

# CRAN\_RSFR\_PEBBL 005

(NEAR) 3180 CORTEZ RD PEBBLE BEACH, CA 93953

SITE ID: CRAN\_RSFR\_PEBBL\_005

IWM: WSSFR0048236 FA CODE: 16364869

SITE TYPE: WOODEN PG&E UTILITY POLE

POLE #: TBD

COUNTY: MONTEREY

# **PROJECT TEAM**

5005 EXECUTIVE PARKWAY SAN RAMON, CA 94583 CONTACT: MARC GRABISCH EMAIL: MG387K@ATT.COM

### AT&T MOBILITY PROJECT MANAGER: AT&T MOBILITY

5005 EXECUTIVE PARKWAY SAN RAMON, CA 94583 CONTACT: SEAN RANDALL EMAIL: SR9530@ATT.COM

SAN RAMON, CA 94583 **CONTACT: HENRY PINEDA** EMAIL: HP088P@ATT.COM

1355 WINDWARD CONCOURSE, SUITE 410 ALPHARETTA, GA 30005 PHONE: (707) 225-2865 EMAIL: JUSTIN.GIARRITTA@NEXTEDGENETWORKS.COM

## **A&E PROJECT MANAGER:**

1355 WINDWARD CONCOURSE, SUITE 410 ALPHARETTA, GA 30005 PHONE: (530) 305-6898 EMAIL: TODD.LAWRENCE@NEXTEDGENETWORKS.COM

1355 WINDWARD CONCOURSE, SUITE 410 ALPHARETTA, GA 30005 PHONE: (415) 989.1102

# PROJECT DESCRIPTION

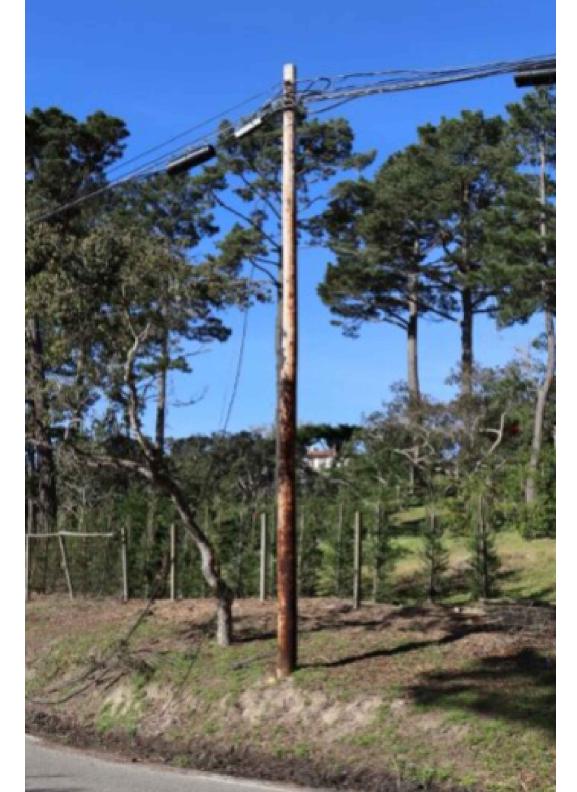
AT&T PROPOSES TO INSTALL A NEW WIRELESS COMMUNICATION SITE ON A WOODEN UTILITY POLE.

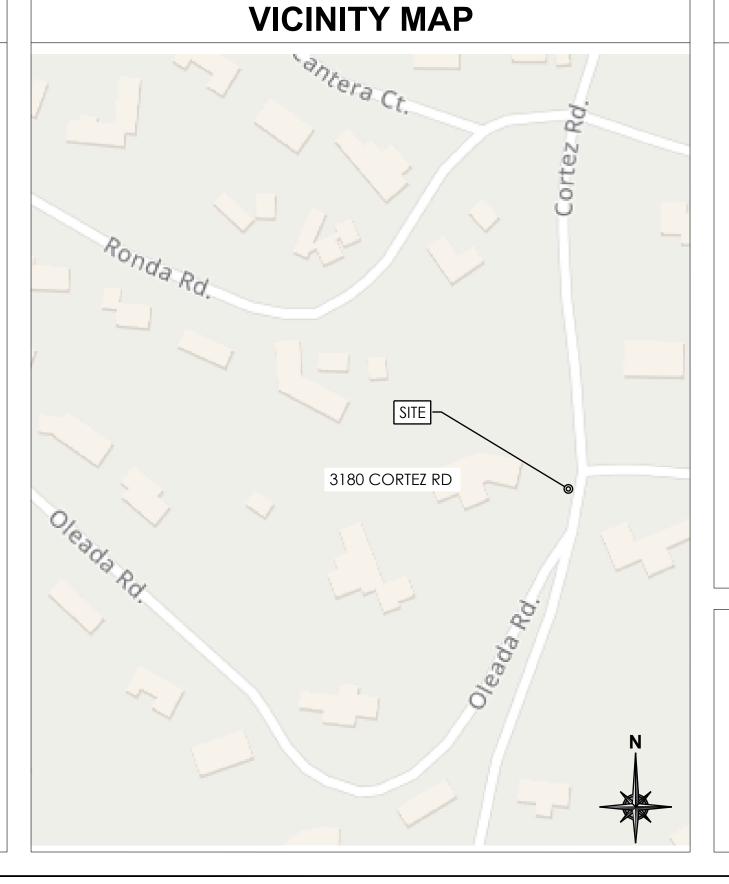
- REMOVE AND REPLACE EXISTING WOODEN UTILITY POLE WITH NEW WOODEN UTILITY POLE
- INSTALL (1) NEW 2' CANISTER ANTENNA ON TOP OF WOODEN UTILITY POLE
- INSTALL (1) NEW RADIO 4490, (1) RADIO 4890 ON WOODEN UTILITY POLE
- INSTALL (2) NEW PSU AC08 ON WOODEN UTILITY POLE
- INSTALL (1) NEW POWER CONDUIT FROM P.O.C. TO EQUIPMENT
- INSTALL (1) NEW FIBER CONDUIT FROM P.O.C. TO EQUIPMENT

- ALL AT&T ADDED APPURTENANCES SHALL BE PAINTED TO MATCH POLE COLOR (NON-GLOSSY "SABLE" BY SHERWIN

- INSTALL (1) NEW COAX CONDUIT FROM EQUIPMENT TO NEW CANISTER ANTENNA
- INSTALL (1) NEW EQUIPMENT BRACKET
- INSTALL (1) NEW SMART METER / DISCONNECT CABLING TO BE INSTALLED IN A TIGHT NEAT MANNER WITHOUT EXCESS CABLE LOOPS
- WILLIAMS, OR EQUIVALENT)

# **POLE PHOTO**





# SITE INFORMATION

SAN RAMON, CA 94583

SITE ADDRESS: (NEAR) 3180 CORTEZ RD PEBBLE BEACH, CA 93953

OWNER:

1 MARKET STREET, SPEAR TOWER SAN FRANCISCO, CA 94105-1126

AT&T MOBILITY APPLICANT: 5005 EXECUTIVE PARKWAY

36.575641 NAD83 LATITUDE:

-121.944605 NAD83 LONGITUDE:

MONTEREY COUNTY:

JURISDICTION: PEBBLE BEACH

ASSESSORS PARCEL NUMBER: NEAR 008-233-010

LDR/1.5-D(CZ) ZONING:

278.222' AMSL **ELEVATION:** 



CALL 811 BEFORE YOU DIG

HE UTILITIES SHOWN HEREIN ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER/SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL THE UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO THE (E) UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

SHEET NO. SHEET TITLE TITLE SHEET T-1 GENERAL NOTES

**DRAWING INDEX** 

T-2 C-1 SURVEY SITE PLAN A-1 ENLARGED SITE PLAN & PROPOSED EQUIPMENT LAYOUT PLANS A-2 **ELEVATIONS** A-3 **ELEVATIONS** A-4 DETAILS D-1 D-2 DETAILS ELECTRICAL GENERAL NOTES ONE-LINE DIAGRAM & GROUNDING SCHEMATIC **ELECTRICAL DETAILS** 

TRAFFIC CONTROL PLAN

# CODE COMPLIANCE

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. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- 2022 CALIFORNIA BUILDING CODE (CBC), BASED ON THE 2021 IBC
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), BASED ON THE 2020 NEC 2022 CALIFORNIA MECHANICAL CODE (CMC), BASED ON THE 2021 UMC
- 2022 CALIFORNIA PLUMBING CODE (CPC), BASED ON THE 2021 UPC 2022 CALIFORNIA GREEN BUILDINGS STANDARDS CODE (CALGREEN)
- 2022 CALIFORNIA FIRE CODES WITH ALL LOCAL AMENDMENTS, BASED ON THE 2021 IFC
- ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE
- NCJPA OPERATIONS/ ROUTINE HANDBOOK (2019)
- NATIONAL ELECTRICAL CODE (NEC) (2023 EDITION) • NATIONAL ELECTRICAL SAFETY CODE IEEE C2 2023 (NESC)
- CITY / COUNTY ORDINANCES

ACCESSIBILITY REQUIREMENTS FOR PERSONS WITH DISABILITIES: ACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. ACCESSIBILITY IS NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA ADMINISTRATIVE STATE CODE PART 2, TITLE 24, CHAPTER 11B, SECTION 1103B.



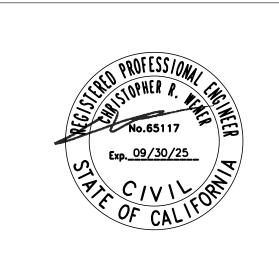
AT&T 5005 EXECUTIVE PARKWAY SAN RAMON, CA 94583



1355 WINDWARD CONCOURSE. SUITES 410 ALPHARETTA, GA

-		
	DRAWN BY:	JC
	CHECKED BY:	TDL
	APPROVED BY:	CW

REV	DATE	DESCRIPTION
	04/23/24	90% CD
0	01/16/25	100% CD



IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

CRAN\_RSFR\_PEBBL\_005

(NEAR) 3180 CORTEZ RD PEBBLE BEACH, CA 93953

TITLE SHEET

T-1

# **GENERAL NOTES**

### **GENERAL CONSTRUCTION NOTES**

- 1. PLANS ARE INTENDED TO BE DIAGRAMMATIC 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. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
- 3. CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 2 WORKING DAYS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
- 4. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- 5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
- 6. 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.
- 7. THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
- 8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE AREA LINES, UNLESS OTHERWISE NOTED.
- 9. 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.
- 10. 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 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.
- 11. 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.
- 12. ANY EXISTING COMPONENTS 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 / ENGINEER AT COMPLETION OF PROJECT.
- 13. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.

## GENERAL NOTES FOR EXISTING CELL SITES

- 1. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
- 2. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- 3. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY CONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
- 4. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
- 5. CONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. CONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD (N) TRAYS AS NECESSARY. CONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
- 6. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

### APPLICABLE CODES, REGULATIONS AND STANDARDS:

- CONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION.
- 2. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE TIME OF PERMITTING AWARD SHALL GOVERN THE DESIGN.
- 3. CONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
- 3.1. AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- CONSTRUCTION, ASD, NINTH EDITION

  3.3. TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-F, STRUCTURAL

3.2. - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL

STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA
SUPPORTING STRUCTURES

3.4. - INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE
FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH

SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1100 (1999)

ELECTRICAL EQUIPMENT.

3.5. -IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")

RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF

- 4. TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS
- 4.1. TELCORDIA GR-63 NETWORK EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION
- 4.2. TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING
  4.3. TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
- 4.4. TELCORDIA GR-12/3 GENERAL INSTALLATION REQUIREMENT
  4.4. TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS
- 5. ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS
- 6. FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

### GENERAL TRENCHING NOTES

- MAINTAIN 24" MINIMUM COVER FOR ALL ELECTRICAL CONDUITS, U.O.N.
   MAINTAIN 30" MINIMUM COVER FOR ALL TELECOMMUNICATIONS CONDUITS
- MAINTAIN 30" MINIMUM COVER FOR ALL TELECOMMUNICATIONS CONDUITS.
   MINIMUM 1" SAND SHADING BELOW CONDUITS, AND 6" COVERING ON TOP OF CONDUITS REQUIRED.
- 4. REFER TO SHEET E-1 FOR ADDITIONAL REQUIREMENTS

### GENERAL GROUNDING NOTES

GROUNDING SHALL BE TESTED AT 5 OHMS OR LESS.
 WOOD MOLDING, STAPLED EVERY 3'-0" AND AT EACH END.

### GENERAL CONDUIT NOTES

- ALL CONDUITS WILL BE MANDRELED AND EQUIPPED WITH 3/8" PULL ROPE.
   SCHEDULE 40 CONDUIT FOR UNDERGROUND USE.
- 3. SCHEDULE 80 CONDUIT FOR RISER USE AND ELSEWHERE AS NOTES. TRANSITION FROM SCHEDULE 40 PVC OR RIGID STEEL CONDUIT TO SCHEDULE 80 USING APPROVED FITTINGS DESIGNED TO PROVIDE A SMOOTH INTERIOR WALL TRANSITION TO THE REDUCED INTERIOR DIAMETER OF SCHEDULE 80. ADJUST CONDUIT SIZE IF NECESSARY TO MAINTAIN THE INTERIOR AREA REQUIRED FOR THE WIRING SPECIFIED.
- 4. GALVANIZED STEEL CONDUIT FOR ANY CONDUIT UNDER 3", STUB UP 10" THEN CONVERT TO SCHEDULE 80.
- 5. CONTRACTOR TO STUB UP POLE 10" w/ 3" POWER CONDUIT. POWER COMPANY TO CONVERT FROM 3" STUB SCHEDULE 80 TO 2" SCHEDULE 80 FROM TOP OF STUB LIP
- 6. ZRC COLD GALVANIZING COMPOUND OR EQUIVALENT IS REQUIRED ON EXPOSED THREADS IN RIGID STEEL CONDUIT AND THE CUT ENDS OF SUPPORT STRUTS, ETC. TO PREVENT RUSTING.

## TYPICAL R.O.W. POLE CONSTRUCTION NOTES

- 1. CABLE NOT TO IMPEDE 15" CLEAR SPACE OFF POLE FACE.
- ALL CLIMB STEPS NEXT TO CONDUIT SHALL HAVE EXTENDED STEPS.
   NO BOLT THREADS TO PROTRUDE MORE THAN 1-1/2"
- 4. ALL HOLES IN POLE LEFT FROM REARRANGEMENT OF CLIMB STEPS TO BE FILLED.5. 90° SHORT SWEEPS UNDER ANTENNA ARM, ALL CABLES MUST TRANSITION ON

THE INSIDE OR BOTTOM OF THE ARM (NO CABLE ON TOP OF ARM).

- 6. USE 90° CONNECTOR AT CABLE CONNECTION FOR OMNI DOWN ANTENNAS.
  7. USE CABLE CLAMPS TO SECURE CABLE TO ARMS, PLACE 2" AT&T WIRELESS CABLE I.D. TAGS ON BOTH SIDES OF ARMS.
- 8. USE 1/2" DIA. CABLE ON ANTENNAS UNLESS OTHERWISE SPECIFIED.
  9. PLACE GPS ON ARM OF SOUTHERN SKY EXPOSURE AT MINIMUM 6" FROM
- TRANSMIT ANTENNA WHICH IS 24" AWAY FROM CENTER OF POLE.
- 10. FILL VOID AROUND CABLES AT CONDUIT OPENING WITH FOAM SEALANT TO PREVENT WATER INTRUSION.

## CONTRACTOR REQUIREMENTS

## DO NOT SCALE OFF DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK

# **ABBREVIATIONS**

<i></i>		. •
A.B.	ANCHOR BOLT	GLB.
ABV.	ABOVE	(GLU-LAM)
	_	,
ACCA	ANTENNA CABLE COVER	GPS
	ASSEMBLY	
ADD'L	ADDITIONAL	GRND.
A.F.F.	ABOVE FINISHED FLOOR	HDR.
A.F.G.	ABOVE FINISHED GRADE	HGR.
AGL	ABOVE GROUND LEVEL	HT.
ALUM	ALUMINUM	ICGB.
ALT.	ALTERNATE	ICOD.
		INT /!!\
AMSL	ABOVE SEA LEVEL	IN.(")
ANT.	ANTENNA	INT.
APPRX.	APPROXIMATE(LY)	LB.(#)
ARCH.	ARCHITECT(URAL)	L.B.
AWG.	AMERICAN WIRE GAUGE	L.F.
BLDG.	BUILDING	L.
BLK.	BLOCK	MAS.
BLKG	BLOCKING	MAX.
BM.	BEAM	M.B.
	BOUNDARY NAILING	MECH.
B.N.		
BN	BACK-UP CABINET	MFR.
BTCW.	BARE TINNED COPPER WIRE	
B.O.	BOTTOM	MISC.
B.O.F.	BOTTOM OF FOOTING	MTL.
CAB.	CABINET	NO.(#)
CANT.	CANTILEVER(ED)	N.T.S.
C.I.P.	CAST IN PLACE	(N)
CLG.	CEILING	O.C.
Ç	CENTERLINE	OPNG.
CLR.	CLEAR	P/C
	-	
COL.	COLUMN	PCS
CONC.	CONCRETE	_
CONN.	CONNECTION(OR)	图
CONST.	CONSTRUCTION	PLY.
CONT.	CONTINUOUS	PPC.
d	PENNY (NAILS)	PRC.
DBL.	DOUBLE	P.S.F.
DEPT.	DEPARTMENT	P.S.I.
D.F.	DOUGLAS FIR	P.T.
DIA.	DIAMETER	PWR.
DIAG.		QTY.
DIM.	DIAGONAL	
	DIMENSION	RAD.(R)
DWG.	DRAWING(S)	REF.
DWL.	DOWEL(S)	REINF.
EA.	EACH	REQ'D.
EL.	ELEVATION	RGS.
ELEC.	ELECTRICAL	R.O.W.
ELEV.	ELEVATOR	SCH.
EMT.	ELECTRICAL METALLIC	SHT.
	TUBING	SIM.
E.N.	EDGE NAIL	SPEC.
ENG.	ENGINEER	SQ.
EQ.	EQUAL	S.S.
EXP.	EXPANSION	STD.
EXST.(E)	EXISTING	STL.
EXT.	EXTERIOR	STRUC.
FAB.	FABRICATION(OR)	TEMP.
F.F.	FINISH FLOOR	THK.
F.G.	FINISH GRADE	T.N.
FIN.	FINISH(ED)	T.O.A.
FLR.	FLOOR ,	T.O.C.
FDN.	FOUNDATION	T.O.F.
F.O.C.	FACE OF CONCRETE	T.O.P.
F.O.M.	FACE OF MASONRY	T.O.S.
F.O.S.	FACE OF STUD	T.O.W.
F.O.W.	FACE OF WALL	TYP.
F.S.	FINISH SURFACE	U.G.
FT.(')	FOOT(FEET)	U.L.
FTG.	FOOTING	U.N.O.
G.	GROWTH(CABINET)	V.I.F.
GA.	GAUGE '	W
GI.	GALVANIZE(D)	W/
G.F.I.	GROUND FAULT CIRCUIT	WD.
	INTERRUPTER	W.P.
	- · <del>-</del> · ·	WT.

**LEGEND** 

SPOT ELEVATION

**GRID REFERENCE** 

DETAIL REFERENCE

**ELEVATION REFERENCE** 

REVISION

SECTION REFERENCE

— MATCH LINE

WORK POINT

	GLUE LAMINATED
-LAM)	BEAM
	GLOBAL POSITIONING
	SYSTEM
_	* . * . =
D.	GROUND
	HEADER
	HANGER
	HEIGHT
	_
	ISOLATED COPPER
	GROUND BUS
	INCH(ES)
	INTERIOR
)	POUND(s)
1	` '
	LAG BOLTS
	LINEAR FEET(FOOT)
	LONGITUDINAL
	MASONRY
	MAXIMUM
•	
	MACHINE BOLT
Н.	MECHANICAL
	MANUFACTURER
	MINIMUM
	MISCELLANEOUS
•	
ш\	METAL
#)	NUMBER
	NOT TO SCALE
	NEW
	ON CENTER
_	
G.	OPENING
	PRE CAST CONCRETE
	PERSONAL COMMUNICATION
	SERVICES
	PLATE
	PLYWOOD
	POWER PROTECTION CABINET
	PRIMARY FLEXING CABINET
	POUNDS PER SQUARE FOOT
	POUNDS PER SQUARE INCH
	PRESSURE TREATED
	POWER (CABINET)
	QUANTITY
(R)	RADIUS
\ /	REFERENCE
=	
<del>-</del> .	REINFORCING
D.	REQUIRED
	RIGID GALVANIZED STEEL
٧.	RIGHT OF WAY
	SCHEDULE
	SHEET
	SIMILAR
•	SPECIFICATION(S)
	SQUARE
	STAINLESS STEEL
	STANDARD
	STEEL
C.	STRUCTURAL
	TEMPORARY
	THICKNESS
	TOE NAIL
١.	TOP OF ANTENNA
2.	TOP OF CURB
	TOP OF FOUNDATION
· ·	TOP OF PLATE(PARAPET)
	TOP OF STEEL
V.	
٧.	TOP OF WALL
	TYPICAL
	UNDER GROUND
	UNDERWRITES LABORATORY
).	UNLESS NOTED OTHERWISE
	VERIEY INI FIEI D

**VERIFY IN FIELD** 

WEATHERPROOF

GROUT OR PLASTER

(E) BRICK

(E) MASONRY

CONCRETE

EARTH

GRAVEL

Sand

\_\_\_\_\_\_\_\_\_

——OHT/OHP ——

PLYWOOD

CENTERLINE

GROUND CONDUCTOR

TELEPHONE CONDUIT

ELECTRICAL CONDUIT

**ELECTRICAL &** 

COAXIAL CABLE

OVERHEAD LINES

WOOD FENCING

OVERHEAD COMM/

OVERHEAD POWER

CHAIN LINK FENCING

TELCO CONDUITS

WIDE(WIDTH)

WITH

WOOD

WEIGHT

GLUE LAMINATED

# at&t

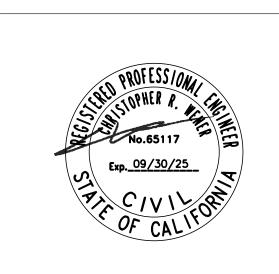
AT&T 5005 EXECUTIVE PARKWAY SAN RAMON, CA 94583



1355 WINDWARD CONCOURSE, SUITES 410 ALPHARETTA, GA 30005

п		
	DRAWN BY:	JC
	CHECKED BY:	TDL
	APPROVED BY:	CW

REV	DATE	DESCRIPTION
	04/23/24	90% CD
0	01/16/25	100% CD
_		



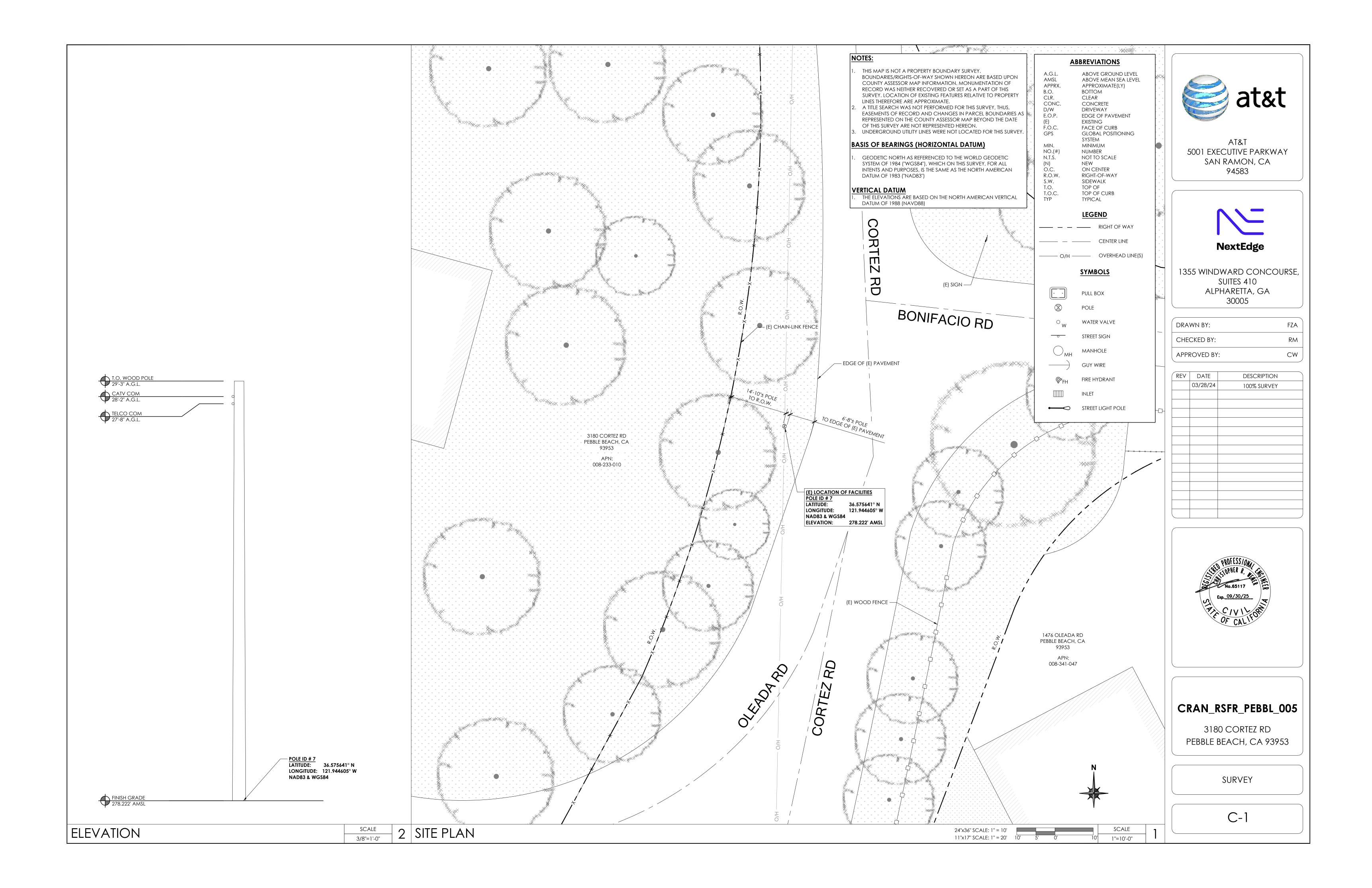
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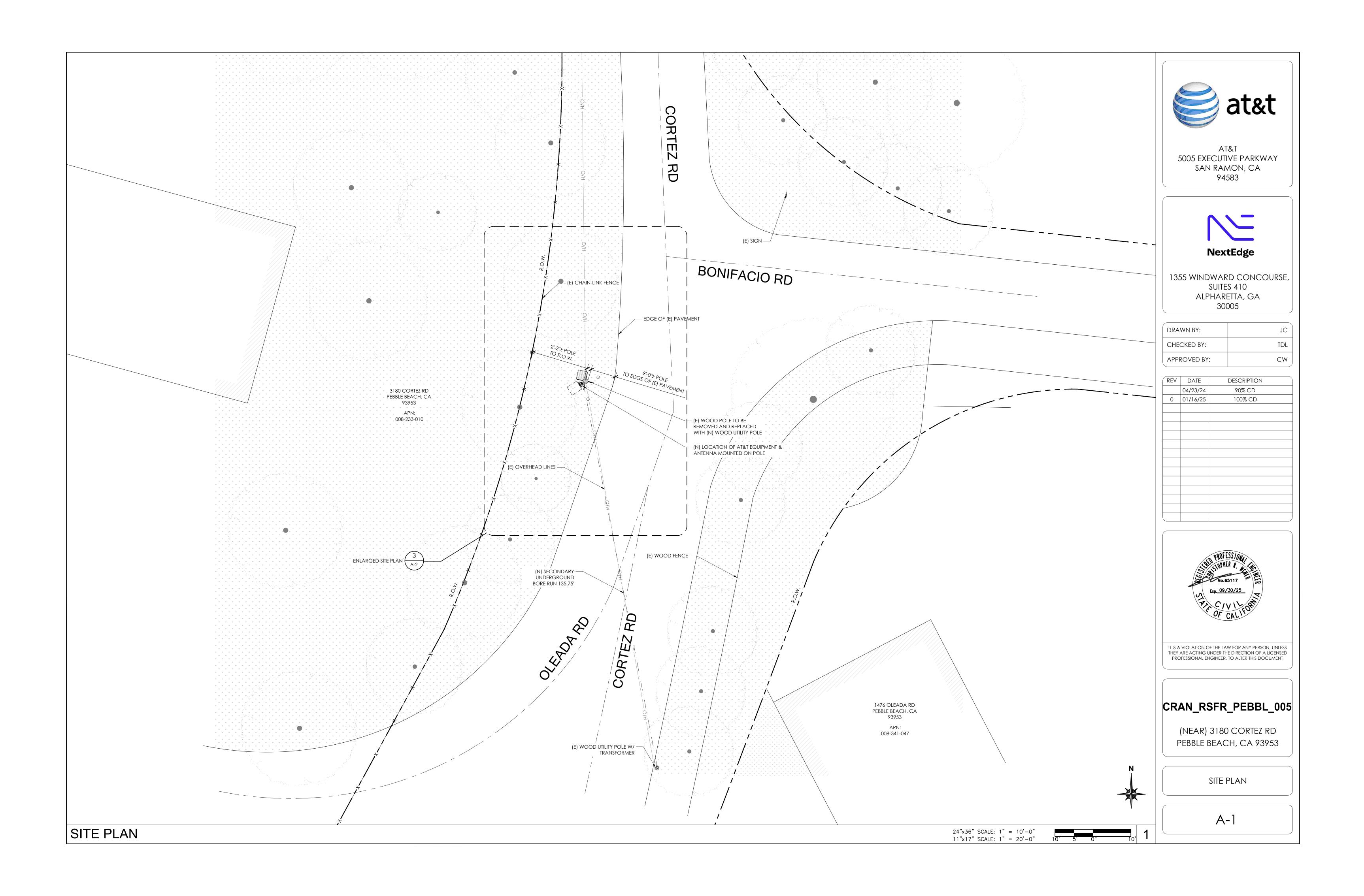
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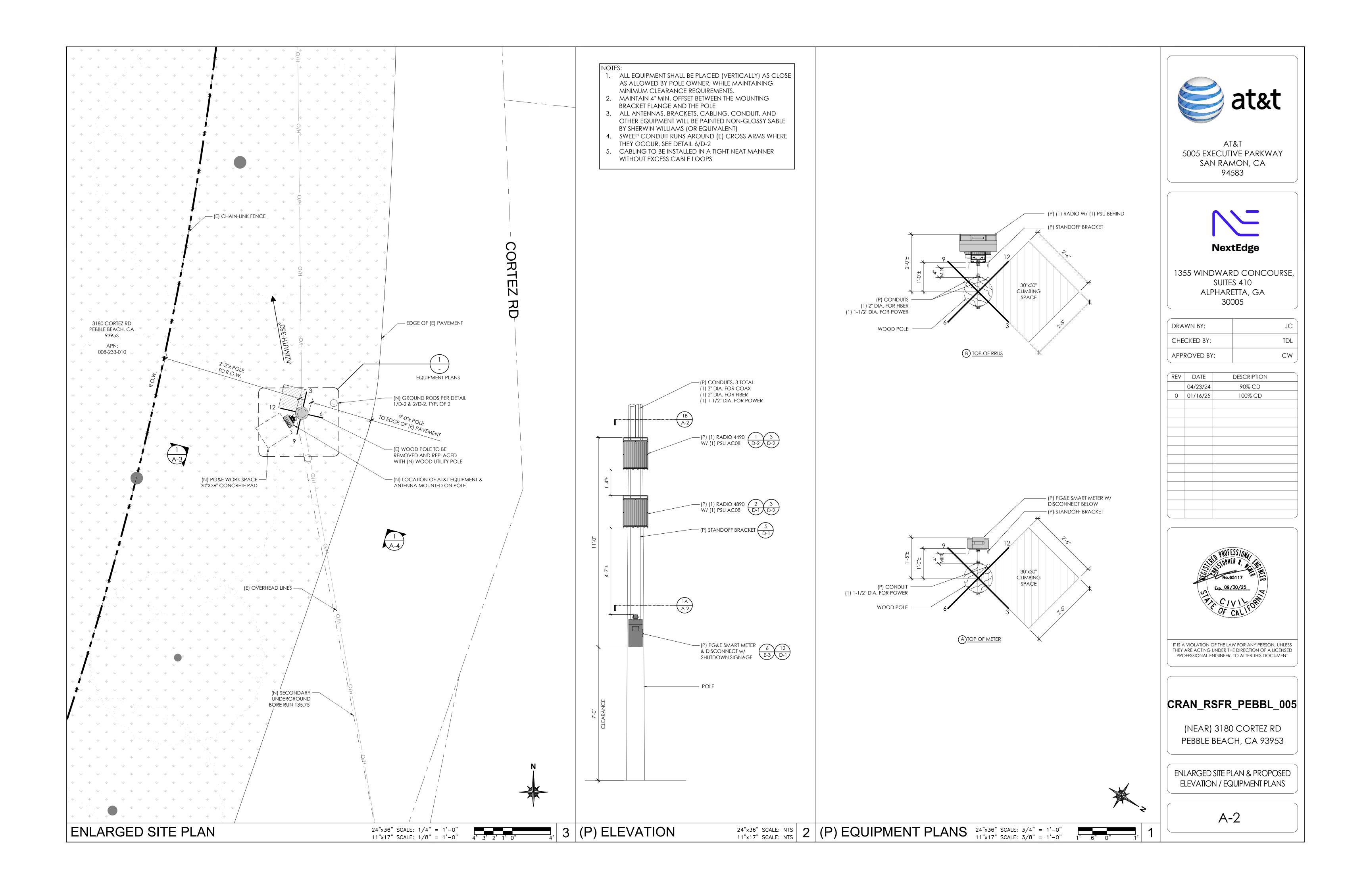
(NEAR) 3180 CORTEZ RD PEBBLE BEACH, CA 93953

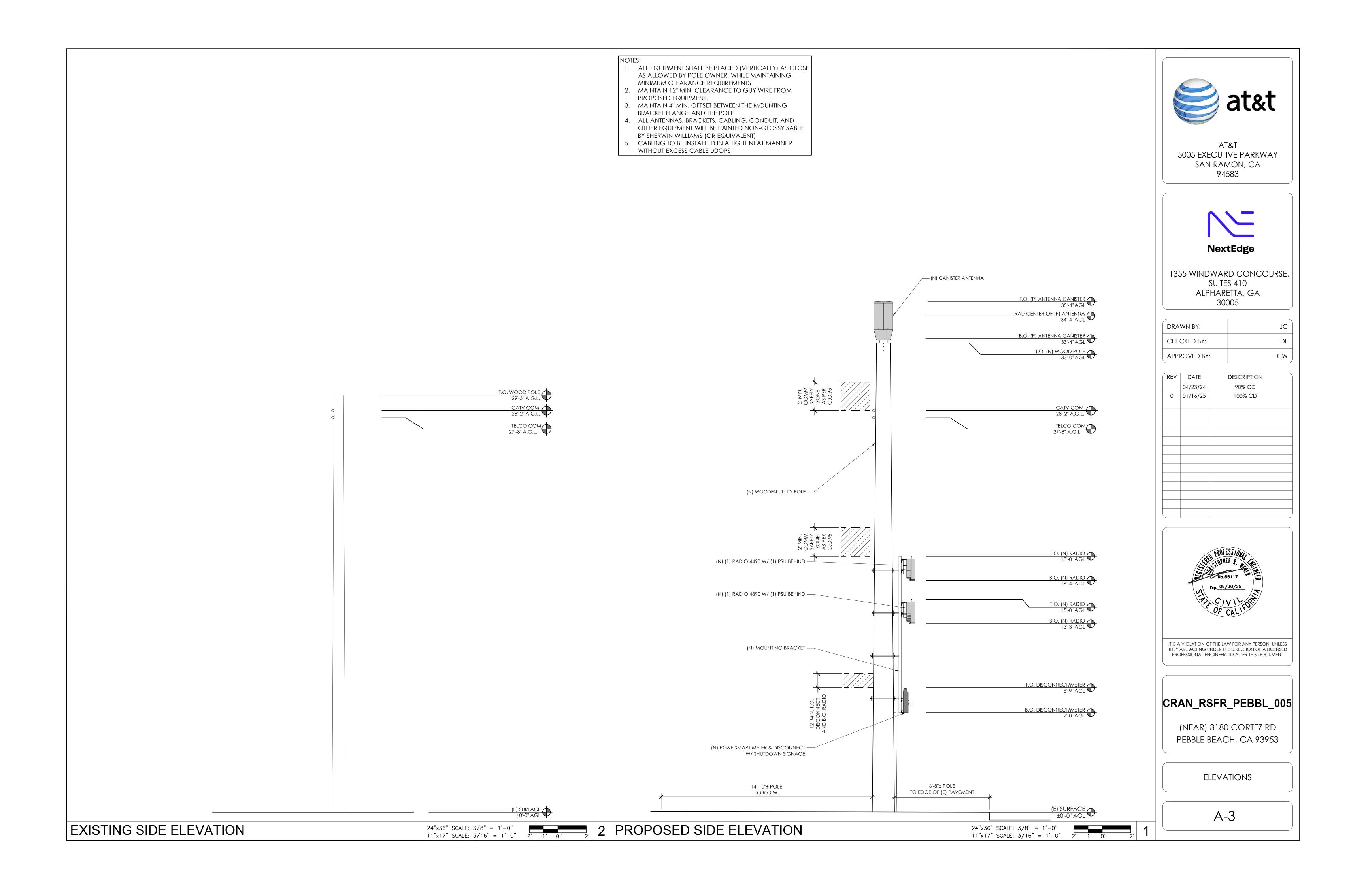
GENERAL NOTES

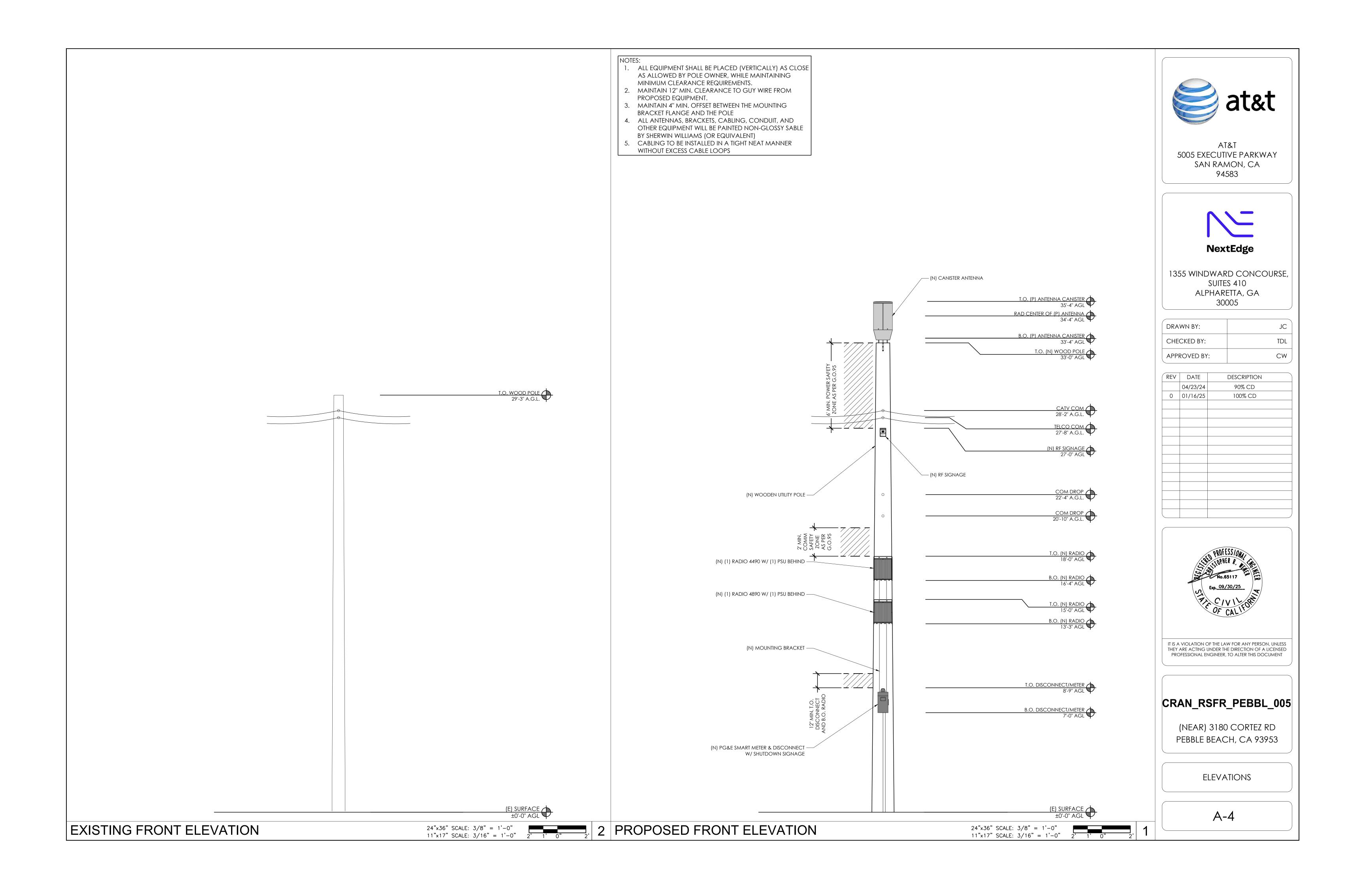
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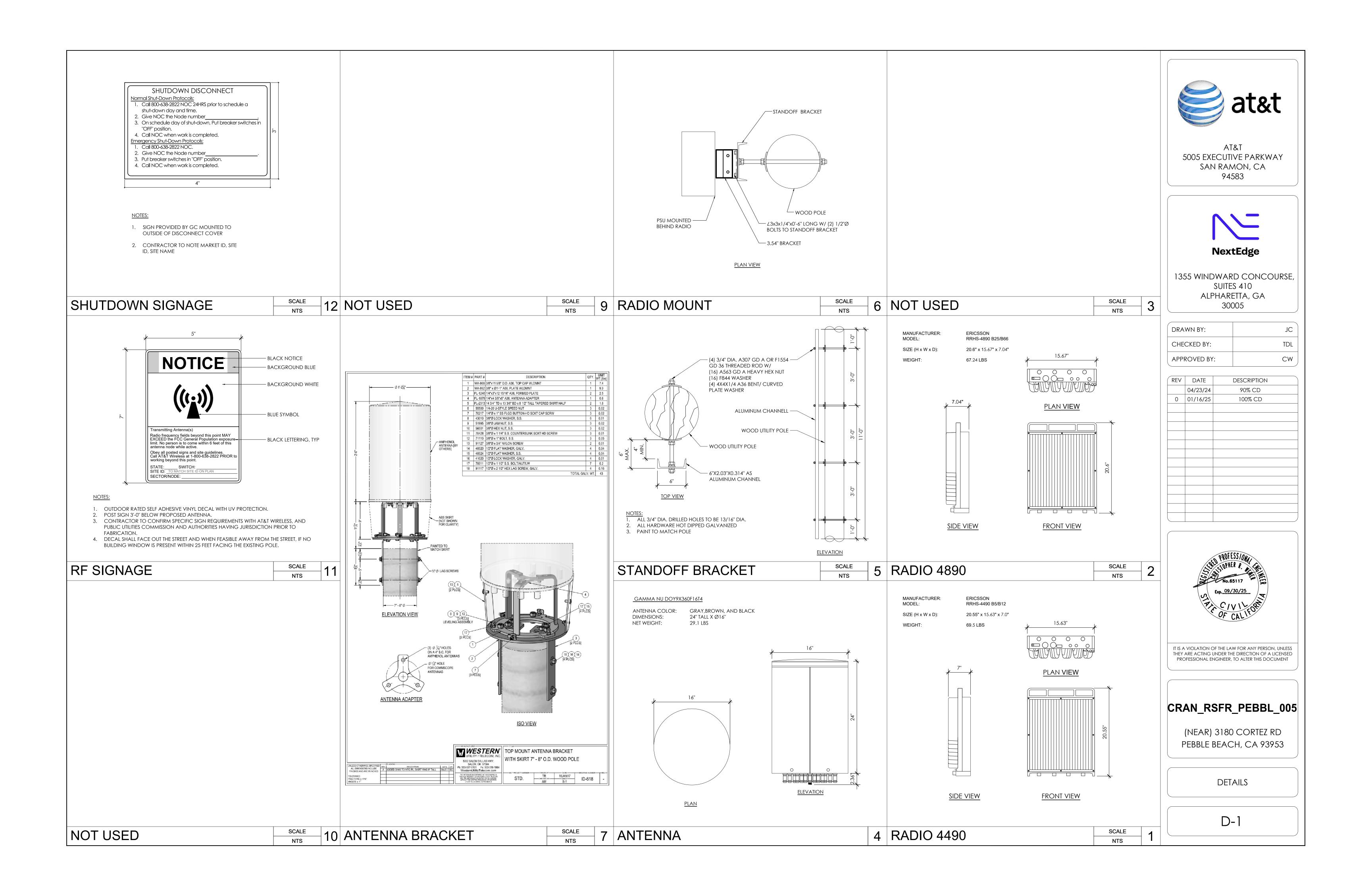


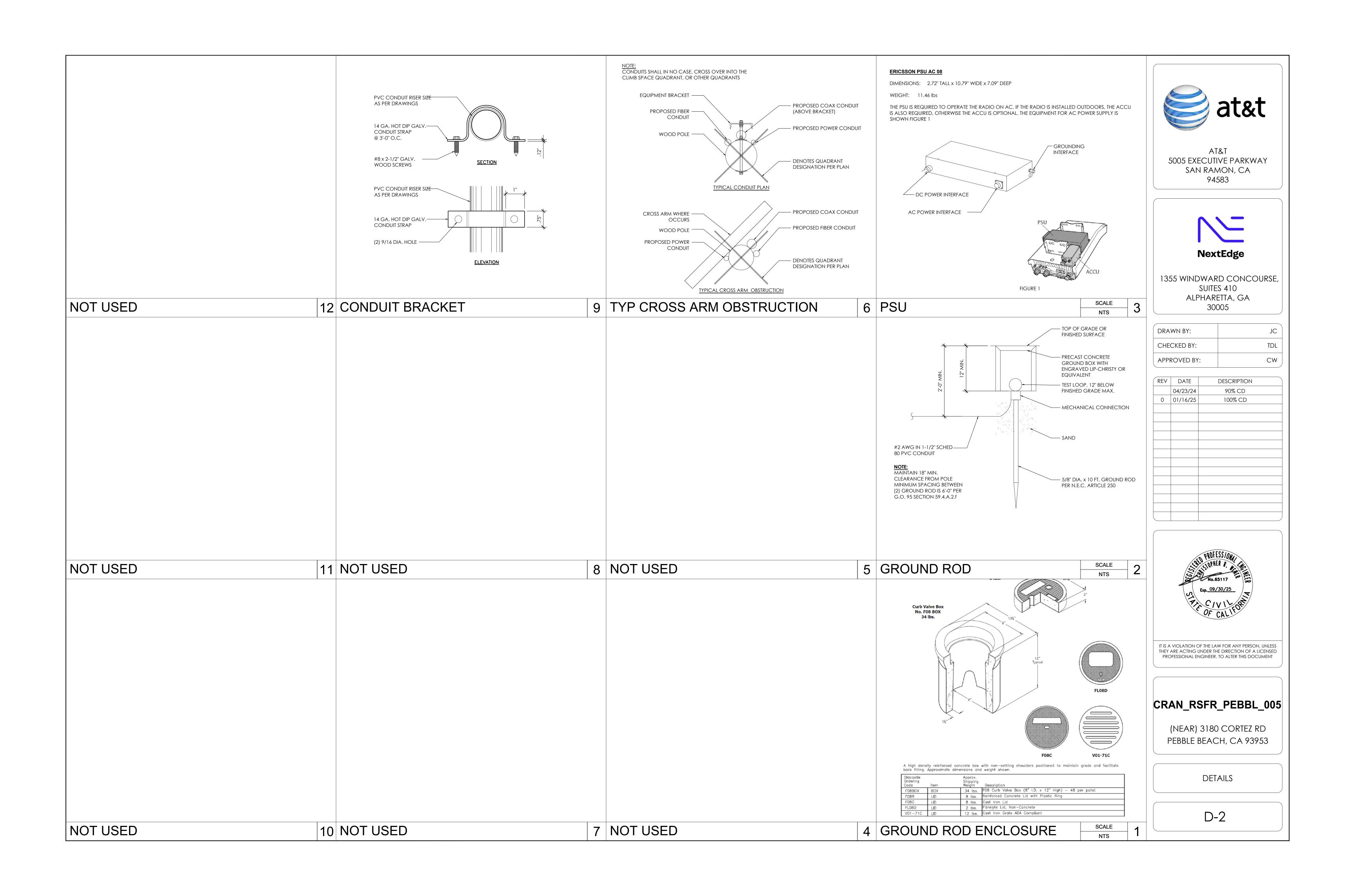












# **ELECTRICAL NOTES**

### 1. GENERAL REQUIREMENTS

- A. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRIC CODE AND ALL STATE AND LOCAL CODES. NOTHING IN THESE PLANS OR SPECIFICATIONS SHALL BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THE MOST STRINGENT OF THESE CODES. SHOULD CHANGES BE NECESSARY IN THE DRAWINGS OR SPECIFICATIONS TO MAKE THE WORK COMPLY WITH THESE REQUIREMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND CEASE WORK ON PARTS OF THE CONTRACT
- THE CONTRACTOR SHALL MAKE A SITE VISIT PRIOR TO BIDDING AND CONSTRUCTION TO VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES. THE CONTRACTOR ASSUMES ALL LIABILITY FOR FAILURE TO COMPLY WITH THIS PROVISION.
- C. THE EXTENT OF THE WORK IS INDICATED BY THE DRAWINGS, SCHEDULES, AND SPECIFICATIONS AND IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT. THE WORK SHALL CONSIST OF FURNISHING ALL LABOR, EQUIPMENT, MATERIALS AND SUPPLIES NECESSARY FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF ALL ELECTRICAL WORK NOT MENTIONED OR SHOWN WHICH ARE NECESSARY FOR SUCCESSFUL OPERATION OF ALL SYSTEMS.
- D. THE CONTRACTOR SHALL PREPARE A BID FOR A COMPLETE AND OPERATIONAL SYSTEM, WHICH INCLUDES THE COST FOR MATERIAL AND
- E. WORKMANSHIP AND NEAT APPEARANCE SHALL BE AS IMPORTANT AS THE OPERATION. DEFECTIVE OR DAMAGED MATERIALS SHALL BE REPLACED OR REPAIRED PRIOR TO FINAL ACCEPTANCE IN A MANNER ACCEPTABLE TO OWNER AND ENGINEER.
- F. COMPLETE THE ENTIRE INSTALLATION AS SOON AS THE PROGRESS OF THE WORK WILL PERMIT.
- G. ANY ERROR, OMISSION OR DESIGN DISCREPANCY ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION OR CORRECTION BEFORE CONSTRUCTION.
- H. "PROVIDE" INDICATES THAT ALL ITEMS ARE TO BE FURNISHED, INSTALLED AND CONNECTED IN PLACE.
- I. CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS AND PAY ALL REQUIRED FEES.

### 2. EQUIPMENT LOCATION

- A. ALL 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 AND TO OVERCOME LOCAL DIFFICULTIES DUE TO SPACE LIMITATIONS OR INTERFERENCE OF STRUCTURE CONDITIONS ENCOUNTERED.
- B. IN THE EVENT CHANGES IN THE INDICATED LOCATIONS OR ARRANGEMENTS ARE NECESSARY, DUE TO FIELD CONDITIONS IN THE BUILDING CONSTRUCTION OR REARRANGEMENT OF 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.
- C. COORDINATE THE WORK OF THE SECTION WITH THAT OF ALL OTHER TRADES. WHERE CONFLICTS OCCUR, CONSULT WITH THE PERSPECTIVE CONTRACTOR AND COME TO AGREEMENT AS TO CHANGES NECESSARY. OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER FOR THE PROPOSED CHANGES BEFORE PROCEEDING.

## **TESTS**

A. BEFORE FINAL ACCEPTANCE OF WORK, THE CONTRACTOR SHALL INSURE THAT ALL EQUIPMENT, SYSTEMS, FIXTURES, ETC., ARE WORKING SATISFACTORILY AND TO THE INTENT OF THE DRAWINGS.

## 4. PERMITS

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING OUT AND PAYING FOR ALL THE REQUIRED PERMITS, INSPECTION AND EXAMINATION WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

## GROUNDING

- A. THE CONTRACTOR SHALL PROVIDE A COMPLETE, AND APPROVED GROUNDING SYSTEM INCLUDING ELECTRODES. ELECTRODE CONDUCTOR, BONDING CONDUCTORS, AND EQUIPMENT CONDUCTORS AS REQUIRED BY ARTICLE 250 OF NATIONAL ELECTRICAL CODE.
- B. CONDUITS CONNECTED TO EQUIPMENT AND DEVICES SHALL BE METALLICALLY JOINED TOGETHER TO PROVIDE EFFECTIVE ELECTRICAL CONTINUITY.
- C. FEEDERS AND BRANCH CIRCUIT WIRING INSTALLED IN A NONMETALLIC CONDUIT SHALL INCLUDE A CODE SIZED GROUNDING CONDUCTOR HAVING GREEN INSULATION. THE GROUND CONDUCTOR SHALL BE PROPERLY CONNECTED AT BOTH ENDS TO MAINTAIN ELECTRICAL CONTINUITY.
- D. REFER TO GROUND BUS DETAILS. PROVIDE NEW GROUND SYSTEM COMPLETE WITH CONDUCTORS, GROUND ROD AND DESCRIBED TERMINATIONS.
- E. ALL GROUNDING CONDUCTORS SHALL BE SOLID TINNED COPPER AND ANNEALED #2 UNLESS NOTED OTHERWISE.
- F. ALL NON-DIRECT BURIED TELEPHONE EQUIPMENT GROUND CONDUCTORS SHALL BE #2 STRANDED, THHN (GREEN) INSULATION.
- G. ALL GROUND CONNECTIONS SHALL BE MADE WITH "HYGROUND" COMPRESSION SYSTEM BURNDY CONNECTORS EXCEPT WHERE NOTED OTHERWISE.
- H. PAINT AT ALL GROUND CONNECTIONS SHALL BE REMOVED.

I. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE OWNER FOR FUTURE INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE. SUBMIT TEST REPORTS AND FURNISH TO ATT ONCE COMPLETE SET OF PRINTS SHOWING "INSTALLED WORK".

### 6. UTILITY SERVICE

- A. 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.
- B. CONFORM TO ALL REQUIREMENTS OF THE SERVING UTILITY COMPANIES.

### 7. PRODUCTS

A. ALL MATERIALS SHALL BE NEW, CONFORMING WITH THE NEC, ANSI, NEMA, AND THEY SHALL BE U.L. LISTED AND LABELED.

### B. CONDUIT:

- RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR, RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.
- B.2. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR
- B.3. FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "JAKE" OR "SQUEEZE" TYPE. SEAL TIGHT FLEXIBLE CONDUIT. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL HAVE FULL SIZE GROUND WIRE.
- B.4. ALL UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40 (UNLESS NOTED OTHERWISE) AT A MINIMUM DEPTH OF 24" BELOW GRADE.

### B.5. ALL CONDUIT ONLY (C.O.) SHALL HAVE PULL ROPE.

- C. ALL WIRE AND CABLE SHALL BE COPPER, 600 VOLT, #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS #8 AWG AND LARGER SHALL BE STRANDED. TYPE THHN INSULATION USED UNLESS CONDUCTORS INSTALLED IN CONDUIT EXPOSED TO WEATHER, IN WHICH CASE TYPE THWN INSULATION SHALL BE USED.
- D. PROVIDE GALVANIZED COATED STEEL BOXES AND ACCESSORIES SIZED PER CODE TO ACCOMMODATE ALL DEVICES AND WIRING.
- E. TOGGLE SWITCHES SHALL BE 20 AMP, 120 VOLT AC, SPECIFICATION GRADE WHITE (UNLESS NOTED OTHERWISE) FINISH. MOUNT SWITCHES AT +48" ABOVE FINISHED FLOOR.
- F. PANELBOARD SHALL BE DEAD FRONT SAFETY TYPE WITH ANTI-BURN SOLDERLESS COMPRESSION APPROVED FOR COPPER CONDUCTORS, COPPER BUS BARS, FULL SIZED NEUTRAL BUS, GROUND BUS AND EQUIPPED WITH QUICK-MAKE QUICK-BREAK BOLT-IN TYPE THERMAL MAGNETIC CIRCUIT BREAKERS. MOUNT TOP OF THE PANELBOARD AT 6'-3" ABOVE FINISHED FLOOR. PROVIDE TYPEWRITTEN CIRCUIT DIRECTORY.
- ALL CIRCUIT BREAKERS MAGNETIC STARTERS AND OTHER ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED.
- H. GROUND RODS SHALL BE COPPER CLAD STEEL, 5/8" ROUND AND 10' LONG. COPPERWELD OR APPROVED EQUAL.
- I. CONDUIT REQUIREMENTS (TYP., U.N.O.): UNDERGROUND: PVC (SCHED 40 OR 80), INDOOR: EMT (RGS IN TRAFFIC AREAS, OUTDOOR (ABOVE
- J. PLACE "TRUE TAPE" AND PULL ROPE IN THE CONDUITS AS REQUIRED.

## 8. INSTALLATION

A. PROVIDE SUPPORTING DEVICES FOR ALL ELECTRICAL EQUIPMENT, FIXTURES, BOXES, PANEL, ETC., 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.

## 9. PROJECT CLOSEOUT

- A. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.
- B. PROVIDE PROJECT MANAGER WITH ONE SET OF COMPLETE "AS INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS AND CIRCUITS.

# **GENERAL ABBREVIATIONS**

Α	AMPERE	MFR	MANUFACTURER
ACCA	ANTENNA CABLE COVER	MIN	MINIMUM
	ASSEMBLY	MLO	MAIN LUGS ONLY
AIC	AMPERE INTERRUPTING	MTD	MOUNTED
	CAPACITY	MTG	MOUNTING
APPROX	APPROXIMATELY	MTS	MANUAL TRANSFER SWITCH
AT	AMPERE TRIP	N	NEUTRAL
AWG	AMERICAN WIRE GAGE	(N)	NEW
BATT	BATTERY	NEMA	NATIONAL ELECTRICAL
BD	BOARD		MANUFACTURERS ASSOC.
BR	BRANCH	ОН	OVERHEAD
BRKR	BREAKER	Р	POLE
BTCW	BARE TINNED COPPER WIRE	PH	PHASE
С	CONDUIT	PNLBD	PANELBOARD
CAB	CABINET	PRI	PRIMARY
СВ	CIRCUIT BREAKER	PWR	POWER
CKT	CIRCUIT	RCPT	RECEPTACLE
CONT	CONTINUOUS	RGS	RIGID GALVANIZED STEEL
DEM	DEMAND	SAF	SAFETY
(E)	EXISTING	SDBC	SOFT DRAWN BARE COPPER
EGR	EMERGENCY GEN. RECEPTACLE	SEC	SECONDARY
ELEC	ELECTRICAL	S.N.	SOLID NEUTRAL
EMT	ELECTRICAL METALLIC TUBING	SURF	SURFACE
ENCL	ENCLOSURE	SW	SWITCH
EXIST	EXISTING	TEL	TELEPHONE
FAC	FACTOR	TYP	TYPICAL
F/A	FIRE ALARM	U/G	UNDERGROUND
FLUOR FT	FLUORESCENT FOOT/FEET	U.L.	UNDERWRITER'S LABORATORY INC.
FU FU	FUSE	U.N.O.	UNLESS NOTED OTHERWISE
G	GROUND	V	VOLT
GND	GROUNDING	VAC	VOLT ALTERNATING CURRENT
GPS	GLOBAL POSITIONING SYSTEM	W	WATT OR WIRE
HDBC	HARD DRAWN COPPER WIRE	W/	WITH
HPS	HIGH PRESSURE SODIUM	W/O	WITHOUT
пгз LG	LENGTH	XFER	TRANSFER
LPS	LOW PRESSURE SODIUM	XFMR	TRANSFORMER
MAX	MAXIMUM	XFMR XLPF	
MECH	MECHANICAL	ALME	CROSS-LINK POLYETHYLENE
IVILOIT	MEGHANICAL		

**ELECTRICAL LEGEND** 

——OHT/OHP — OVERHEAD COMM/OVERHEAD POWER

FUSE, SIZE AND TYPE AS INDICATED.

MECHANICAL CONNECTION

5/8" X 10'-0" ,CU. GND ROD 24" MIN. BELOW GRADE.

LIGHTING FIXTURE

CIRCUIT BREAKER

— E — POWER RUN

TELCO RUN

— G — GROUND LINE

——— E/T ——— POWER/TELCO RUN



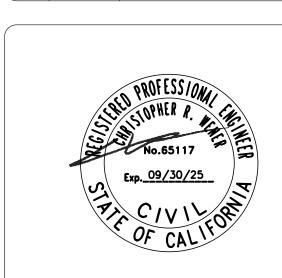
AT&T 5005 EXECUTIVE PARKWAY SAN RAMON, CA 94583



1355 WINDWARD CONCOURSE, SUITES 410 ALPHARETTA, GA 30005

DRAWN BY:	JC
CHECKED BY:	TDL
APPROVED BY:	CW

REV	DATE	DESCRIPTION
	04/23/24	90% CD
0	01/16/25	100% CD



IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

# CRAN\_RSFR\_PEBBL\_005

(NEAR) 3180 CORTEZ RD PEBBLE BEACH, CA 93953

**ELECTRICAL GENERAL** NOTES



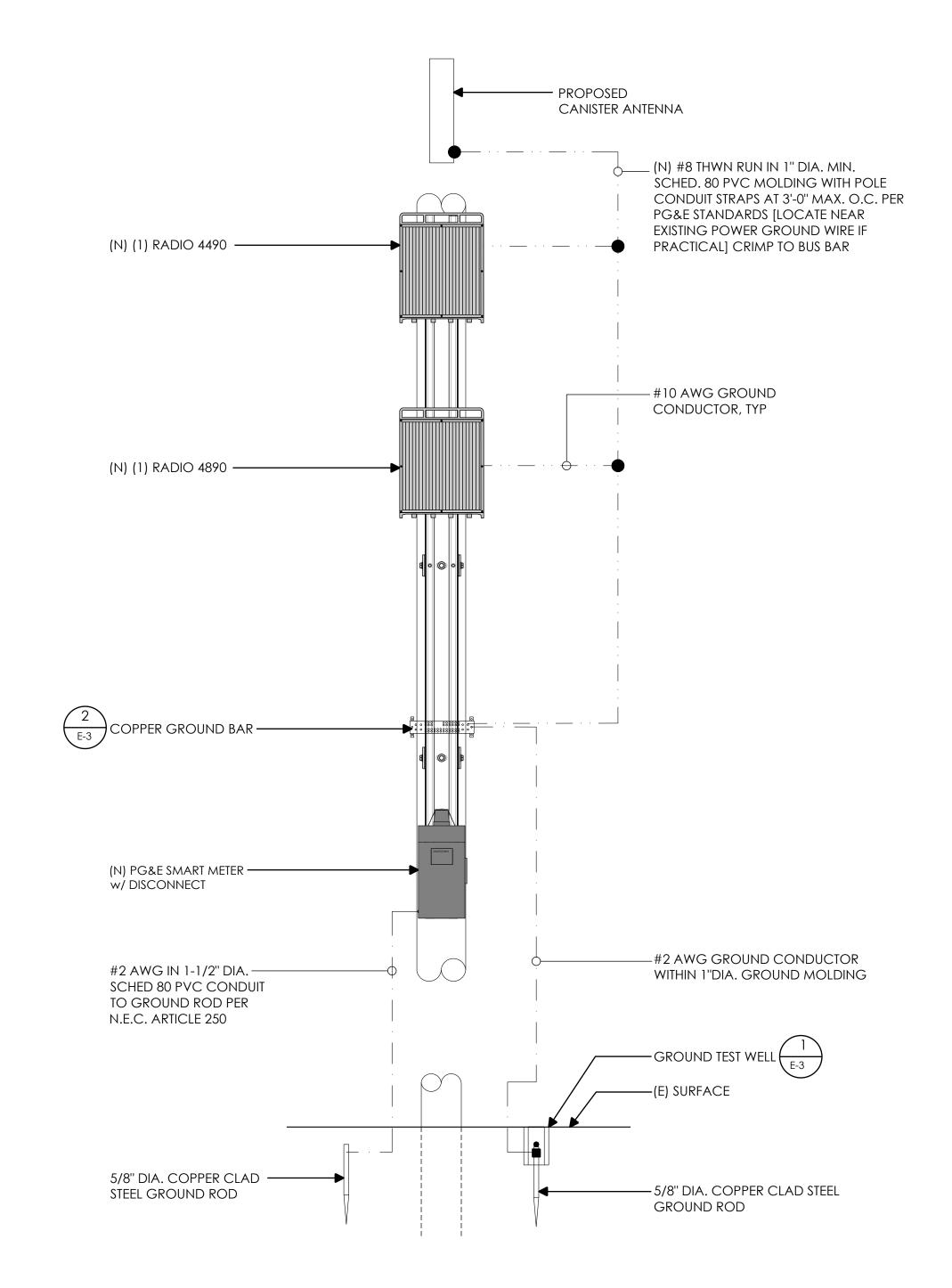
EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH STRANDED GREEN INSULATED COPPER CONDUCTORS SIZED AS SHOWN. BOND TO GROUND ROD AS SHOWN IN THE GROUNDING SCHEMATIC.

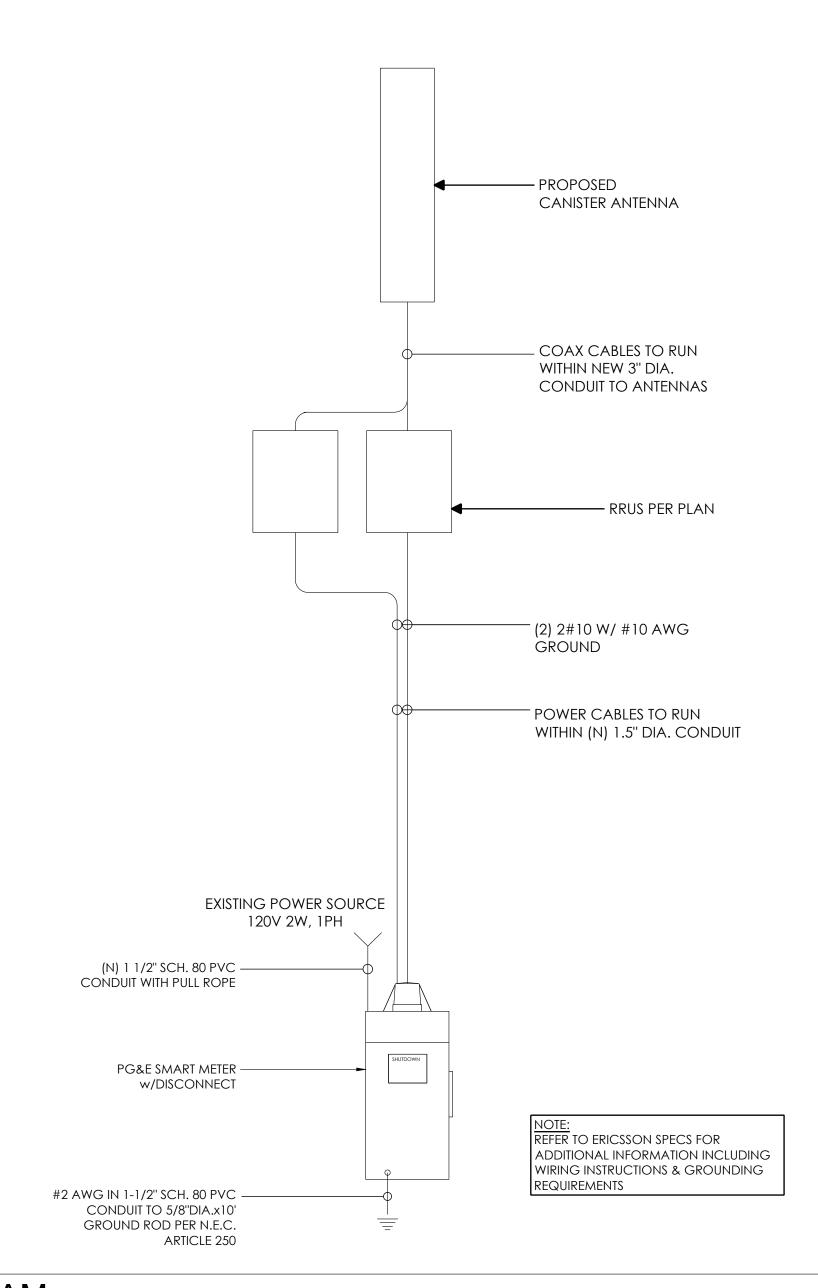
3. EXTERIOR <u>UNIT BONDS:</u> METALLIC OBJECTS SHALL BE BONDED TO THE EXTERIOR GROUND ROD.

4. PROVIDE ALL ELECTRICAL WORK & MATERIALS AS SHOWN ON THE DWGS, AS CALLED FOR HEREIN, & AS IS NECESSARY TO FURNISH A COMPLETE INSTALLATION.

5. OUTDOOR EQUIPMENT SHALL BE RATED NEMA 3R AND/OR UL LISTED FOR WET ENVIRONMENT.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING THE GROUNDING SYSTEM AND ENSURING A 5 OHM OR LESS GROUNDING PATH. ADDITIONAL GROUND RODS AND/OR CHEMICAL ROD SYSTEM SHALL BE USED TO ACHIEVE THIS REQUIREMENT IF THE GIVEN DESIGN CANNOT BE MADE TO ACHIEVE THIS REQUIREMENT.







AT&T 5005 EXECUTIVE PARKWAY SAN RAMON, CA 94583

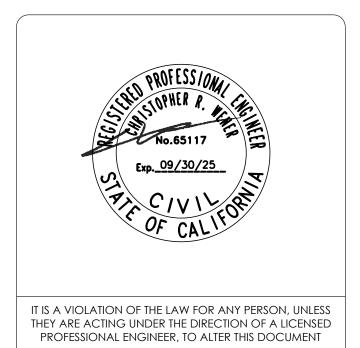


1355 WINDWARD CONCOURSE, SUITES 410 ALPHARETTA, GA

DRAWN BY:	JC
CHECKED BY:	TDL
APPROVED BY:	CW

30005

REV	DATE	DECCRIPTION
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	04/23/24	90% CD
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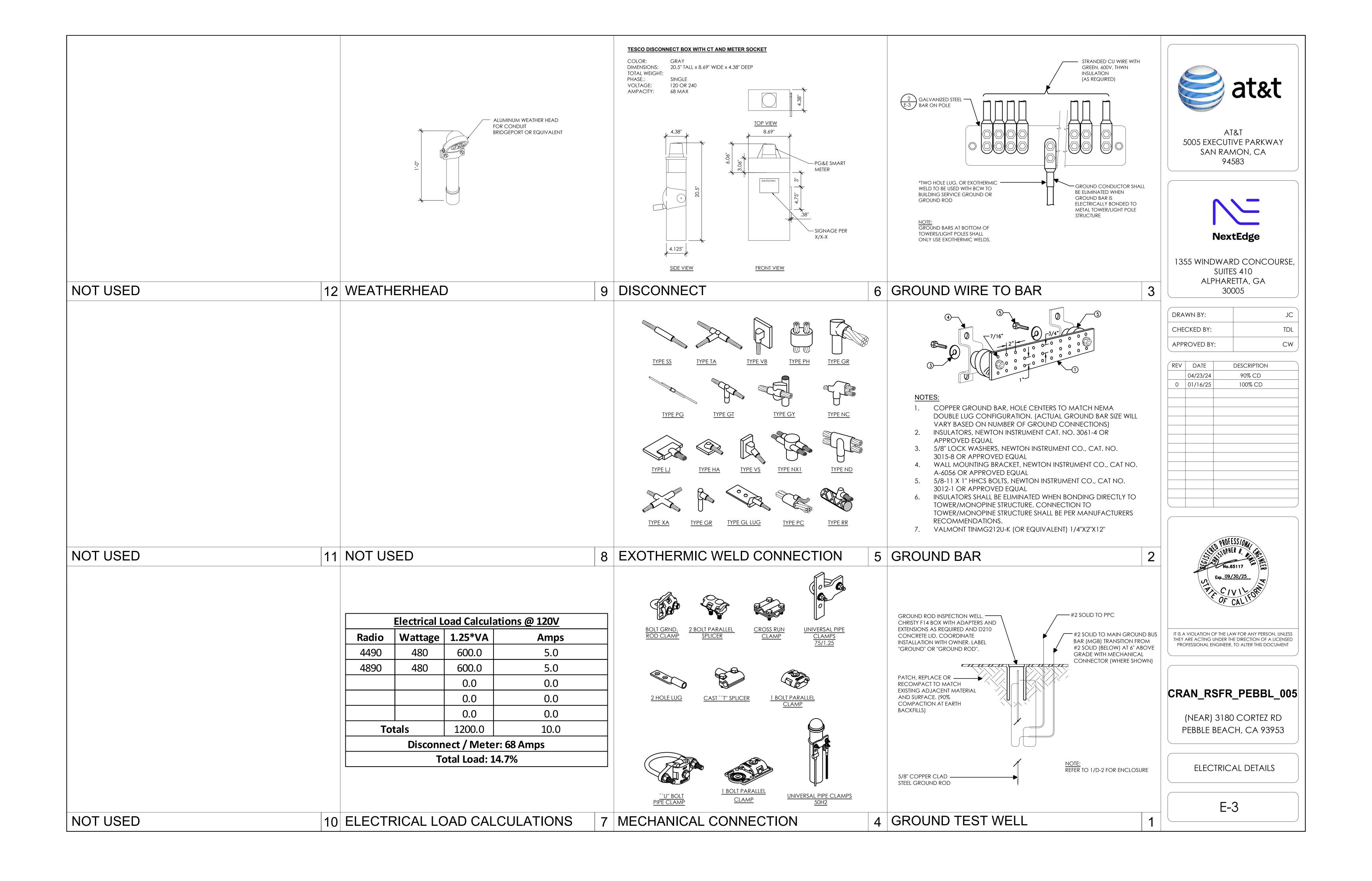
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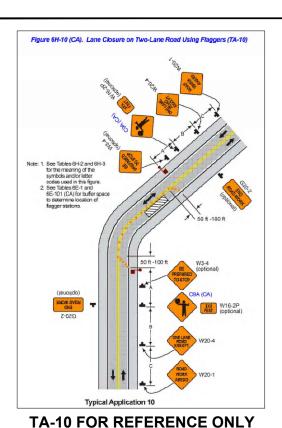
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ONE-LINE DIAGRAM & GROUNDING SCHEMATIC

E-2

2 ONE-LINE DIAGRAM





PEDESTRIANS SHALL BE ESCORTED THROUGH OR AROUND THE WORK AREA, PER CAMUTCD TA-28 OR TA-29 AS APPLICABLE, THROUGHOUT THE COURSE

SJ MUTCD TABLE						
POSTED SPEED (MPH)	DISTANCE BETWEEN SIGNS		TAPER	BUFFER		
	Α	В	С	L (SEE NOTE)		
15	200'	200'	200'	45'	55'	
20	200'	200'	200'	80'	55'	
25	200'	200'	200'	125'	55'	
30	350'	350'	350'	180'	85'	
35	350'	350'	350'	245'	120'	
40	350'	350'	350'	320'	220'	
45	350'	350'	350'	540'	360'	
50	500'	500'	500'	600'	425'	
55	500'	500'	500'	660'	495'	
60	500'	500'	500'	720'	570'	
65	500'	500'	500'	780'	645'	

- DISTANCE IN FEET UNLESS OTHERWISE NOTED.
  CONTRACTOR TO VERIFY EXISTING SPEED LIMIT.
- DISTANCE SHOWN ARE NOT VALID FOR LIMITED ACCESS HIGHWAYS. CONSULT STATE DOT MANUAL FOR DISTANCES.
- ADJUST DISTANCES TO COMPLY WITH REQUIREMENT OF THE STATE OR LOCAL HIGHWAY AUTHORITY HAVING JURISDICTION.
- TAPER LENGTHS SHOWN ON 12' LANE WIDTH.

### TRAFFIC CONTROL TABLE

SPEED LIMIT = 25 MPH

### TRAFFIC CONTROL NOTES

- 1. ALL DELINEATORS SHALL BE EQUIPPED WITH REFLECTORS AT NIGHT TIME
- 2. ALL TRAFFIC CONTROL DEVICES, STRIPES, MARKINGS, LEGENDS AND RAISED PAVEMENT MARKERS SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING: A) CA MUTCD, B) STATE OF CALIFORNIA STANDARD SPECIFICATIONS, C) SPECIAL PROVISIONS, AND D) STANDARD PLANS
- 3. THE CONTRACTOR PERFORMING THE WORK ON A PUBLIC STREET SHALL ASSUME RESPONSIBILITY AS FOLLOWS: A) INSTALL AND MAINTAIN THE TRAFFIC CONTROL DEVICES AS SHOWN HEREIN, B) ANY ADDITIONAL TRAFFIC CONTROL DEVICES THAT MAY BE REQUIRED TO INSURE THE SAFE MOVEMENT OF TRAFFIC AND PEDESTRIANS THROUGH OR AROUND THE WORK AREA, AND C) PROVIDE MAXIMUM PROTECTION AND SAFETY TO CONSTRUCTION WORKERS.
- 4. THE CITY OR COUNTY OF RECORD AS WELL AS CALTRANS RESERVE THE RIGHT TO OBSERVE THESE TRAFFIC CONTROL PLANS IN USE. THEY HAVE THE AUTHORITY TO MAKE ANY NECESSARY CHANGES AS FIELD CONDITIONS WARRANT. ANY CHANGES SHALL SUPERSEDE THESE PLANS. THE EXACT LOCATION OF ALL EQUIPMENT AND TRAFFIC CONTROL DEVICES SHALL BE DETERMINED BY THE ENGINEER.
- 5. ALL SIGNS, DELINEATORS, BARRICADES, ETC. AND THEIR INSTALLATION SHALL CONFORM TO THE LATEST EDITIONS OF THE: A) CA. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, B) THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS, C) SPECIAL PROVISIONS, AND D) STANDARD PLANS.
- 3. IN ORDER TO PRESERVE THEIR APPEARANCE AND CONTINUITY, ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN THEIR PROPER POSITION AT ALL TIMES AND SHALL BE REPAIRED, REPLACED OR CLEANED AS NECESSARY, AND AS DIRECTED BY THE ENGINEER
- 7. ALL TRAFFIC LANES SHALL HAVE A MINIMUM OF 5 FEET CLEARANCE FROM OPEN EXCAVATIONS AND MINIMUM OF 2 FEET FROM VERTICAL OBSTRUCTIONS
- 8. THE CONTRACTOR SHALL PROVIDE FLAGGERS AS DEEMED NECESSARY BY THE ENGINEER, COUNTY INSPECTOR, OR CALTRANS PERMIT INSPECTOR.
- 9. ALL ADVANCED WARNING SIGNS SHALL BE EQUIPPED WITH FLAGS.
- 10. ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE AT ALL TIMES DURING
- 11. PLACE ADDITIONAL SIGNS AS FOLLOWS: A) "LANE CLOSED", (C30) ON THE TYPE II BARRICADES AT 100 FOOT INTERVALS THROUGHOUT EXTENDED WORK AREAS IN EACH LANE THAT IS CLOSED AND B) "OPEN TRENCH" (C27) WHENEVER AN OPEN EXCAVATION AREA EXISTS ADJACENT TO THE TRAVELED WAY
- 12. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED FOLLOWING COMPLETION OF EACH CONSTRUCTION STAGE AND THE PERMANENT TRAFFIC CONTROL DEVICES SHALL BE RESTORED BY THE CONTRACTOR UPON
- 13. THE CONTRACTOR SHALL REPLACE AND/OR REPAIR ALL DAMAGED STRIPING AT THE END OF EACH WORKING DAY.
- 14. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICAN DISABILITY ACT AS RELATED TO PEDESTRIAN ACCESS AND SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES PER ADA REQUIREMENTS. ANY SIDEWALK CLOSURE AND/OR DETOUR SHALL COMPLY WITH THE WATCH STANDARDS AND MUST OBTAIN APPROVAL FROM THE CITY OR COUNTY OF
- 15. THE CONTRACTOR SHALL COVER OR REMOVE ALL CONFLICTING SIGNS.
- 16. THE CONTRACTOR SHALL POST "SYMBOLS" UNEVEN LANES. "STEEL PLATES AHEAD" OR "BUMP" SIGNS FOR PAVEMENT SURFACE DISRUPTIONS OF \$" OR GREATER. PAVEMENT DISRUPTIONS FOR 1" OR GREATER SHALL HAVE A BEVELED EDGE OF FOUR (4) HORIZONTAL TO ONE (1) VERTICAL.
- 17. BEFORE PLATE BRIDGING, THE CONTRACTOR SHALL INSTALL "CAUTION STEEL PLATES ADHEAD" AND/OR "ROUGH ROAD SIGNS.
- 18. THE RESIDENTS AND BUSINESSES SHALL BE NOTIFIED OF THE DATES & TIMES

### TRAFFIC SYMBOL LEGEND

TRAFFIC CONE (10' MAX SPACING)

TRAFFIC SIGN

LANE DIRECTION

STAGING AREA FLAGGER

SCALE



5001 EXECUTIVE PARKWAY SAN RAMON, CA 94583



4746 Clayton Rd, Concord, CA, 94521 **2** (925) 408-2159 
splanneng@gmail.com

www.planneng.com

DRAWN BY: CHECKED BY APPROVED BY:

REV DATE		DESCRIPTION
0	14/04/23	100% CD



CRAN RSFR PEBBL 005

3180 CORTEZ RD PEBBLE BEACH, CA 93953

TRAFFIC CONTROL PLAN

TCP-1

TRAFFIC CONTROL PLAN



SEE DRAWIN TDL Proj. Engr:

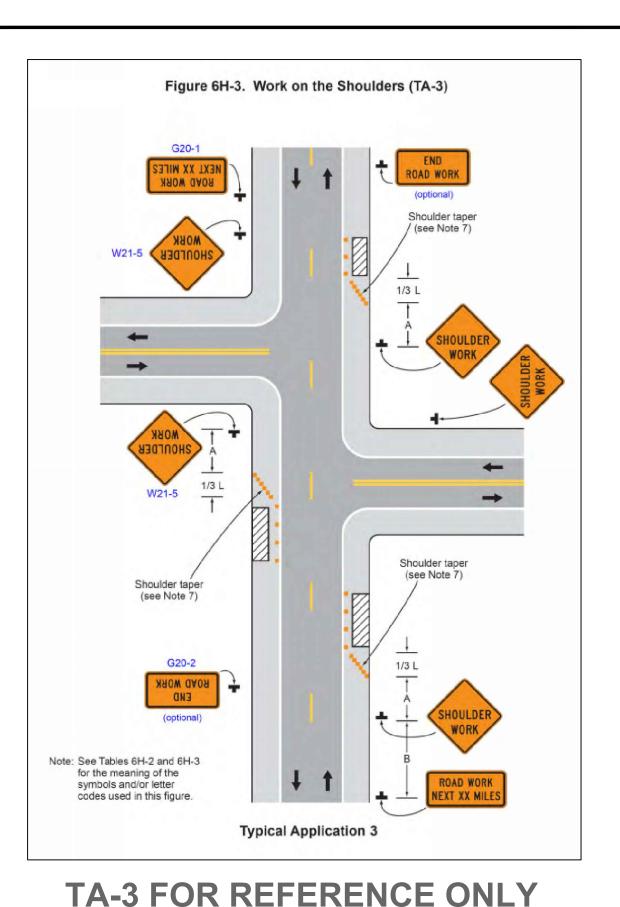
PLAN FOR THE IMPROVEMENT OF **CRAN RSFR PEBBL 005** 

3180 CORTEZ RD PEBBLE BEACH, CA 93953

PERMIT# PROJECT # OICE MAIL

DEPARTMENT OF PUBLIC WORKS PEBBLE BEACH, CALIFORNIA

DIRECTOR OF PUBLIC WORKS



PEDESTRIANS SHALL BE ESCORTED THROUGH OR AROUND THE WORK AREA, PER CAMUTCD TA-28 OR TA-29 AS APPLICABLE, THROUGHOUT THE COURSE OF WORK.

		CAN	MUTCD TA	ABLE	
POSTED SPEED (MPH)		DISTANCI BETWEEI SIGNS		TAPER	BUFFER
	Α	В	С	L (SEE NOTE)	
15	100'	100'	100'	45'	100'
20	100'	100'	100'	80'	115'
25	100'	100'	100'	125'	155'
30	250'	250'	250'	180'	250'
35	250'	250'	250'	245'	250'
40	350'	350'	350'	320'	305'
45	350'	350'	350'	540'	360'
50	500'	500'	500'	600'	425'
55	500'	500'	500'	660'	495'
60	500'	500'	500'	720'	570'
65	500'	500'	500'	780'	645'
NOTES:					

A. DISTANCE IN FEET UNLESS OTHERWISE NOTED.

- CONTRACTOR TO VERIFY EXISTING SPEED LIMIT. DISTANCE SHOWN ARE NOT VALID FOR LIMITED ACCESS HIGHWAYS. CONSULT STATE DOT MANUAL FOR
- DISTANCES. ADJUST DISTANCES TO COMPLY WITH
- REQUIREMENT OF THE STATE OR LOCAL HIGHWAY AUTHORITY HAVING JURISDICTION.
- TAPER LENGTHS SHOWN ON 12' LANE WIDTH.

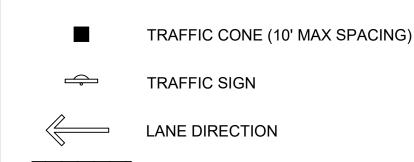
# TRAFFIC CONTROL TABLE

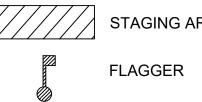
SPEED LIMIT = 15 MPH

# TRAFFIC CONTROL NOTES

- 1. ALL DELINEATORS SHALL BE EQUIPPED WITH REFLECTORS AT NIGHT TIME.
- 2. ALL TRAFFIC CONTROL DEVICES, STRIPES, MARKINGS, LEGENDS AND RAISED PAVEMENT MARKERS SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING: A) CA MUTCD, B) STATE OF CALIFORNIA STANDARD SPECIFICATIONS, C) SPECIAL PROVISIONS, AND D) STANDARD PLANS.
- 3. THE CONTRACTOR PERFORMING THE WORK ON A PUBLIC STREET SHALL ASSUME RESPONSIBILITY AS FOLLOWS: A) INSTALL AND MAINTAIN THE TRAFFIC CONTROL DEVICES AS SHOWN HEREIN, B) ANY ADDITIONAL TRAFFIC CONTROL DEVICES THAT MAY BE REQUIRED TO INSURE THE SAFE MOVEMENT OF TRAFFIC AND PEDESTRIANS THROUGH OR AROUND THE WORK AREA, AND C) PROVIDE MAXIMUM PROTECTION AND SAFETY TO CONSTRUCTION WORKERS.
- 4. THE CITY OR COUNTY OF RECORD AS WELL AS CALTRANS RESERVE THE RIGHT TO OBSERVE THESE TRAFFIC CONTROL PLANS IN USE. THEY HAVE THE AUTHORITY TO MAKE ANY NECESSARY CHANGES AS FIELD CONDITIONS WARRANT. ANY CHANGES SHALL SUPERSEDE THESE PLANS. THE EXACT LOCATION OF ALL EQUIPMENT AND TRAFFIC CONTROL DEVICES SHALL BE DETERMINED BY THE ENGINEER.
- 5. ALL SIGNS, DELINEATORS, BARRICADES, ETC. AND THEIR INSTALLATION SHALL CONFORM TO THE LATEST EDITIONS OF THE: A) CA. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, B) THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS, C) SPECIAL PROVISIONS, AND D) STANDARD PLANS.
- 6. IN ORDER TO PRESERVE THEIR APPEARANCE AND CONTINUITY, ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN THEIR PROPER POSITION AT ALL TIMES AND SHALL BE REPAIRED, REPLACED OR CLEANED AS NECESSARY, AND AS DIRECTED BY THE ENGINEER
- 7. ALL TRAFFIC LANES SHALL HAVE A MINIMUM OF 5 FEET CLEARANCE FROM OPEN EXCAVATIONS AND MINIMUM OF 2 FEET FROM VERTICAL OBSTRUCTIONS.
- 8. THE CONTRACTOR SHALL PROVIDE FLAGGERS AS DEEMED NECESSARY BY THE ENGINEER, COUNTY INSPECTOR, OR CALTRANS PERMIT INSPECTOR.
- 9. ALL ADVANCED WARNING SIGNS SHALL BE EQUIPPED WITH FLAGS.
- 10. ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE AT ALL TIMES DURING ANY WORK ON SITE.
- 11. PLACE ADDITIONAL SIGNS AS FOLLOWS: A) "LANE CLOSED", (C30) ON THE TYPE II BARRICADES AT 100 FOOT INTERVALS THROUGHOUT EXTENDED WORK AREAS IN EACH LANE THAT IS CLOSED AND B) "OPEN TRENCH" (C27) WHENEVER AN OPEN EXCAVATION AREA EXISTS ADJACENT TO THE TRAVELED WAY.
- 12. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED FOLLOWING COMPLETION OF EACH CONSTRUCTION STAGE AND THE PERMANENT TRAFFIC CONTROL DEVICES SHALL BE RESTORED BY THE CONTRACTOR UPON COMPLETION OF WORK.
- 13. THE CONTRACTOR SHALL REPLACE AND/OR REPAIR ALL DAMAGED STRIPING AT THE END OF EACH WORKING DAY.
- 14. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICAN DISABILITY ACT AS RELATED TO PEDESTRIAN ACCESS AND SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES PER ADA REQUIREMENTS. ANY SIDEWALK CLOSURE AND/OR DETOUR SHALL COMPLY WITH THE WATCH STANDARDS AND MUST OBTAIN APPROVAL FROM THE CITY OR COUNTY OF
- 15. THE CONTRACTOR SHALL COVER OR REMOVE ALL CONFLICTING SIGNS.
- 16. THE CONTRACTOR SHALL POST "SYMBOLS" UNEVEN LANES, "STEEL PLATES AHEAD" OR "BUMP" SIGNS FOR PAVEMENT SURFACE DISRUPTIONS OF  $\frac{1}{2}$ " OR GREATER. PAVEMENT DISRUPTIONS FOR 1" OR GREATER SHALL HAVE A BEVELED EDGE OF FOUR (4) HORIZONTAL TO ONE (1) VERTICAL.
- 17. BEFORE PLATE BRIDGING, THE CONTRACTOR SHALL INSTALL "CAUTION STEEL PLATES ADHEAD" AND/OR "ROUGH ROAD SIGNS.
- 18. THE RESIDENTS AND BUSINESSES SHALL BE NOTIFIED OF THE DATES & TIMES OF CONSTRUCTION TWO (2) WEEKS PRIOR TO THE WORK START DATE.

# TRAFFIC SYMBOL LEGEND







AT&T 5001 EXECUTIVE PARKWAY SAN RAMON, CA 94583



DRAWN BY:
CHECKED BY:
APPROVED BY:

REV	DATE	DESCRIPTION
0	14/04/23	100% CD



CRAN\_RSFR\_UNCI1\_005

4642 JEAN COURT UNION CITY, CA 94587

TRAFFIC CONTROL PLAN

TCP-1

TRAFFIC CONTROL PLAN



SEE DRAWING TDL BBB Checked: Proj. Engr: **REVISIONS**  DESIGN DESIGN CITY APPR.
BY DATE APPR. DATE

UNION CITY

FOR THE IMPROVEMENT OF CRAN\_RSFR\_UNCI1\_005 4642 JEAN COURT UNION CITY, CA 94587

24"x36" SCALE: 1" = 50'-0"  $11"\times17"$  SCALE: 1" = 100'-0"

VOICE MAIL:

PERMIT #

PROJECT #

CALIFORNIA

1"=50'-0" PROJECT ENGINEER DEPARTMENT OF TRANSPORTATION - OPS DATE DEPARTMENT OF TRANSPORTATION STREETLIGHT LAYOUT DATE MUNICIPAL WATER **ELECTRICAL CIRCUITS** MARLON DE LEON



UNION CITY, CALIFORNIA APPROVED BY MATTHEW CANO DIRECTOR OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS