

SITE NAME: HBNPB 07B
 SITE NUMBER: CRAN_RLOS_HBNPB_007
 PROJECT: CRAN/ SMALL CELL/ PICO
 USID: 191800/ FA: 14809765
 PACE: MRLOS045233



POLE TYPE: (N) CONCRETE LIGHT POLE
 POLE ID #: 4208324E

LATITUDE/LONGITUDE: 33.668575/ -118.016861

SITE ADDRESS: 112 GOLDENWEST ST.,
 HUNTINGTON BEACH, CA 92648

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.

- 2016 CALIFORNIA ADMINISTRATIVE CODE
- 2016 CALIFORNIA BUILDING CODE
- 2016 CALIFORNIA ELECTRIC CODE
- 2016 CALIFORNIA MECHANICAL CODE
- 2016 CALIFORNIA PLUMBING CODE
- 2016 CALIFORNIA FIRE CODE
- ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE
- CITY/COUNTY ORDINANCES

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

CODE COMPLIANCE

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. 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.

GENERAL NOTES



Dig Alert

Know what's below.
 Call before you dig.

CALIFORNIA SOUTH
 Call Two Working Days Before You Dig!
 811 / 800-227-2600

DIG ALERT

PUBLIC/PRIVATE: PUBLIC RIGHT-OF-WAY
 ADDRESS: 112 GOLDENWEST ST., HUNTINGTON BEACH, CA 92648
 APPLICANT: AT&T
 ADDRESS: 1452 EDINGER AVE TUSTIN, CA 92780
 LATITUDE (NAD 83): 33.668575
 LONGITUDE (NAD 83): -118.016861
 LAT/LONG TYPE: NAD-83
 GROUND ELEVATION (NAVD 88): ±20'
 JURISDICTION: CITY OF HUNTINGTON BEACH
 CURRENT ZONING: PUBLIC RIGHT OF WAY
 PROPOSED USE: UNMANNED TELECOMMUNICATIONS
 POWER COMPANY: SCE
 ADDRESS: 1 INNOVATION WAY POMONA, CA 91768

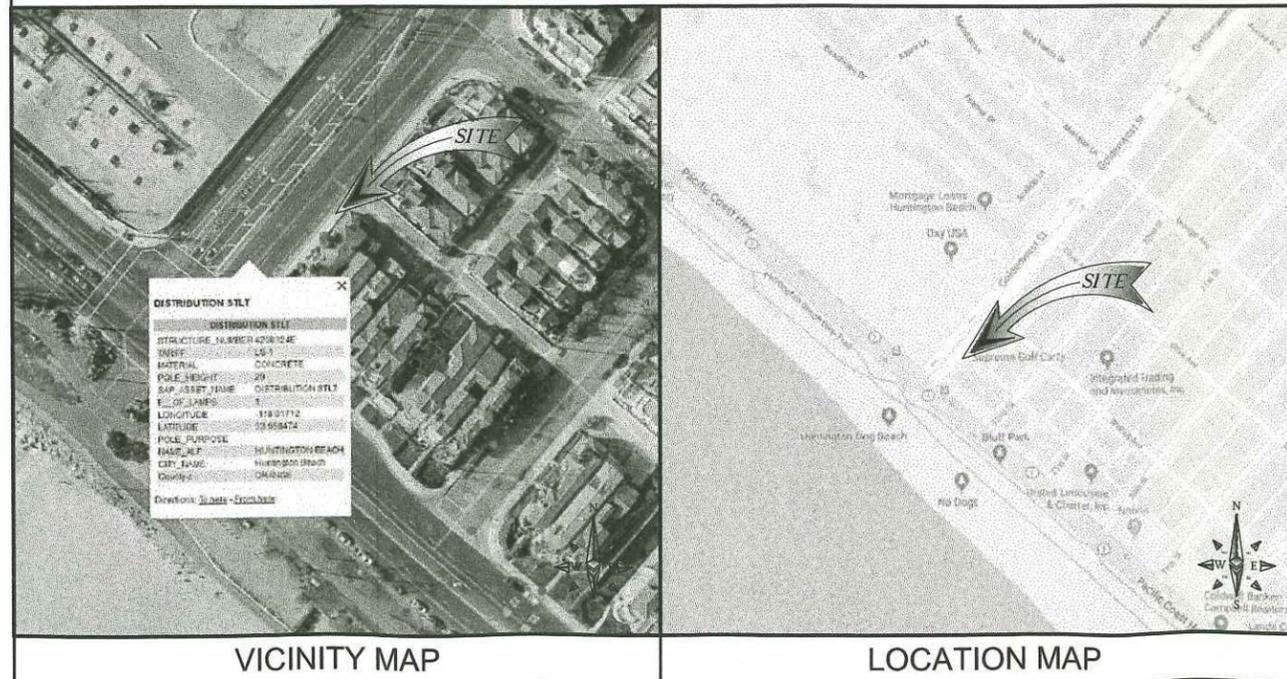
PROJECT SITE INFORMATION

PROJECT MANAGER:
 M SQUARED WIRELESS
 1387 CALLE AVANZADO
 SAN CLEMENTE, CA 92673
 SAC/ZONING/PERMITTING:
 M SQUARED WIRELESS
 1387 CALLE AVANZADO
 SAN CLEMENTE, CA 92673
 RF ENGINEER:
 AT&T
 1452 EDINGER AVE.
 TUSTIN, CA 92618
 CONTACT: KARLO DAVINAGRACIA
 EMAIL: KD270J@ATT.COM

ENGINEER:
 M SQUARED WIRELESS
 1387 CALLE AVANZADO
 SAN CLEMENTE, CA 92673
 SENIOR TECHNICAL PROJECT MANAGER:
 AT&T
 1452 EDINGER AVE.
 TUSTIN, CA 92618
 CONTACT: TED SUEKAWA
 EMAIL: TS4994@ATT.COM

PROJECT TEAM

AREA MAPS



VICINITY MAP

LOCATION MAP

DIRECTIONS FROM AT&T OFFICE:
 DIRECTION ARE TAKEN FROM
 1452 EDINGER AVE.
 TUSTIN, CA 92780

DESTINATION WILL BE ON THE RIGHT:
 112 GOLDENWEST ST., HUNTINGTON BEACH, CA 92648

- TURN LEFT ONTO EDINGER AVE
- TURN LEFT ONTO STATE ROUTE 55 S
- MERGE ONTO STATE ROUTE 55 S
- TAKE THE CA-1 RAMP
- TURN RIGHT ONTO CA-1 N
- TURN RIGHT ONTO GOLDENWEST ST

DRIVING DIRECTIONS

IF USING 11"x17" PLOT, DRAWING WILL BE HALF SCALE

CONSTRUCTION DRAWING

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT & MAY IMPOSE CHANGES OR MODIFICATIONS.

APPROVED BY:	INITIALS:	DATE:
AT&T RF ENGINEER:		
AT&T OPERATIONS:		
SITE ACQUISITION MANAGER:		
PROJECT MANAGER:		
ZONING VENDOR:		
LEASING VENDOR:		
CONSTRUCTION MANAGER:		
A/E MANAGER:		
PROPERTY OWNER:		
UTILITY MANAGER:		

APPROVALS

AT&T PROPOSES TO INSTALL A NEW WIRELESS INSTALLATION LOCATED IN THE PUBLIC RIGHT OF WAY TO (N) CONCRETE LIGHT POLE.

THE SCOPE WILL CONSIST OF THE FOLLOWING:

- * SCE TO REMOVE (1) EXISTING SCE CONCRETE STREETLIGHT
- * SCE TO INSTALL (1) 29'-3" CONCRETE STREETLIGHT
- * AT&T TO INSTALL (4) NEW AT&T REMOTE RADIO UNITS
- * AT&T TO INSTALL (1) NEW AT&T OMNI-DIRECTIONAL ANTENNA
- * AT&T TO INSTALL (1) NEW AT&T EQUIPMENT SHROUD
- * AT&T TO INSTALL (1) NEW RAYCAP DISCONNECT
- * AT&T TO INSTALL (1) NEW HANDHOLE

PROJECT DESCRIPTION

SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
GN-1	GENERAL NOTES
A-1	SITE PLAN
A-2	ELEVATIONS
A-3	ELEVATIONS
A-4	SITE IMAGE
D-1	DETAILS
D-2	DETAILS
S-1	POLE DETAILS
E-1	ELECTRICAL & GROUNDING DETAILS

DRAWING INDEX

SUBCONTRACTOR 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 OR BE RESPONSIBLE FOR SAME.

DO NOT SCALE DRAWINGS



333 COMMERCIAL, STE. 200
 IRVINE, CA 92602



DRAWN BY: EG

CHECKED BY: MM

REV	DATE	DESCRIPTION
A	01/16/2019	90% CONSTRUCTION

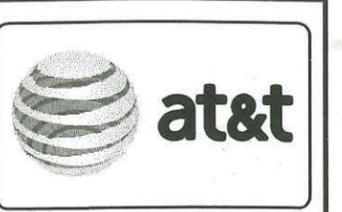
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SHEET TITLE
 TITLE SHEET

SHEET NUMBER
 T-1

	NEW ANTENNA		GROUT OR PLASTER		TELCO RUN
	EXISTING ANTENNA		(E) BRICK		GROUNDING CONDUCTOR
	GROUND ROD		(E) MASONRY		GROUNDING CONDUCTOR
	GROUND BUS BAR		CONCRETE		CONDUIT UNDERGROUND
	MECHANICAL GRND. CONN.		EARTH		
	CADWELD		GRAVEL		
	GROUND ACCESS WELL		PLYWOOD		
	ELECTRIC BOX		SAND		FUSE, SIZE AND TYPE AS INDICATED.
	TELEPHONE BOX		WOOD CONT.		SAFETY SWITCH, 2P-240V-60A W60A FUSES, NEMA 3R ENCLOSURE, SQ D CATALOG NO. H222NRB
	LIGHT POLE		WOOD BLOCKING		MANUAL TRANSFER SWITCH, 2P-240V-200A, NO FUSE, NEMA 3R ENCLOSURE
	FND. MONUMENT		STEEL		LIGHTING FIXTURE, FLUORESCENT, 10.94" x 4'-0", 2/40W, SURFACE MOUNTING TYPE, HUBBELL LIGHTING CATALOG #W5W232T
	SPOT ELEVATION		PROPERTY/LEASE LINE		LIGHTING FIXTURE, FLUORESCENT, 10.94" x 8'-0", 2/95W, SURFACE MOUNTING TYPE, HUBBELL LIGHTING CATALOG #TWSM232T
	SET POINT		MATCH LINE		LIGHTING FIXTURE, HIGH PRESSURE SODIUM, 1/70W, WALL MOUNTING TYPE, HUBBELL LIGHTING CATALOG #NRG-307 OR 1/50W, HUBBELL LIGHTING CATALOG #NRG-121
	REVISION		WORK POINT		EXIT SIGN, THERMOPLASTIC LED, SINGLE FACE, UNIVERSAL MOUNTING, W/BATTERY PACK, HUBBELL LIGHTING CATALOG #PRB
	GRID REFERENCE		GROUND CONDUCTOR		COMBINATION, EXIT SIGN & EMERGENCY LIGHTING, HUBBELL LIGHTING CATALOG #PRC
	DETAIL REFERENCE		COAXIAL CABLE		EMERGENCY LIGHTING, 2/50W, HUBBELL LIGHTING CATALOG #HE6-50-2-R91
	ELEVATION REFERENCE		OVERHEAD SERVICE CONDUCTORS		LIGHTING FIXTURE, INCANDESCENT, 1/100W, WALL MOUNTING TYPE, HUBBELL LIGHTING CATALOG #BRH-100-06-1
	SECTION REFERENCE		CHAIN LINK FENCING		LIGHTING FIXTURE, HALOGEN, QUARTZ, 1/300W, HUBBELL LIGHTING CATALOG #QL-505
			OVERHEAD TELEPHONE/OVERHEAD POWER		LIGHTING FIXTURE, 1/175W, METAL HALIDE, HUBBELL CAT #MIC-0175H-336
			OVERHEAD TELEPHONE LINE		5/8" X 10'-0" CU. GND ROD 30" MIN. BELOW GRADE.
			OVERHEAD POWER LINE		
			POWER RUN		
			POWER/FIBER RUN		

1. THE FACILITY IS AN UNOCCUPIED DIGITAL TELECOMMUNICATION FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A 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.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION ENGINEER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
5. 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.
6. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
7. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION ENGINEER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.
8. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
9. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
10. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
11. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING (SHEET LS1 OR SHEET C-1), 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 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 ENGINEER.
12. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, VEGETATION, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF AT&T.
13. 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.
14. PENETRATIONS OF ROOF MEMBRANES SHALL BE PATCHED/FLASHED AND MADE WATERTIGHT USING LIKE MATERIALS IN ACCORDANCE WITH NRCA ROOFING STANDARDS AND DETAILS. CONTRACTOR SHALL OBTAIN DETAILING CLARIFICATION FOR SITE-SPECIFIC CONDITIONS FROM ENGINEER, IF NECESSARY, BEFORE PROCEEDING.
15. BEFORE ORDERING AND/OR BEFORE FABRICATING/CONSTRUCTING/INSTALLING ANY ITEMS, VERIFY THE TYPES AND QUANTITIES.
16. CONTRACTOR SHALL PROVIDE SITE FOREMAN WITH A CELLULAR PHONE AND PAGER, AND KEEP SAME ON SITE WHENEVER PERSONNEL ARE ON SITE.
17. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE SITE AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCIES BEFORE STARTING ANY WORK.
18. CONTRACTOR TO PROVIDE COMPLETE SET OF AS BUILT DRAWINGS WITHIN 10 WORKING DAYS OF PROJECT COMPLETION.
19. CONTRACTOR IS TO EXCAVATE 6" BELOW EXISTING GRADE AND SPRAY WITH WEED CONTROL. REPLACE WITH CLASS II AGGREGATE BASE AND CRUSHED WASHED ROCK, AS SPECIFIED ON SITE PLAN.
20. CONTRACTOR SHALL PROVIDE TOILET FACILITY DURING ALL PHASES OF CONSTRUCTION.
21. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR THE FABRICATION OF MATERIALS TO BE INSTALLED AT THE SITE, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS INCLUDING AS-BUILT DIMENSIONS OF EXISTING STRUCTURES OR STRUCTURAL ELEMENTS HAVING A BEARING ON THE SCOPE OF THE WORK TO BE PERFORMED. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE DIMENSIONS OR CONDITIONS FOUND TO BE EXISTING IN THE FIELD, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OBTAIN DESIGN RESOLUTION PRIOR TO PROCEEDING WITH THE PORTION(S) OF THE WORK AFFECTED. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO SO NOTIFY THE ENGINEER AND OBTAIN RESOLUTION BEFORE PROCEEDING.



DRAWN BY:	EG
CHECKED BY:	MM

REV	DATE	DESCRIPTION
A	01/16/2019	90% CONSTRUCTION

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SITE ID: HBNPB 07B
112 GOLDENWEST ST.
HUNTINGTON BEACH, CA, 92648

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-1

ABBREVIATIONS

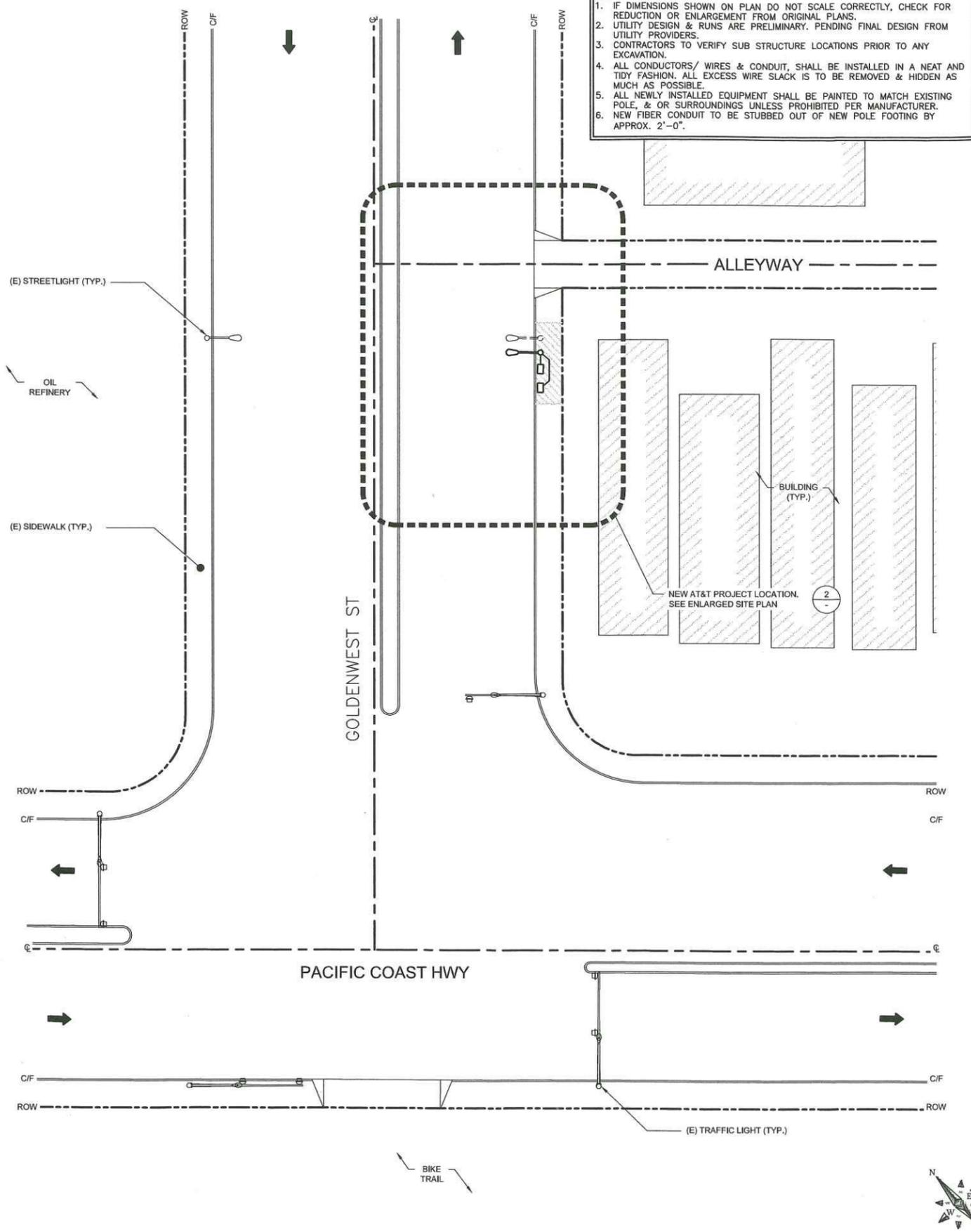
A	AMPERE	EMT.	ELECTRICAL METALLIC TUBING	MTD.	MOUNTED	T.O.F.	TOP OF FOUNDATION
A.B.	ANCHOR BOLT	E.N.	EDGE NAIL	MTG.	MOUNTING	T.O.P.	TOP OF PLATE (PARAPET)
ABV.	ABOVE	ENCL.	ENCLOSURE	MTL.	METAL	T.O.S.	TOP OF STEEL
AC	ALTERNATE CURRENT/AIR CONDITIONER	ENG.	ENGINEER	MTS.	MANUAL TRANSFER SWITCH	T.O.W.	TOP OF WALL
ACCA	ANTENNA CABLE COVER ASSEMBLY	EQ.	EQUAL	N	NEUTRAL	TYP.	TYPICAL
ADDL	ADDITIONAL	EXST.(E)	EXISTING	(N)	NEW	U.G.	UNDER GROUND
A.F.F.	ABOVE FINISHED FLOOR	EXP.	EXPANSION	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.	U.L.	UNDERWRITERS LABORATORY INC.
A.F.G.	ABOVE FINISHED GRADE	EXT.	EXTERIOR	NO.(#)	NUMBER	UNITS	UNIVERSAL MOBIL. TECH. SYS. (3G MOBILE TECH.)
AIC	AMPERE INTERRUPTING CAPACITY	FAB.	FABRICATION(OR)	NT.S.	NOT TO SCALE	U.N.O.	UNLESS NOTED OTHERWISE
ALUM.	ALUMINUM	FAC.	FACTOR	OBIF	OPTICAL BASEBAND INTERFACE	V	VOLT
ALT.	ALTERNATE	F/A	FIRE ALARM	OH	OVERHEAD	VAC	VOLT ALTERNATING CURRENT
ANT.	ANTENNA	F.F.	FINISH FLOOR	O.C.	ON CENTER	V.I.F.	VERIFY IN FIELD
APPROX.	APPROXIMATELY	F.G.	FINISH GRADE	OPNG.	OPENING	W	WATT OR WIRE
ARCH.	ARCHITECTURAL	FIN.	FINISHED	P	POLE	WD	WIDE(WIDTH)
AT.	AMPERE TRIP	FLR.	FLOOR	P/C	PRECAST CONCRETE	W	WITH
AWG.	AMERICAN WIRE GAUGE	FLUOR	FLUORESCENT	PCS	PERSONAL COMMUNICATION SERVICES	W/O	WITHOUT
BATT.	BATTERY	FDN.	FOUNDATION	PH	PHASE	WD.	WEATHERPROOF
BD.	BOARD	F.O.C.	FACE OF CONCRETE	PLY	PLYWOOD	W.P.	WEIGHT
BLDG.	BUILDING	F.O.M.	FACE OF MASONRY	PNLBD	PANELBOARD	WT.	TRANSFER
BLK.	BLOCK	F.O.S.	FACE OF STUD	PPC	POWER PROTECTION CABINET	XFMR	TRANSFORMER
BLKG.	BLOCKING	F.O.W.	FACE OF WALL	PRC	PRIMARY RADIO CABINET	XFMR	TRANSFORMER
BM.	BEAM	F.S.	FINISH SURFACE	PRJ	PRIMARY	XLPE	CROSS-LINK POLYETHYLENE
E.N.	BOUNDARY NAILING	FT.(')	FOOT (FEET)	P.S.F.	POUNDS PER SQUARE FOOT	C	CENTERLINE
BR.	BRANCH	FTG.	FOOTING	P.S.I.	POUNDS PER SQUARE INCH	E	PLATE, PROPERTY LINE
BRKR.	BREAKER	FU	FUSE	P.T.	PRESSURE TREATED		
BTOW.	BARE TINNED COPPER WIRE	G	GROUND	PWR.	POWER (CABINET)		
BTS.	BASE TRANSMISSION SYSTEM	GR	GROWTH (CABINET)	QTY.	QUANTITY		
B.O.F.	BOTTOM OF FOOTING	GA.	GAUGE	RAD.(R)	RADIUS		
B/U	BACK-UP CABINET	GEN.	GENERATOR	RBS	RADIO BASE STATION		
C	CONDUIT	GL	GALVANIZED		(BASE STATION 3G NETWORKS)		
CAB.	CABINET	G.F.C.I	GROUND FAULT CIRCUIT INTERRUPTER	RCPT.	RECEPTACLE		
CANT.	CANTILEVERED	GL.B. (GLU-LAM)	GLUE LAMINATED BEAM	REF.	REFERENCE		
CB.	CIRCUIT BREAKER	GND	GROUND	REINF.	REINFORCEMENT(ING)		
CDMA	CODE-DIVISION MULTIPLE ACCESS (2G & 3G)	GPS	GLOBAL POSITIONING SYSTEM	REQ'D.	REQUIRED		
CDUK	CONSOLIDATION DISTRIBUTION UNIT KIT	GRND.	GROUND	RGS.	RIGID GALVANIZED STEEL		
C.I.P.	CAST IN PLACE	GSM	GLOBAL SYSTEM MOBILE (2G+ MOBILE TECH.)	RRU	REMOTE RADIO UNIT		
CKT.	CIRCUIT	HDBC	HARD DRAWN COPPER WIRE		(RADIO TRANSMITTER)		
CLG.	CEILING	HDR.	HEADER	RX-AIT	RECEIVER AIR INTERFACE TRAY		
CLR.	CLEAR	HGR.	HANGER	SAF	SAFETY		
CMU	CONCRETE MASONRY UNIT (JAMB BLOCKS)	HPS	HIGH PRESSURE SODIUM	SCH.	SCHEDULE		
COLUMN	COLUMN	HT.	HEIGHT	SDBC	SOFT DRAWN BARE COPPER		
CONC.	CONCRETE	ICGB.	ISOLATED COPPER GROUND BUS	SEC.	SECONDARY		
CONN.	CONNECTION(OR)	IN.(")	INCH(ES)	SHT.	SHEET		
CONST.	CONSTRUCTION	INT.	INTERIOR	SIM.	SIMILAR		
CONT.	CONTINUOUS	LB.(#)	POUND(S)	S.N.	SOLID NEUTRAL		
d	PENNY (NAILS)	L.B.	LAG BOLTS	SPEC.	SPECIFICATION(S)		
DBL.	DOUBLE	L.F.	LINEAR FEET (FOOT)	SQ.	SQUARE		
DC	DIRECT CURRENT	L.G.	LENGTH	S.S.	STAINLESS STEEL		
DEM.	DEMAND	L.	LONG(ITU DINAL)	STD.	STANDARD		
DEPT.	DEPARTMENT	LPS	LOW PRESSURE SODIUM	STL	STEEL		
D.F.	DOUGLAS FIR	LTE	LONG TERM EVOLUTION (4G MOBILE TECH.)	STRUC.	STRUCTURAL		
DIA.	DIAMETER	MAS.	MASONRY	SURF.	SURFACE		
DIAG.	DIAGONAL	MAX.	MAXIMUM	SW	SWITCH		
DIM.	DIMENSION	M.B.	MACHINE BOLT	TEL	TELEPHONE		
DWG.	DRAWING(S)	MECH.	MECHANICAL	TEMP.	TEMPORARY		
DWL.	DOWEL(S)	MFR.	MANUFACTURER	THK.	THICKNESS		
E.A.	EACH	MIN.	MINIMUM	TMS	TOWER MOUNTED AMPLIFIER		
EGR.	EMERGENCY GENERATOR RECEPTACLE	MISC.	MISCELLANEOUS	T.N.	TOE NAIL		
EL.	ELEVATION	MLO	MAIN LUGS ONLY	T.O.A.	TOP OF ANTENNA		
ELEC.	ELECTRICAL			T.O.C.	TOP OF CURB		
ELEV.	ELEVATOR						

ABBREVIATIONS

3 GENERAL NOTES

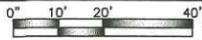
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- NOTE:
1. IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.
 2. UTILITY DESIGN & RUNS ARE PRELIMINARY. PENDING FINAL DESIGN FROM UTILITY PROVIDERS.
 3. CONTRACTORS TO VERIFY SUB STRUCTURE LOCATIONS PRIOR TO ANY EXCAVATION.
 4. ALL CONDUCTORS/ WIRES & CONDUIT, SHALL BE INSTALLED IN A NEAT AND TIDY FASHION. ALL EXCESS WIRE SLACK IS TO BE REMOVED & HIDDEN AS MUCH AS POSSIBLE.
 5. ALL NEWLY INSTALLED EQUIPMENT SHALL BE PAINTED TO MATCH EXISTING POLE, & OR SURROUNDINGS UNLESS PROHIBITED PER MANUFACTURER.
 6. NEW FIBER CONDUIT TO BE STUBBED OUT OF NEW POLE FOOTING BY APPROX. 2'-0".



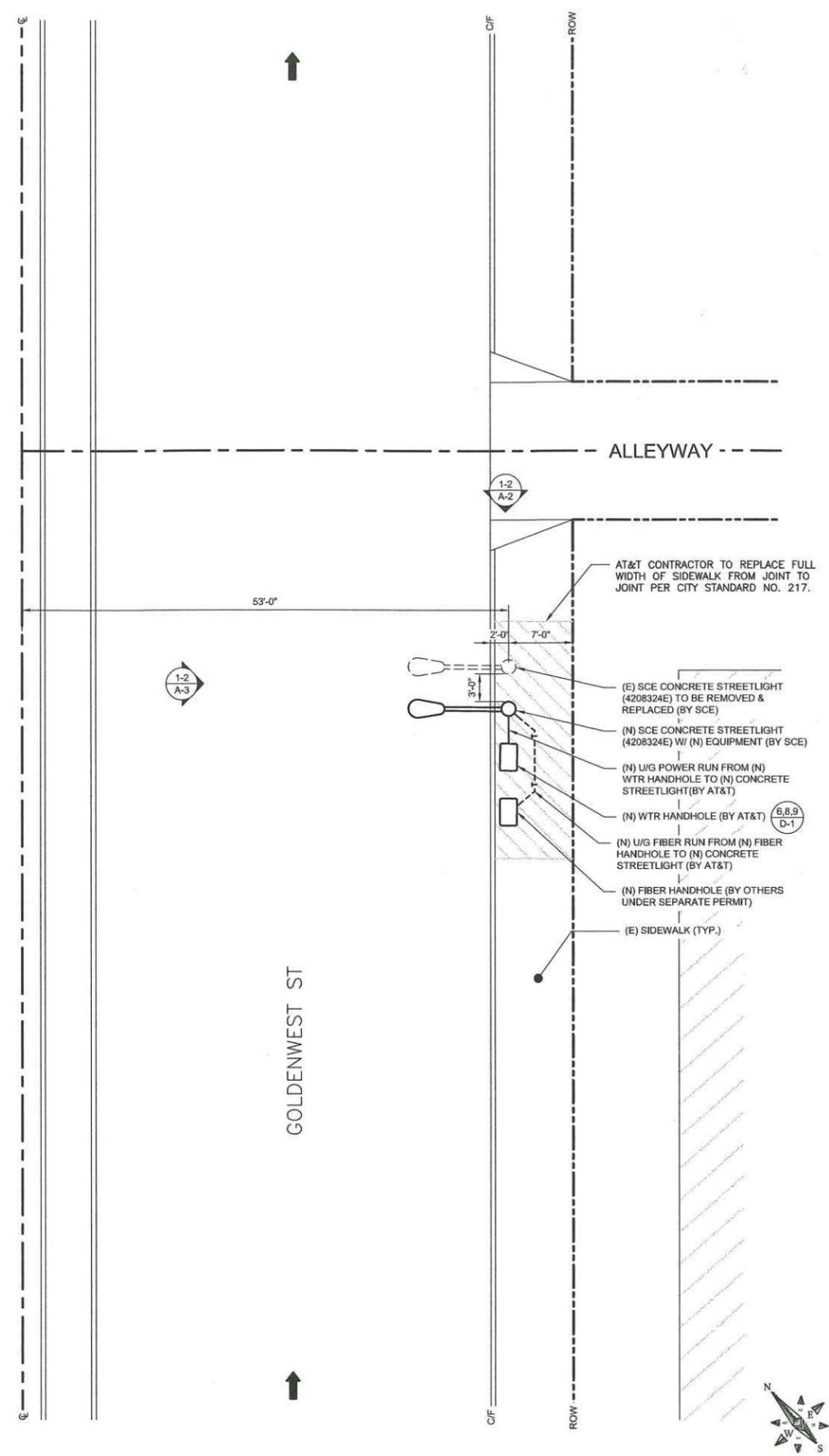
SITE PLAN

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

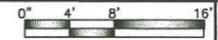


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ENLARGED SITE PLAN



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



2



DRAWN BY: EG
 CHECKED BY: MM

REV	DATE	DESCRIPTION
A	01/18/2019	90% CONSTRUCTION

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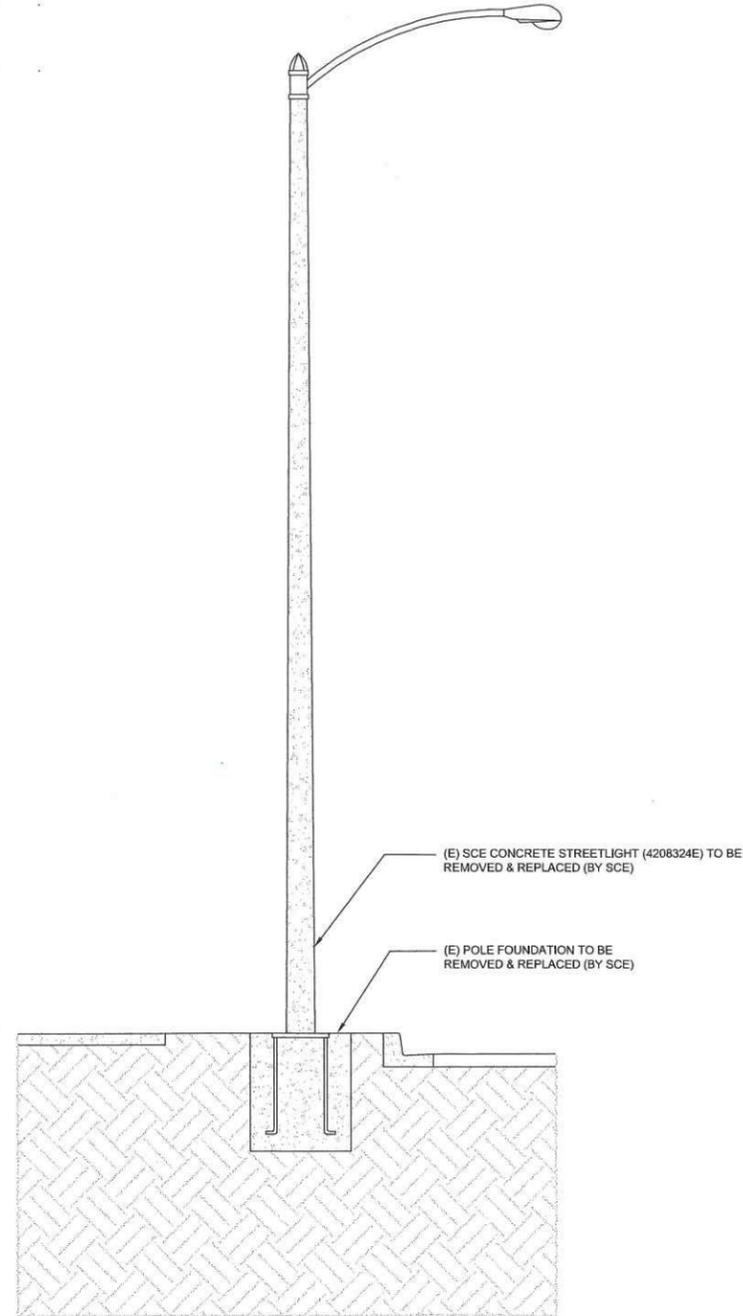
SHEET TITLE
SITE PLAN

SHEET NUMBER
A-1

T/O OF (E) LUMINAIRE
30'-6" A.G.L.

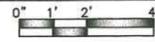
T/O OF (E) POLE
28'-7" A.G.L.

(E) GROUND LEVEL
0'-0" A.G.L.



EXISTING NORTHEAST ELEVATION

24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"

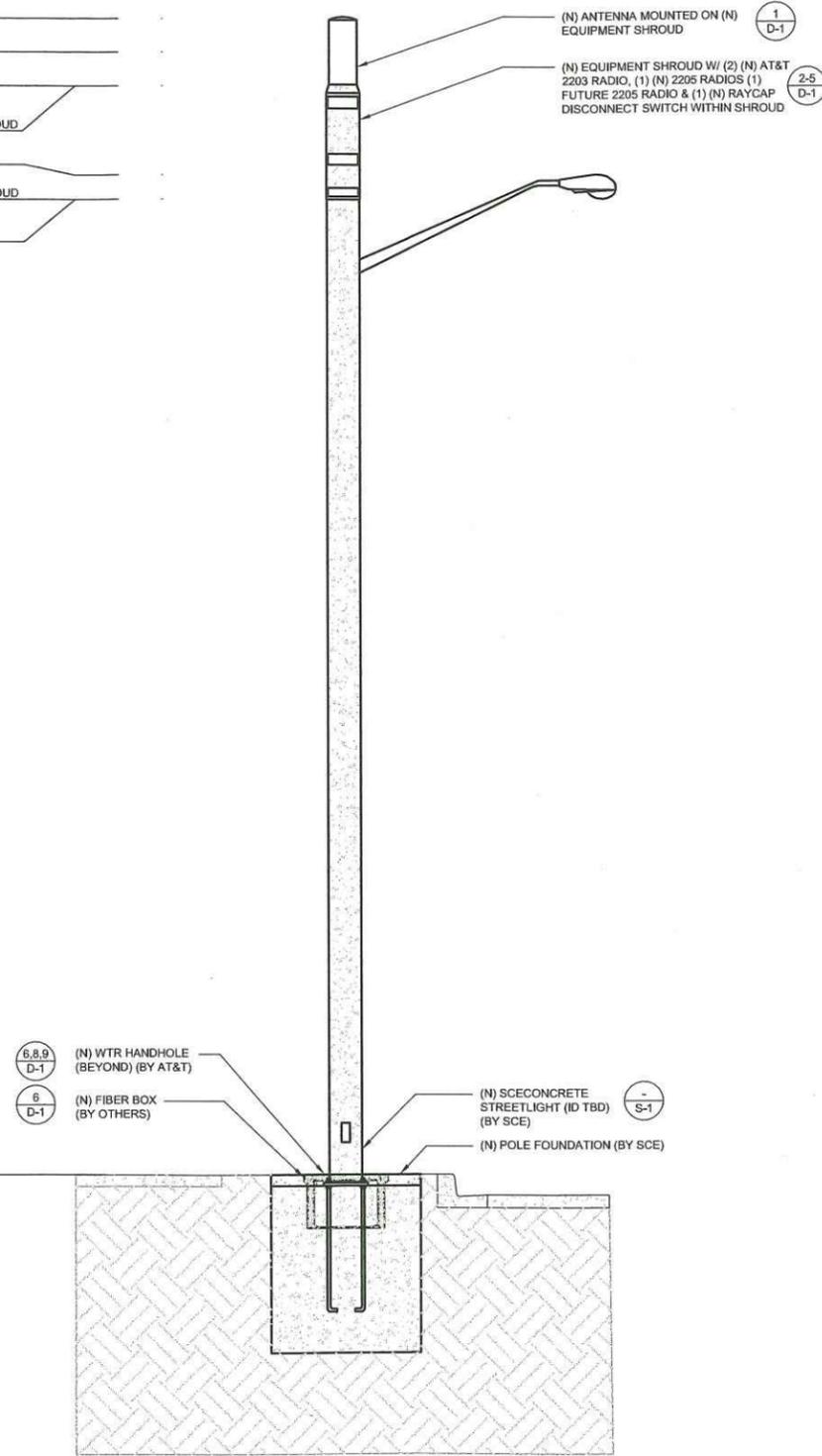


2

NOTE:
ALL NEW EQUIPMENT SHALL BE PAINTED
TO MATCH NEW CONCRETE LIGHT POLE

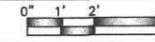
- T/O OF (N) ANTENNA
34'-9" A.G.L.
- C/L OF (N) ANTENNA
33'-8" A.G.L.
- B/O OF (N) ANTENNA
32'-8" A.G.L.
- T/O OF (N) EQUIPMENT SHROUD
32'-8" A.G.L.
- T/O OF (N) LUMINAIRE
30'-0" A.G.L.
- B/O OF (N) EQUIPMENT SHROUD
29'-3" A.G.L.
- T/O OF (N) POLE
29'-3" A.G.L.

(E) GROUND LEVEL
0'-0" A.G.L.



NEW NORTHEAST ELEVATION

24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"



1



DRAWN BY: EG
CHECKED BY: MM

REV	DATE	DESCRIPTION
A	01/16/2019	90% CONSTRUCTION

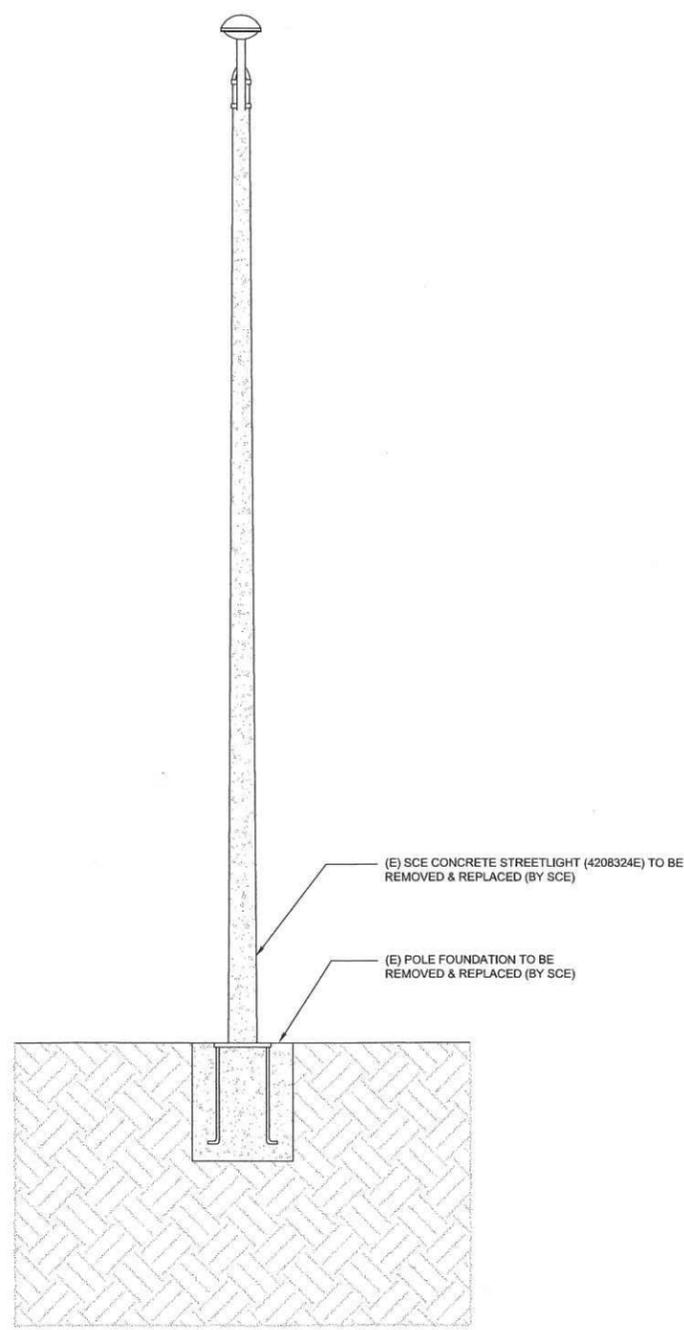
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE ID: HBNPB 07B
112 GOLDENWEST ST.
HUNTINGTON BEACH, CA, 92648

SHEET TITLE
ELEVATIONS

SHEET NUMBER
A-2

- ⊕ T/O (E) LUMINAIRE
30'-6" A.G.L.
- ⊕ T/O (E) POLE
28'-7" A.G.L.



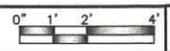
⊕ (E) GROUND LEVEL
0'-0" A.G.L.

(E) SCE CONCRETE STREETLIGHT (4208324E) TO BE REMOVED & REPLACED (BY SCE)

(E) POLE FOUNDATION TO BE REMOVED & REPLACED (BY SCE)

EXISTING NORTHWEST ELEVATION

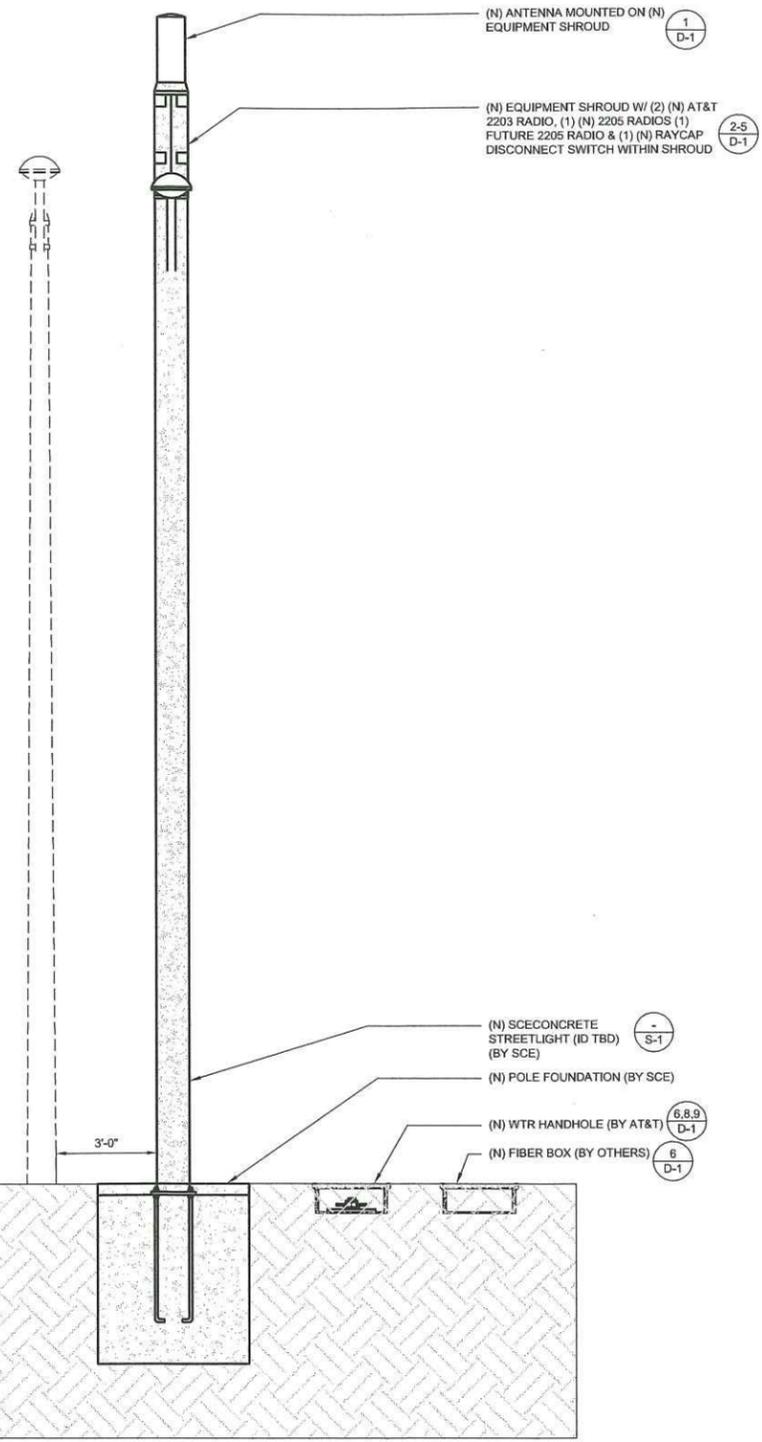
24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"



2

NOTE:
ALL NEW EQUIPMENT SHALL BE PAINTED
TO MATCH NEW CONCRETE LIGHT POLE

- ⊕ T/O (N) ANTENNA
34'-9" A.G.L.
- ⊕ C/L OF (N) ANTENNA
33'-8" A.G.L.
- ⊕ B/O (N) ANTENNA
32'-8" A.G.L.
- ⊕ T/O (N) EQUIPMENT SHROUD
32'-8" A.G.L.
- ⊕ T/O (N) LUMINAIRE
29'-10" A.G.L.
- ⊕ B/O (N) EQUIPMENT SHROUD
29'-3" A.G.L.
- ⊕ T/O (N) POLE
28'-3" A.G.L.



⊕ (E) GROUND LEVEL
0'-0" A.G.L.

(N) ANTENNA MOUNTED ON (N) EQUIPMENT SHROUD (1 D-1)

(N) EQUIPMENT SHROUD W/ (2) (N) AT&T 2203 RADIO, (1) (N) 2205 RADIOS (1) FUTURE 2205 RADIO & (1) (N) RAYCAP DISCONNECT SWITCH WITHIN SHROUD (2-5 D-1)

(N) SCE CONCRETE STREETLIGHT (ID TBD) (BY SCE) (- S-1)

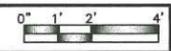
(N) POLE FOUNDATION (BY SCE)

(N) WTR HANDHOLE (BY AT&T) (6.8.9 D-1)

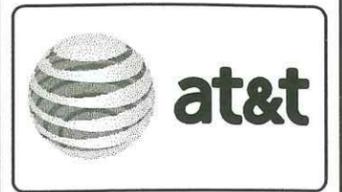
(N) FIBER BOX (BY OTHERS) (6 D-1)

NEW NORTHWEST ELEVATION

24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"



1



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CHECKED BY: MM

REV	DATE	DESCRIPTION
A	01/16/2019	90% CONSTRUCTION

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SITE ID: HBNPB 07B
112 GOLDENWEST ST.
HUNTINGTON BEACH, CA, 92648

SHEET TITLE
ELEVATIONS

SHEET NUMBER
A-3



ERICSSON
 330 COMMERCE, STE. 200
 IRVINE, CA 92602



M SQUARED WIRELESS
 1387 CALLE AVANZADO
 SAN CLEMENTE CA 92777 (949) 301-0524

DRAWN BY: EG

CHECKED BY: MM

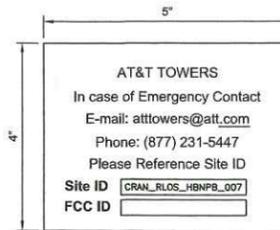
REV	DATE	DESCRIPTION
A	01/16/2019	90% CONSTRUCTION

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SITE ID: HBNPB 07B
112 GOLDENWEST ST.
HUNTINGTON BEACH, CA, 92648

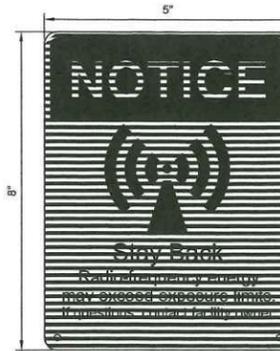
SHEET TITLE
SITE IMAGE

SHEET NUMBER
A-4



OWNER / OPERATOR NOTE:
 SITE ID LABEL TO BE AFFIXED AT OR NEAR THE POINT OF POWER CONNECTION WITH TZeS241 LABELING TAPE OR EQUIVALENT BLACK ON WHITE LABELING TAPE OF AT LEAST 18mm WIDTH WITH EXTRA-STRENGTH ADHESIVE. USE ANY COMPATIBLE P-TOUCH LABEL MAKER. TEXT SHOULD BE PRINTED IN ALL CAPS WITH A MINIMUM HEIGHT OF 1/2".

EMERGENCY CONTACT SIGN

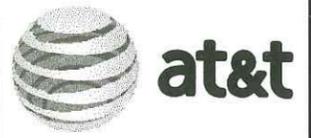
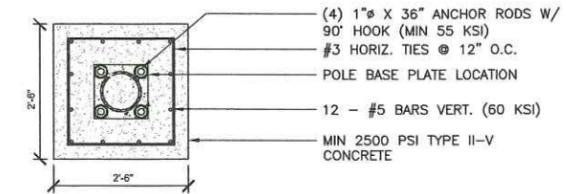
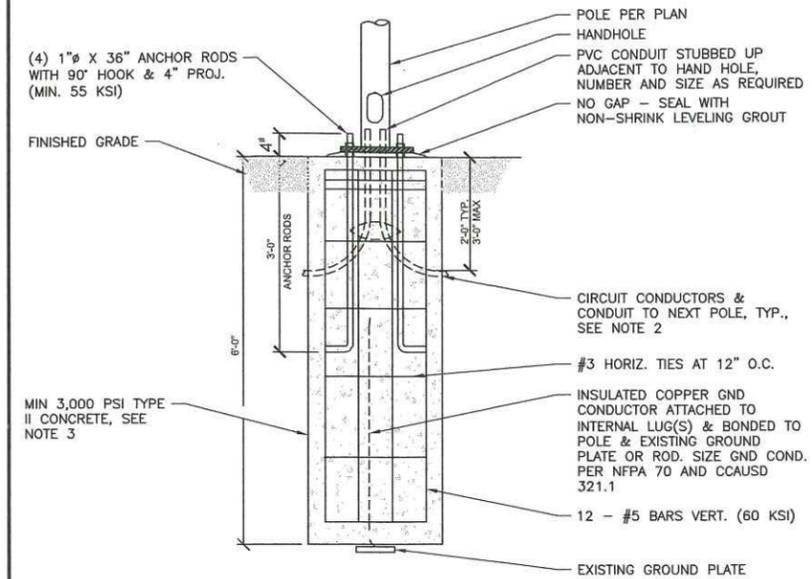


ANTENNA SIGNAGE:
 ON WOOD POLES - SIGN ON ALUMINUM WITH SS SCREW TO THE POLE
 ON METAL POLES - ADHESIVE VINYL OR PLACARD STRAPPED WITH SS TIES
 ON CONCRETE / COMPOSITE - PLACARD STRAPPED WITH SS TIES
SIGN PLACEMENT:
 AFFIX TO THE STRUCTURE 3-4' BELOW THE COMMERCIAL RF ANTENNA(S)
 SIZE APPROX. 8" x 5"

ANTENNA SIGNAGE

NOTES:

- THIS INFORMATION MAY NOT CONTAIN ALL DETAILS REQUIRED FOR CONSTRUCTION. APPROPRIATE MODIFICATION MAY BE REQUIRED TO ENSURE SUITABILITY OF THESE DRAWINGS FOR THE SPECIFIC APPLICATION.
- FOR FIBER CONDUIT, STUB OUT FROM FOUNDATION AWAY FROM STREET SIDE FOR FUTURE FIBER HANDHOLE INSTALLATION.
- WHERE KNOWN HIGH SULFATE CONTENT EXISTS IN SOIL, USE TYPE V CEMENT.



DRAWN BY:	EG
CHECKED BY:	MM

REV	DATE	DESCRIPTION
A	01/16/2019	90% CONSTRUCTION

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SITE ID: HBNPB 07B
112 GOLDENWEST ST.
HUNTINGTON BEACH, CA, 92648

SHEET TITLE
DETAILS

SHEET NUMBER
D-2

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

POLE MOUNTED SIGNS 24"x36" SCALE: NTS 11"x17" SCALE: NTS 3

NEW FOUNDATION 24"x36" SCALE: NTS 11"x17" SCALE: NTS 1

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

NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 4

TRENCH DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 2



330 COMMERCE, 3TC, 200
IRVINE, CA 92602



387 CALLE AVANZADO
SAN CLEMENTE, CA 92673 (949) 391-0524

DRAWN BY: EG

CHECKED BY: MM

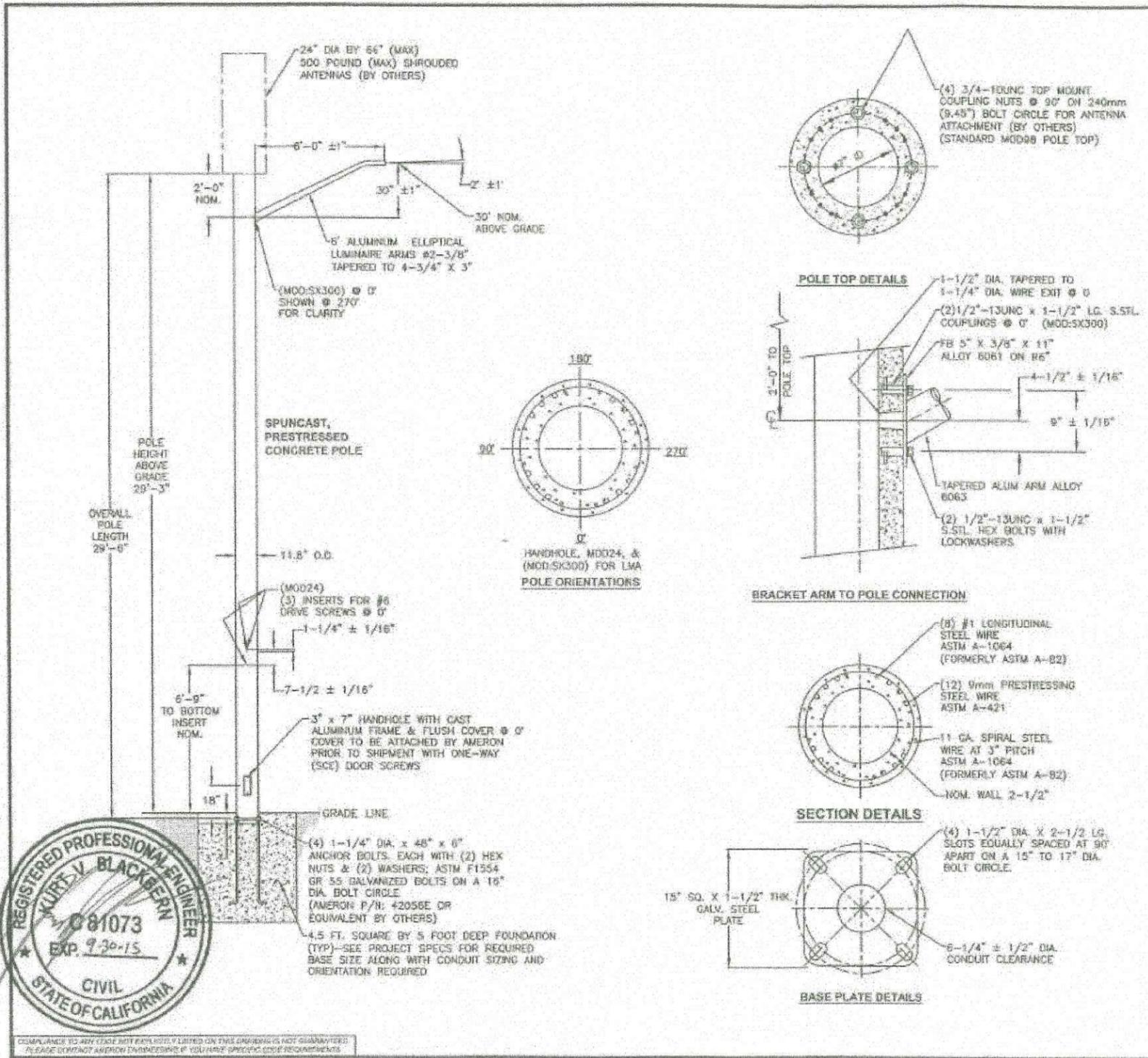
REV	DATE	DESCRIPTION
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SITE ID: HBNPB 07B
112 GOLDENWEST ST.
HUNTINGTON BEACH, CA, 92648

SHEET TITLE
POLE DETAILS

SHEET NUMBER
S-1



REV.	DATE	DESCRIPTION	DRN.	APPR.
A	09/07	REDRAWN, ADDED POLE P/N	A.C.	
B	05/08	UPDATED FOR ORACLE	T.L.	
C	02/10	A/B WERE A36M55, NOW A307	J.C.	
D	06/15	UPDATED TO NEW DWG. STDS.	L.P.	

"F" LEVEL CONFIG CODES			"P" LEVEL CONFIG CODES		
OPTION CLASS	ENTRY	INFO.	OPTION CLASS	ENTRY	INFO.
COATING	5		MIX	81	
HH COVER	66546E		FINISH	5	
DOOR SCRS	SCE		BASEPLATE	63250E	
DRILL IN MOD	MOD24		COLLAR	NONE	
			POLE TOP CON.	MOD98	
			CAST-IN MOD	MOD5X300	

300MM NON-TAPERED BASE PLATE ROUND POLE

POLE DESIGN-NATION	POLE HEIGHT ABOVE GRADE	OVERALL POLE LENGTH	BOLT CIRCLE	BASE O.D.	ULTIMATE G.L. MOMENT (ft.-lbs.)	POLE WEIGHT (lbs.)
BP300X09	29'-3"	29'-6"	16"	11-13/16"	65,000	2900

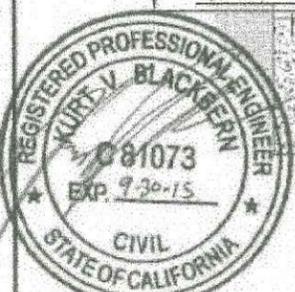
() POLES REQUIRED (P/N: BP300X09-16137), EACH WITH 6' WALL BRACKET ELLIPTICAL ARM (P/N: LAE66A)

- NOTES:**
- MIX (815S): SCE BLACK & WHITE, LIGHTLY EXPOSED AGGREGATE FINISH WITH FLAT WATER SEALER COATING.
 - ASTM C-150 TYPE III GRAY CEMENT.
 - Fc @ 28 DAYS=7,000 PSI, USING SPUN CYLINDER TEST.
 - Fc @ 28 DAYS=5,000 PSI, USING ASTM C-31 CYLINDER TEST.
 - POLES MANUFACTURED TO ASTM C-1089-13 SPECIFICATIONS.
 - PROTECTIVE COAT EXPOSED P.C. WIRES AT POLE ENDS.
 - THE POLE DEPICTED ON THIS DRAWING IS DESIGNED TO WITHSTAND THE LOADS IMPARTED BY A SINGLE SIDE MOUNTED TAPERED ELLIPTICAL ALUMINUM ARM (NOT TO EXCEED 6' OFFSET, 3.7 SQ. FT. EPA, 25 LBS.) WITH THE ARM HOLDING A DOWNWARD FACING AREA OR PENDENT LUMINAIRE (NOT TO EXCEED 2.0 SQ. FT. EPA, 50 POUNDS); THE POLE ALSO SUPPORTS (1) ANTENNA SHROUD CENTERED 3' ABOVE THE POLE TOP (NOT TO EXCEED 6.3 SQ. FT. EPA, 225 LBS. MAX) AS DESIGNED PER THE 2013 AASHTO LTS-6 (CRITERIA FOR STREET LIGHTING POLES), 2010 CALIFORNIA BUILDING CODE & ASCE7-05 FOR 98 MPH WIND AND SEISMIC ZONE (3-SECOND GUSTS) & SEISMIC CRITERIA S_s=1.75 & S₁=0.6. PLEASE CONTACT & ADVISE AMERON ENGINEERING IF THE INTENDED VALUES EXCEED THESE VALUES.
 - DUE TO THE NATURE & CHARACTERISTICS OF CONCRETE, SIDE MOUNT SPACING DIMENSIONS CAN ONLY BE TAKEN TO THE NEAREST 1/8 INCH.
- APPROVED BY _____ DATE _____

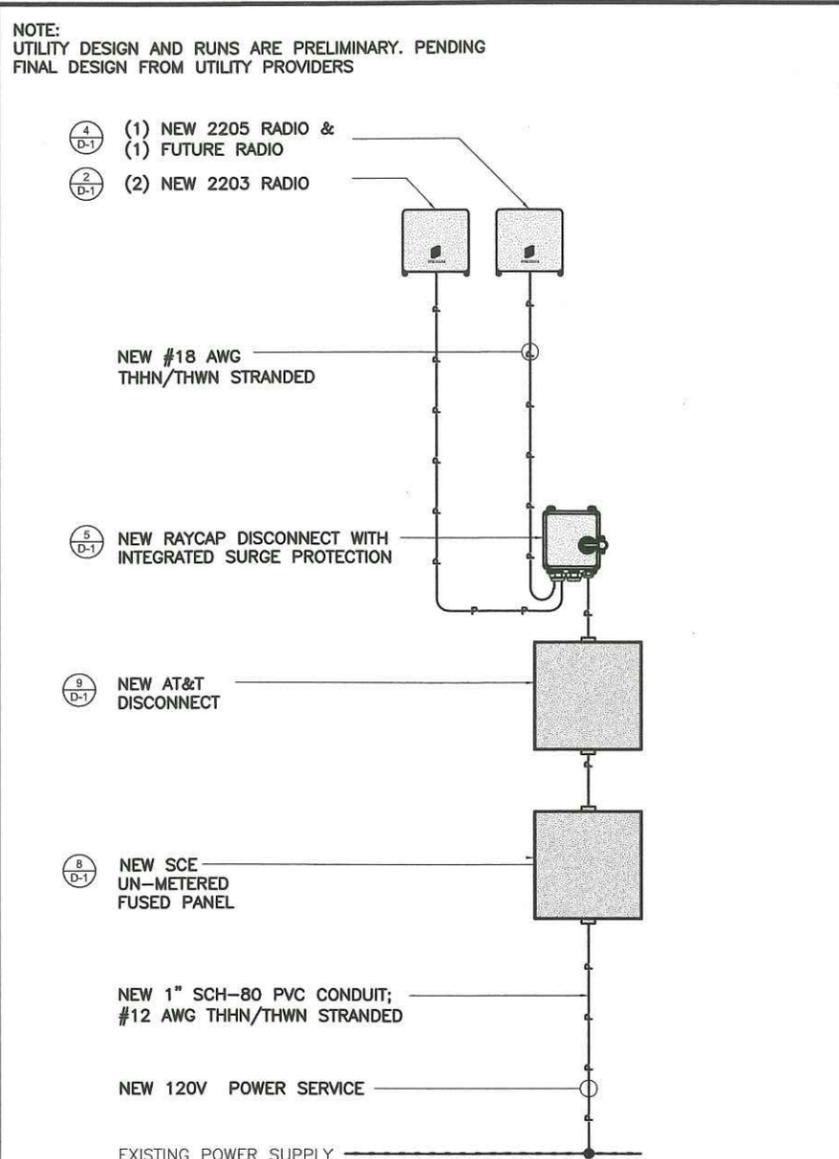
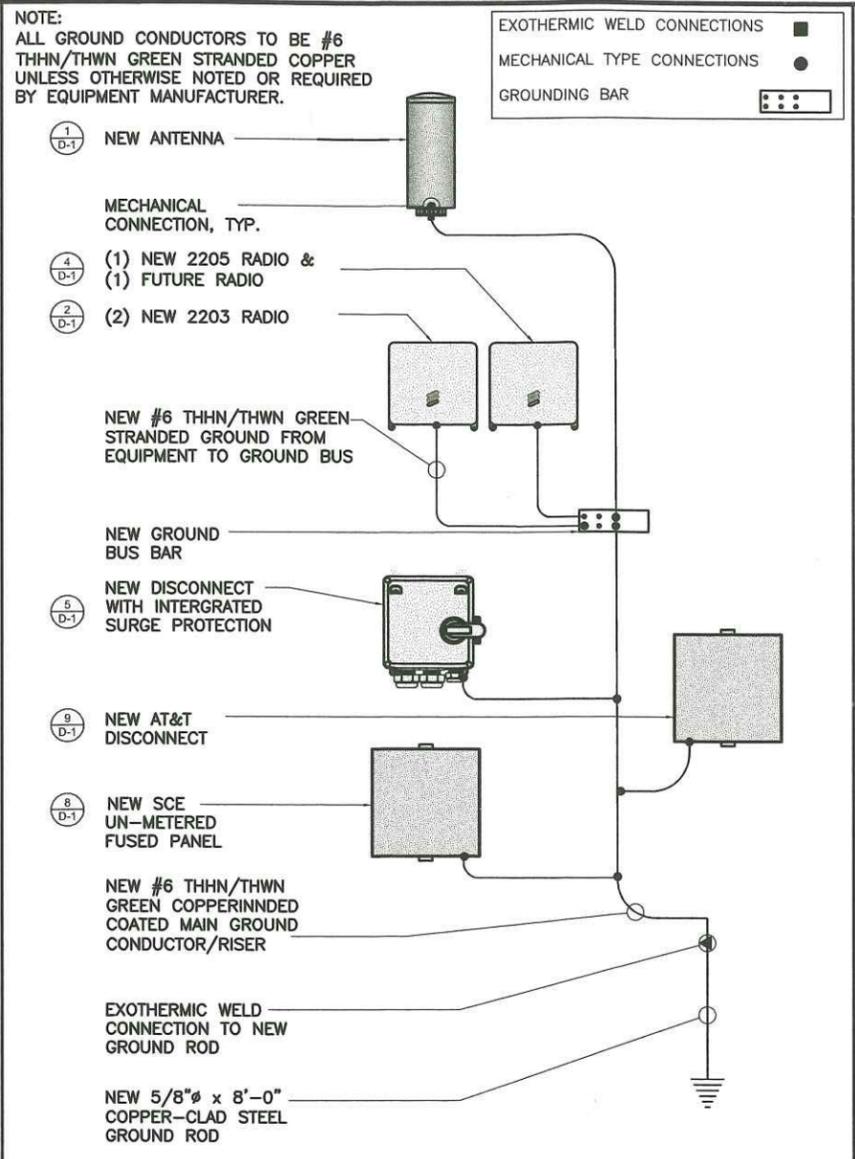
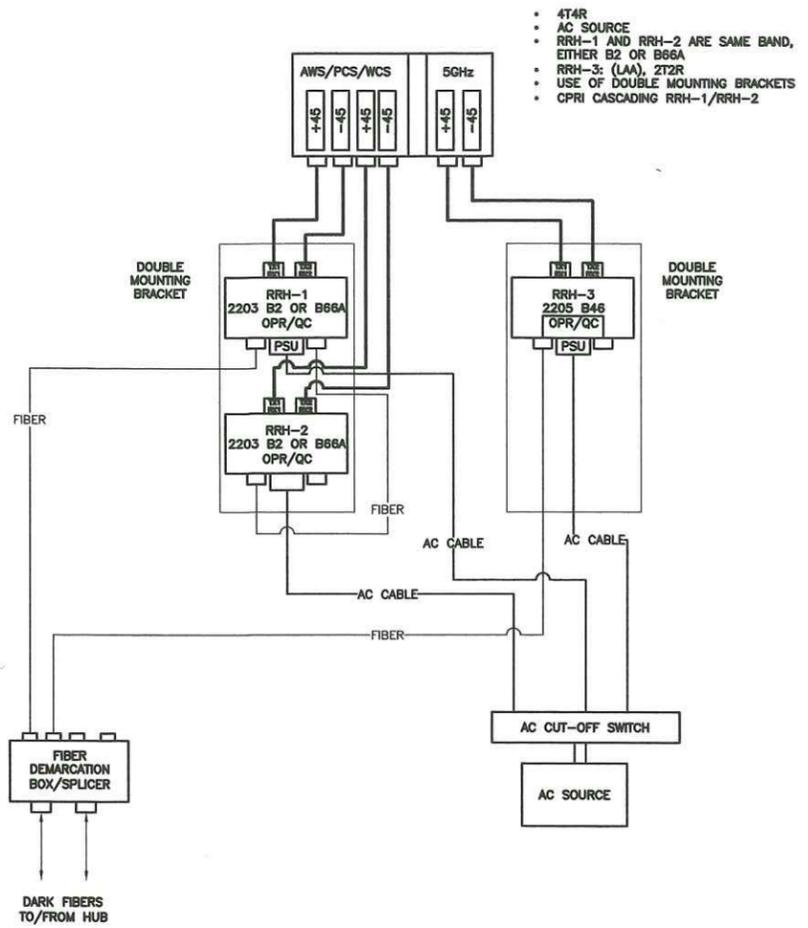
SOUTHERN CALIFORNIA EDISON
BP300X09 POLE WITH SINGLE 6' ARM

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	DRAWN: SJB	DATE: 10/2003
	SCALE: N.T.S.	DWG. NO. 040-01277
	REV: D	



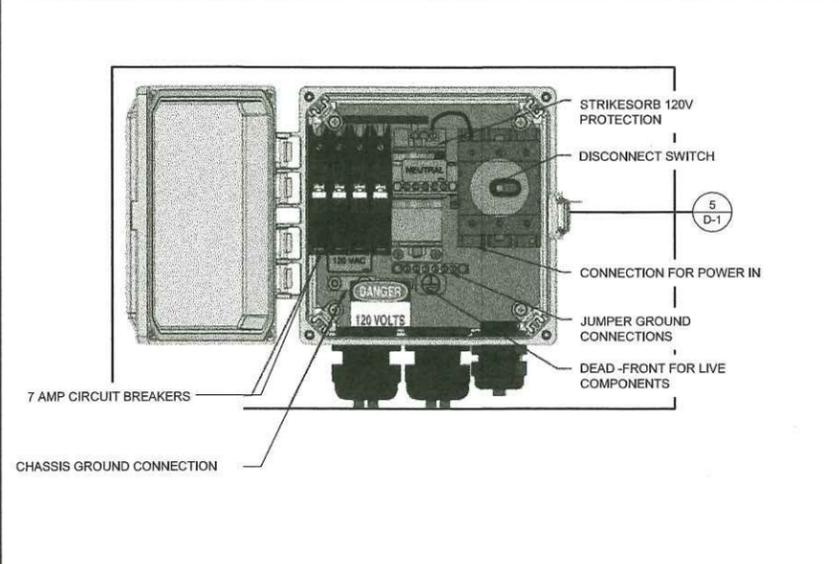
COMPLIANCE TO ANY STATE NOT LISTED ON THIS DRAWING IS NOT GUARANTEED. PLEASE CONTACT AMERON ENGINEERING IF YOU HAVE SPECIFIC STATE REQUIREMENTS.



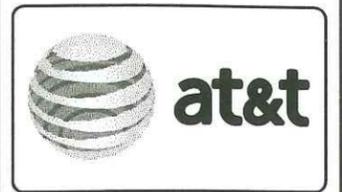
PICO PLUMBING DIAGRAM 24"x36" SCALE: NTS 11"x17" SCALE: NTS 5

GROUNDING SCHEMATIC 24"x36" SCALE: NTS 11"x17" SCALE: NTS 3

SINGLE LINE DIAGRAM 24"x36" SCALE: NTS 11"x17" SCALE: NTS 1



BREAKER SCHEDULE 24"x36" SCALE: NTS 11"x17" SCALE: NTS 2



DRAWN BY: EG
 CHECKED BY: MM

REV	DATE	DESCRIPTION
A	01/16/2019	90% CONSTRUCTION

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SITE ID: HBNPB 07B
 112 GOLDENWEST ST.
 HUNTINGTON BEACH, CA, 92648

SHEET TITLE
ELECTRICAL DETAILS

SHEET NUMBER
E-1

MSQUARE
WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-6824

CRAN_RLOS_HBNPB_007

HBNPB 07B

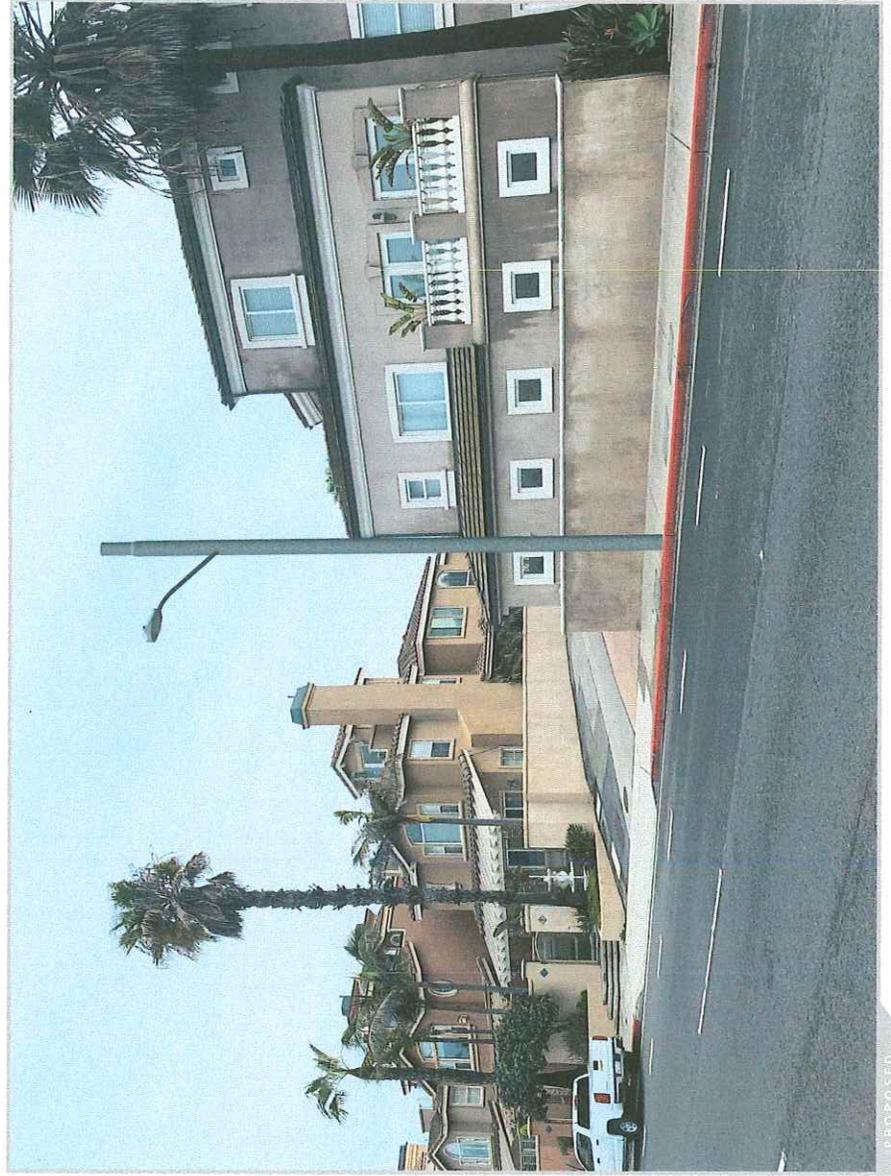


112 GOLDENWEST ST HUNTINGTON BEACH, CA 92648



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LOCATION



PROPOSED

EXISTING

VIEW 3 | LOOKING NORTHEAST

M SQUARE
WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-8824

CRAN_RLOS_HBNPB_007

HBNPB 07B



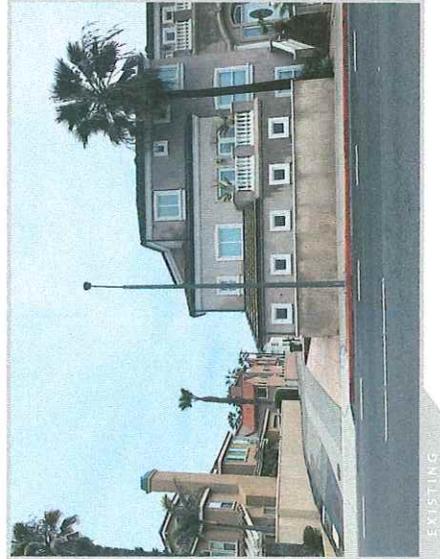
112 GOLDENWEST ST HUNTINGTON BEACH, CA 92648



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PROPOSED



EXISTING

VIEW 2 | LOOKING SOUTHEAST

M SQUARE
WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-9824

CRAN_RLOS_HBNPB_007

HBNPB 07B

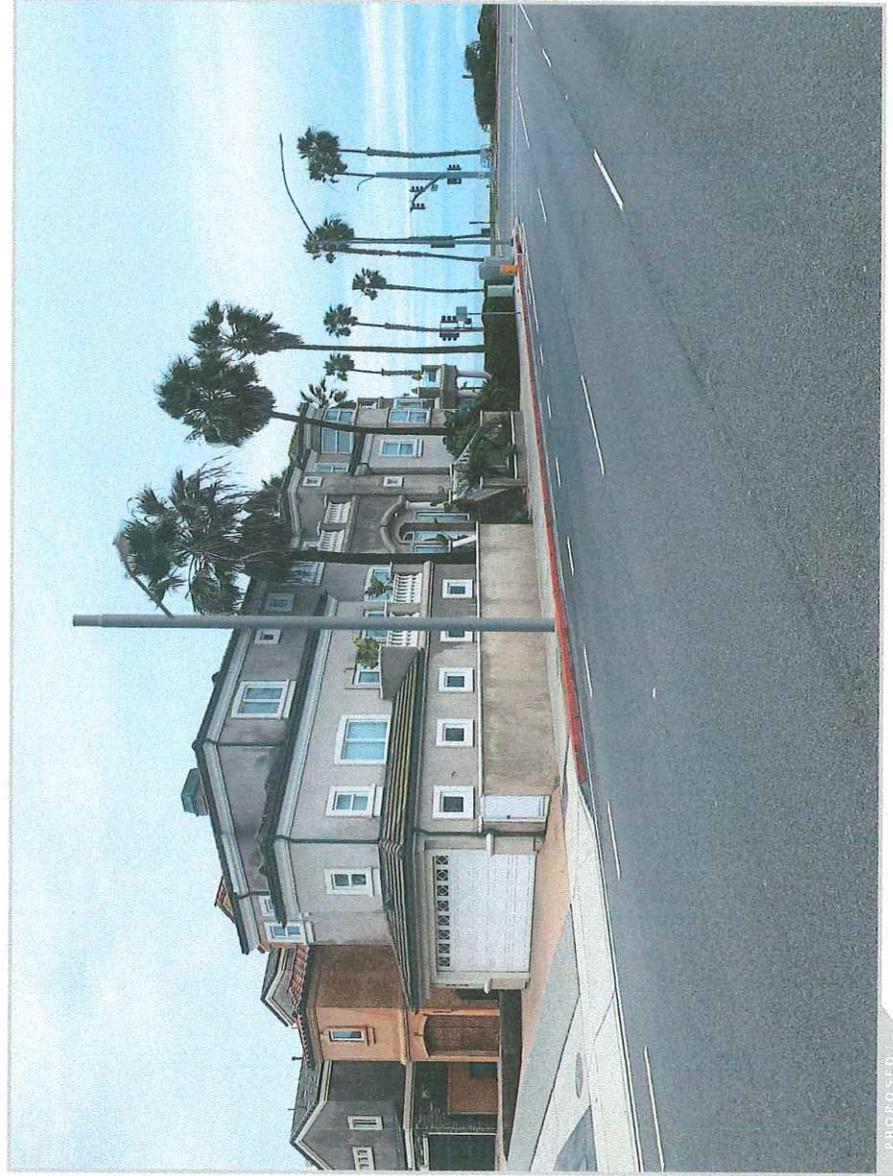


112 GOLDENWEST ST HUNTINGTON BEACH, CA 92648

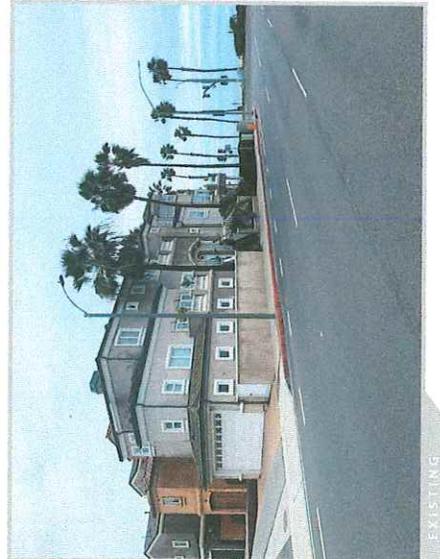


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LOCATION



PROPOSED



EXISTING

VIEW 1 | LOOKING SOUTH