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

# CRAN_RLOS_HBBCH_003

## HBBCH 03A

E/S/O PCH 363' SOUTH OF MOBILE PARK HOME ENTRANCE AT 21752 PCH
HUNTINGTON BEACH, CA 92646

RECEIVED
MAR 29 2019
Dept. of Community Development

AT&T

LOCATION

@2016 Google Maps

EXISTING

PROPOSED

LOOKING NORTH FROM PACIFIC COAST HWY

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

# CRAN_RLOS_HBBCH_003

## HBBCH 03A

AT&T

E/S/O PCH 363' SOUTH OF MOBILE PARK HOME ENTRANCE AT 21752 PCH
HUNTINGTON BEACH, CA 92646

LOCATION

©2016 Google Maps

EXISTING

PROPOSED

LOOKING NORTHEAST FROM PACIFIC COAST HWY

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

# CRAN_RLOS_HBBCH_003

## HBBCH 03A

AT&T

E/S/O PCH 363' SOUTH OF MOBILE PARK HOME ENTRANCE AT 21752 PCH
HUNTINGTON BEACH, CA 92646

LOCATION

@2016 Google Maps

EXISTING

PROPOSED

LOOKING EAST FROM PACIFIC COAST HWY

# SITE NAME: HBBCH 03A
# SITE NUMBER: CRAN_RLOS_HBBCH_003
# PROJECT: CRAN/ SMALL CELL
# USID: 204414
# PACE: MRLOS046907

03-28-19
REV 1

at&t

## POLE TYPE: (N) WOOD UTILITY POLE
## POLE ID #: GT23293
## SITE ADDRESS:E/S/O PCH 150' EAST OF MOBILE HOME PARK ENTRANCE AT 21752 PCH.,HUNTINGTON BEACH, CA 92646

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.

1. 2016 CALIFORNIA ADMINISTRATIVE CODE
2. 2016 CALIFORNIA BUILDING CODE
3. 2016 CALIFORNIA ELECTRIC CODE
4. 2016 CALIFORNIA MECHANICAL CODE
5. 2016 CALIFORNIA PLUMBING CODE
6. 2016 CALIFORNIA FIRE CODE
7. ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE
8. 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

811 **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: | E/S/O PCH 150' EAST OF MOBILE HOME PARK ENTRANCE AT 21752 PCH., HUNTINGTON BEACH, CA 92646 |
| APPLICANT: | AT&T |
| ADDRESS: | 1452 EDINGER AVE TUSTIN, CA 92780 |
| LATITUDE (NAD 83): | 33.645719 |
| LONGITUDE (NAD 83): | -117.983282 |
| LAT/LONG TYPE: | NAD-83 |
| GROUND ELEVATION (NAVD 88) | ±10' |
| 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
PHONE: (714) 566-7310
EMAIL: KD270J@ATT.COM

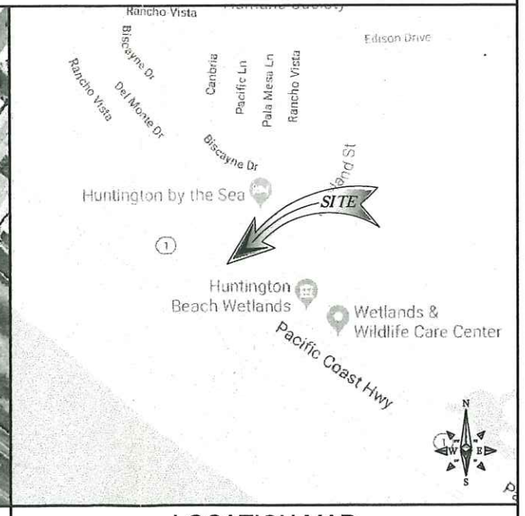
ENGINEER:
M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE, CA 92673

AT&T PROJECT MANAGER:
AT&T
1452 EDINGER AVE.
TUSTIN, CA 92618
CONTACT: TED SUEKAWA
PHONE: (714) 721-3010
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

1. TURN LEFT ONTO EDINGER AVE
2. TURN LEFT ONTO STATE ROUTE 55 S
3. MERGE ONTO STATE ROUTE 55 S
4. TAKE EXIT 3 AND MERGE ONTO NEWPORT BLVD
5. TURN RIGHT ONTO VICTORIA ST
6. CONTINUE ONTO HAMILTON AVE
7. TURN LEFT ONTO NEWLAND ST
8. TURN RIGHT ONTO CA-1 N

DESTINATION WILL BE ON THE RIGHT.
E/S/O PCH 150' EAST OF MOBILE HOME PARK ENTRANCE AT 21752 PCH.,HUNTINGTON BEACH,CA92646

### 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) WOOD UTILITY POLE.

THE SCOPE WILL CONSIST OF THE FOLLOWING:

| | | |
|---|---|---|
| * FRONTIER TO REMOVE | (1) | EXISTING WOOD UTILITY POLE |
| * FRONTIER TO INSTALL | (1) | NEW 40'-0" WOOD UTILITY POLE |
| * AT&T TO INSTALL | (1) | NEW AT&T 8843 RRU |
| * AT&T TO INSTALL | (1) | NEW AT&T 4449 RRU |
| * AT&T TO INSTALL | (2) | NEW AT&T ERICSSON EQUIPMENT SHROUD |
| * AT&T TO INSTALL | (1) | NEW AT&T RAYCAP DISCONNECT |
| * AT&T TO INSTALL | (1) | NEW AT&T OMNI-DIRECTIONAL ANTENNA |
| * AT&T TO INSTALL | (1) | NEW AT&T WTR |
| * AT&T TO INSTALL | (1) | NEW AT&T WATER PROOF BOX |
| * AT&T TO INSTALL | (1) | NEW AT&T 1" RISERS |

### PROJECT DESCRIPTION

| SHEET NO: | SHEET TITLE |
|---|---|
| T-1 | TITLE SHEET |
| GN-1 | GENERAL NOTES |
| A-1 | SITE PLAN |
| A-2 | POWER RUN PLAN |
| A-3 | ELEVATIONS |
| A-4 | ELEVATIONS |
| A-5 | SITE IMAGE |
| D-1 | DETAILS |
| E-1 | ELECTRICAL 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

at&t

ERICSSON
330 COMMERCE, STE. 200
IRVINE, CA 92602

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 361-9024

DRAWN BY: DGM
CHECKED BY: MM

| REV | DATE | DESCRIPTION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| C | 10/05/18 | 100% REVISION |
| B | 05/31/18 | 100% CONSTRUCTION |
| A | 03/09/18 | 90% CONSTRUCTION |

REGISTERED PROFESSIONAL ENGINEER
LOYALL A. WHARTON
C50547
CIVIL
STATE OF CALIFORNIA

SIGNED DATE : 05/31/2018

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: HBBCH 03A**
**E/S/O PCH 150' EAST OF MOBILE HOME PARK ENTRANCE AT 21752 PCH. HUNTINGTON BEACH, CA, 92646**

SHEET TITLE
**TITLE SHEET**

SHEET NUMBER
**T-1**

| | |
|---|---|
| NEW ANTENNA | |
| EXISTING ANTENNA | |
| GROUND ROD | |
| GROUND BUS BAR | |
| MECHANICAL GRND. CONN. | |
| CADWELD | |
| GROUND ACCESS WELL | |
| ELECTRIC BOX | |
| TELEPHONE BOX | |
| LIGHT POLE | |
| FND. MONUMENT | |
| SPOT ELEVATION | |
| SET POINT | |
| REVISION | |
| GRID REFERENCE | |
| DETAIL REFERENCE | |
| ELEVATION REFERENCE | |
| SECTION REFERENCE | |

| | |
|---|---|
| GROUT OR PLASTER | |
| (E) BRICK | |
| (E) MASONRY | |
| CONCRETE | |
| EARTH | |
| GRAVEL | |
| PLYWOOD | |
| SAND | |
| WOOD CONT. | |
| WOOD BLOCKING | |
| STEEL | |
| CENTERLINE | |
| PROPERTY/LEASE LINE | |
| MATCH LINE | |
| WORK POINT | |
| GROUND CONDUCTOR | |
| COAXIAL CABLE | A |
| OVERHEAD SERVICE CONDUCTORS | OU |
| CHAIN LINK FENCING | X |
| OVERHEAD TELEPHONE/OVERHEAD POWER | OT/OP OT/OP |
| OVERHEAD TELEPHONE LINE | OT OT |
| OVERHEAD POWER LINE | OP OP |
| POWER RUN | E |
| FIBER/POWER RUN | F/P |

| | |
|---|---|
| TELCO RUN | T T |
| POWER/TELCO RUN | T/E |
| GROUNDING CONDUCTOR | G G |
| GROUNDING CONDUCTOR | |
| CONDUIT UNDERGROUND | |
| FUSE, SIZE AND TYPE AS INDICATED. | |
| SAFETY SWITCH, 2P-240V-60A W/60A FUSES, NEMA 3R ENCLOSURE, SQ D CATALOG NO. H222NRB | |
| MANUAL TRANSFER SWITCH, 2P-240V-200A, NO FUSE, NEMA 3R ENCLOSURE | |
| LIGHTING FIXTURE, FLUORESCENT, 10.94" x 4'-0", 2/40W, SURFACE MOUNTING TYPE, HUBBELL LIGHTING CATALOG #WSW232T | |
| LIGHTING FIXTURE, FLUORESCENT, 10.94" x 8'-0", 2/95W, SURFACE MOUNTING TYPE, HUBBELL LIGHTING CATALOG #TWSM232T | |
| LIGHTING FIXTURE, HIGH PRESSURE SODIUM, 1/70W, WALL MOUNTING TYPE, HUBBELL LIGHTING CATALOG #NRG-307 OR 1/50W, HUBBELL LIGHTING CATALOG #NRG-121 | |
| EXIT SIGN, THERMOPLASTIC LED, SINGLE FACE, UNIVERSAL MOUNTING, W/BATTERY PACK, HUBBELL LIGHTING CATALOG #PRB | |
| COMBINATION, EXIT SIGN & EMERGENCY LIGHTING, HUBBELL LIGHTING CATALOG #PRC | EXIT |
| EMERGENCY LIGHTING, 2/50W, HUBBELL LIGHTING CATALOG #HE6-50-2-R91 | |
| LIGHTING FIXTURE, INCANDESCENT, 1/100W, WALL MOUNTING TYPE, HUBBELL LIGHTING CATALOG #BRH-100-06-1 | |
| LIGHTING FIXTURE, HALOGEN, QUARTZ, 1/300W, HUBBELL LIGHTING CATALOG #QL-505 | |
| LIGHTING FIXTURE, 1/175W. METAL HALIDE, HUBBELL CAT #MIC-0175H-336 | |
| 5/8" X 10'-0" ,CU. GND ROD 30" MIN. BELOW GRADE. | |

| | |
|---|---|
| 5/8" X 10'-0" ,CU. GND ROD IN TEST WELL 30" MIN. BELOW GRADE. | |
| CHEMICAL GROUND ROD (XIT GROUND ROD) | |
| CADWELD CONNECTION | |
| MECHANICAL CONNECTION | |
| HALO GROUND CONNECTION | |
| CIRCUIT BREAKER | |
| UTILITY METER BASE | |
| TRANSFORMER | |
| STEPDOWN TRANSFORMER | |
| RECEPTACLE, 2P-3W-125V-15A, DUPLEX, GROUND TYPE, HUBBEL CATALOG #5362 | |
| TOGGLE SWITCH, 1P-125V-15A, HUBBELL CATALOG #HBL 1201CN | S |
| TOGGLE SWITCH, 1P-120V-15A, "WP" | $S_{WP}$ |
| IONIZATION SMOKE DETECTOR W/ALARM HORN & AUXILIARY CONTACT, 120 VAC, GENTEX PART NO. 7100F | S |
| POLE | |
| (N) POLE MOUNTED XFMER | |
| (E) POLE MOUNTED XFMR | |
| (N) PAD MOUNTED XFMER | |
| (E) PAD MOUNTED XFMER | |

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.

## ABBREVIATIONS 1

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

## ABBREVIATIONS 2

## NOTES FOR EXISTING AT&T CELL SITES: 3

1. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR 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. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR 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 SUBCONTRACTOR 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. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
6. SUBCONTRACTOR 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.

## GENERAL NOTES 4

at&t

ERICSSON
330 COMMERCE, STE. 200
IRVINE, CA 92602

M SQUARED WIRELESS
1307 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 361-8824

| | |
|---|---|
| DRAWN BY: | DGM |
| CHECKED BY: | MM |

| REV | DATE | DESCRIPTION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| C | 10/05/18 | 100% REVISION |
| B | 05/31/18 | 100% CONSTRUCTION |
| A | 03/09/18 | 90% CONSTRUCTION |

REGISTERED PROFESSIONAL ENGINEER
LOYALL A. WHARTON
C50547
CIVIL
STATE OF CALIFORNIA

SIGNED DATE : 05/31/2018

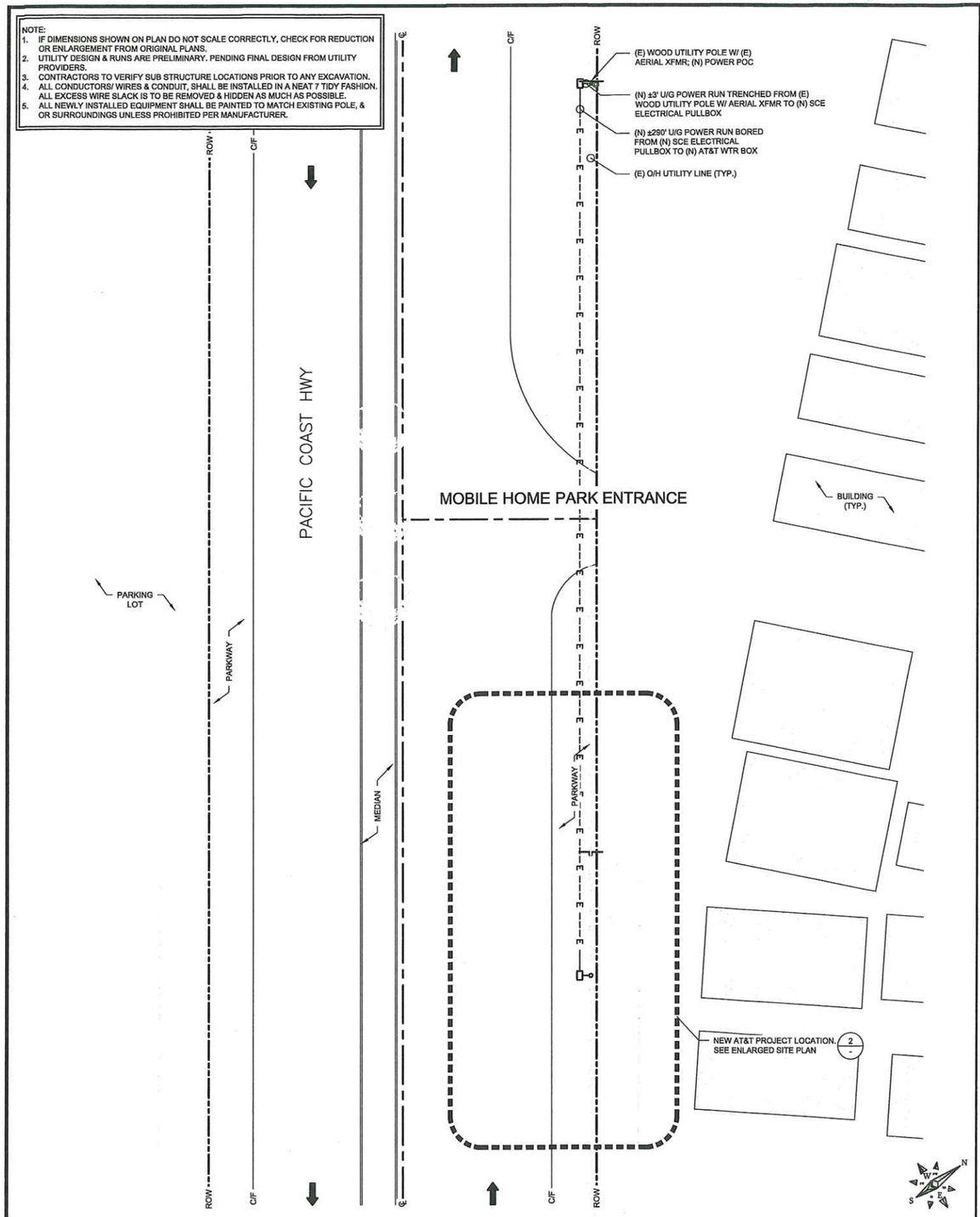
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

**SITE ID: HBBCH 03A**
**E/S/O PCH 150' EAST OF MOBILE HOME PARK ENTRANCE AT 21752 PCH.**
**HUNTINGTON BEACH, CA, 92646**

SHEET TITLE
**GENERAL NOTES**

SHEET NUMBER
**GN-1**

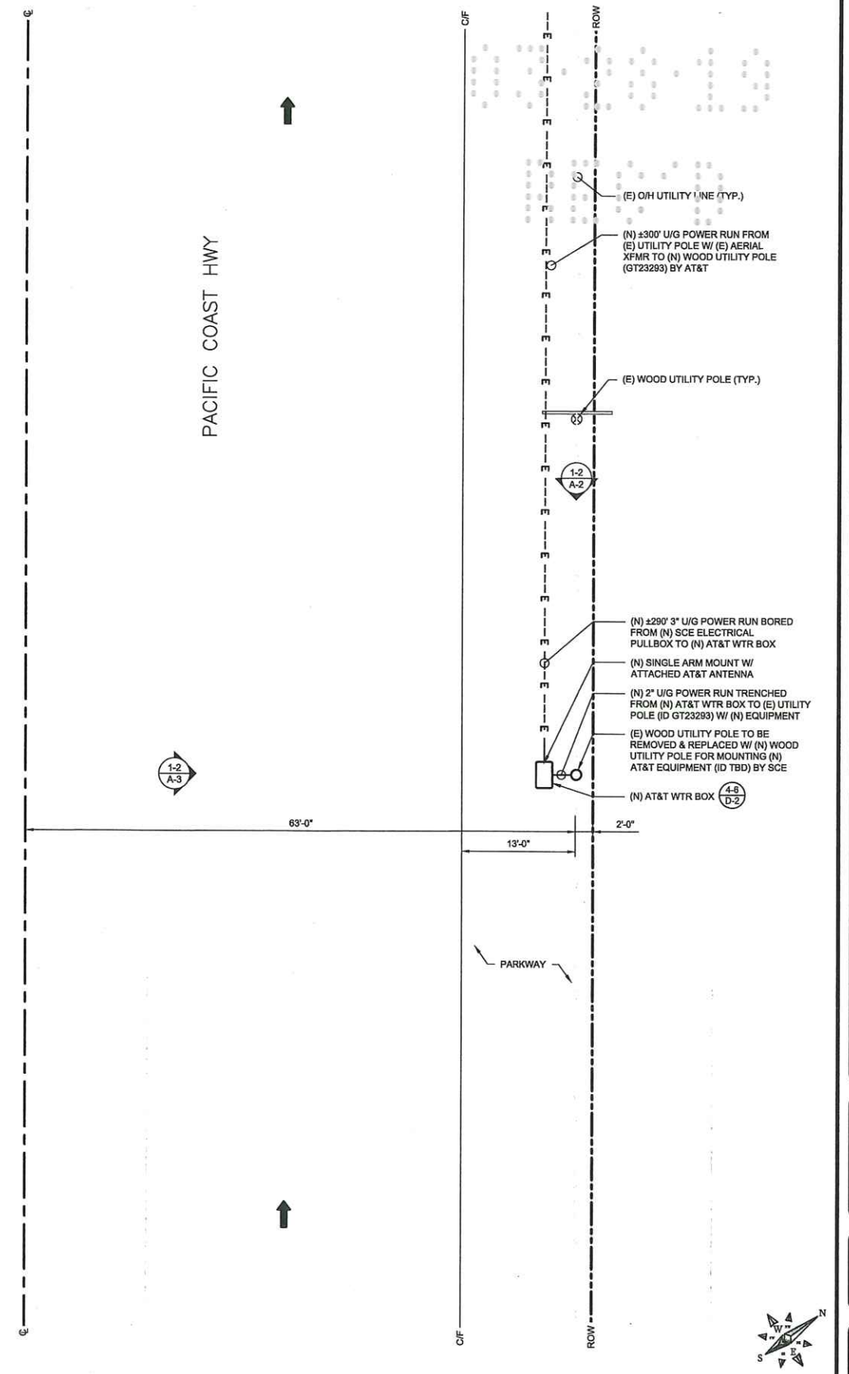
NOTE:
1. IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.
2. UTILITY DESIGN & RUNS ARE PRELIMINARY. PENDING FINAL DESIGN FROM UTILITY PROVIDERS.
3. CONTRACTORS TO VERIFY SUB STRUCTURE LOCATIONS PRIOR TO ANY EXCAVATION.
4. ALL CONDUCTORS/ WIRES & CONDUIT, SHALL BE INSTALLED IN A NEAT 7 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.




## SITE PLAN

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

3




## ENLARGED SITE PLAN

24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16"= 1'-0"
0" 4' 8' 16'

2

at&t

ERICSSON
330 COMMERCE, STE. 200
IRVINE, CA 92602

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 361-4024

DRAWN BY: DGM
CHECKED BY: MM

| REV | DATE | DESCRIPTION |
|---|---|---|
| C | 10/05/18 | 100% REVISION |
| B | 05/31/18 | 100% CONSTRUCTION |
| A | 03/09/18 | 90% CONSTRUCTION |

REGISTERED PROFESSIONAL ENGINEER
LOYALL A. WHARTON
C50547
CIVIL
STATE OF CALIFORNIA

SIGNED DATE : 05/31/2018

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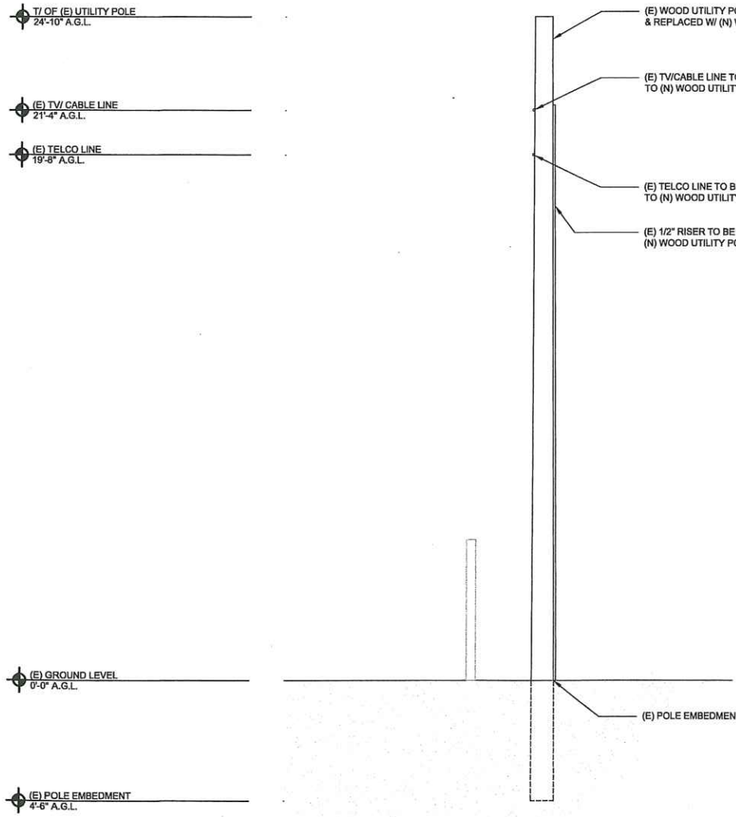
**SITE ID: HBBCH 03A**
**E/S/O PCH 150' EAST OF MOBILE HOME PARK ENTRANCE AT 21752 PCH.**
**HUNTINGTON BEACH, CA, 92646**

SHEET TITLE
**SITE PLAN**

SHEET NUMBER
**A-1**



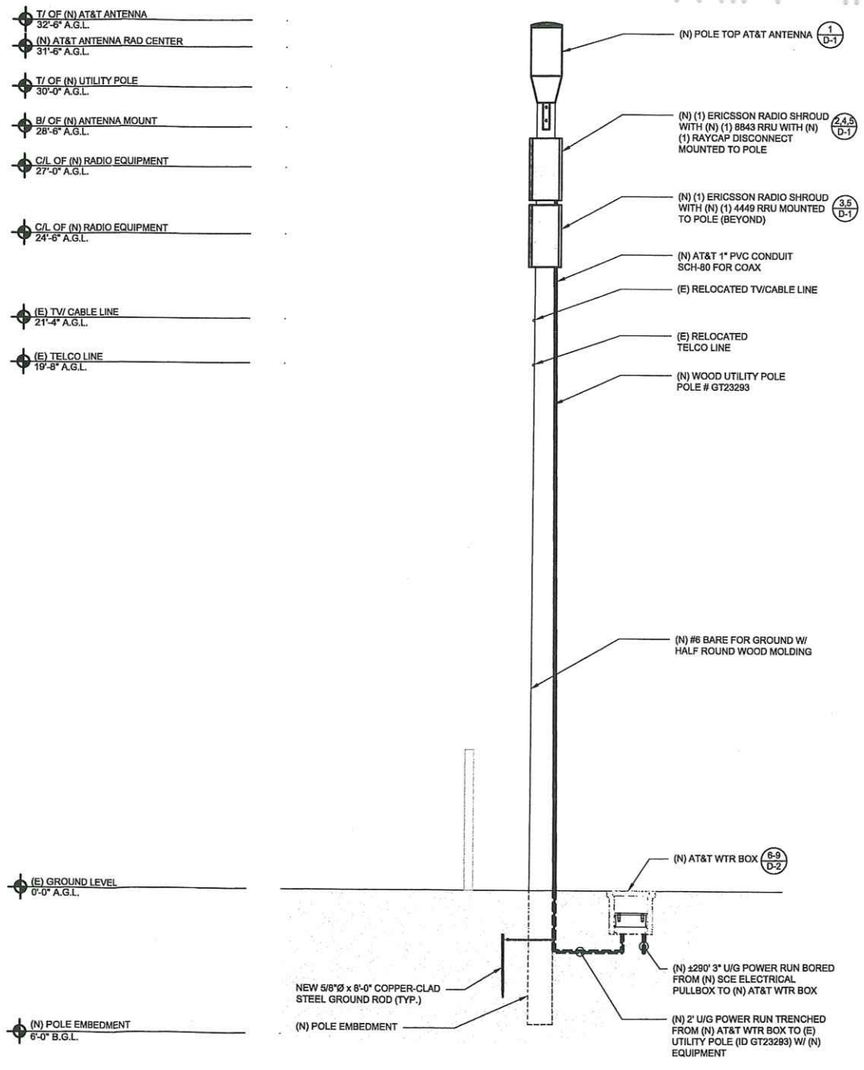

## EXISTING NORTHWEST ELEVATION

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

0" 1' 2' 4'

2

NOTE:
ALL NEW EQUIPMENT SHALL BE PAINTED TO MATCH UTILITY POLE




## NEW SOUTHEAST ELEVATION

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

0" 1' 2' 4'

1

09-28-18
REC'D

at&t

ERICSSON
330 COMMERCE, STE. 200
IRVINE, CA 92602

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 361-3024

| | |
|---|---|
| DRAWN BY: | DGM |
| CHECKED BY: | MM |

| REV | DATE | DESCRIPTION |
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| | | |
| C | 10/05/18 | 100% REVISION |
| B | 05/31/18 | 100% CONSTRUCTION |
| A | 03/09/18 | 90% CONSTRUCTION |

REGISTERED PROFESSIONAL ENGINEER
LOYALL A. WHARTON
C50547
CIVIL
STATE OF CALIFORNIA

SIGNED DATE : 05/31/2018

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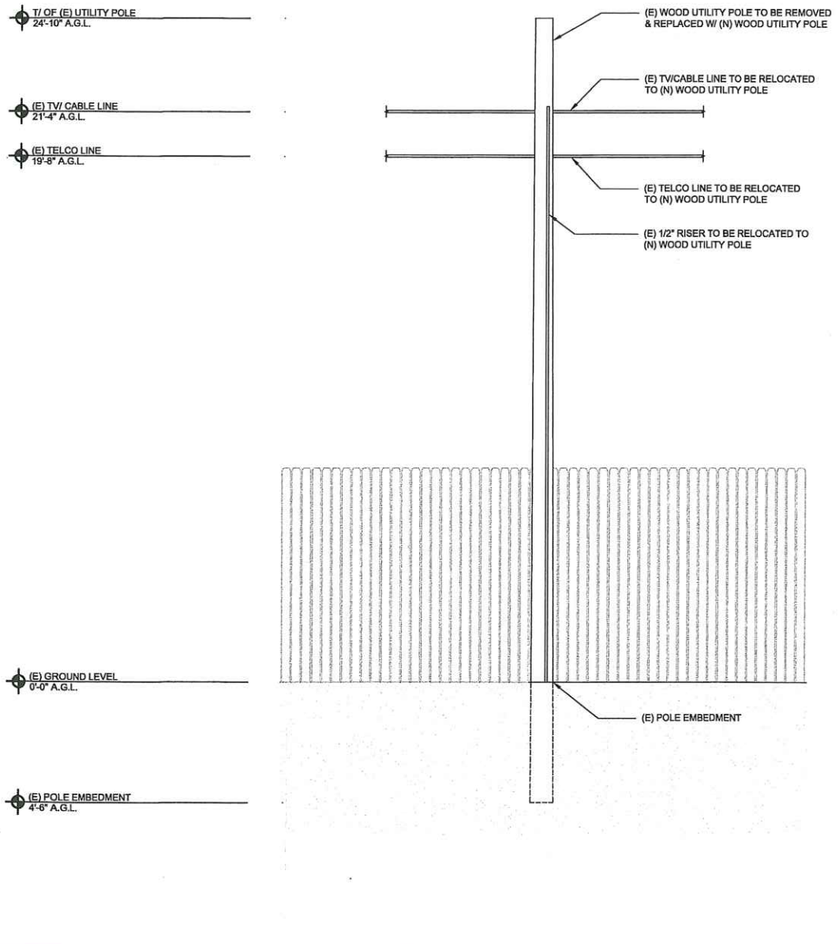
**SITE ID: HBBCH 03A**
**E/S/O PCH 150' EAST OF MOBILE HOME PARK ENTRANCE AT 21752 PCH.**
**HUNTINGTON BEACH, CA, 92646**

SHEET TITLE

**ELEVATIONS**

SHEET NUMBER

**A-2**



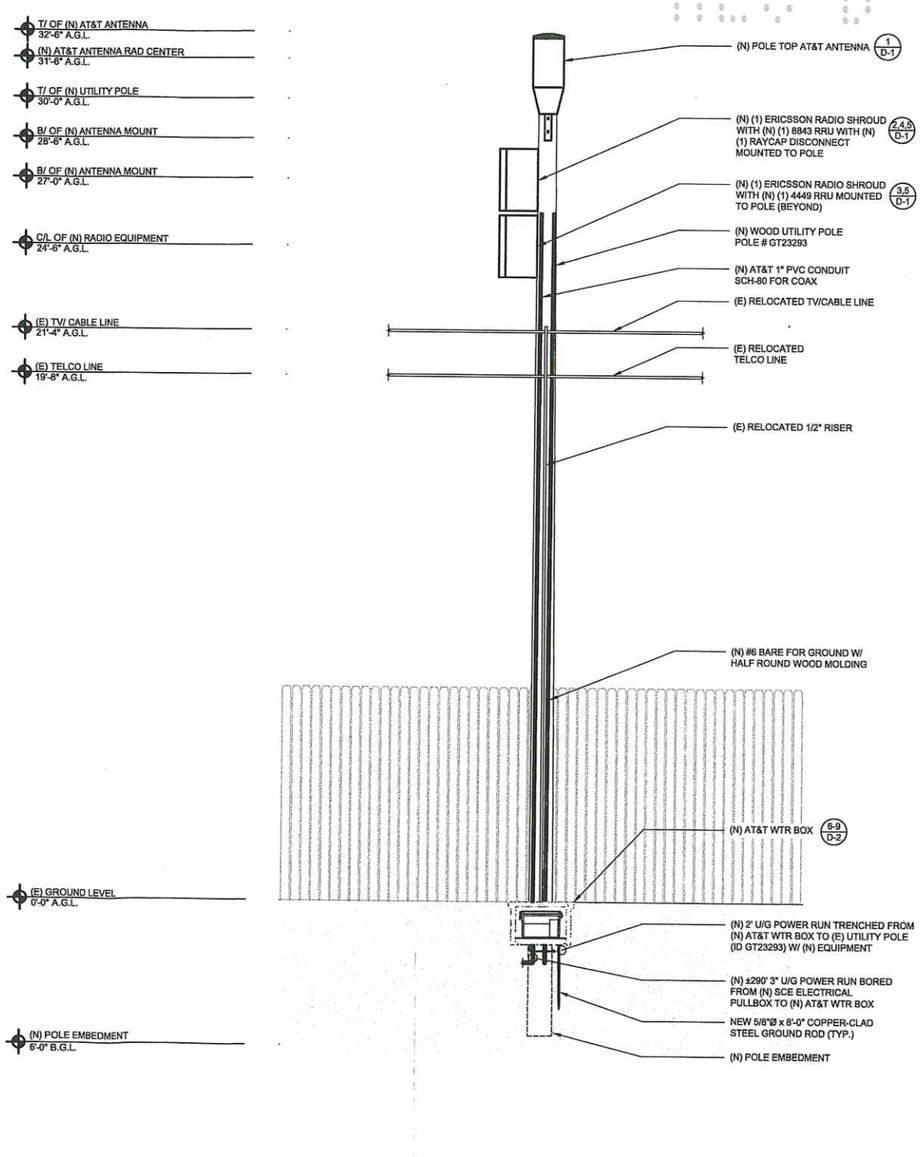

## EXISTING SOUTHWEST ELEVATION

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

0" 1' 2' 4'

2

NOTE:
ALL NEW EQUIPMENT SHALL BE PAINTED TO MATCH UTILITY POLE




## NEW SOUTHWEST ELEVATION

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

0" 1' 2' 4'

1

09-28-19
REC'D

at&t

ERICSSON
330 COMMERCE, STE. 200
IRVINE, CA 92602

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 291-0021

| | |
|---|---|
| DRAWN BY: | DGM |
| CHECKED BY: | MM |

| REV | DATE | DESCRIPTION |
|---|---|---|
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| C | 10/05/18 | 100% REVISION |
| B | 05/31/18 | 100% CONSTRUCTION |
| A | 03/09/18 | 90% CONSTRUCTION |

REGISTERED PROFESSIONAL ENGINEER
LOYALL A. WHARTON
C50547
CIVIL
STATE OF CALIFORNIA

SIGNED DATE : 05/31/2018

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: HBBCH 03A
E/S/O PCH 150' EAST OF MOBILE HOME PARK ENTRANCE AT 21752 PCH.
HUNTINGTON BEACH, CA, 92646

SHEET TITLE
ELEVATIONS

SHEET NUMBER
A-3

**PROPOSED SITE LOCATION LOOKING NORTHEAST**

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

1

at&t

ERICSSON
330 COMMERCE, STE. 200
IRVINE, CA 92602

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-9634

| | |
|---|---|
| DRAWN BY: | DGM |
| CHECKED BY: | MM |

| REV | DATE | DESCRIPTION |
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| | | |
| C | 10/05/18 | 100% REVISION |
| B | 05/31/18 | 100% CONSTRUCTION |
| A | 03/09/18 | 90% CONSTRUCTION |

REGISTERED PROFESSIONAL ENGINEER
LOYALL A. WHARTON
C50547
CIVIL
STATE OF CALIFORNIA

SIGNED DATE : 05/31/2018

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**SITE ID: HBBCH 03A**
**E/S/O PCH 150' EAST OF MOBILE HOME PARK ENTRANCE AT 21752 PCH.**
**HUNTINGTON BEACH, CA, 92646**

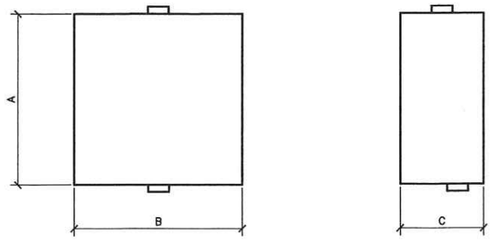
SHEET TITLE

**SITE IMAGE**

SHEET NUMBER

**A-4**

| ELECTROMATE | |
|---|---|
| HINGED 3R ENCLOSURE | |
| DIMENSIONS: | |
| A | 12" |
| B | 12" |
| C | 6" |




## UN-METERED FUSED PANEL

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

7

RAYCAP - RSCAC-6533-P-120-D

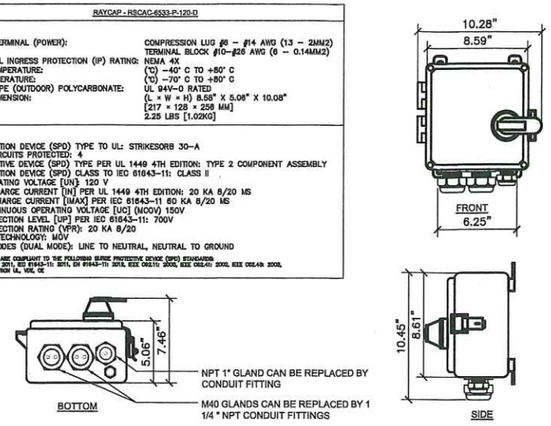
MECHANICAL

| | |
|---|---|
| CONNECTION TERMINAL (POWER): | COMPRESSION LUG #6 – #14 AWG (13 – 2MM2) TERMINAL BLOCK #10–#26 AWG (6 – 0.14MM2) |
| ENVIRONMENTAL INGRESS PROTECTION (IP) RATING: | NEMA 4X |
| OPERATION TEMPERATURE: | (°C) –40° C TO +80° C |
| STORAGE TEMPERATURE: | (°C) –70° C TO +80° C |
| ENCLOSURE TYPE (OUTDOOR) POLYCARBONATE: | UL 94V–0 RATED |
| ENCLOSURE DIMENSION: | (L × W × H) 8.58" X 5.06" X 10.08" [217 × 128 × 256 MM] |
| WEIGHT: | 2.25 LBS [1.02KG] |

ELECTRICAL

SURGE PROTECTION DEVICE (SPD) TYPE TO UL: STRIKESORB 30–A
NUMBER OF CIRCUITS PROTECTED: 4
SURGE PROTECTIVE DEVICE (SPD) TYPE PER UL 1449 4TH EDITION: TYPE 2 COMPONENT ASSEMBLY
SURGE PROTECTION DEVICE (SPD) CLASS TO IEC 61643–11: CLASS II
NOMINAL OPERATING VOLTAGE [UN]: 120 V
NOMINAL DISCHARGE CURRENT [IN] PER UL 1449 4TH EDITION: 20 KA 8/20 MS
MAXIMUM DISCHARGE CURRENT [IMAX] PER IEC 61643–11 60 KA 8/20 MS
MAXIMUM CONTINUOUS OPERATING VOLTAGE [UC] (MCOV) 150V
VOLTAGE PROTECTION LEVEL [UP] PER IEC 61643–11: 700V
VOLTAGE PROTECTION RATING (VPR): 20 KA 8/20
SUPPRESSION TECHNOLOGY: MOV
PROTECTION MODES (DUAL MODE): LINE TO NEUTRAL, NEUTRAL TO GROUND

RAYCAP DISCONNECT



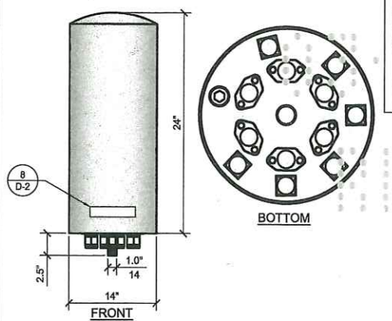

24"x36" SCALE: NTS
11"x17" SCALE: NTS

4

GAMMANU DOYZBX360IF12 OMNI CANISTER ANTENNA

MECHANICAL SPECIFICATIONS

| | |
|---|---|
| DIMENSIONS (HxD): | 24 x 14 INCHES (610 x 355 mm) |
| WEIGHT EXCL MOUNTING BRACKETS: | 29.7lbs (13.5 kg) |
| NO. OF CONNECTORS | 12 X 4.3-10 DIN FEMALE |
| CONNECTOR TYPE & FREQUENCY BAND (MHz): | 4 X 4.3-10 DIN FEMALE (1695–2360) MHz<br>4 X 4.3-10 DIN FEMALE (3550–3700) MHz<br>4 X 4.3-10 DIN FEMALE (5150–5850) MHz |

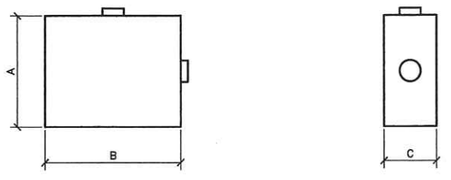



## GAMMANU OMNI ANTENNA

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

1

| SQUARE--D | |
|---|---|
| HINGED 3R ENCLOSURE # D221NRB | |
| DIMENSIONS: | |
| A | 7.75" |
| B | 9.63" |
| C | 3.75" |

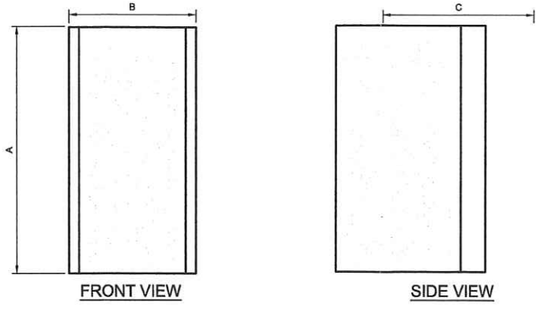



## AT&T MOBILITY FUSED DISCONNECT

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

8

| MANUFACTURER: | ERICSSON | |
|---|---|---|
| MODEL NO.: | SXK 125 4244 | |
| DIMENSIONS: | | TOTAL WEIGHT : |
| A | 28.0" | |
| B | 14.6" | 75 LBS (31.7 kg) |
| C | 17.6" | |

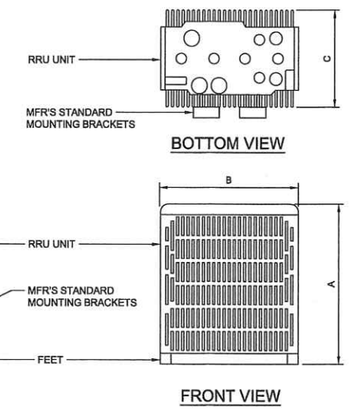



## ERICSSON RADIO SHROUD

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

5

| MANUFACTURER: | ERICSSON | |
|---|---|---|
| MODEL NO.: | RRUS 8843 B2 | |
| DIMENSIONS: | | TOTAL WEIGHT : |
| A | 14.96" | |
| B | 13.19" | 75 LBS (31.7 kg) |
| C | 11.1" | |

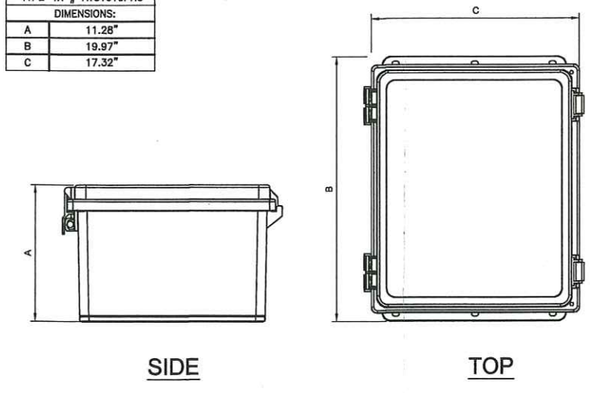



## ERICSSON RRU 8843

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

2

| HOFFMAN | |
|---|---|
| POLYESTER POLYPRO, TYPE 4X # A181610PHC | |
| DIMENSIONS: | |
| A | 11.28" |
| B | 19.97" |
| C | 17.32" |

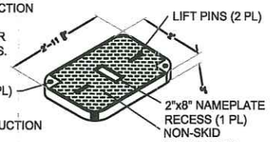



## HOFFMAN A18160PHC WTR BOX

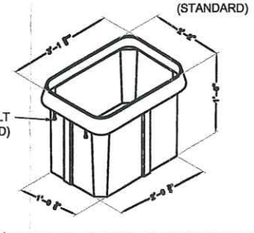
24"x36" SCALE: NTS
11"x17" SCALE: NTS

9

COVER FEATURES:
- STANDARD LOAD RATING: 20,800 LBS. WHEEL LOAD ON 10"x20" PLATE
- 2 BOLT DOWN LOCATIONS
- STAINLESS STEEL BOX INSERTS
- POLYMER CONCRETE CONSTRUCTION
- NON-SKID SURFACE STANDARD
- 20K TO BE EMBOSSED ON COVER
- APPROXIMATE WEIGHT = 120 LBS.




COVER FEATURES:
- POLYMER CONCRETE CONSTRUCTION
- LIGHTWEIGHT
- STACKABLE FOOT
- APPROX. WEIGHT 188 LBS.



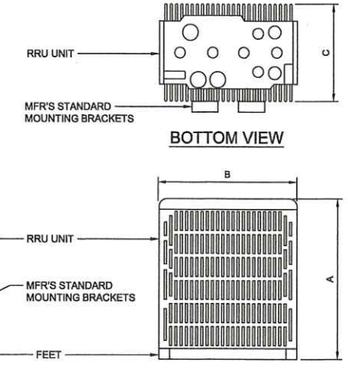

(OR APPROVED EQUAL)

## HANDHOLE

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

6

| MANUFACTURER: | ERICSSON | |
|---|---|---|
| MODEL NO.: | RRUS 4449 B13 | |
| DIMENSIONS: | | TOTAL WEIGHT : |
| A | 14.96" | |
| B | 13.19" | 73 LBS (31.7 kg) |
| C | 10.43" | |




## ERICSSON RRUS 4449 B13

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

3

at&t

ERICSSON
330 COMMERCE, STE. 200
IRVINE, CA 92602

M SQUARED WIRELESS
1367 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-1934

| | |
|---|---|
| DRAWN BY: | DGM |
| CHECKED BY: | MM |

| REV | DATE | DESCRIPTION |
|---|---|---|
| C | 10/05/18 | 100% REVISION |
| B | 05/31/18 | 100% CONSTRUCTION |
| A | 03/09/18 | 90% CONSTRUCTION |

REGISTERED PROFESSIONAL ENGINEER
LOYALL A. WHARTON
C50547
CIVIL
STATE OF CALIFORNIA

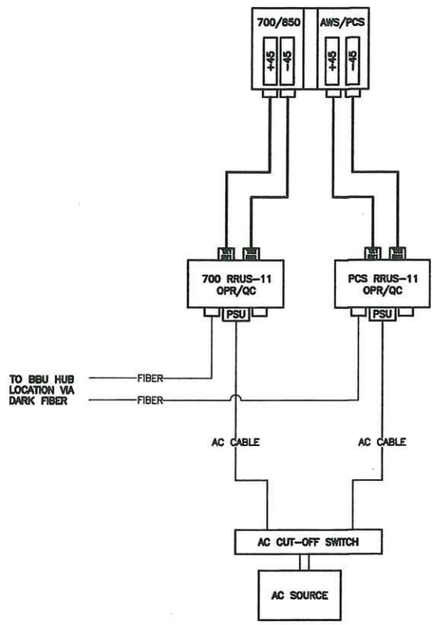
SIGNED DATE : 05/31/2018

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: HBBCH 03A**
**E/S/O PCH 150' EAST OF MOBILE HOME PARK ENTRANCE AT 21752 PCH.**
**HUNTINGTON BEACH, CA, 92646**

SHEET TITLE
**DETAILS**

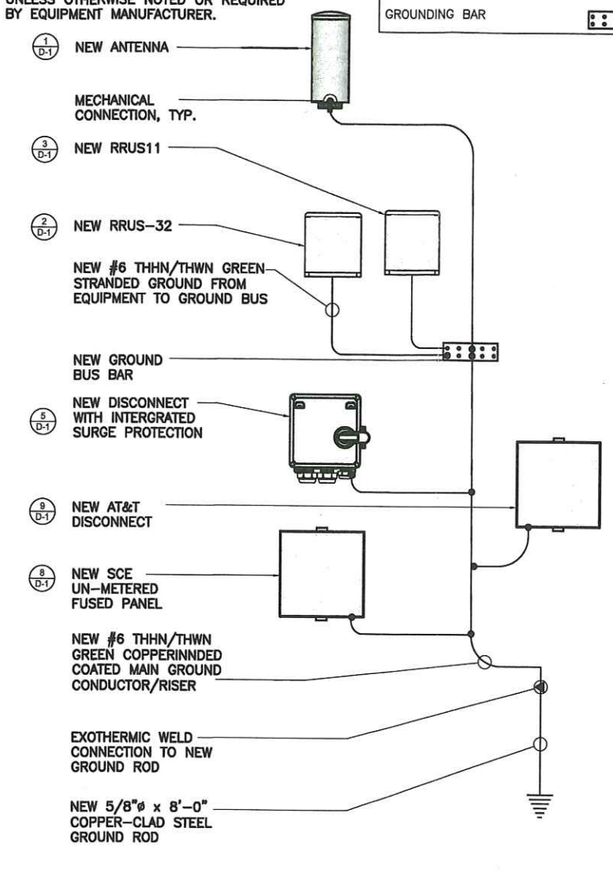
SHEET NUMBER
**D-1**




MICRO PLUMBING DIAGRAM — 24"x36" SCALE: NTS, 11"x17" SCALE: NTS — 6

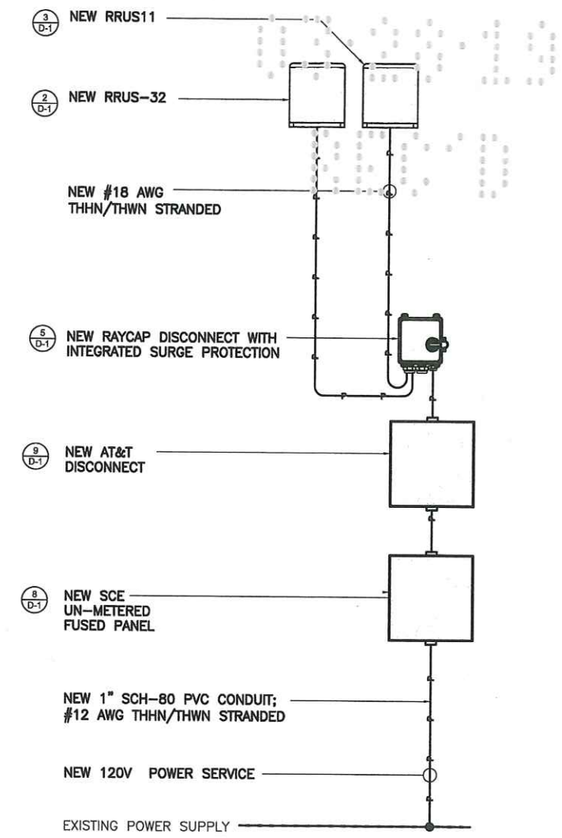
NOTE:
ALL GROUND CONDUCTORS TO BE #6 THHN/THWN GREEN STRANDED COPPER UNLESS OTHERWISE NOTED OR REQUIRED BY EQUIPMENT MANUFACTURER.

EXOTHERMIC WELD CONNECTIONS ■
MECHANICAL TYPE CONNECTIONS ●
GROUNDING BAR




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

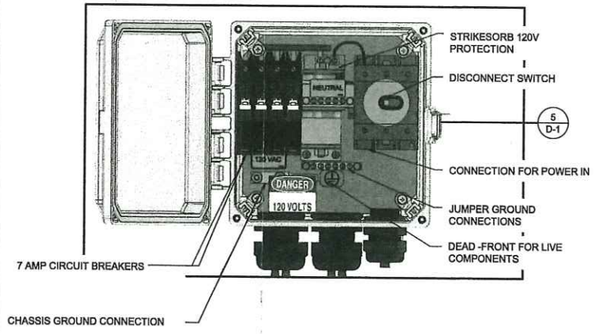
NOTE:
UTILITY DESIGN AND RUNS ARE PRELIMINARY. PENDING FINAL DESIGN FROM UTILITY PROVIDERS




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

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

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




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

at&t
ERICSSON
330 COMMERCE, STE. 200
IRVINE, CA 92602
M SQUARED WIRELESS
1367 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 291-9555

DRAWN BY: DGM
CHECKED BY: MM

| REV | DATE | DESCRIPTION |
|---|---|---|
| C | 10/05/18 | 100% REVISION |
| B | 05/31/18 | 100% CONSTRUCTION |
| A | 03/09/18 | 90% CONSTRUCTION |

REGISTERED PROFESSIONAL ENGINEER
LOYALL A. WHARTON
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**SITE ID: HBBCH 03A**
**E/S/O PCH 150' EAST OF MOBILE HOME PARK ENTRANCE AT 21752 PCH.**
**HUNTINGTON BEACH, CA, 92646**

SHEET TITLE
**ELECTRICAL DETAILS**

SHEET NUMBER
**E-1**