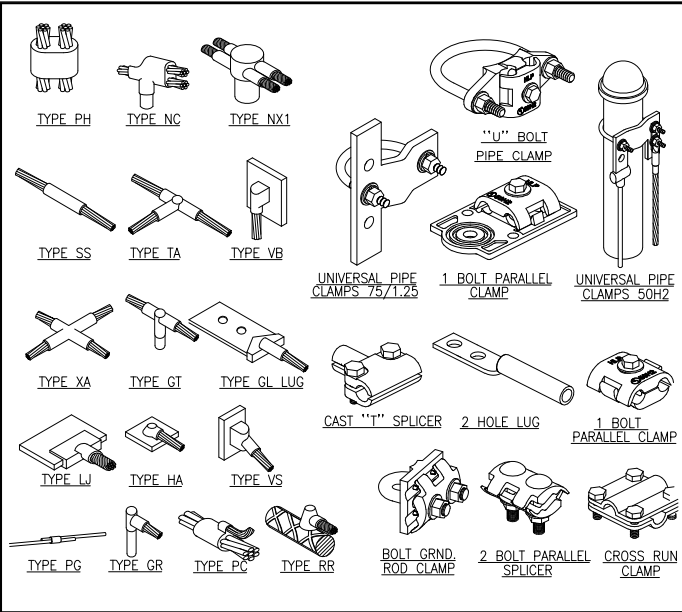
GROUND ROD/RING 24"x36" SCALE: NTS 11"x17" SCALE: NTS **3**



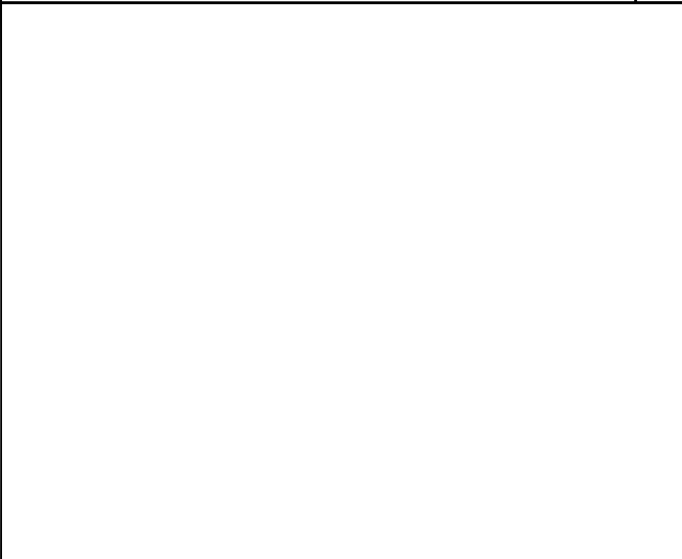
GROUND BUSS BAR 24"x36" SCALE: NTS 11"x17" SCALE: NTS **7**



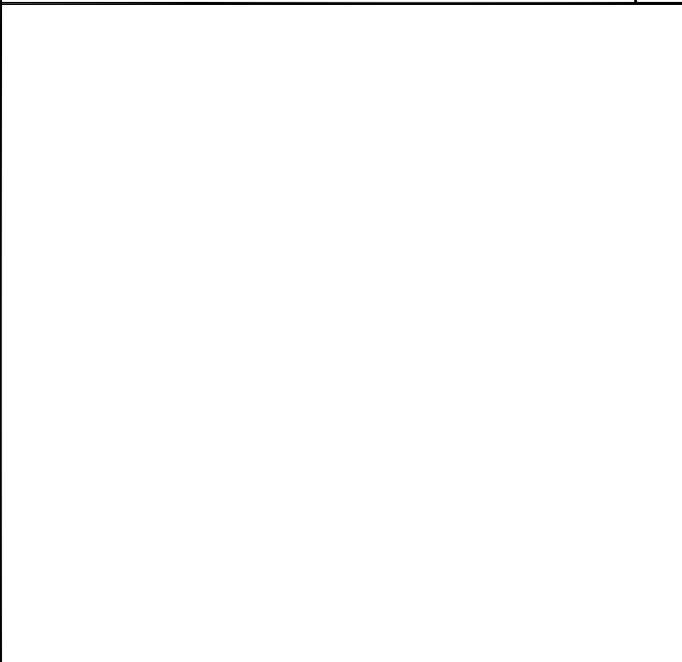
NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS **11**



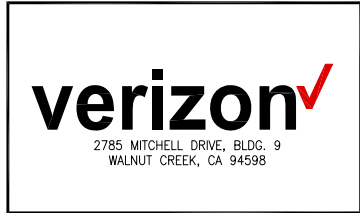
TYPICAL GROUNDING CONNECTIONS 24"x36" SCALE: NTS 11"x17" SCALE: NTS **4**



NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS **8**



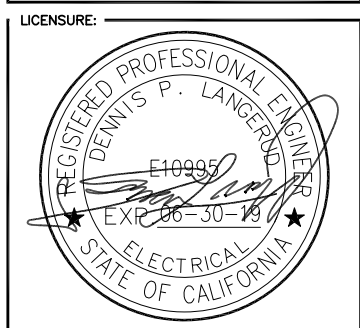
NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS **12**



REV	DATE	DESCRIPTION
C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S
A	02/01/2019	90% CD'S SET

ISSUED DATE: MAY 17, 2019

ISSUED FOR: 100% CD SET



PROJECT INFORMATION:

SOUTH CARMEL 004

LOCATION CODE: 428219

IFO LINCOLN ST. 3NE 12TH AVE., CARMEL, CA 93923

DRAWN BY: SAC

CHECKED BY: RGG

SHEET TITLE:

ELECTRICAL AND GROUNDING DETAILS

SHEET NUMBER:

E-2


AB	ANCHOR BOLT	JT	JOINT
AC	ASPHALTIC CONCRETE	LAM	LAMINATED
A/C	AIR CONDITIONING	LBS	POUNDS
ADJ	ADJUSTABLE	LT	LIGHT
A.F.F.	ABOVE FINISH FLOOR	LA	LIGHTNING ARRESTOR
ARCH	ARCHITECTURAL	LNA	LOW NOISE AMPLIFIER
APPROX	APPROXIMATELY		
A.G.L.	ABOVE GRADE LEVEL	MFR	MANUFACTURER
A.M.S.L.	ABOVE MEAN SEA LEVEL	MAT	MATERIAL
		MAX	MAXIMUM
BD	BOARD	MECH	MECHANICAL
BLDG	BUILDING	MIN	MINIMUM
BLKG	BLOCKING	MISC	MISCELLANEOUS
BOT	BOTTOM	ML	METAL LATH
BST	BASEMENT	MO	MASONRY OPENING
BTS	BALANCE TRANSCIVER STATION	MS	MACHINE SCREW
		MTD	MOUNTED
		MTL	METAL
C	COURSE(S)	(N)	
CEM	CEMENT	NIC	NEW
CL	CHAIN LINK	NOT	NOT IN CONTRACT
CLG	CEILING	NO	NUMBER
CLR	CLEAR	NTS	NOT TO SCALE
COL	COLUMN		
CONC	CONCRETE	OA	OVERALL
CONST	CONSTRUCTION	O.C.	ON CENTER
CONT	CONTINUOUS	OPNG	OPENING
CORR	CORRIDOR	OPP	OPPOSITE
CO	CONDUIT ONLY		
		PARTN	PARTITION
DIA	DIAMETER	PL	PLATE
DBL	DOUBLE	PLAS	PLASTER
DEPT	DEPARTMENT	PLYWD	PLYWOOD
DEMO	DEMOLITION	POC	POINT OF CONNECTION
DIM	DIMENSION	PROP	PROPERTY
DN	DOWN	PT	PRESSURE TREATED
DR	DOOR		
DTL	DETAIL	R	RISER
DWG	DRAWING	REQD	REQUIRED
		RD	ROOF DRAIN
(E)	EXISTING	RM	ROOM
EA	EACH	RMS	ROOMS
ELEC	ELECTRIC	RO	ROUGH OPENING
ELEV	ELEVATION		
EQUIP	EQUIPMENT	SC	SOLID CORE
EXP	EXPANSION	SCHED	SCHEDULE
EXT	EXTERIOR	SECT	SECTION
		SHT	SHEET
FB	FIRE ALARM	SIM	SIMILAR
FA	FLAT BAR	SPECS	SPECIFICATIONS
FF	FINISH FLOOR	SS	STAINLESS STEEL
FH	FLAT HEAD	STL	STEEL
FIN	FINISH(ED)	STOR	STORAGE
FLR	FLOOR	STRUCT	STRUCTURAL
FOS	FACE OF STUDS	SUSP	SUSPENDED
FS	FINISH SURFACE	SW	SWITCH
FTG	FOOT, FEET	SWB	SWITCHBOARD
FTG	FOOTING		
FW	FINISH WALL	THK	THICK
F.W.	FINISH GRADE	TI	TENANT IMPROVEMENT
FUT	FUTURE	TMA	TOWER MOUNTED AMP
		TOS	TOP SURFACE
GA	GAUGE	TS	TUBE STEEL
GALV	GALVANIZED	Typ	TYPICAL
GL	GLASS		
GR	GRADE	UNO	UNLESS NOTED OTHERWISE
GYP	GYP-SUM		
GFCI	GROUND FAULT CIRCUIT INTERRUPT	VCT	VINYL COMPOSITION TILE
		VERT	VERTICAL
GND	GROUND	V.I.F.	VERIFY IN FIELD
		VG	VERTICAL GRAIN
HC	HOLLOW CORE	W/	WITH
HDW	HARDWARE	WD	WOOD
HTR	HEATER	WR	WATER RESISTANT
HM	HOLLOW METAL	WT	WEIGHT
HORIZ	HORIZONTAL		
HR	HOUR	XFMR	TRANSFORMER
HSS	HOLLOW STRUCTURAL SECTION		
HT	HEIGHT	⊙	AT
HV	HIGH VOLTAGE	└	CHANNEL
		⌒	CENTERLINE
ID	INSIDE DIMENSION	∠	ANGLE
INS	INSULATION	ℓ	PROPERTY LINE
INT	INTERIOR		

BUILDING SECTION
REFERENCE

DETAIL NUMBER

SHEET NUMBER

DETAIL REFERENCE



DETAIL SECTION
REFERENCE

DETAIL NUMBER

SHEET NUMBER

EXTERIOR ELEVATION
REFERENCE

PROPERTY LINE

— X — X — X —

FENCING

$$\text{---E---E---E---}$$

ELECTRICAL SERVICE

_____ F _____ F _____ F _____

FIBER SERVICE

— — — F/F — — — — F/F — — — —

ELECTRICAL / FIBER SERVICE

- PLANS ARE INTENDED TO BE DIAGMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
2. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT/ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
3. CONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER, T1 OR FIBER CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. CONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS, AS NECESSARY. CONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR. ROUTING OF TRENCHING SHALL BE APPROVED BY CONTRACTOR
4. ALL MATERIALS AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE BUILDING CODE AND ALL OTHER GOVERNING CODES. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.
5. THE CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES AS THEY MAY BE DISCOVERED IN THE PLANS, SPECIFICATIONS, & NOTES PRIOR TO STARTING CONSTRUCTION, INCLUDING BUT NOT LIMITED BY DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERROR, OMISSION, OR INCONSISTENCY AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER AND SHALL INCUR ANY EXPENSES TO RECTIFY THE SITUATION. THE METHOD OF CORRECTION SHALL BE APPROVED BY THE ARCHITECT/ENGINEER.
6. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR OR SUBCONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGE TO THE UTILITIES CAUSED DURING THE EXECUTION OF THE WORK, WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK. UTILITIES SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW.
7. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND SHALL BE CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER.
8. A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORMATION AS THE APPROVED PLANS. THE CONTRACTOR SHALL ALSO MAINTAIN ONE SET OF PLANS AT THE SITE FOR THE PURPOSE OF DOCUMENTING ALL AS-BUILT CHANGES, REVISIONS, ADDENDUMS, OR CHANGE ORDERS. THE CONTRACTOR SHALL FORWARD THE AS-BUILT/HIRED DRAWINGS TO THE ARCHITECT/ENGINEER AT THE CONCLUSION OF THE PROJECT.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE THE WORK IS IN PROGRESS UNTIL THE JOB IS COMPLETE.
10. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER, AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER OR GOVERNING AGENCY.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON, NOR PROVIDE DIRECTION, AS TO SAFETY PRECAUTIONS AND PROGRAMS.
12. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, SEQUENCING, AND COORDINATING ALL PORTIONS OF THE WORK UNDER THE PROJECT. FURTHERMORE, THE STRUCTURE IS DESIGNED AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
13. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS WITH RESPECT TO THE WORK TO COMPLETE THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE FILED BY THE OWNER OR HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN THE PERMIT AND MAKE FINAL PAYMENT OF SAID DOCUMENT(S).
14. ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE UNLESS OTHERWISE NOTED.
15. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY FRAMING, BACKING, HANGERS, BLOCKING OR SUPPORTS FOR INSTALLATION OF ITEMS INDICATED ON THE DRAWINGS.
16. NEW CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR EXCEPT AS NOTED IN THE PLANS.
17. WHERE SPECIFIED, MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR RECORDING THE RESULTS.
18. ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.
19. ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY STANDARDS. IF A CONTRACTOR HAS A QUESTION REGARDING THEIR EXACT MEANING, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED FOR CLARIFICATIONS.
20. CONTRACTORS SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.
21. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NORTH PORTION OF THE WORK TO THE EXISTING WORK.
22. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING (SHEET L51), SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DERIVED ON THE CIVIL SURVEY, THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT/ENGINEER.
23. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT/ENGINEER. UNAUTHORIZED CHANGES RENDER THESE DRAWINGS VOID. THIS INCLUDES THAT THE CONTRACTOR SHALL NOT BE RELIEVED OF ANY DEVIATION FROM THE PLANS BY THE PROFESSIONAL'S RECORD REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC. UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION IN WRITING AT THE TIME OF SUBMISSION, AND THE PROFESSIONAL OF RECORD HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
24. ANY REFERENCE TO THE WORDS "APPROVED" OR "APPROVAL" IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE CONTRACTOR AND/OR HIS SUB-CONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFIED.
25. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.

1. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE DESIRED LOCATIONS OR ARRANGEMENTS OF CONDUIT RUNS, OUTLETS, EQUIPMENT, ETC., AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE. PROPER JUDGEMENT MUST BE EXERCISED IN EXECUTING THE WORK SO AS TO SECURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE LIMITATIONS OR INTERFERENCE OF STRUCTURE CONDITIONS ENCOUNTERED.
2. IN THE EVENT CHANGES IN THE INDICATED LOCATIONS OR ARRANGEMENTS ARE NECESSARY, DUE TO FIELD CONDITIONS IN THE BUILDING CONSTRUCTION OR REARRANGEMENT OF FURNISHINGS OR EQUIPMENT, SUCH CHANGES SHALL BE MADE WITHOUT COST, PROVIDING THE CHANGE IS ORDERED BEFORE THE CONDUIT RUNS, ETC., AND WORK DIRECTLY CONNECTED TO THE SAME IS INSTALLED AND NO EXTRA MATERIALS ARE REQUIRED.
3. COORDINATE THE WORK OF THIS SECTION WITH THAT OF ALL OTHER TRADES, WHERE CONFLICTS OCCUR, CONSULT WITH THE RESPECTIVE CONTRACTOR AND COME TO AGREEMENT AS TO CHANGES NECESSARY, OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER FOR THE PROPOSED CHANGES BEFORE PROCEEDING.

1. TELEPHONE AND ELECTRICAL METERING FACILITIES SHALL CONFORM TO THE REQUIREMENTS OF THE SERVING UTILITY COMPANIES. CONTRACTOR SHALL VERIFY SERVICE LOCATIONS AND REQUIREMENTS. SERVICE INFORMATION WILL BE FURNISHED BY THE SERVING UTILITIES.
2. CONFORM TO ALL REQUIREMENTS OF THE SERVING UTILITY COMPANIES

verizon
2785 MITCHELL DRIVE, BLDG. 9
WALNUT CREEK, CA 94598



C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S
A	02/01/2019	90% CD'S SET
REV	DATE	DESCRIPTION

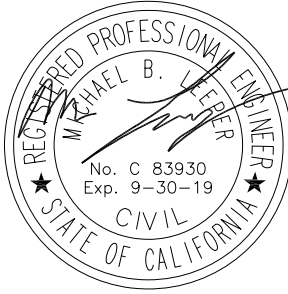
ISSUED- DATE:

MAY 17, 2019

ISSUED-FOR:

100% CD SET

LICENSURE:



PROJECT INFORMATION:

SOUTH CARMEL 005

LOCATION CODE: 428220

IFO MISSION ST. 2 SW 12TH AVE.,
CARMEL, CA 93923

DRAWN BY:

SAC

CHECKED BY:

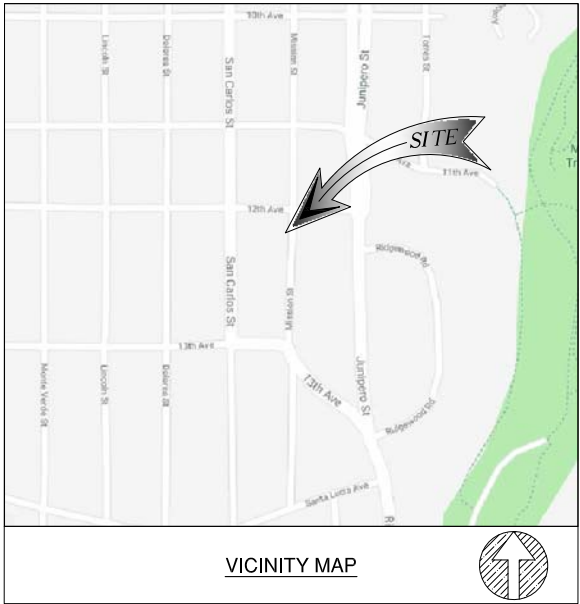
RGO

SHEET-TITLE:

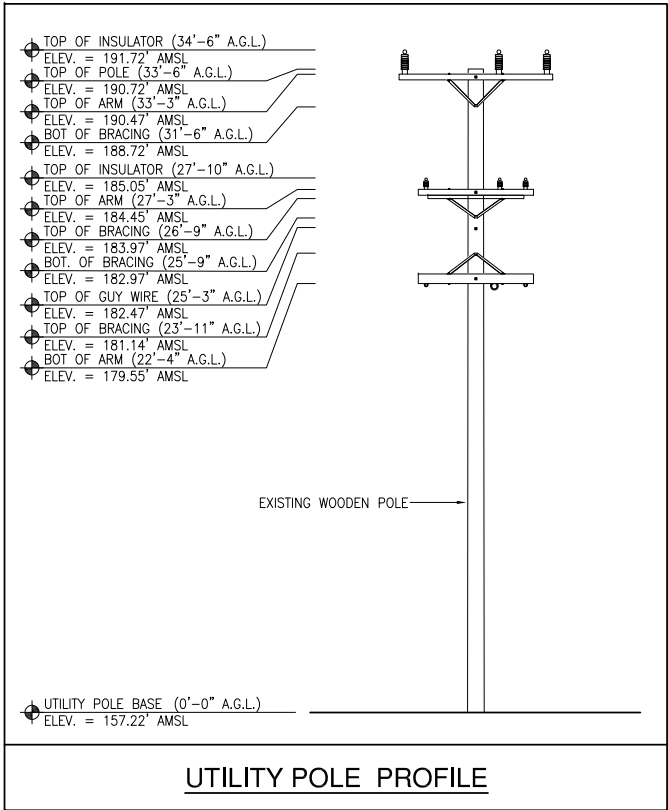
NOTES AND SPECIFICATIONS

SHEET NUMBER:

T-2



- NOTES:
- THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP. THE PROPERTY LINES AND EASEMENTS SHOWN HEREON ARE FROM RECORD INFORMATION AS NOTED HEREON. CELLSITE CONCEPTS TRANSLATED THE TOPOGRAPHIC SURVEY TO RECORD INFORMATION USING FOUND MONUMENTS SHOWN HEREON. THE LOCATION OF PROPERTY LINES SHOWN HEREON ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY. THEY ARE NOT TO BE RELIED UPON AS THE ACTUAL BOUNDARY LINES.
 - ANY CHANGES MADE TO THE INFORMATION ON THIS PLAN, WITHOUT THE WRITTEN CONSENT OF CELLSITE CONCEPTS, RELIEVES CELLSITE CONCEPTS OF ANY AND ALL LIABILITY.
 - THE HEIGHTS AND ELEVATIONS FOR THE TREES, BUSHES AND OTHER LIVING PLANTS SHOWN HEREON, SHOULD BE CONSIDERED APPROXIMATE (+/-) AND ONLY FOR THE DATE OF THIS SURVEY. THEY ARE PROVIDED AS A GENERAL REFERENCE AND SHOULD NOT BE USED FOR DESIGN PURPOSES.
 - RIGHT-OF-WAY WAS ESTABLISHED BY LOCATING FOUND CENTERLINE CITY OR COUNTY MONUMENTS. IF CENTERLINE MONUMENTS WERE NOT LOCATABLE, THE CENTERLINE OFFSET TIES WERE USED TO ESTABLISH THE INTERSECTIONS. IF NEITHER CENTERLINE TIES OR CENTERLINE INTERSECTION MONUMENTS WERE LOCATABLE, EXISTING IMPROVEMENTS WERE USED TO ESTABLISH RIGHT-OF-WAY.
 - ALL SHOWN RIGHT-OF-WAY WERE BASED UPON RESEARCH AT COUNTY OR CITY FILES AND REFLECT THE LATEST RECORDED MAPS, RECORDS OF SURVEY, PARCEL MAPS OR OTHER RECORDS. RIGHT-OF-WAY WILL NOT REFLECT ANY DEDICATION, TAKEN OR OFFERED AFTER THE THE RECORD MAP USED. ALL SURVEYS WERE COMPLETED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND MAY NOT SHOW ADDITIONAL DEDICATIONS NOT SHOWN ON THE RECORD MAPS USED.
 - WRITTEN DIMENSIONS SHALL TAKE PREFERENCE OVER SCALED & SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE SURVEYOR PRIOR TO COMMENCEMENT OF ANY WORK.
 - FIELD SURVEY COMPLETED ON DECEMBER 16, 2018

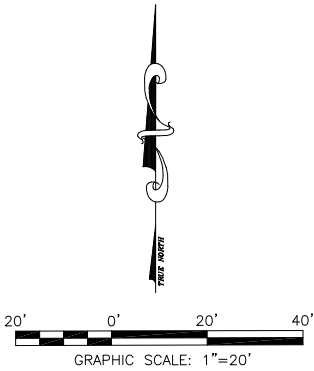


BASIS OF BEARING
THE CENTERLINE OF MISSION STREET BEARING S00°06'00"W WAS USED AS BASIS OF BEARING FOR THIS SURVEY.

BASIS OF ELEVATIONS: (NAVD 1988)
ELEVATIONS ARE BASED ON CALVRS G.P.S. BROADCAST COORDINATE VALUES FOR 2017, NAVD 88

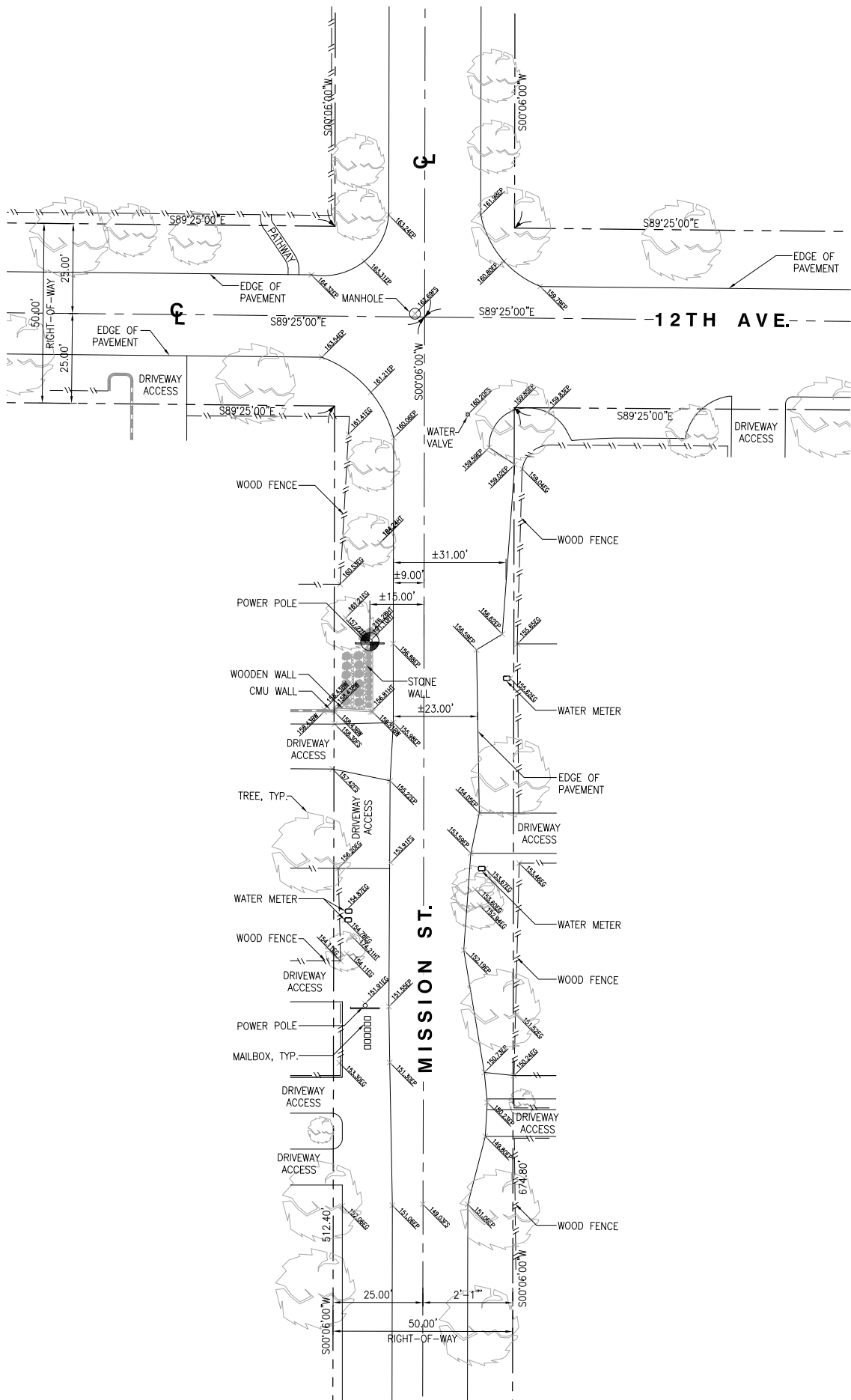
FLOOD ZONE
SITE IS LOCATED IN FLOOD ZONE "X" AS PER F.I.R.M. MAP NO. 06053C0316H EFFECTIVE DATE 06/21/2017

- LEGEND**
- CENTER LINE
 - PROPERTY LINE
 - CHAIN-LINK FENCE
 - WOOD FENCE
 - WROUGHT IRON FENCE
 - EASEMENT LINE
 - RETAINING WALL
 - TC
 - FL
 - FS
 - EG
 - HT
 - EP
 - BW
 - EXISTING STREET LIGHT
 - EXISTING TRAFFIC SIGNAL
 - EXISTING SIGN
 - GUY WIRE
 - CATCH BASIN
 - POWER POLE
 - FIRE HYDRANT
 - PINE TREE
 - PALM TREE
 - TREE
 - BUSH
 - EXISTING CONCRETE
 - EXISTING GRASS/TURF
 - MONUMENT FD.
- MONUMENTS**
- COORDINATES**
- LATITUDE: 36°32'51.48"N (36.54764)
LONGITUDE: 121°55'15.57"W (-121.92099)



PROPERTY LINES ARE BASED FROM
MAP NO. 5155
RECORD OF SURVEY NO. 20314
CORNER RECORD NO. 30848
CORNER RECORD NO. 30867

DATED JUNE 1942
DATED AUGUST 1988
DATED SEPTEMBER 2008
DATED SEPTEMBER 2008



verizon

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

SEQUOIA
DEPLOYMENT SERVICES, INC.
22471 ASPAN STREET, STE 290
LAKE FOREST, CA 92630

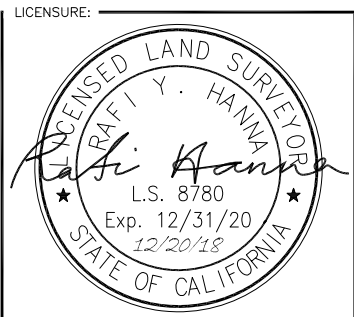
esite
concepts

10650 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
tel: (858) 433-7173 / (858) 433-7176

REV	DATE	DESCRIPTION
1	12/17/2018	FINAL SURVEY

ISSUED DATE: **DECEMBER 17, 2018**

ISSUED FOR: **FINAL SURVEY**



PROJECT INFORMATION: **SOUTH CARMEL 005**

**I/O MISSION ST 2SW 12TH AVE.,
CARMEL, CA 93923**

DRAWN BY: **APL**

CHECKED BY: **MP**

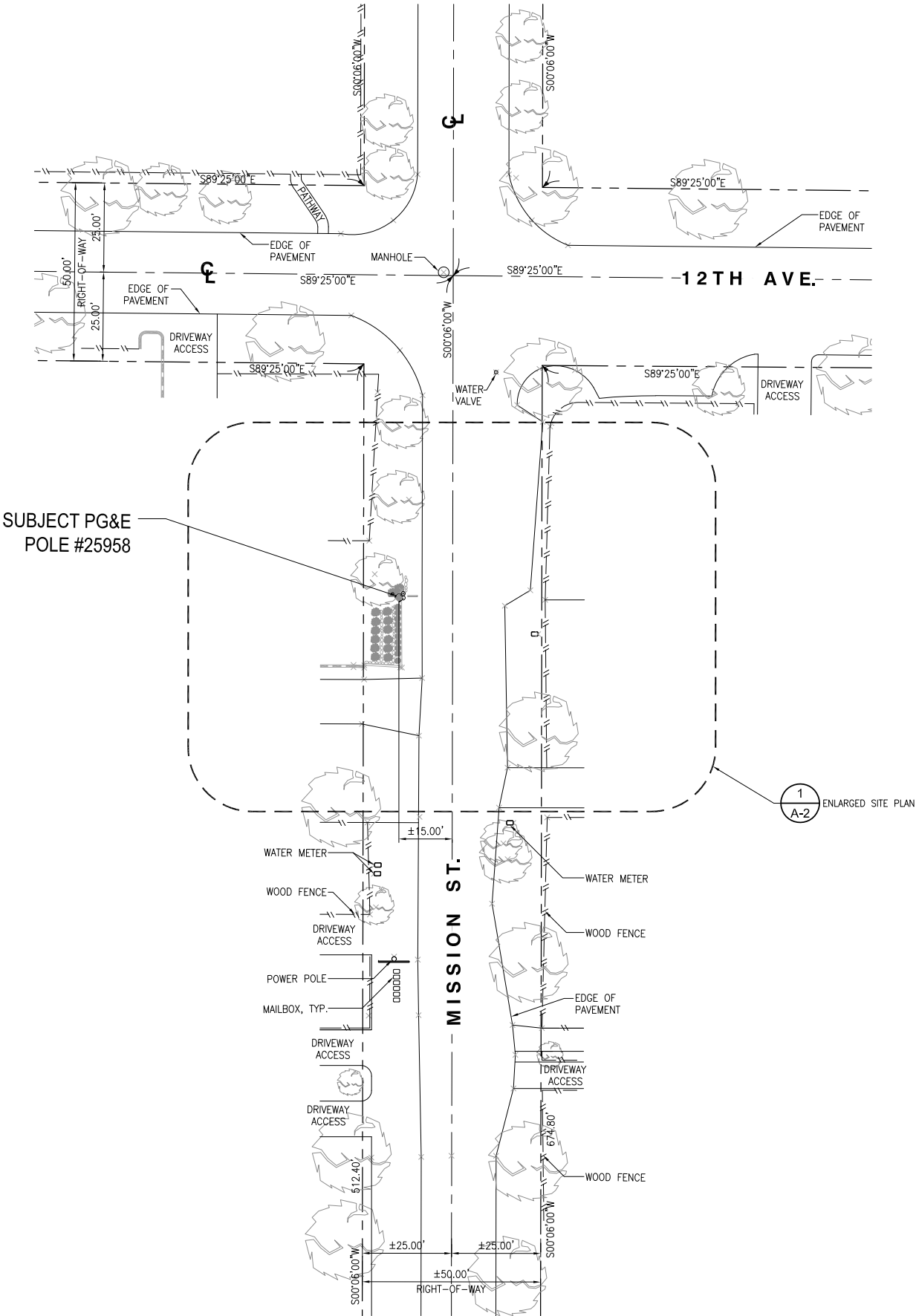
SHEET TITLE: **TOPOGRAPHIC
SURVEY**

SHEET NUMBER: **LS-1**

- SITE NOTES:
1. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT/ ENGINEER.
 2. CONTRACTOR TO VERIFY LOCAL UTILITY REQUIREMENTS FOR DEPTH, SIZES, AND SEPARATION OF CONDUITS PRIOR TO INSTALLATION. NOTIFY CONSTRUCTION MANAGER IMMEDIATELY OF ANY DISCREPANCIES.
 3. PROPOSED UTILITY SERVICES SHOWN NEED TO BE VERIFIED AND APPROVED BY UTILITY COMPANIES BEFORE START OF CONSTRUCTION. CONTRACTOR TO VERIFY WITH CLIENT PROJECT MANAGER TO OBTAIN FINAL APPROVAL.
 4. VERIFY, LOCATE, AND PROTECT ALL EXISTING SUBSTRUCTURES AS REQUIRED. CALL DIG ALERT @ (800) 227-2600 48 HOURS BEFORE ANY EXCAVATION. CONTRACTOR IS RESPONSIBLE TO HAVE ALL NON-PUBLIC UTILITIES LOCATED AT THEIR OWN EXPENSE.
 5. CONTRACTOR SHALL IMMEDIATELY INFORM CLIENT OF ANY ACCIDENTAL DAMAGE TO EXISTING UTILITIES VIA PHONE OR EMAIL REGARDLESS OF ABILITY TO REPAIR OR MITIGATE. A FOLLOW-UP EMAIL REPORT WITH DIGITAL PHOTOS WILL BE REQUIRED DAILY UNTIL RESOLUTION HAS BEEN ACCEPTED BY CLIENT, AFFECTED SERVICE PROVIDERS, AND RECIPIENTS. AT THEIR OWN EXPENSE, CONTRACTOR WILL EXERCISE ALL EFFORTS TO HAVE REPAIRS MADE BY QUALIFIED TECHNICIANS AS APPROVED BY SERVICE PROVIDER.
 6. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE REFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER, FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
 7. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
 8. ANY DRAIN AND /OR FIELD TILE ENCOUNTERED/DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK, SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT OR ENGINEER AT COMPLETION OF PROJECT.
 9. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH THE CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
 10. NEW CONDUITS SHALL BE INSTALLED IN TRENCH SUCH THAT THE TOP OF CONDUIT SHALL HAVE A MINIMUM COVER OF 30-INCHES BELOW ADJACENT EDGE OF PAVEMENT OR ORIGINAL GROUND, WHICHEVER IS LOWER IN ELEVATION.
 11. ALL PULL BOXES SHALL BE PRECAST REINFORCED CONCRETE AND HAVE NON CONDUCTIVE LIDS. EXISTING PULL BOX COVERS THAT ARE MARKED INCORRECTLY SHALL BE REPLACED.
 12. REGRADE LANDSCAPING AS NEEDED AND REPLACE DAMAGED IRRIGATION LINES WITHIN 24 HOURS.



SITE PLAN



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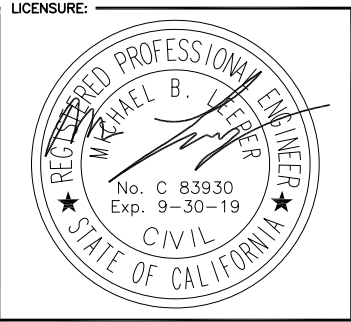
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LAKE FOREST, CA 92630

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10650 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
tel: (858) 433-7173 / (858) 433-7176

C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S
A	02/01/2019	90% CD'S SET
REV	DATE	DESCRIPTION

ISSUED DATE:
MAY 17, 2019

ISSUED FOR:
100% CD SET



PROJECT INFORMATION:
SOUTH CARMEL 005
LOCATION CODE: 428220
IFO MISSION ST. 2 SW 12TH AVE.,
CARMEL, CA 93923

DRAWN BY: SAC
CHECKED BY: RGG

SHEET TITLE:
SITE PLAN

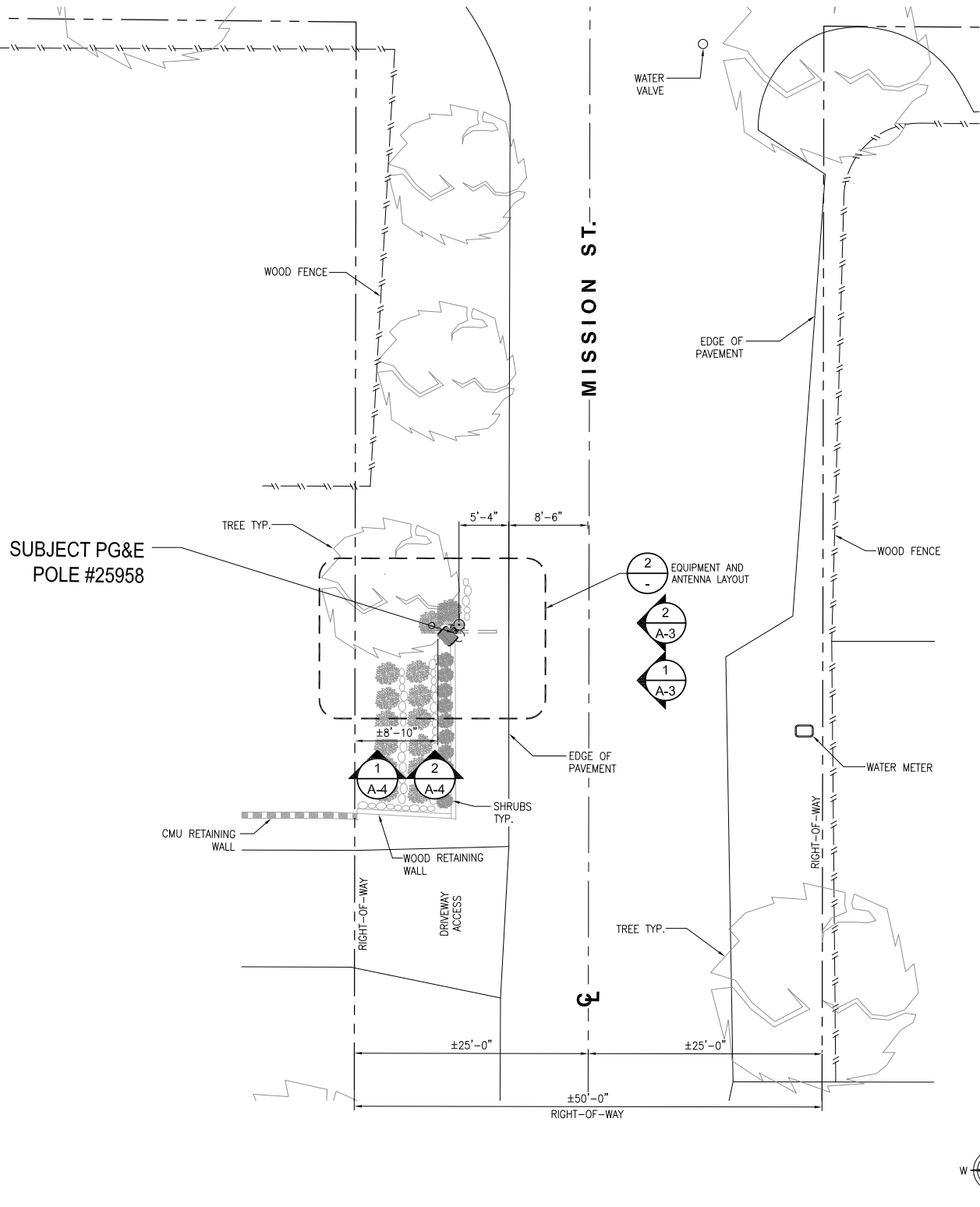
SHEET NUMBER:
A-1

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"
20' 10' 0' 20'

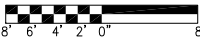


UNDERGROUND UTILITIES NOTE:

ALL EXISTING SUB-SURFACE UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM FIELD SURVEY AND/OR AVAILABLE RECORDS, THE ARCHITECT/ ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR THE DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES. THERE MAY BE EXISTING UTILITIES OTHER THAN THOSE SHOWN ON THIS PLAN. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINE SHOWN AND ANY OTHER LINES NOT SHOWN ON THIS PLAN.



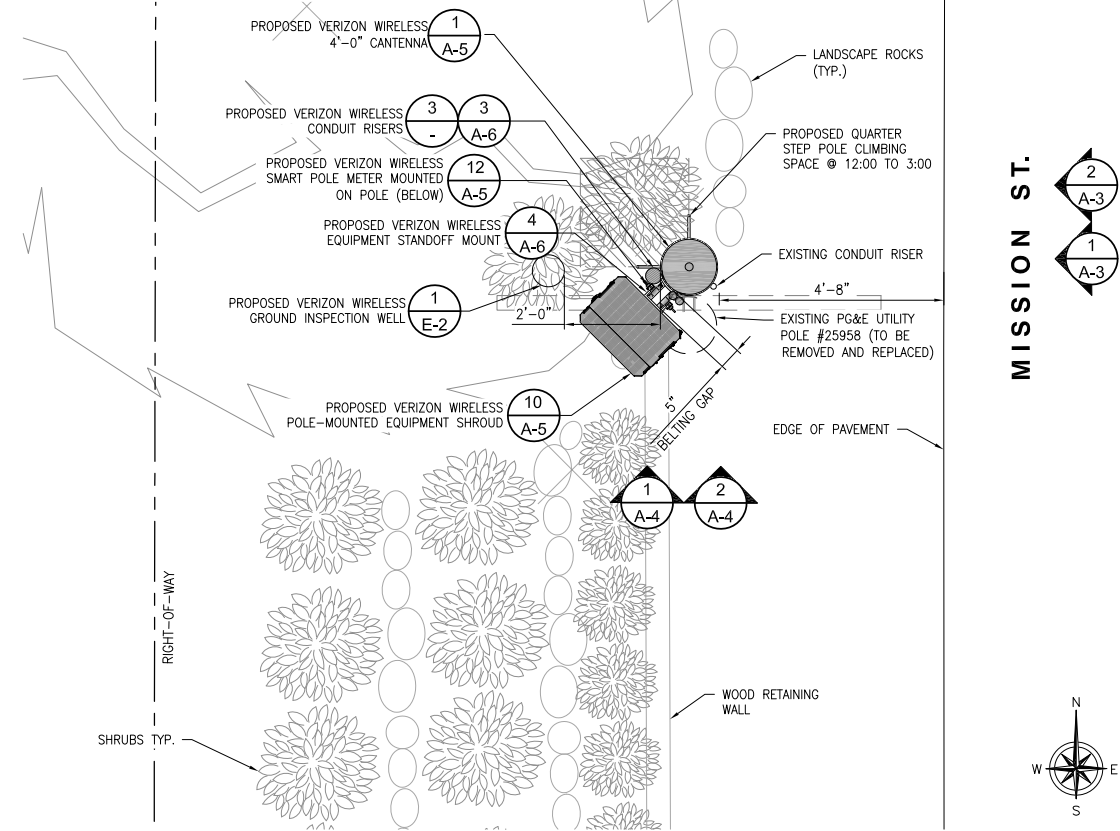
24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"



1

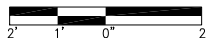
NOTES:

1. THE NEW LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING AND STRUCTURAL ANALYSIS.
2. NEW ANTENNAS, EQUIPMENT, CONDUITS, RISERS & ALL HARDWARE SHALL BE PAINTED DARK BROWN OR EQUIVALENT TO MATCH POLE FOR CONCEALMENT.
3. RF SIGNAGE TO BE PLACED IN CLIMBING AREA AND STREET SIDE PER VZW/FCC STANDARDS.



EQUIPMENT AND ANTENNA LAYOUT

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"



2

EXISTING POLE INFORMATION

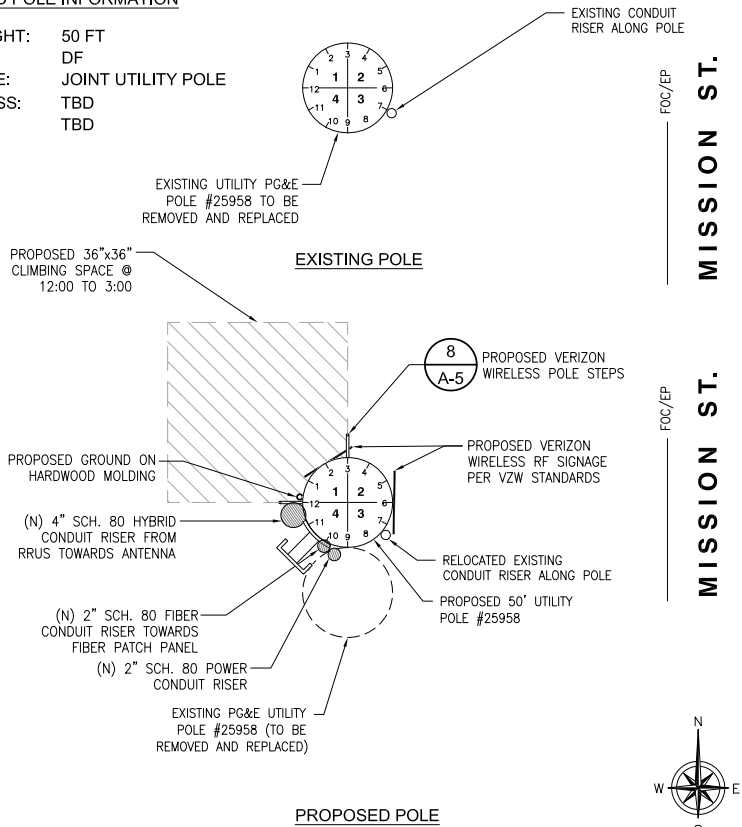
POLE HEIGHT: 40 FT
MATERIAL: DF
POLE CLASS: 5
YEAR SET: 1984

PROPOSED POLE INFORMATION

POLE HEIGHT: 50 FT
MATERIAL: DF
POLE TYPE: JOINT UTILITY POLE
POLE CLASS: TBD
YEAR SET: TBD

MAKE-READY SCOPE:

1. VERIZON TO INSTALL (1) SMART POLE METER ON STANDOFF MOUNT AT 10:30 POSITION.
2. VERIZON TO INSTALL (1) DISTRIBUTION PANEL AND DISCONNECT SWITCH ON STANDOFF MOUNT AT 10:30 POSITION.
3. VERIZON TO INSTALL (1) EQUIPMENT SHROUD ON STANDOFF MOUNT AT 10:30 POSITION.
4. VERIZON TO INSTALL (1) POLE TOP ANTENNA MOUNTING BRACKET
5. VERIZON TO INSTALL (1) 4FT ANTENNA ON TOP OF POLE.
6. VERIZON TO INSTALL 2" SCHEDULE 80 PVC POWER RISER MOUNTED ON CONDUIT STANDOFF AT 9:30 POSITION FROM SERVICE DROP TO METER.
7. VERIZON TO INSTALL 4" SCHEDULE 80 PVC HYBRID RISER MOUNTED ON CONDUIT STANDOFF AT 11:30 POSITION FROM RRUS TO ANTENNA.
8. INSTALL 2" SCHEDULE 80 PVC FIBER RISER MOUNTED ON CONDUIT STANDOFF AT 10:00 POSITION FROM SERVICE DROP TO EQUIPMENT CABINET.
9. VERIZON TO STEP POLE @ 12:00 TO 3:00
10. VERIZON TO PULL, TRANSPORT AND DISPOSE EXISTING POLE.



24"x36" SCALE: NTS
11"x17" SCALE: NTS

3

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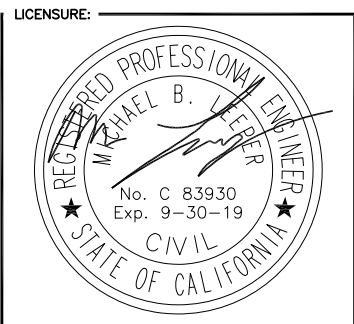
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ISSUED DATE: **MAY 17, 2019**

ISSUED FOR: **100% CD SET**

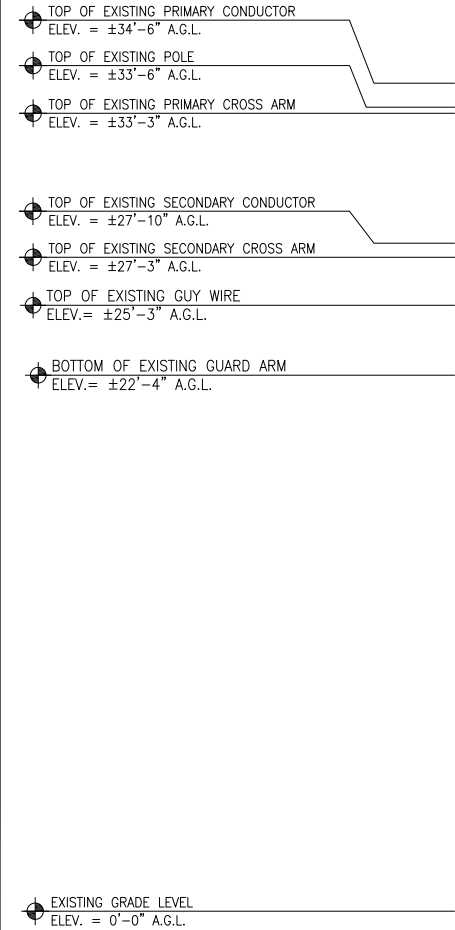


PROJECT INFORMATION:
SOUTH CARMEL 005
LOCATION CODE: 428220
IFO MISSION ST. 2 SW 12TH AVE.,
CARMEL, CA 93923

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CHECKED BY: RGG

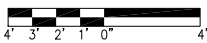
SHEET TITLE: **ENLARGED SITE PLAN
AND EQUIPMENT /
ANTENNA LAYOUT**

SHEET NUMBER: **A-2**

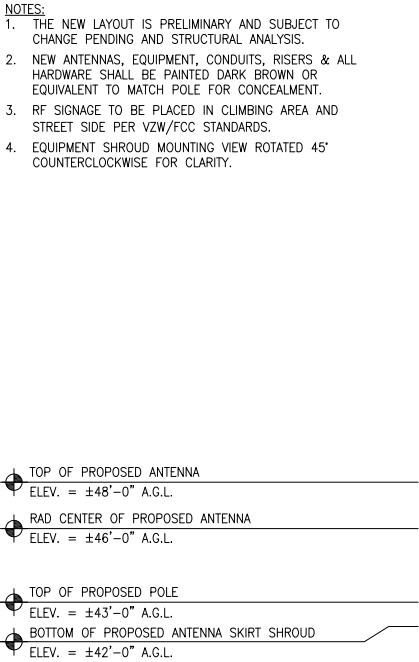


EXISTING EAST ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"

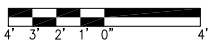


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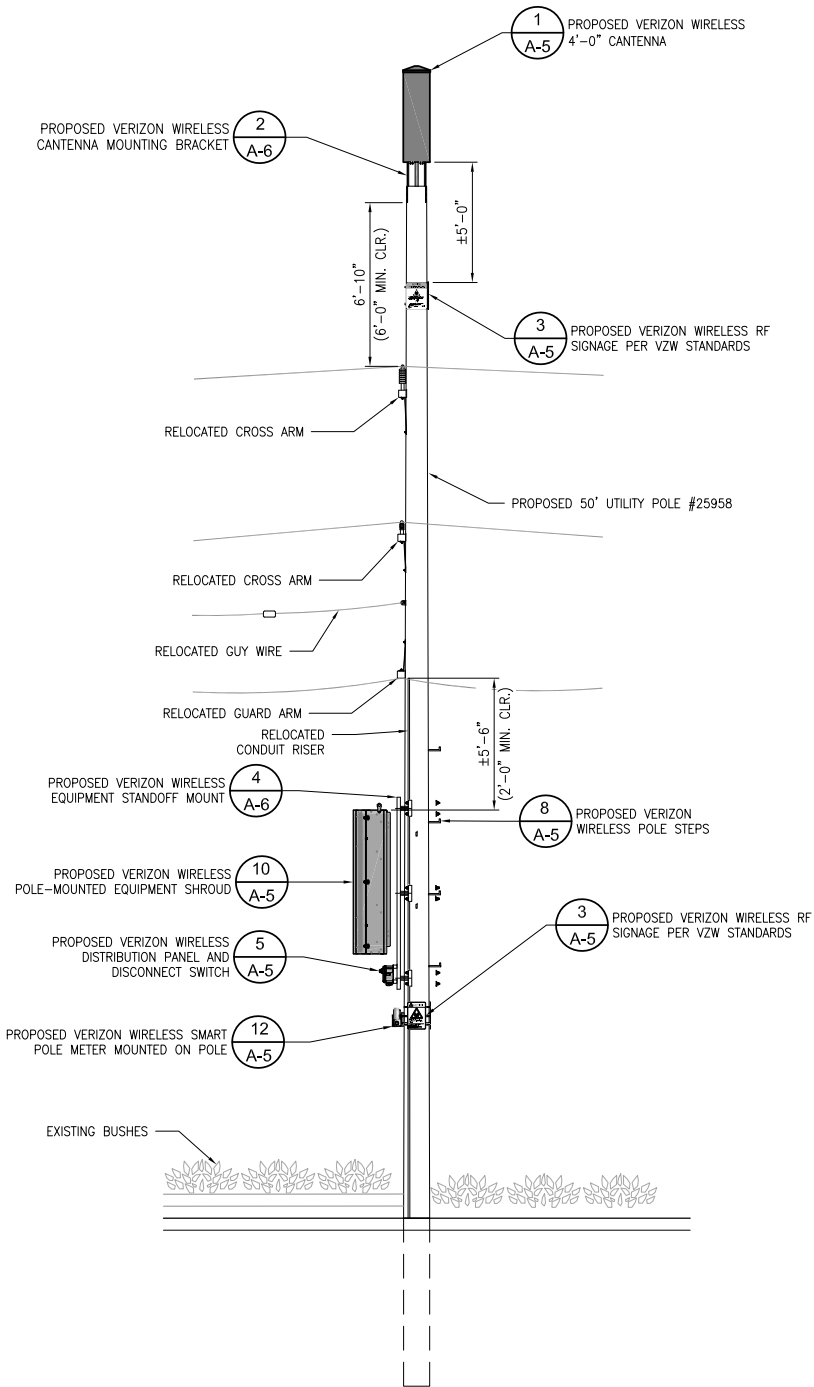


PROPOSED EAST ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



2



- NOTES:
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 - RF SIGNAGE TO BE PLACED IN CLIMBING AREA AND STREET SIDE PER VZW/FCC STANDARDS.
 - EQUIPMENT SHROUD MOUNTING VIEW ROTATED 45° COUNTERCLOCKWISE FOR CLARITY.

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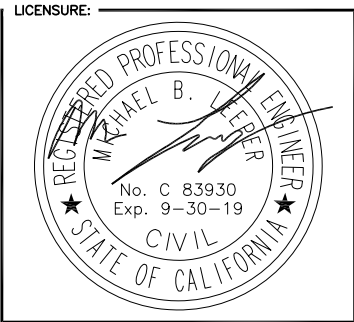
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ISSUED DATE: **MAY 17, 2019**

ISSUED FOR: **100% CD SET**

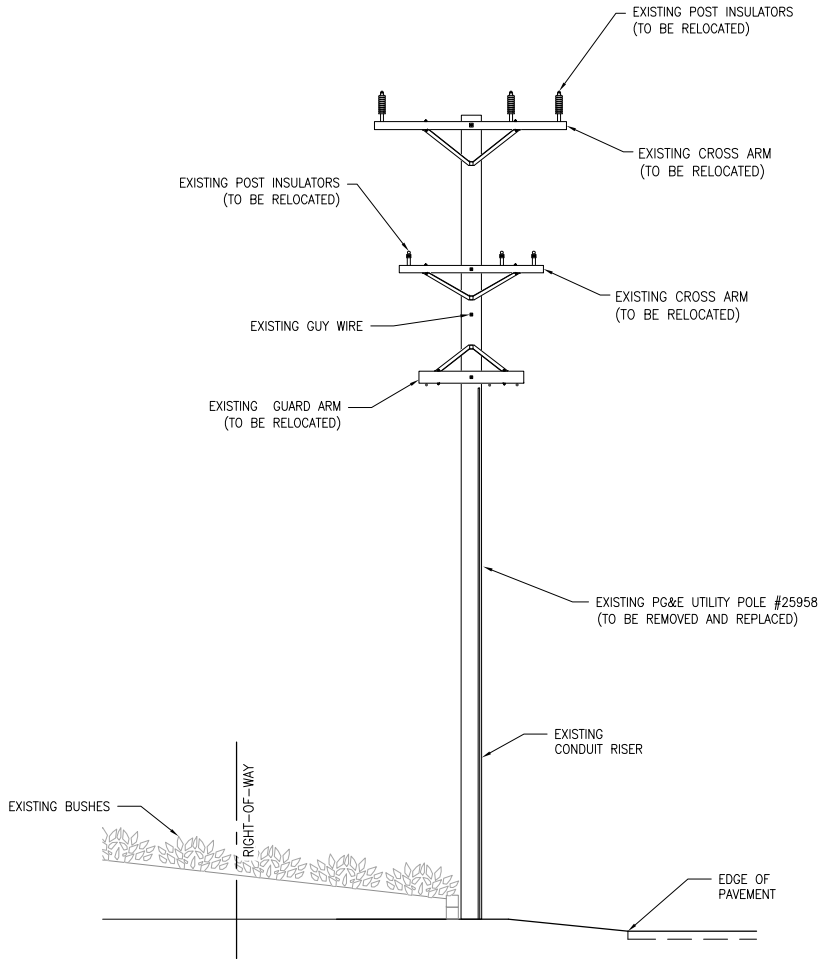
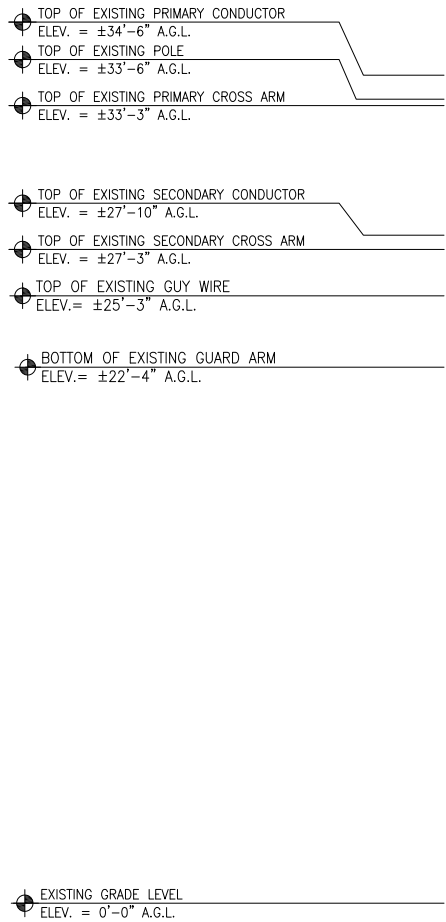


PROJECT INFORMATION: **SOUTH CARMEL 005**
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CARMEL, CA 93923

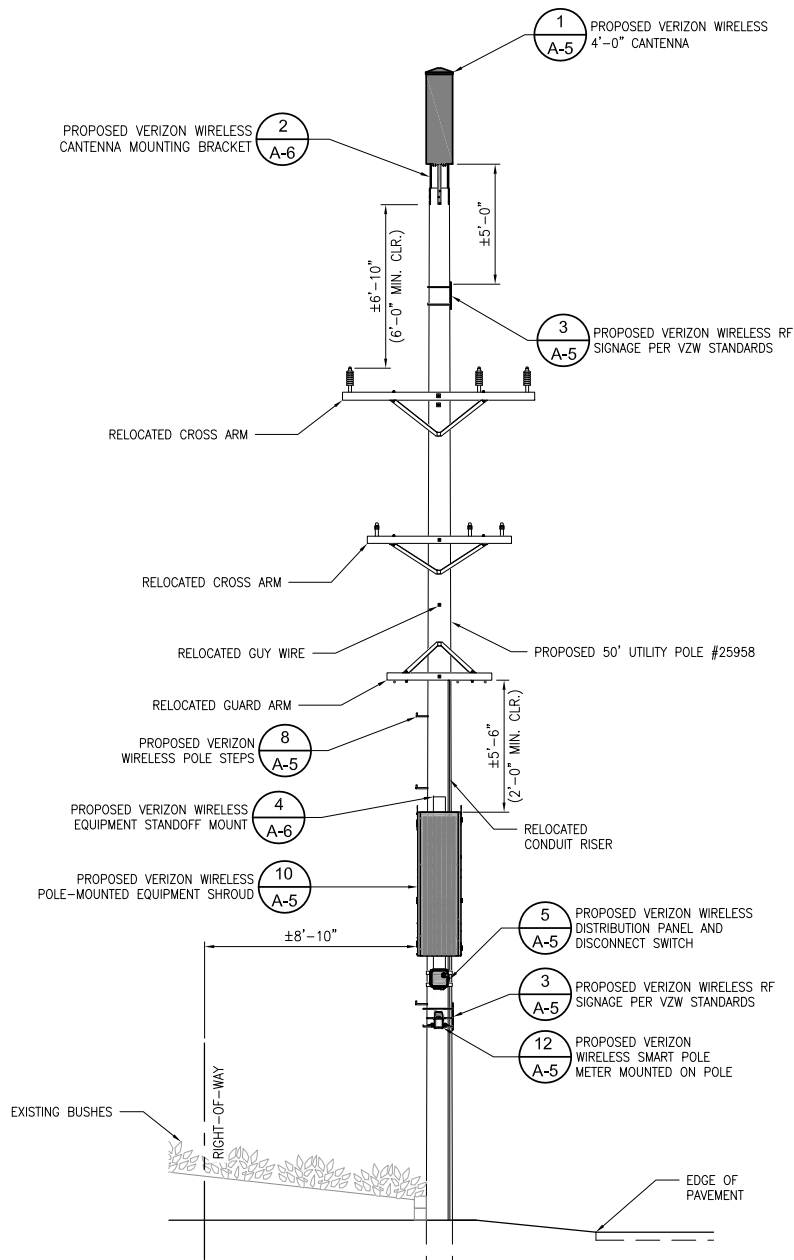
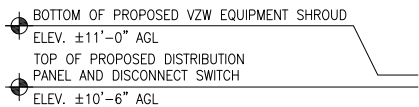
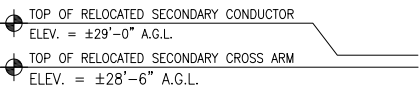
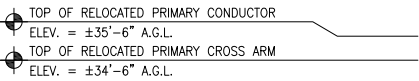
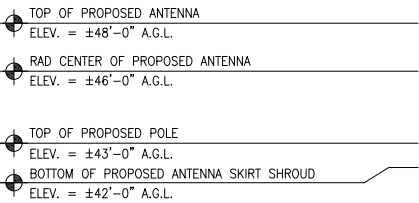
DRAWN BY: **SAC**
CHECKED BY: **RGG**

SHEET TITLE: **ARCHITECTURAL ELEVATIONS**

SHEET NUMBER: **A-3**

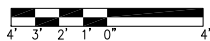


- NOTES:
1. THE NEW LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING AND STRUCTURAL ANALYSIS.
 2. NEW ANTENNAS, EQUIPMENT, CONDUITS, RISERS & ALL HARDWARE SHALL BE PAINTED DARK BROWN OR EQUIVALENT TO MATCH POLE FOR CONCEALMENT.
 3. RF SIGNAGE TO BE PLACED IN CLIMBING AREA AND STREET SIDE PER VZW/FCC STANDARDS.
 4. EQUIPMENT SHROUD MOUNTING VIEW ROTATED 45° COUNTERCLOCKWISE FOR CLARITY.



EXISTING SOUTH ELEVATION

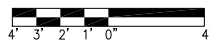
24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



1

PROPOSED SOUTH ELEVATION

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



2

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REV	DATE	DESCRIPTION
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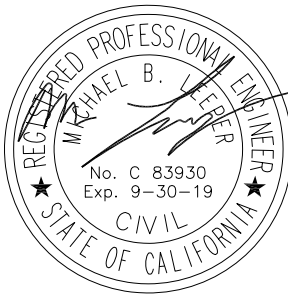
ISSUED DATE:

MAY 17, 2019

ISSUED FOR:

100% CD SET

LICENSURE:



PROJECT INFORMATION:

SOUTH CARMEL 005
LOCATION CODE: 428220
IFO MISSION ST. 2 SW 12TH AVE.,
CARMEL, CA 93923

DRAWN BY:

SAC

CHECKED BY:

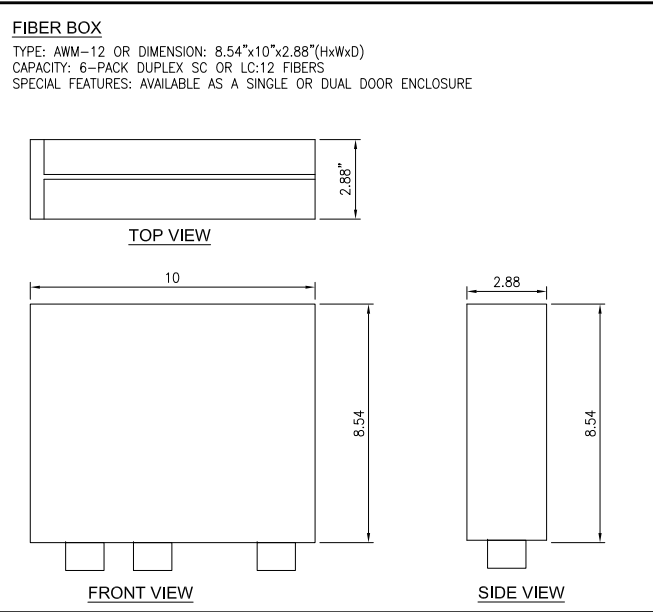
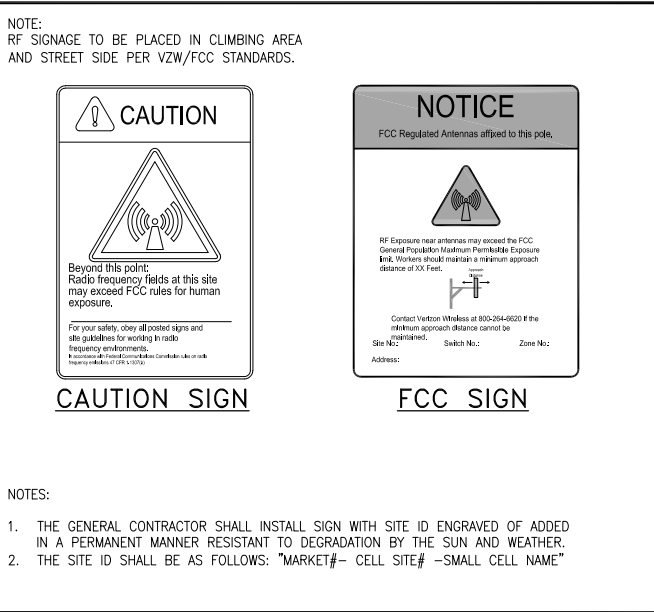
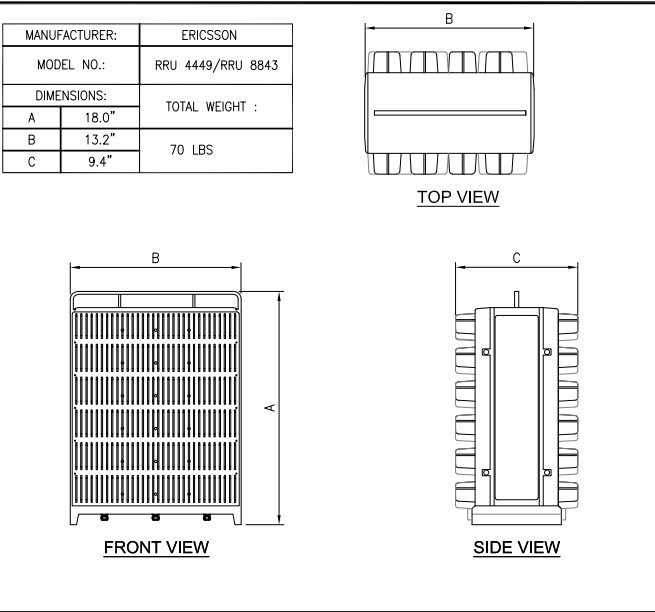
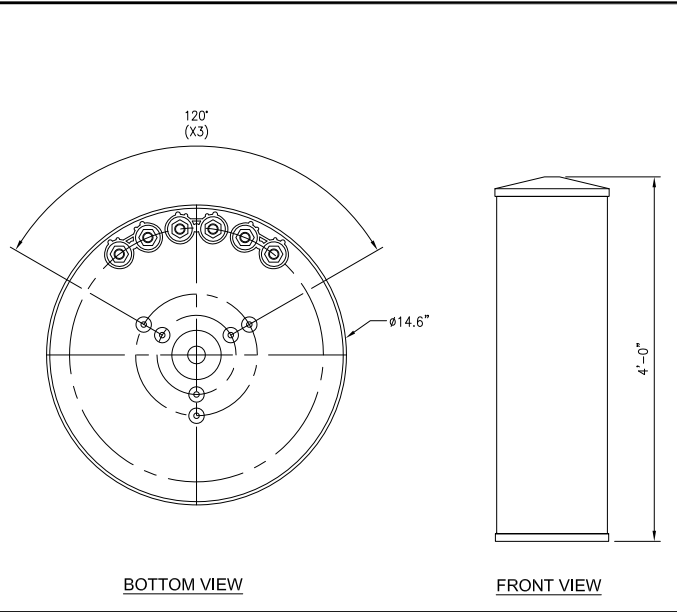
RGG

SHEET TITLE:

ARCHITECTURAL
ELEVATIONS

SHEET NUMBER:

A-4



CYLINDRICAL ANTENNA

24"x36" SCALE: NTS
11"x17" SCALE: NTS

RADIO UNIT (OR APPROVED EQUAL)

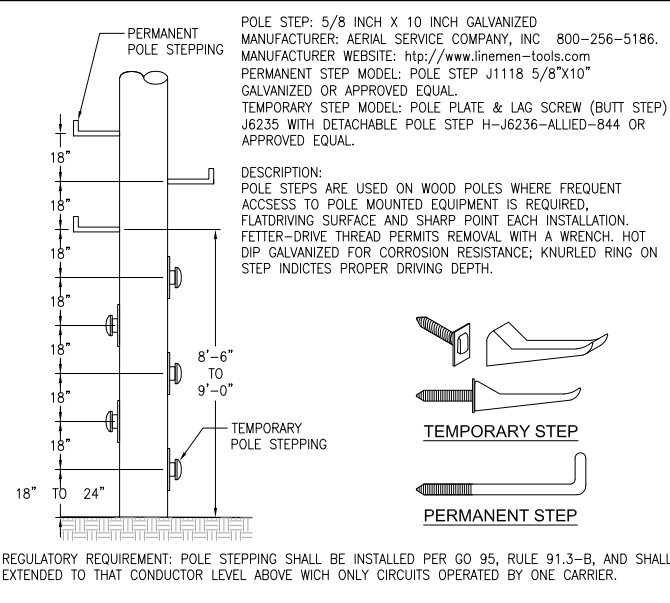
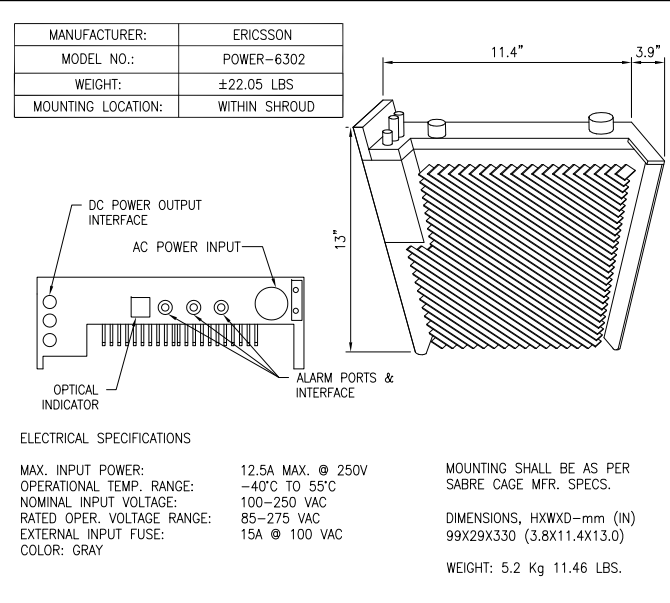
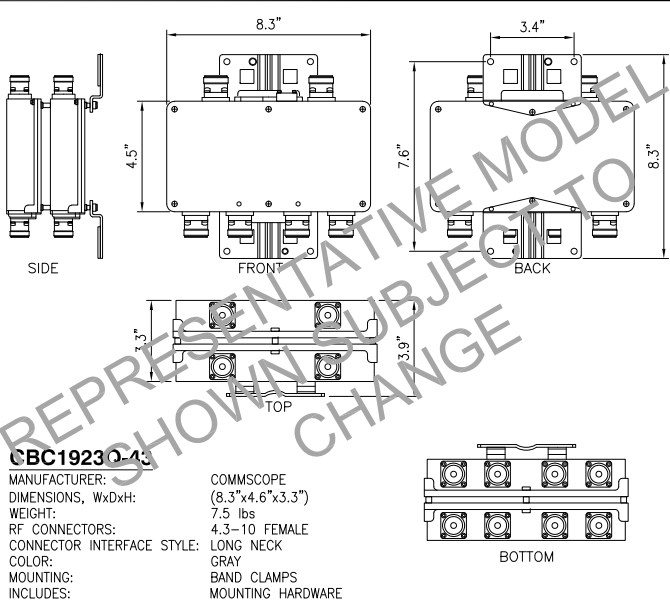
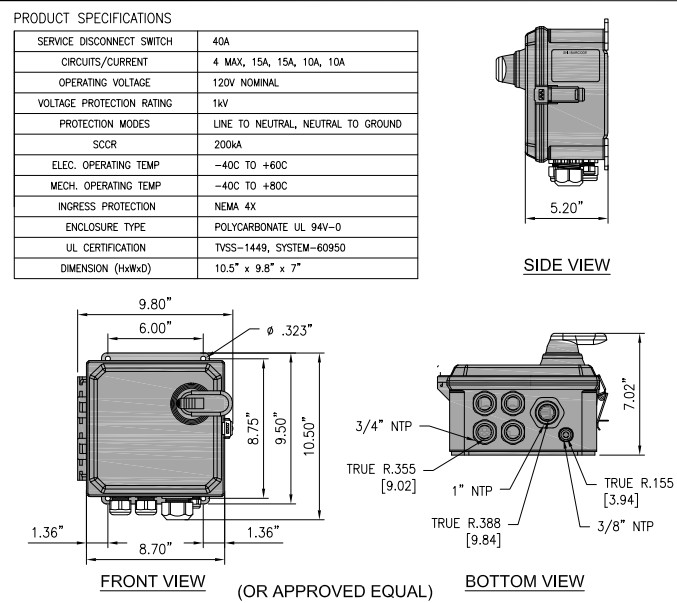
24"x36" SCALE: NTS
11"x17" SCALE: NTS

CAUTION SIGN

24"x36" SCALE: NTS
11"x17" SCALE: NTS

FIBER PATCH (OR APPROVED EQUAL)

24"x36" SCALE: NTS
11"x17" SCALE: NTS



DISTRIBUTION PANEL AND DISCONNECT

24"x36" SCALE: NTS
11"x17" SCALE: NTS

DIPLEXER (OR APPROVED EQUAL)

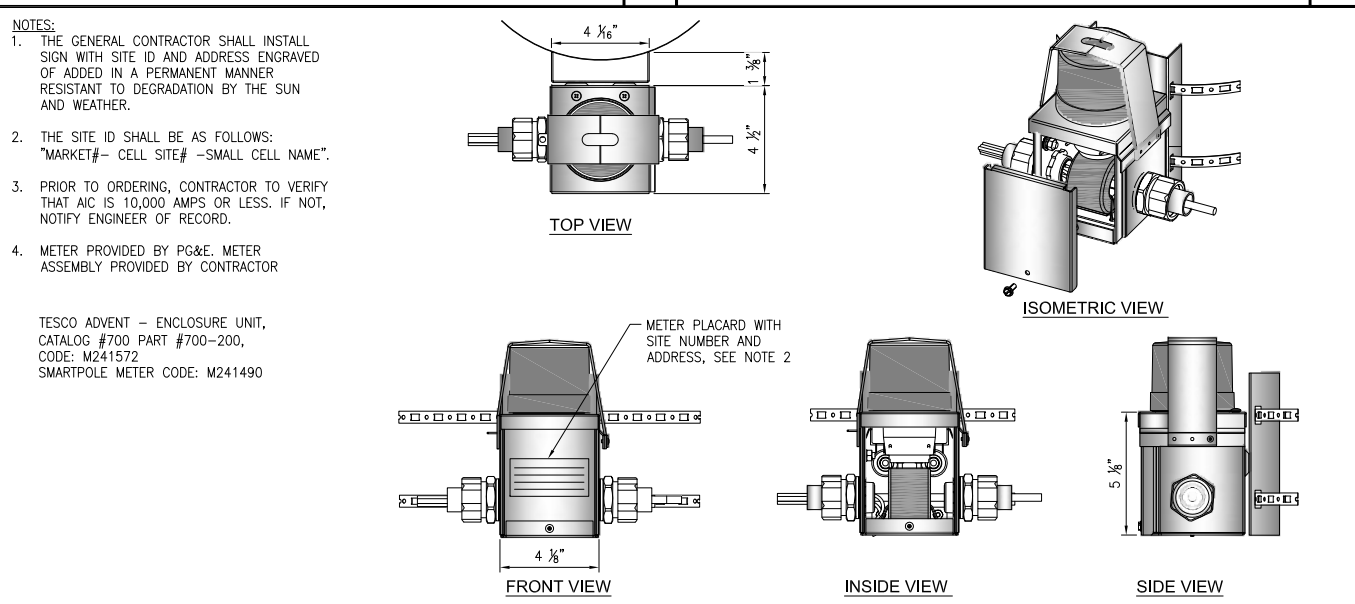
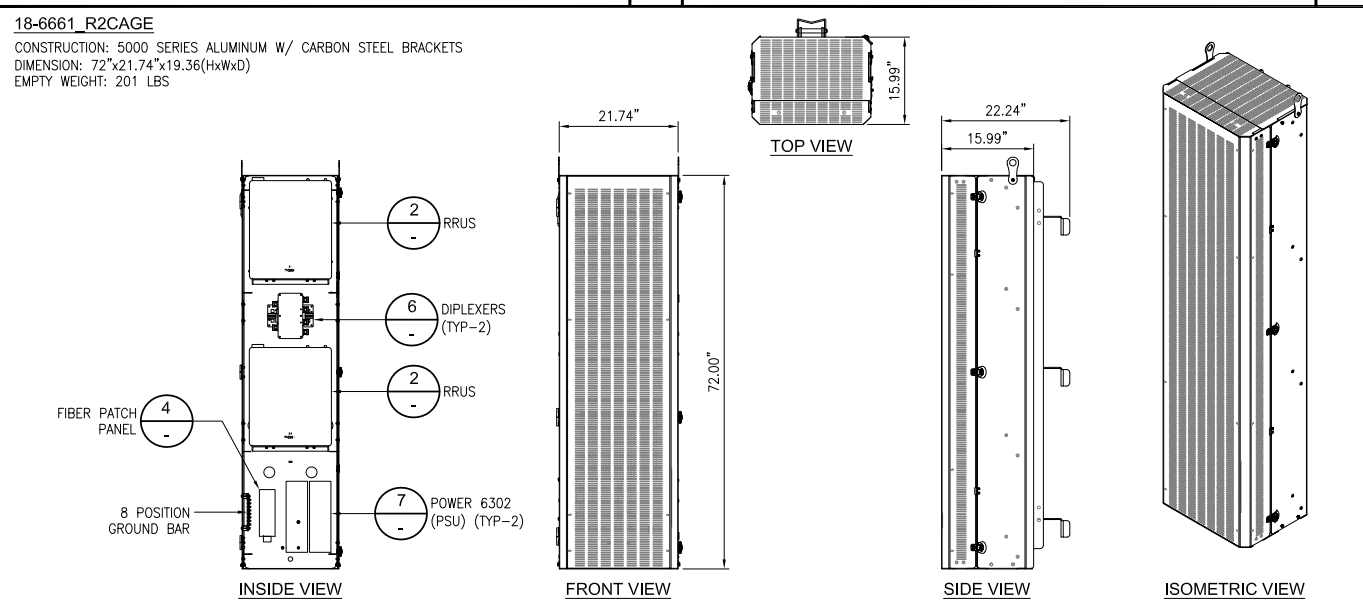
24"x36" SCALE: NTS
11"x17" SCALE: NTS

POWER SUPPLY UNIT (OR APPROVED EQUAL)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

POLE STEP DETAIL

24"x36" SCALE: NTS
11"x17" SCALE: NTS

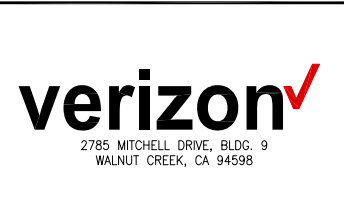


EQUIPMENT SHROUD (OR APPROVED EQUAL)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

SMART POLE METER (OR APPROVED EQUAL)

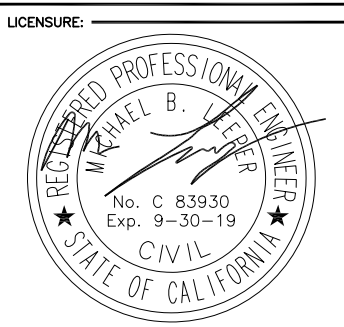
24"x36" SCALE: NTS
11"x17" SCALE: NTS



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ISSUED DATE: MAY 17, 2019

ISSUED FOR: 100% CD SET



PROJECT INFORMATION:

SOUTH CARMEL 005
LOCATION CODE: 428220
IFO MISSION ST. 2 SW 12TH AVE.,
CARMEL, CA 93923

DRAWN BY: SAC
CHECKED BY: RGG

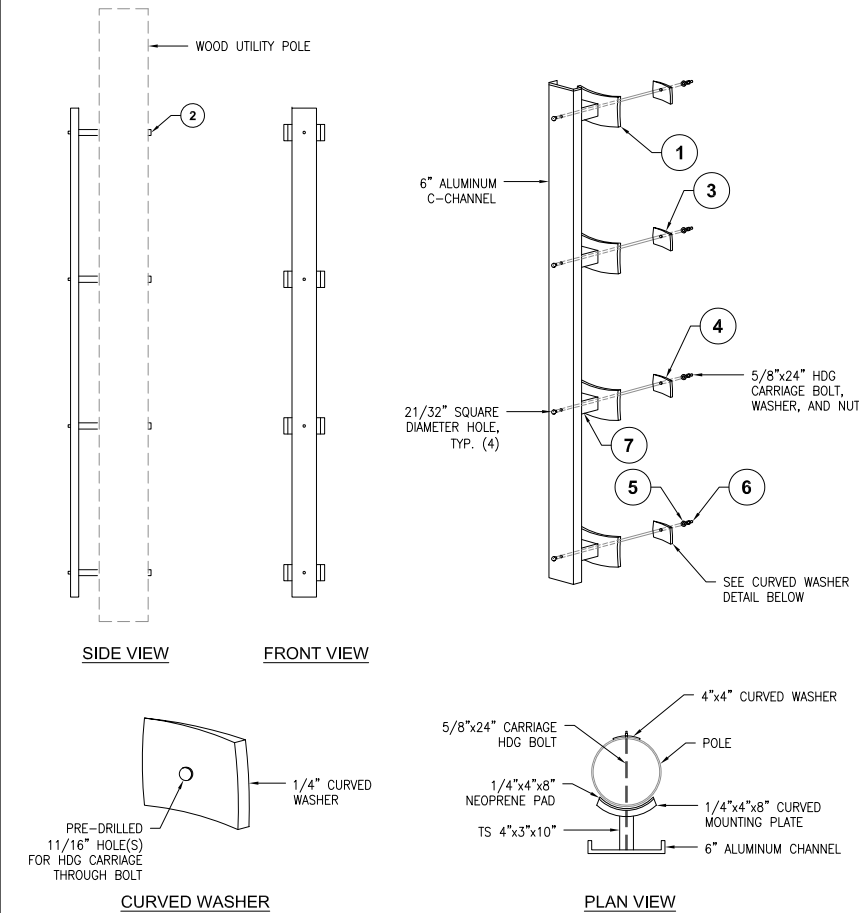
SHEET TITLE: DETAILS

SHEET NUMBER: A-5

ITEM NO.	QTY	DESCRIPTION	SIZE
1	4	HDG CARRIAGE BOLTS	5/8"x24"
2	4	HDG WASHER	5/8"
3	4	HDG NUTS	5/8"
4	4	CURVED WASHERS	1/4"x4"x4"
5	1	ALUMINUM C-CHANNEL	6"x2"x96"L
6	4	NEOPRENE PAD	4"x8"
7	4	TUBE STEEL w/ WELDED 4" x 8" SADDLE	3"x3"x10"L

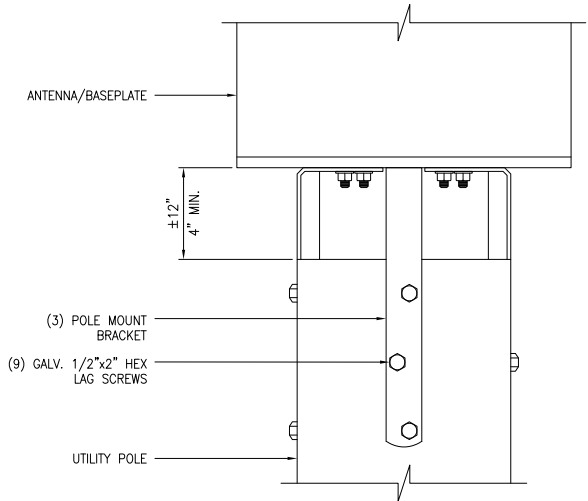
MANUFACTURER: MICRO WIRELESS SOLUTIONS
PART NO: JPAK-EM-100-08

- STEPS FOR ASSEMBLY:
1. PLACE NEOPRENE PADS TO FACE OF 1/4" x 4" x 8" WELDED SADDLE. (4) TOTAL
 2. MEASURE AND DRILL (4) 11/16" HOLES THROUGH POLE
 3. INSTALL TOP CARRIAGE BOLT BY SLIDING THROUGH TOPHOLE AND THROUGH EXISTING WOOD POLE
 4. PLACE CURVED SQUARE WASHER OVER THREADED END
 5. PLACE FLAT WASHER OVER THREADED END
 6. PLACE NUT OVER THREADED END THEN TIGHTEN AS REQUIRED
- * REPEAT PROCESS FOR REMAINING (3) ATTACHMENTS
NOTE: 4" MINIMUM PER G095 REQUIREMENTS



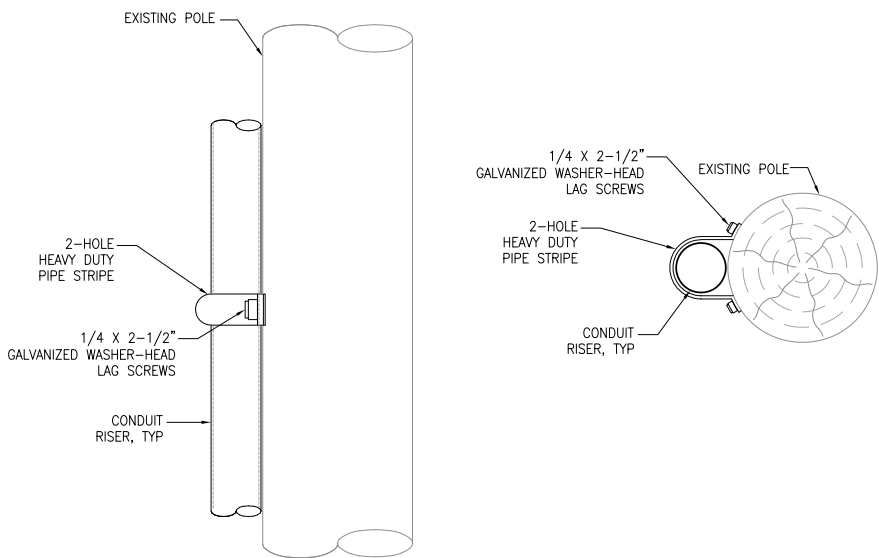
EQUIPMENT STANDOFF (OR APPROVED EQUAL) 24"x36" SCALE: NTS 11"x17" SCALE: NTS 4

NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 7



CANTENNA MOUNTING BRACKET (OR APPROVED EQUAL) 24"x36" SCALE: NTS 11"x17" SCALE: NTS 2

NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 8



CONDUIT ATTACHMENT 24"x36" SCALE: NTS 11"x17" SCALE: NTS 3

NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 9

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

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C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S
A	02/01/2019	90% CD'S SET
REV	DATE	DESCRIPTION

ISSUED DATE: MAY 17, 2019

ISSUED FOR: 100% CD SET

PROJECT INFORMATION:
SOUTH CARMEL 005
LOCATION CODE: 428220
IFO MISSION ST. 2 SW 12TH AVE.,
CARMEL, CA 93923

DRAWN BY: SAC
CHECKED BY: RGG

SHEET TITLE: DETAILS

SHEET NUMBER: A-6

ELECTRICAL NOTES

1. THIS INSTALLATION SHALL COMPLY WITH THE CURRENTLY ADOPTED EDITION OF THE CALIFORNIA ELECTRICAL CODE (CEC), WITH THE UTILITY COMPANY AND LOCAL CODE REQUIREMENTS.
2. POWER, CONTROL AND EQUIPMENT GROUND WIRING IN CONDUIT SHALL BE SINGLE CONDUCTOR (#12 AWG AND LARGER), 600V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED.
3. CUT, COIL AND TAPE A 3 FOOT PITGAL FROM END OF LFMC FOR TERMINATING AT EQUIPMENT, IF REQUIRED.
4. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS OR BELOW GRADE SHALL BE SINGLE CONDUCTOR #2 AWG SOLID, TINNED, COPPER WIRE
5. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP STYLE, COMPRESSION, WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C.
6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMINATED PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (PANELBOARD AND CIRCUIT IDENTIFICATION).
7. ALL CONDUIT RUN ABOVE GROUND OR EXPOSED SHALL BE RIGID STEEL.
8. CABINETS, BOXES AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC AND CEC.
9. PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
10. ALL ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER) SHALL BE BONDED TOGETHER AT OR BELOW GRADE BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE CEC.
11. PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
12. METAL RACEWAY SHALL NOT BE USED AS THE CEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION SIZED IN ACCORDANCE WITH THE CEC SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO EQUIPMENT.
13. EXPOSED GROUND CONNECTIONS SHALL BE MADE WITH COMPRESSION CONNECTORS WHICH ARE THEN BOLTED TO EQUIPMENT USING STAINLESS STEEL HARDWARE. INSTALLATION TORQUE SHALL BE PER MANUFACTURER'S REQUIREMENTS.
14. PROVIDE SUPPORTING DEVICES FOR ALL ELECTRICAL EQUIPMENT, FIXTURES, BOXES, PANEL, ETC., SUPPORT LUMINARIES FROM UNDERSIDE OF STRUCTURAL CEILING, EQUIPMENT SHALL BE BRACED TO WITHSTAND HORIZONTAL FORCES IN ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. PROVIDE PRIOR ALIGNMENT AND LEVELING OF ALL DEVICES AND FIXTURES.

POLE CONSTRUCTION NOTES:

1. METER SHALL NOT FACE THE STREET, ALLEY, OR PROPERTY SIDE OF THE POLE.
2. METER BASE AND DISCONNECT SHALL BE BONDED TO A SEPARATE GROUND FROM THE POLE GROUND WITH CONDUCTOR HAVING A CURRENT CAPACITY THAN NO LESS THAN #6 SOLID COPPER CONDUCTOR.
3. EQUIPMENT CANNOT OVERHANG THE ROADWAY.
4. VERIFY AND RECORD ALL CHANGES AND FOOTAGES IN FIELD ON THE FINAL AS-BUILT DRAWINGS.
5. GROUNDS ARE TO BE TESTED: REQUIRES 5 OHMS OR LESS RESISTANCE.
6. ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION.
7. NOTIFY PROPERTY OWNER BEFORE WORKING ON OR AROUND PRIVATE PROPERTY.
8. OBTAIN SPECIAL PERMITS AND PAY FEES AS REQUIRED WHEN WORKING ON CITY AND COUNTY HIGHWAY SITES.
9. MAINTAIN 36" MINIMUM COVER IN PARKWAY.
10. MAINTAIN 30" MINIMUM COVER BELOW GUTTER GRADE ON SURFACE STREETS.
11. CONDUITS MAY BE MOUNTED DIRECTLY TO THE POLE OR U-GUARD MAY BE USED IF THE POLE IS WITHIN 15' OF A BUCKET TRUCK ACCESSIBLE PAVED ROAD. IF NOT ACCESSIBLE AND THE CONDUIT IS GREATER THAN 1-1/2", THE CONDUIT IS TO BE MOUNTED WITH A STANDOFF BRACKET THAT PROVIDES 7" CLEARANCE FROM THE POLE TO THE CONDUIT.
12. CONTRACTOR TO PROVIDE MOUNTS OR ADDITIONAL HARDWARE IF REQUIRED FOR INSTALLATION OF PROPOSED ANTENNAS.
13. CONDUIT REQUIREMENTS:
UNDERGROUND – SCHEDULE 40 PVC OR BETTER
RISERS – SCHEDULE 80 PVC WITH FIRST 10' ABOVE GROUND LEVEL TO BE RGS FOR PROTECTION PURPOSES. ALL CONDUITS WILL BE MANDRELED AND EQUIPPED WITH 3/8" PULL ROPE AND MEASURE TAPE IF REQUIRED.

GROUNDING NOTES

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION SHALL BE ACCORDING TO SITE CONDITIONS.
2. ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
3. GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
4. ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: MECHANICAL/ CONNECTIONS U.N.O.
5. INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
6. ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
7. ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED SO THAT IT WILL BY-PASS MAIN BUSS BAR.
8. USE SEPARATE HOLES FOR GROUNDING AT BUSS BAR. NO "DOUBLE-UP" OR BACK TO BACK LUGS.
9. NO LB'S ALLOWED ON GROUNDING.
10. PROVIDE STAINLESS STEEL CLAMP AND BRASS TAGS ON ANY COAX AT ANTENNAS AND RADIOS.
11. ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE CALIFORNIA ELECTRICAL CODE (CEC).
12. EXOTHERMIC WELDING IS REQUIRED FOR GROUNDING BELOW GRADE CONNECTIONS WHERE PRACTICAL.
13. MECHANICAL, ABOVE GRADE CONNECTIONS MAY BE MADE USING COMPRESSION TYPE-2 HOLES. LONG BARREL LUGS OR DOUBLE CRIMP CLAMP "C" CLAMP. THE COPPER CABLES SHALL BE COATED WITH ANTIOXIDANT (COPPER SHIELD) BEFORE MAKING THE CONNECTIONS. THE MANUFACTURER'S TORQUE RECOMMENDATIONS ON THE BOLT ASSEMBLY TO SECURE CONNECTIONS SHALL BE FOLLOWED. ALL TWO HOLE LONG BARREL LUGS SHALL HAVE VIEW PORTS TO ENSURE PROPER INSTALLATION.
14. PROVIDE PVC SLEEVES FOR GROUNDING CONDUCTORS AS NEEDED.
15. GROUND ANTENNA BASES, FRAMES, CABLE RACKS AND OTHER METALLIC COMPONENTS WITH #2 GROUNDING CONDUCTORS AND CONNECT TO INSULATED SURFACE MOUNTED GROUND BARS. CONNECTION DETAILS SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS FOR GROUNDING.
16. PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
17. SURFACES TO BE CONNECTED TO GROUND CONDUCTORS SHALL BE CLEANED TO A BRIGHT SURFACE AT ALL CONNECTIONS.
18. GROUND REQUIREMENTS:
5/8" SS, COPPER CLAD GROUNDING ROD-10' LENGTH
GROUND TESTED AT 5 OHMS OR LESS
#2 GROUND WIRE, SOLID, TINNED
HARDWOOD MOLDING, STAPLED TO POLE EVERY 2'-0" AND AT EACH END
GROUND RODS MUST BE 24" FROM POLE AND THE TOP OF ROD MUST BE BELOW GRADE LEVEL PER PLAN DETAILS.

LEGEND SYMBOLS:

- — —

GROUNDING WIRE, DASHED LINE INDICATES UNDERGROUND
- AC —

AC POWER LINE, DASHED INDICATES UNDERGROUND
- DC —

DC POWER LINE, DASHED INDICATES UNDERGROUND
- T —

TELEPHONE LINE, DASHED LINE INDICATES UNDERGROUND
- A —

COAXIAL CABLE, DASHED LINE INDICATES UNDERGROUND
- F —

FIBER CABLE, DASHED LINE INDICATES UNDERGROUND
- 2
E3

DETAIL REFERENCE DETAIL NO. 2 ON SHEET E3
- ⊗

GROUND ROD
- ⊗

GROUND ROD WITH ACCESS
- UTILITY METER
- CIRCUIT BREAKER
- FUSE
- DUPLEX RECEPTACLE WITH GFCI IN WEATHERPROOF ENCLOSURE
- CLAMP OR DOUBLE HOLE LUG TYPE GROUND CONNECTION
- EXOTHERMIC CONNECTION TO GROUND RING
- DISCONNECT SWITCH

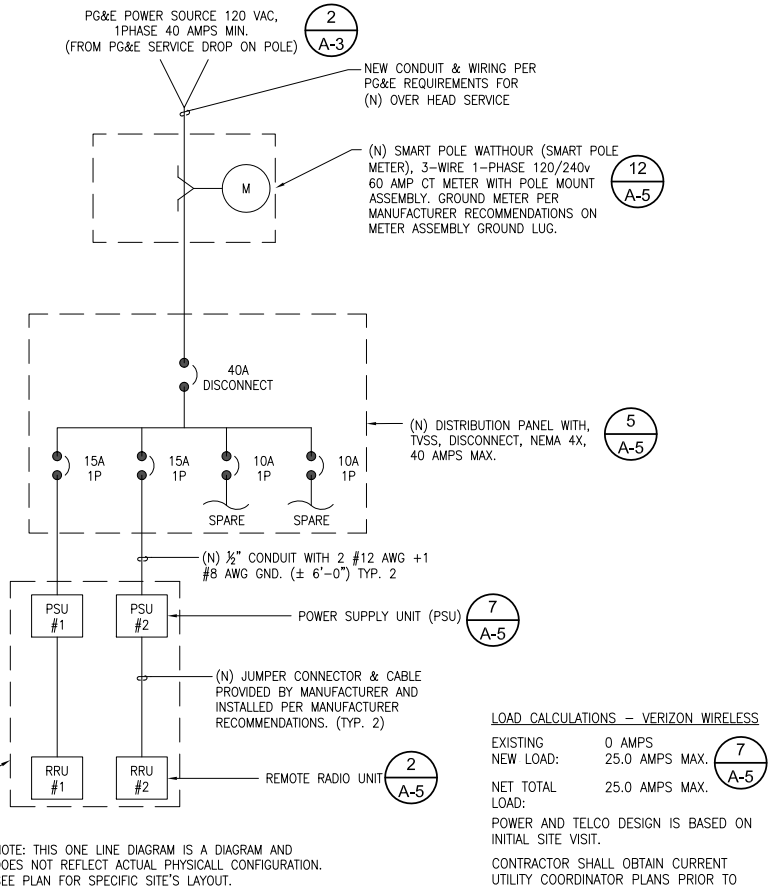
NOTES:

1. ALL CONDUIT ROUTING IS SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT IMPEDED.
2. CONDUIT SIZES INDICATED ON THE DRAWINGS ARE NOT NECESSARILY BASED ON THE MINIMUM SIZE ALLOWED BY THE CEC AND MAY BE PURPOSELY OVERSIZED FOR FUTURE CONDUCTORS OR TO AVOID CONDUCTOR HEATING. CONDUIT SIZES NOT CALLED OUT ON THE DRAWINGS SHALL BE SIZED BY THE CONTRACTOR, BASED ON THE ACTUAL NUMBER OF CONDUCTORS TO BE INSTALLED, USING THE CEC AS A GUIDE. IN NO CASE SHALL CONDUIT SIZES BE SMALLER THAN 1/2" DIAMETER.
3. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULLBOXES REQUIRED FOR THE INSTALLATION OF ELECTRICAL DEVICES AND EQUIPMENT, WHETHER OR NOT SPECIFICALLY INDICATED ON THE PLANS. SIZING OF THESE BOXES SHALL BE PER THE CEC.
4. ALL ELECTRICAL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
5. UTILITY ELECTRICAL SERVICE WILL BE 120/240 VOLTS OR 120/208 VOLTS, SINGLE PHASE, MIN. 30 AMPS CAPACITY. SEE PLANS FOR DETAILS.
6. PROJECT CONDITIONS MAY REQUIRE REARRANGEMENT OF ELECTRICAL WORK, THE SUBCONTRACTOR SHALL INDICATE SUCH CHANGES ON THE AS-BUILT DRAWINGS, WHERE CHANGES REQUIRE ALTERNATE METHODS TO THOSE SPECIFIED IN THE PLANS, THE SUBCONTRACTOR SHALL REQUEST APPROVAL, AND SHALL NOT PROCEED UNTIL APPROVAL IS OBTAINED.
7. CONTRACTOR SHALL PAINT ALL EXPOSED EXTERIOR CONDUITS AND JUNCTION BOXES TO MATCH EXISTING FINISH ON WHICH THEY ARE ATTACHED.
8. FIBER TRUNKS AND/OR BACKHAUL LENGTHS AND ROUTES ARE NOT VERIFIED DURING THE SITE WALK. CONTRACTOR TO VERIFY ACTUAL ROUTE AND TRUNK LENGTH DURING PRE-CONSTRUCTION WALK.
9. 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.
10. CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT, PULL WIRES, CABLE PULL BOXES, CONCRETE ENCASEMENT OF CONDUIT, TRANSFORMER PAD, BARRIERS, POLE RISER TRENCHING, BACK FILL, AND UTILITY FEES, AND INCLUDE REQUIREMENTS IN SCOPE.
11. TEST ALL ELECTRICAL & GROUNDING SYSTEMS (CONTINUITY, MEGGER, ETC.) UPON COMPLETION OF INSTALLATION PRIOR TO FINALIZING WORK.
12. CONTRACTOR TO VERIFY ALL CONDUIT ROUTING FOR, (N) VZW METER AND (N) GROUND ROD LOCATION WITH LANDLORD AND UTILITY COORDINATOR IN FIELD.
13. CONDUIT REQUIREMENTS (TYP., U.N.O.): UNDERGROUND: PVC (SCHED. 40 OR 80). INDOOR: EMT (RGS IN TRAFFIC AREAS). OUTDOOR: (ABOVE GRADE) RGS.
14. PROVIDE A MIN. 36" WORK CLEARANCE IN FRONT OF PANELS/ ELECTRICAL EQUIPMENT.

BREAKER LEGEND			
CIRCUIT #	DESCRIPTION	ACB /	#POLES
1	PSU #1	15A 1P	10A 2P
2	PSU #2	15A 1P	10A 2P
3	SPARE	10A 1P	—
4	SPARE	10A 1P	—

10
A-5

(N) POLE-MOUNTED EQUIPMENT SHROUD



SINGLE LINE DIAGRAM

24"x36" SCALE: NTS
11"x17" SCALE: NTS

1

NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

2

verizon

2785 MITCHELL DRIVE, BLDG. 9
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SEQUOIA

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C	05/17/2019	SETBACK ADDED
B	03/08/2019	100% CD'S
A	02/01/2019	90% CD'S SET
REV	DATE	DESCRIPTION

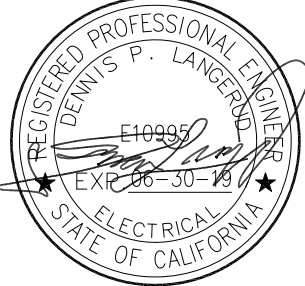
ISSUED DATE:

MAY 17, 2019

ISSUED FOR:

100% CD SET

LICENSURE:



PROJECT INFORMATION:

SOUTH CARMEL 005

LOCATION CODE: 428220

IFO MISSION ST. 2 SW 12TH AVE.,
CARMEL, CA 93923

DRAWN BY: SAC

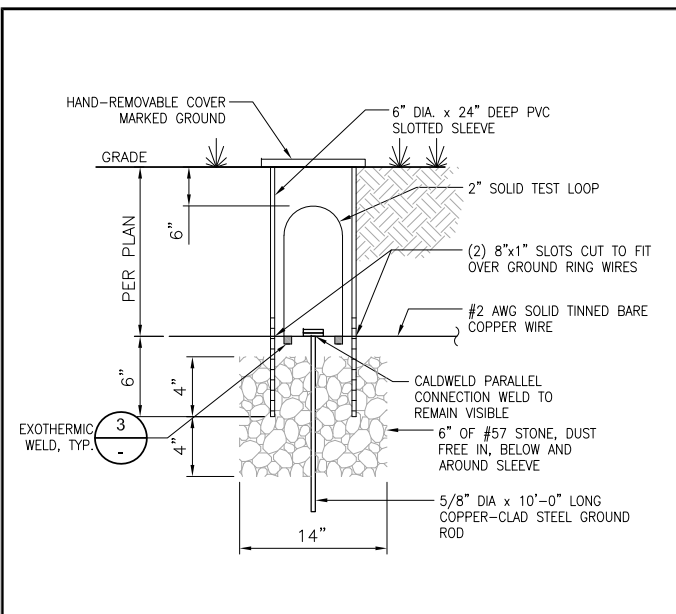
CHECKED BY: RGG

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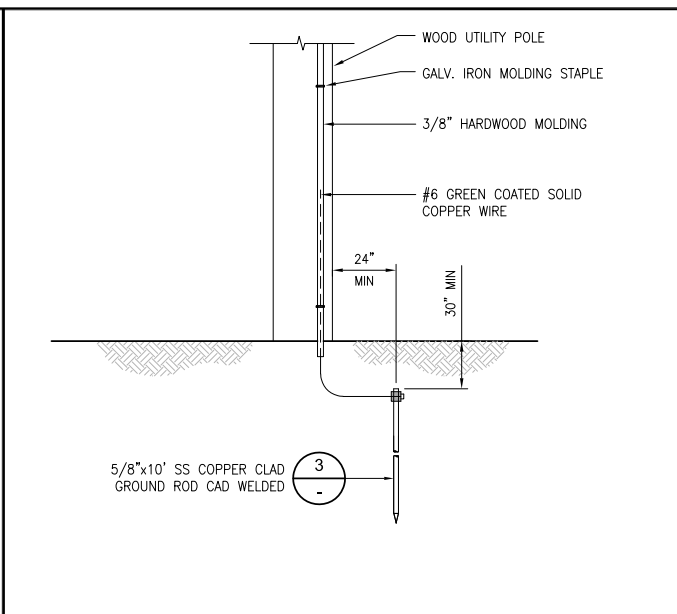
ELECTRICAL NOTES AND
SINGLE LINE DIAGRAM

SHEET NUMBER:

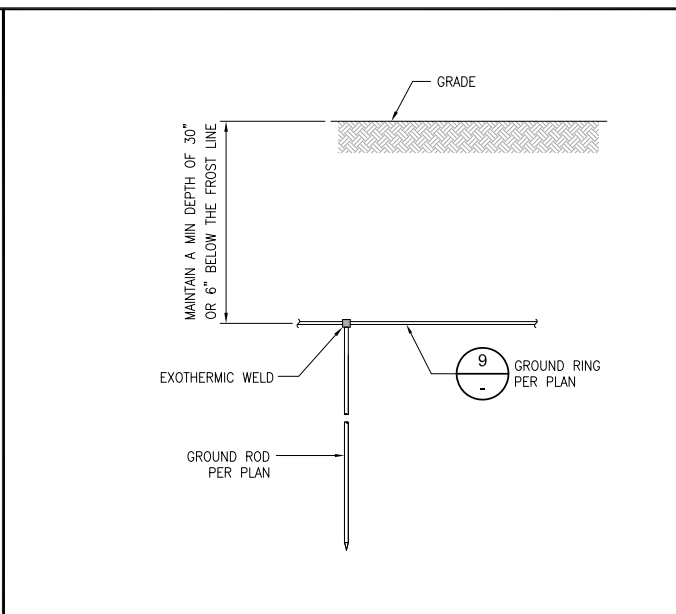
E-1



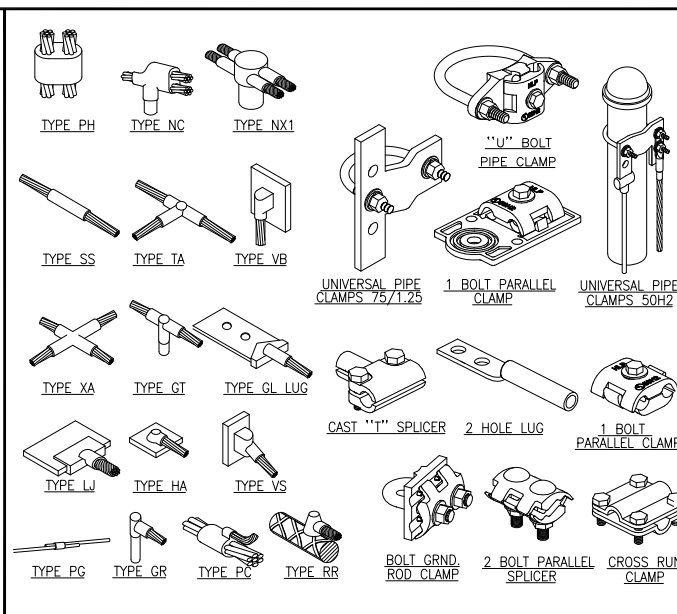
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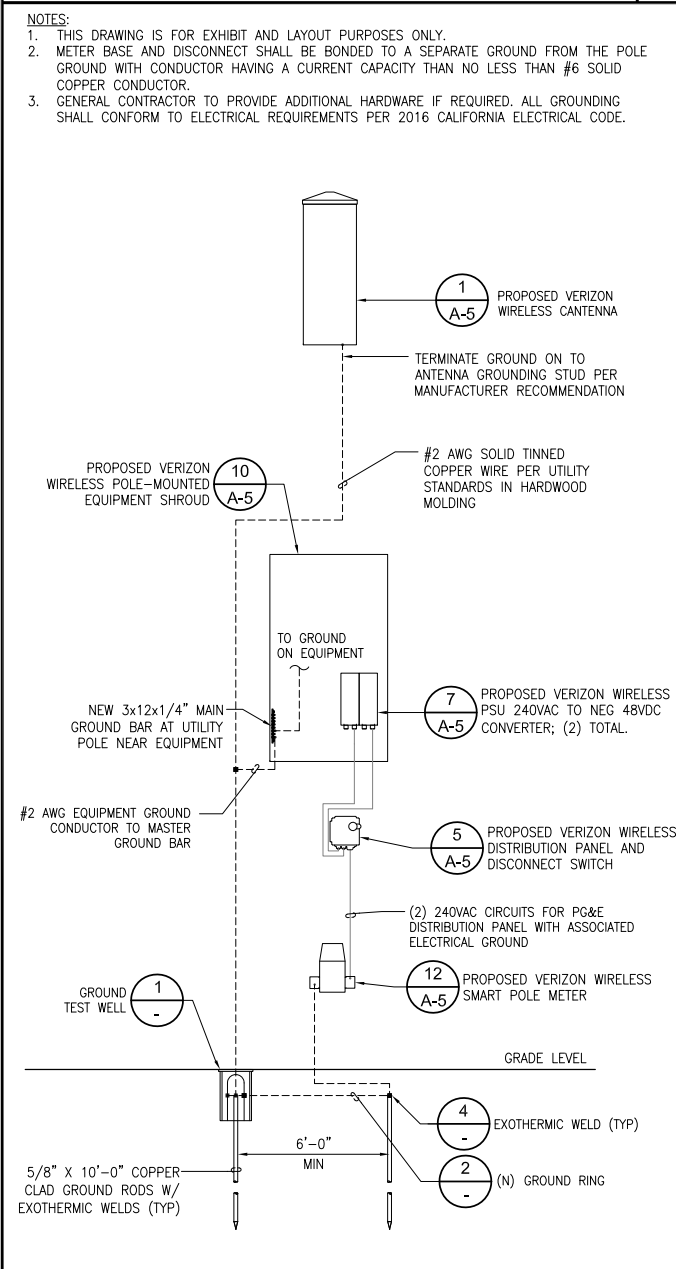
POLE GROUNDING	24"x36" SCALE: NTS 11"x17" SCALE: NTS	2
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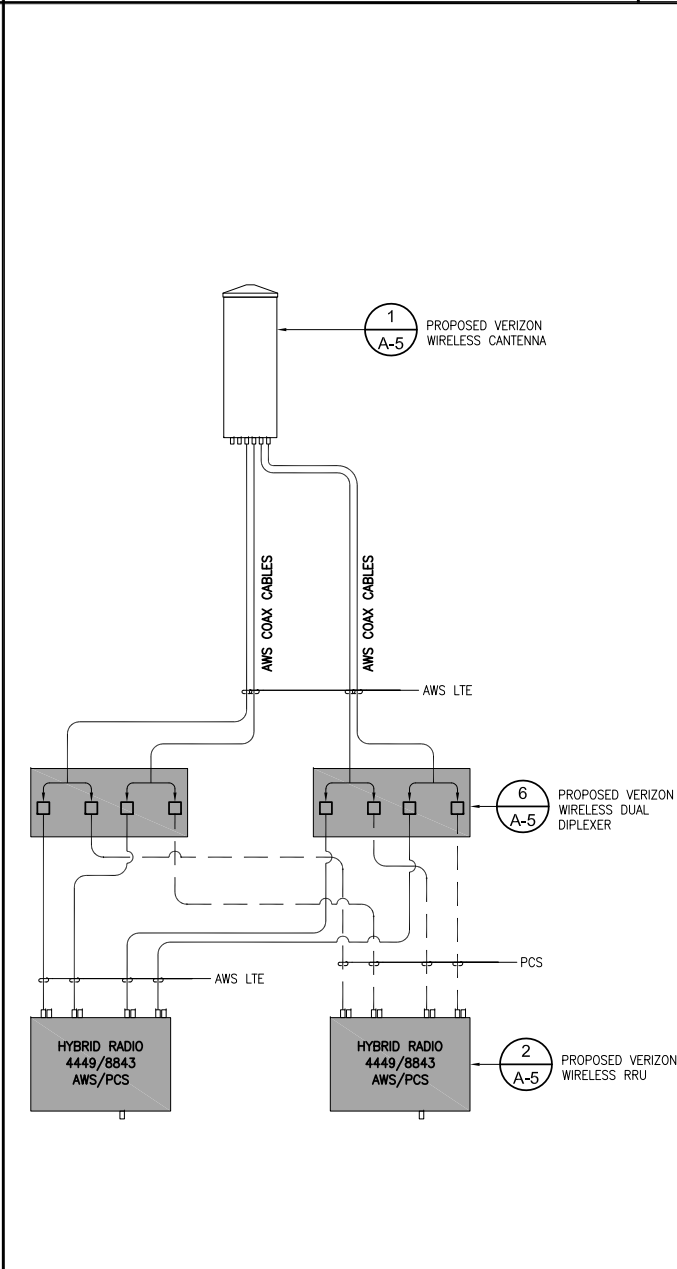
GROUND ROD/RING	24"x36" SCALE: NTS 11"x17" SCALE: NTS	3
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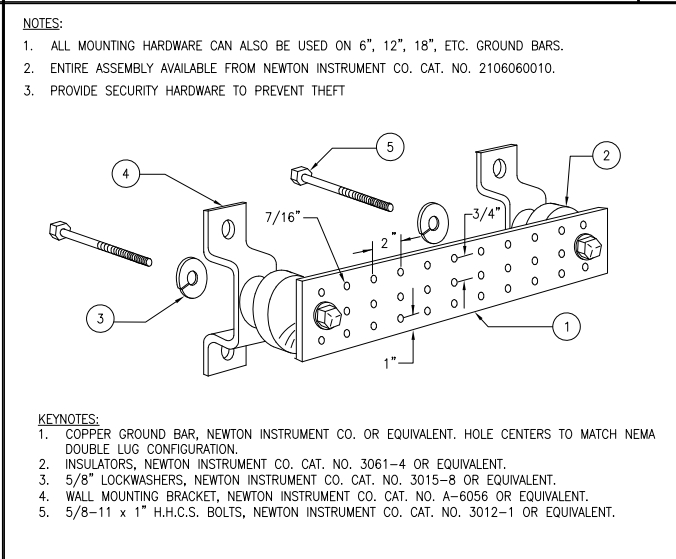
TYPICAL GROUNDING CONNECTIONS 24"x36" SCALE: NTS 11"x17" SCALE: NTS **4**



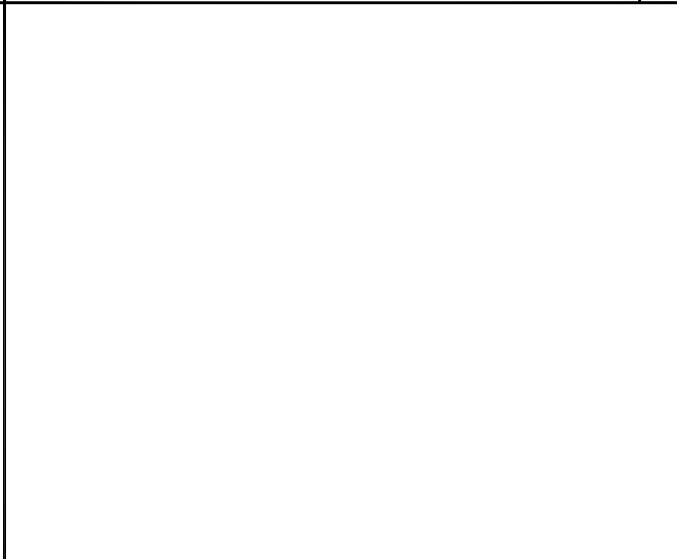
GROUNDING SCHEMATIC	24"x36" SCALE: NTS 11"x17" SCALE: NTS	9
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PLUMBING DIAGRAM	24"x36" SCALE: NTS 11"x17" SCALE: NTS	10
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GROUND BUSS BAR	24"x36" SCALE: NTS 11"x17" SCALE: NTS	7
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NOT USED	24"x36" SCALE: NTS 11"x17" SCALE: NTS	8
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NOT USED	24"x36" SCALE: NTS 11"x17" SCALE: NTS	11
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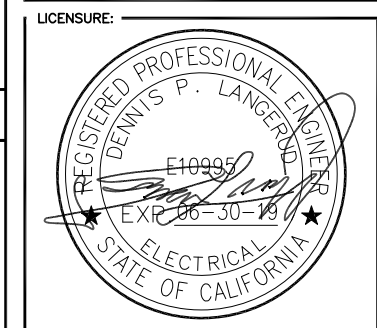
NOT USED	24"x36" SCALE: NTS 11"x17" SCALE: NTS	12
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C	05/17/2019	SETBACK ADDED
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A	02/01/2019	90% CD'S SET
REV	DATE	DESCRIPTION

ISSUED DATE: MAY 17, 2019

ISSUED FOR: 100% CD SET



PROJECT INFORMATION: _____

SOUTH CARMEL 005

LOCATION CODE: 428220

I/O MISSION ST. 2 SW 12TH AVE.,
CARMEL, CA 93923

DRAWN BY:	SAC
CHECKED BY:	RGG

SHEET TITLE: _____

ELECTRICAL AND
GROUNDING DETAILS

SHEET NUMBER: **E-2**