

SD Real Estate
Assets
City Consent Application

For installation / modification of Telecommunication antenna facility on City owned property

December 21, 2017

Date

The City of San Diego
Real Estate Assets Department
1200 Third Avenue, Suite 1700
San Diego, California 92101

RE: Site Name: AT&T NS0622 Camino Ruiz Park Project # _____
Site Address: 11498 Camino Ruiz, San Diego (the "Property")
Agreement: Agreement dated 01/25/2011 (the "agreement") between The City of San Diego ("City") and New Cingular Wireless PCS, LLC (AT&T), ("Lessee" or "Permittee").

DePratti, Inc./AT&T Mobility is seeking Consent from the City to perform the following to the above
Applicants Name/Carrier
referenced site:

- ☒ Modify, upgrade or changes to existing equipment or Site as describe in the attached plans /
photos.
- ☐ Installation of a New Wireless Communication Facility on City owned property.
- ☐ Apply for new Permit/New Agreement on existing facility – **NO** modifications or changes to
Existing equipment or site.

Describe proposed project below:

AT&T will install (3) new 6' antennas for a total of (12) antennas on the existing monopine. Remote radio units (RRUs) will be swapped and added for a total of (15) RRUs. Power, cable and fiber trunks will be run from antennas to the ground equipment along existing lines. A total of (3) surge suppressors will be installed. (6) Tower Mounted Amplifiers and (3) diplexers will be removed from the monopine. The existing power plant, associated equipment and batteries will be updated and/or replaced within the ground equipment area. (9) new monopine antlers will be installed.

Pursuant to Improvements and Alterations, section of the above referenced agreement, "Lessee / Permittee shall not construct any improvements, structures or installations of the Premises or make any alterations to the Premises (with the exception of equipment replacement or repairs) without City's prior written approval."

In order to comply with such requirements, New Cingular Wireless PCS, LLC (AT&T) would like to request City's consent to submit to Development Services Department for review of the proposed items above.

Sincerely, Cathy Lim, DePratti, Inc., agent for New Cingular Wireless PCS, LLC (AT&T)

Applicant Signature: Cathy Lim Digitally signed by Cathy Lim
Date: 2017.12.21 16:29:13 -08'00'

☐ A one-time, **non-refundable Processing Fee** (\$4,920 for long term agreements - \$980 for Short term or ROE Permits) payable to City Treasures, MUST be paid at the time of application. This fee applies even if the agreement is never executed.

City Park & Rec. Department has provided its consent and approval to allow applicant to submit application for Required Permits needed for the proposed items listed herein, **with the understanding that the Department will be allowed to review the improvement plans prior to any permits being issued** and that a pre-construction meeting will be conducted with staff before any work begins, if required.

1/24/18 Kathryn Ruiz, Deputy Director Kathryn Ruiz
Date Print Name & Title Signature

City of San Diego, acknowledgement and consent for _____
Site Location

1/24/18 CYBANA THOMPSON [Signature]
Date Print Name & Title Signature

For READ ONLY

☐
☐
☐

Approved and Stamped plans received and attached
Scan as Amendment to Agreement when executed
Processing fee received



Real Estate Assets



NS0622 – Camino Ruiz Park
Photo Simulation – South East Elevation

Existing condition of Mono-Elm



Proposed view after antenna installation and complete re-branching





FA NUMBER: 10105310 / SITE ID: NS0622
LTE 4C/ LTE 5C (FIRST NET)/ 4TXRX ANTENNA RETROFIT
SITE NAME: CAMINO RUIZ PARK

LEGAL DESCRIPTION

MAP REF: PM14029 ABBREVIATED DESCRIPTION: CITY: SAN DIEGO PM14029
PAR 1 PAR B PER DCCS-32332 IN CITY/MUN/TWP: SAN DIEGO

SITE INFORMATION

PROPERTY OWNER: CITY OF SAN DIEGO
REAL ESTATE ASSETS DEPARTMENT
SAN DIEGO, CA 92121
CONTACT: ENZA CHARLES

APPLICANT: AT&T MOBILITY
ADDRESS: 5738 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121

SITE ADDRESS: 11498 CAMINO RUIZ
SAN DIEGO, CA 92126

LAT/LONG TYPE: NAD-83
LATITUDE: 32° 56' 2.7204" N (32.9340965)
LONGITUDE: -117° 8' 52.6410" W (-117.1479565)

GROUND ELEVATION: 0.0' (AMSL)

ZONING JURISDICTION: CITY OF SAN DIEGO

ZONING CLASSIFICATION: AR-1-1

CURRENT USE: UNMANNED OUTDOOR TELECOMMUNICATIONS EQUIPMENT

ASSESSOR'S PARCEL NO.: 305-040-091

NEW USE: UNMANNED OUTDOOR TELECOMMUNICATIONS EQUIPMENT

TYPE OF CONSTRUCTION: S-B

OCCUPANCY GROUP: U

STRUCTURE HEIGHT: 30'-0"

STRUCTURE TYPE: MONO-BROADLEAF

YEAR BUILT: 19-

DO NOT SCALE
DRAWINGS

SUBCONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



PROJECT TEAM

CLIENT REPRESENTATIVE:
DEPRATTI, INC.
13948 CALLE BUENO GANAR
JAMUL, CA 91935
CONTACT: CATLYN KES
EMAIL: ckes@deprattiinc.com
PHONE: (858) 572-9938

ENGINEER:
M SQUARED WIRELESS
13948 CALLE AVANZADO
SAN CLEMENTE, CA 92673
CONTACT: MICHAEL MONTELEONE
PHONE: (949) 391-6824
www.msquaredwireless.com

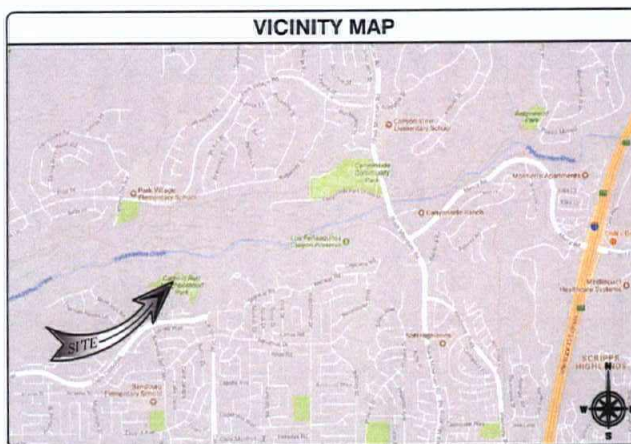
PLANNING CONTACT:
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13948 CALLE BUENO GANAR
JAMUL, CA 91935
CONTACT: CATLYN KES
EMAIL: ckes@deprattiinc.com
PHONE: (858) 572-9938

RF ENGINEER:
AT&T MOBILITY
5738 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121

CONSTRUCTION MANAGER:
DEPRATTI, INC.
13948 CALLE BUENO GANAR
JAMUL, CA 91935
CONTACT: TRACY HENSON
EMAIL: thenson@deprattiinc.com
PHONE: (953) 519-0581

CITY OF SAN DIEGO

VICINITY MAP



DIRECTIONS

DIRECTIONS FROM SD AT&T OFFICE (5738 PACIFIC CENTER BLVD., SAN DIEGO, CA 92121):

- FROM 15 FREEWAY EXIT MIRAMESA BLVD AND GO WEST. TURN RIGHT ONTO CAMINO RUIZ AND CONTINUE NORTH TO END. AT CALLE CRISTOBAL CONTINUE STRAIGHT INTO PARK.

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.

- CALIFORNIA ADMINISTRATIVE CODE (INCL. TITLE 24 & 25)
- 2016 CALIFORNIA BUILDING CODE
- CITY/COUNTY ORDINANCES
- BUILDING OFFICIALS & CODE ADMINISTRATORS (BOCA)
- 2016 CALIFORNIA MECHANICAL CODE
- 2016 CALIFORNIA FIRE CODE
- 2016 CALIFORNIA PLUMBING CODE
- 2016 CALIFORNIA ELECTRICAL CODE
- LOCAL BUILDING CODE

SCOPE OF WORK

AT&T WIRELESS PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY. THE SCOPE WILL CONSIST OF THE FOLLOWING:

- REMOVE (1) EXISTING RBS CABINET
- REMOVE (4) EXISTING BATTERIES WITHIN (E) CABINET @ GRADE
- REMOVE (3) EXISTING AT&T RAILS 12' x 42' @ GROUND LEVEL
- REMOVE (8) EXISTING AT&T TRUNK @ ANTENNA LEVEL
- REMOVE (3) EXISTING AT&T CABLES @ GROUND LEVEL
- REMOVE (3) EXISTING AT&T 6'x6' PANEL ANTENNAS
- INSTALL (3) NEW AT&T 6'x6' PANEL ANTENNAS
- INSTALL (3) NEW AT&T RAILS 8'x4'x18' @ ANTENNA LEVEL
- INSTALL (3) NEW AT&T RAILS 32'x32' @ ANTENNA LEVEL
- INSTALL (1) NEW AT&T 10'x10' SQUARE SUPPLEMENT @ ANTENNA LEVEL
- INSTALL (1) NEW AT&T EMERSON POWER CABINET
- INSTALL (8) NEW AT&T RECTIFIERS WITHIN (E) POWER PLANT & (4) WITHIN NEW EMERSON POWER CABINET
- INSTALL (1) NEW AT&T 50% BATTERY UNIT WITHIN EXISTING EQUIPMENT CABINET @ GRADE
- INSTALL (2) NEW AT&T 10'x10' UNIT WITHIN EXISTING EQUIPMENT CABINET @ GRADE
- INSTALL (6) CABLE TRUNKS (4) POWER TRUNKS & (2) FIBER TRUNK
- INSTALL (9) NEW MICROGRADE/LEAF ANTENNAS @ ANTENNA LEVEL

CONSTRUCTION DRAWING INDEX

REV	DATE	DESCRIPTION	BY
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APPROVALS

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.

AT&T RF ENGINEER: _____ DATE: _____

AT&T OPERATIONS: _____ DATE: _____

SITE ACQUISITION: _____ DATE: _____

CONSTRUCTION MANAGER: _____ DATE: _____

PROPERTY OWNER: _____ DATE: _____

ZONING: _____ DATE: _____

PROJECT MANAGER: _____ DATE: _____

DRAWING SCALE

THESE DRAWINGS ARE SCALED TO FULL SIZE AT 22"x34" AND HALF SIZE AT 11"x17". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE DESIGNER / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICE TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.

APPLICANT



PLANNING



ENGINEER



SITE INFORMATION

SITE NUMBER: NS0622
FA NUMBER: 10105310
CAMINO RUIZ PARK
11498 CAMINO RUIZ
SAN DIEGO, CA 92126
SAN DIEGO COUNTY
MONO-BROADLEAF

DESIGN RECORD

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1. FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:

- ELECTRICAL NOTES:**

- GROUNDING NOTES:**

- [illegible]

GN-1

PART 1 - GENERAL

1.1 REFERENCES:
A. DOT (STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION--CURRENT EDITION).
B. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS).
C. OSHA (OCCUPATION SAFETY AND HEALTH ADMINISTRATION).

1.2 INSPECTION AND TESTING:

- A. FIELD TESTING OF EARTHWORK COMPACTION AND CONCRETE CYLINDERS SHALL BE PERFORMED BY SUBCONTRACTORS INDEPENDENT TESTING AGENCIES. THE GENERAL CONTRACTOR SHALL PROVIDE A SUPERVISOR TO OBSERVE ALL FIELD TESTING RELEASED BY THE GENERAL CONTRACTOR WHO SHALL CARRY OUT THE WORK AS SPECIFIED AND REPORT TO THE ENGINEER. THE GENERAL CONTRACTOR SHALL MAINTAIN RECORDS OF THE WORK AND INSPECTED AND/OR TESTED AREAS. THE GENERAL CONTRACTOR SHALL ADVISE THE SUPERVISOR OF ANY CHANGES TO THE WORK NECESSARY TO REQUEST DAILY INSPECTIONS PRIOR TO PROCEEDING WITH FURTHER WORK THAT WOULD MAKE PARTS OF WORK UNACCESSIBLE OR OFFICIAL TO INSPECT.
- I.3 SITE MAINTENANCE AND PROTECTION:
 - A. PROVIDE ALL NECESSARY JOBSITE MAINTENANCE FROM COMMENCEMENT OF WORK UNTIL COMPLETION OF WORK FROM THE PROJECT AREA.
 - B. AVOID DAMAGE TO THE SITE AND TO EXISTING FACILITIES, STRUCTURES, TREES, AND SHRUBS DESIGNATED TO REMAIN. TAKE PREVENTIVE MEASURES TO PREVENT EXISTING FACILITIES THAT ARE NOT DESIGNATED TO REMAIN FROM BEING DAMAGED OR DESTROYED.
 - C. KEEP SITE FREE OF ALL PONDING WATER.
 - D. PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE DOT AND EPA REQUIREMENTS.
 - E. PROVIDE HANDLING OF ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES NECESSARY TO PROTECT AGAINST THEFT FROM PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION.
- F. EXISTING UTILITIES: DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE ENGINEER AND THEN ONLY AFTER ADEQUATE TEMPORARY UTILITY SERVICE HAS BEEN PROVIDED.
- G. PROVIDE A MINIMUM 48-HOUR NOTICE TO THE ENGINEER AND RECEIVE WRITTEN NOTICE TO PROCEED BEFORE INTERRUPTING ANY UTILITY SERVICE.

PART 2 - PRODUCTS

- 2.1 SUITABLE BACKFILL: ASTM D2321 (CLASS II OR III) FREE FROM FROZEN Lumps, ROCKS, STONES OR BODIES LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE NON-POROUS GRANULAR ENHANCEMENT AND BACKFILL: ASTM D2321 (CLASS II, III OR IV) COARSE GRAIN SIZE OF 60% OR GREATER. NO ROCKS OR BODIES LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE NON-POROUS MATERIAL UNSUITABLE FOR BACKFILL.
- 2.2 POROUS GRANULAR ENHANCEMENT AND BACKFILL: ASTM D2321 (CLASS II, III OR IV) COARSE AGGREGATE FREE FROM FROZEN Lumps, ROCKS, STONES OR BODIES LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE NON-POROUS MATERIAL UNSUITABLE FOR BACKFILL.
- 2.3 SELECT STRUCTURAL PILE: GRANULAR LIFT MATERIAL MEETING THE REQUIREMENTS OF ASTM E890-95 FOR USE AS DRIVING ANCHORS AND TRENCH BACKFILL; WELL-GRADED SAND MEETING THE GRADATION REQUIREMENTS OF ASTM D4242 (NO. 50 OR S# 30).
- 2.4 COARSE AGGREGATE FOR ACCESS ROAD SUBBASE COURSE SHALL CONFORM TO ASTM D6940.
- 2.5 PROTECTIVE COVERING: MODERATELY PLASTIC SILTS AND CLAYS (LL=45), MATERIAL CONTAINING REFUSE, FROZEN Lumps, DEMONSTRATED BITUMINOUS MATERIAL, VEGETATIVE MATTER, WOOD, STONES IN EXCESS OF 3 INCHES IN ANY DIMENSION, AND OTHER SOLIDS NOT ALLOWED BY CONSTRUCTION MANUAL. TYPICAL THICKNESS OF COVERING SHALL BE 6 INCHES AS PER ASTM A754, CLASS I, POLYETHYLENE.
- 2.6 GEOTEXTILE FABRIC: HEAVY SOOK OR APPROVED EQUAL
- 2.7 PLASTIC MEMBRANE: MUST BE USED ONLY WHEN IT CAN BE PROVEN THAT POLYMER LIFT SPECIFICALLY DESIGNED FOR HARBORING AND LOCATING UNDERGROUND UTILITIES, 8 INCHES IDEAL WITH A MINIMUM THICKNESS OF 6.004 inch TAPE SHALL HAVE MINIMUM STRENGTH OF 1800 PSI IN BOTH DIRECTIONS AND MANUFACTURING TOLERANCES SHALL BE WITHIN 1% OF NOMINAL WEIGHT PER SQUARE FOOT BY DESIGN. A MINIMUM PROTECTION WHEN BURIED UP TO 3 FEET DEEP: THE METALLIC CORE OF THE TAPE SHALL BE ENCASED IN A PROTECTIVE JACKET OR PROVIDED WITH OTHER MEANS TO PROTECT IT FROM CORROSION. TAPE COLOR SHALL BE WHITE.

PART 2 - EXECUTION

- [illegible]

3.3 TRENCH EXCAVATIONS

- [illegible]

ENVIRONMENTAL NOTES

- [illegible]

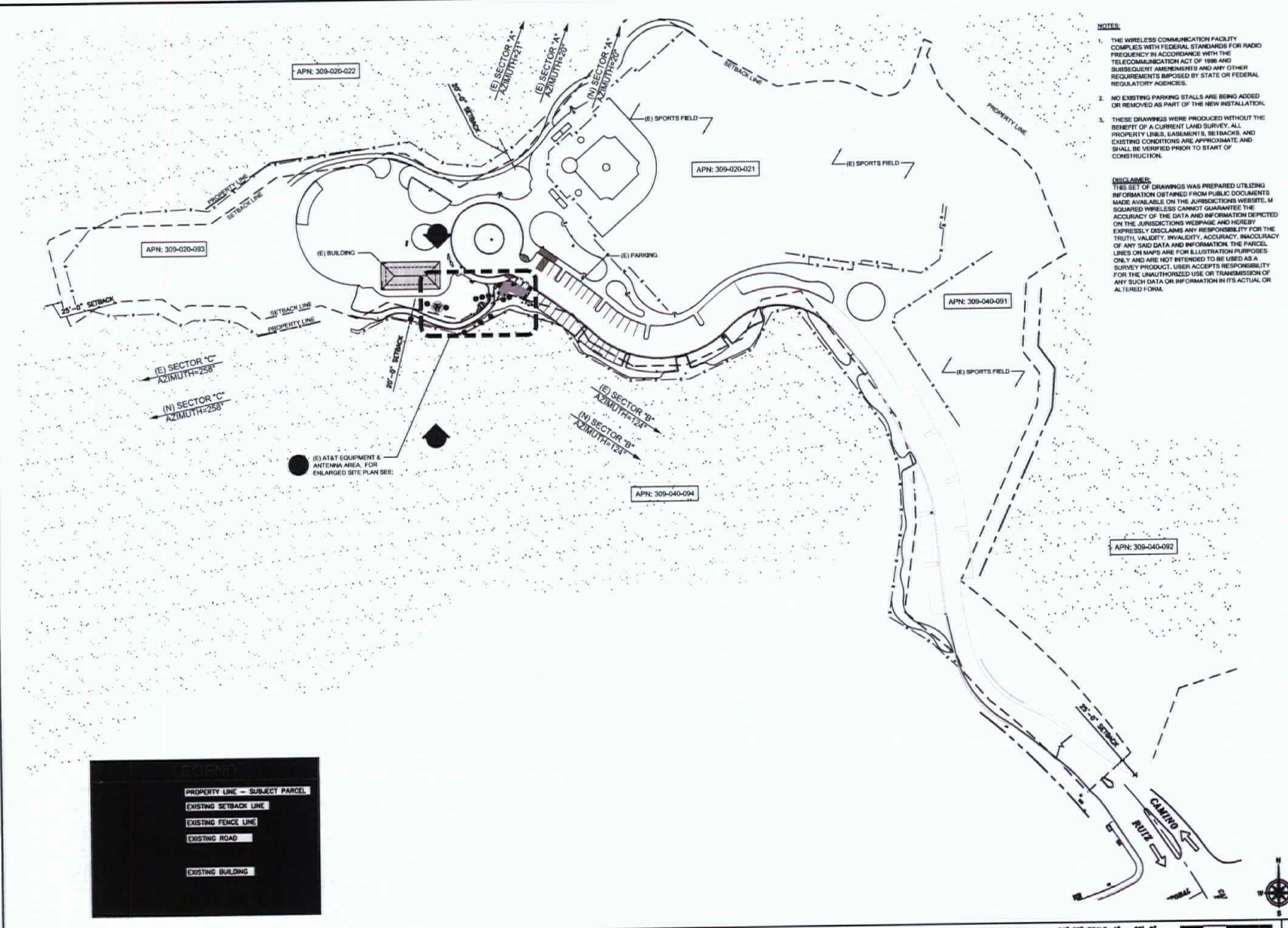
STRUCTURAL CONCRETE NOTES

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE AC 308-1-TC, AC 318-08 AND THE SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
1. ALL CONCRETE WORK SHALL BE TO THE FOLLOWING MINIMUM REQUIREMENTS:
- a. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, EPOXY UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL BE TYPE 645, 18 GA. 2X6 MESH UNLESS NOTED OTHERWISE.
 - b. A 1/2" WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE, SPECIFIED CLASS "75" AND ALL MOORS SHALL BE STANDARD UNLESS NOTED OTHERWISE.
 - c. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
 - 1. REINFORCING STEEL AGAINST EARTH 3 IN.
 - 2. CONCRETE EXPOSED TO EARTH ON WEATHER:
 - a. JOBS AND LARGER 2 IN.
 - b. JOBS AND SMALLER & W/F 1-1/2 IN.
 - 3. CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
 - a. SLAB AND WALL 3/4 IN.
 - b. BEAMS AND COLUMNS 1-1/2 IN.
 - b. A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE UNLESS NOTED OTHERWISE.
 - c. WITHIN 4' OF SECTION
 - d. HOLES TO RECEIVE CONDUITS/WIDE ANCHORS SHALL BE 1/8" LARGER IN DIAMETER THAN THE ANCHOR BOLT, CONDUIT OR ROD AND SHALL CONFORM TO MANUFACTURER'S RECOMMENDATIONS FOR LOCATION AND ANCHOR OUTLET EXISTING REBAR
 - e. WHEN DRILLING HOLES IN ELEVATED CONCRETE SLABS.
 - 7. USE AND INSTALLATION OF CONCRETE EXPANSION/SHRINK JOINTS SHALL BE PER AC308 & AC308.1-1-10 UNLESS OTHERWISE SPECIFIED.

STRUCTURAL STEEL NOTES

1. STEEL SHALL BE SHAPED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION. STEEL SECTIONS SHALL BE IN ACCORDANCE WITH ASTM AS INDICATED BELOW:
- W-SHAPE: ASTM A992
 - ANGLEX, SHAPES CHANNELX: ASTM A36, 36 KSI
 - W8 SECTIONS: ASTM A501, 66 KSI
 - Pipe SECTIONS: ASTM A53-2, 35 KSI
2. ALL EXTERIOR EXPOSED STEEL AND HANGROUS SHALL NOT BE HOTTED GALVANIZED.
3. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AS SPECIFIED FILLER METAL BEZEL ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE FOR TABLE 2.4.8 IN THE AISC "MANUAL OF STEEL CONSTRUCTION".
4. PAINTED SURFACES SHALL BE TOUCHED UP.
5. BOLTED CONNECTIONS SHALL BE ASTM A325 BEARING TYPE 3/4" CONNECTIONS AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
6. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. ASTM A307 BOLTS UNLESS NOTED OTHERWISE.
7. ALL NOTIFICATIONS ARE TO BE COATED WITH ZINC DICHROD PAIN.

[illegible]



NOTES:

1. THE WIRELESS COMMUNICATION FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES.
2. NO EXISTING PARKING STALLS ARE BEING ADDED OR REMOVED AS PART OF THE NEW INSTALLATION.
3. THESE DRAWINGS WERE PRODUCED WITHOUT THE BENEFIT OF A CURRENT LAND SURVEY. ALL PROPERTY LINES, EASEMENTS, SETBACKS AND EXISTING CONDITIONS ARE APPROXIMATE AND SHALL BE VERIFIED PRIOR TO START OF CONSTRUCTION.

DISCLAIMER:
THIS SET OF DRAWINGS WAS PREPARED UTILIZING INFORMATION OBTAINED FROM PUBLIC DOCUMENTS MADE AVAILABLE ON THE JURISDICTIONS WEBSITE. M SQUARED WIRELESS CANNOT GUARANTEE THE ACCURACY OF THE DATA AND INFORMATION DEPICTED ON THE JURISDICTIONS WEBSITE AND HEREBY EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE TRUTH, VALIDITY, INACCURACY, INCOMPLETENESS OF ANY SAID DATA AND INFORMATION. THE PARCEL LINES ON MAPS ARE FOR ILLUSTRATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED AS A SURVEY PRODUCT. USER ACCEPTS RESPONSIBILITY FOR THE UNAUTHORIZED USE OR TRANSMISSION OF ANY SUCH DATA OR INFORMATION IN ITS ACTUAL OR ALTERED FORM.

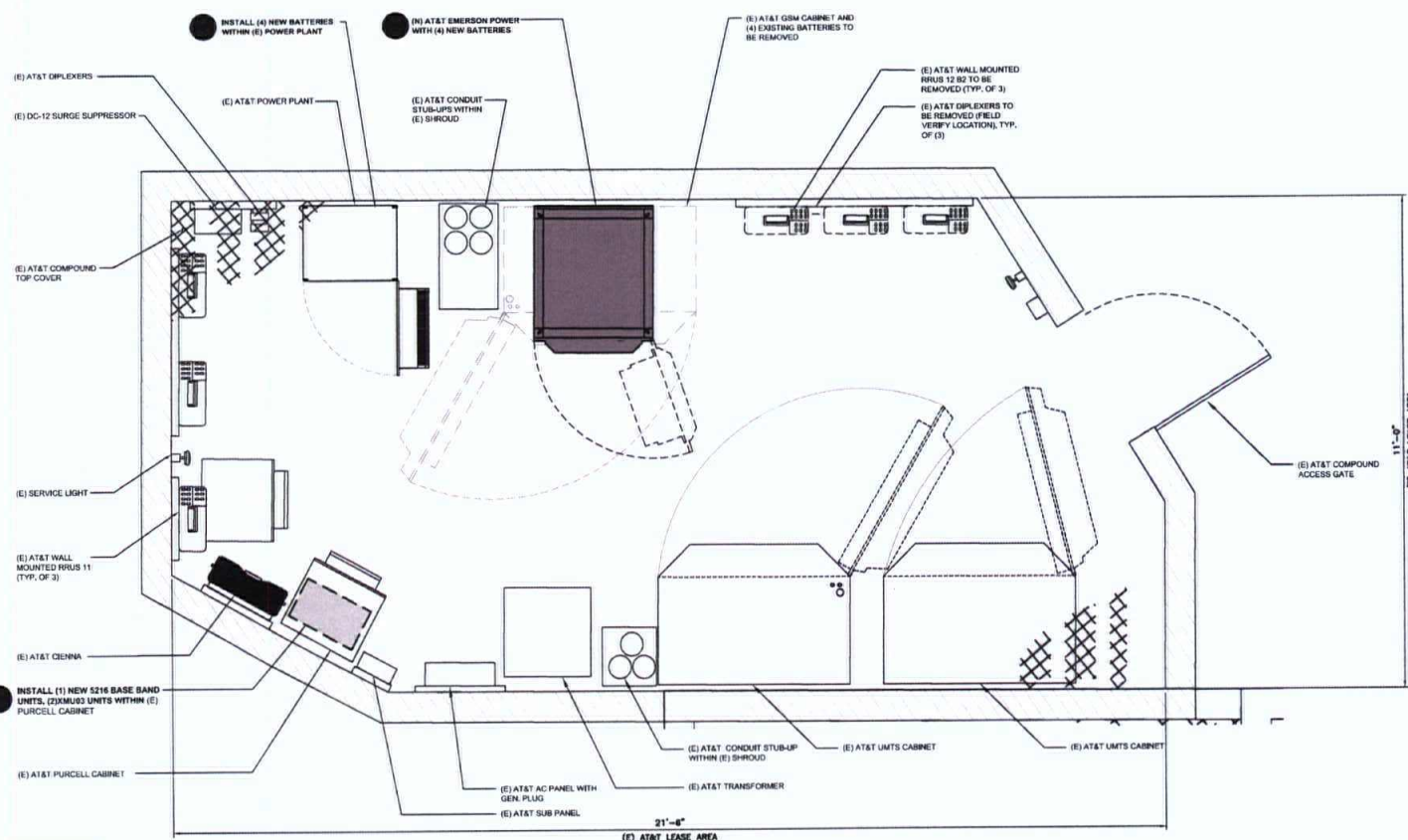
LEGEND

- PROPERTY LINE - SUBJECT PARCEL
- EXISTING SETBACK LINE
- EXISTING FENCE LINE
- EXISTING ROAD
- EXISTING BUILDING

24"x36" SCALE: 1" = 80'-0"
11"x17" SCALE: 1" = 120'-0"

APPLICANT																						
PLANNING	 13648 CALLE BUENO ANAR JAMA, CA 91305																					
ENGINEER	 1587 CALLE AVAREADO SAN DIEGO, CA 92104																					
SITE INFORMATION	SITE NUMBER: NS0622 FA NUMBER: 10105310 CAMINO RUIZ PARK 11498 CAMINO RUIZ SAN DIEGO, CA 92126 SAN DIEGO COUNTY MONO-BROADLEAF																					
DESIGN RECORD	<table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>01/25/2016</td> <td>100% GTS FOR REVIEW</td> <td>JL</td> </tr> <tr> <td>1</td> <td>12/11/2017</td> <td>100% GTS FOR REVIEW</td> <td>AF</td> </tr> <tr> <td>0</td> <td>11/01/2017</td> <td>100% GTS FOR REVIEW</td> <td>AF</td> </tr> <tr> <td>A</td> <td>11/06/2017</td> <td>100% GTS FOR REVIEW</td> <td>AF</td> </tr> </tbody> </table>		REV	DATE	DESCRIPTION	BY	2	01/25/2016	100% GTS FOR REVIEW	JL	1	12/11/2017	100% GTS FOR REVIEW	AF	0	11/01/2017	100% GTS FOR REVIEW	AF	A	11/06/2017	100% GTS FOR REVIEW	AF
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A	11/06/2017	100% GTS FOR REVIEW	AF																			
PROFESSIONAL STAMP	 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.																					
SHEET TITLE	OVERALL SITE PLAN																					
SHEET NUMBER	A-1																					

SITE PLAN



SECTOR	EXISTING REMOTE RADIO UNITS				DC CABLES	
	ANTENNA POSITION	MODEL	RRUS COUNT	LENGTH	AWG	
SECTOR A	2	RRUS 11**	RRUS 12 + A2***	2	#1207	-
	3	-	-	-	-	-
	4	RRUS 32***	1	-	-	-
	1	RRUS 11**	RRUS 12 + A2***	2	#1207	-
SECTOR B	2	-	-	-	-	-
	3	-	-	-	-	-
	4	RRUS 32***	1	-	-	-
	1	RRUS 11**	RRUS 12 + A2***	2	#1207	-
SECTOR C	2	-	-	-	-	-
	3	-	-	-	-	-
	4	RRUS 32***	1	-	-	-
	TOTAL		6			

* DENOTES RRUS TO BE REMOVED
 ** DENOTES RRUS TO BE MOUNTED AT TOP ANTENNA LEVEL
 *** DENOTES RRUS (E) ON AT&T RFS DATED 11/6/2017, BUT NOT PRESENT IN SITE VISIT ON 12/11/2017
 **** DENOTES RRUS MOUNTED AT GROUND EQUIPMENT LEVEL

BATTERY RACK (B) GND M12V155 FT AT 116 LBS PER BATTERY 8 X 116 LBS = 944 LBS
TOTAL BATTERY WEIGHT = 944 LBS
PER MATERIAL SAFETY DATA SHEET ELECTROLYTE (SULFURIC ACID) = 16 TO 18% BY WEIGHT PER BATTERY X 18%
TOTAL SULFURIC ACID = 169.92 LBS
GALLONS TO POUNDS 1 US GAL = 10.66 LBS
TOTAL GALLONS 16 GALLONS OF SULFURIC ACID

SUMMARY:
 • 16 GALLONS < 50 GALLONS
 • THIS SITE IS NOT REQUIRED TO COMPLY WITH THE REQUIREMENTS SET FORTH IN SECTION 808 OF THE CALIFORNIA FIRE CODE
 • 16 GALLONS < 55 GALLONS
 • COUNTY OF SAN DIEGO HAZMAT BUSINESS PLAN IS NOT REQUIRED

13848 CALLE BUENO OVAR
JAMA, CA 91805

1387 CALLE AVAREADO
SAN CLEMENTE CA 95073 (949) 397-0808

SITE INFORMATION

SITE NUMBER: NS0622
 FA NUMBER: 10105310
 CAMINO RUIZ PARK
 11498 CAMINO RUIZ
 SAN DIEGO, CA 92126
 SAN DIEGO COUNTY
 MONO-BROADLEAF

DESIGN RECORD

REV	DATE	DESCRIPTION	BY
2	01/25/2018	100% GDS FOR REVIEW	JA
1	12/11/2017	100% GDS FOR REVIEW	JP
0	11/21/2017	100% GDS FOR REVIEW	JP
A	11/20/2017	80% GDS FOR REVIEW	JP

PROFESSIONAL STAMP

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SHEET TITLE

EQUIPMENT LAYOUT PLAN

SHEET NUMBER

A-2

EQUIPMENT LAYOUT

24"x36" SCALE: 3/4" = 1'-0"
 11"x17" SCALE: 3/8" = 1'-0"

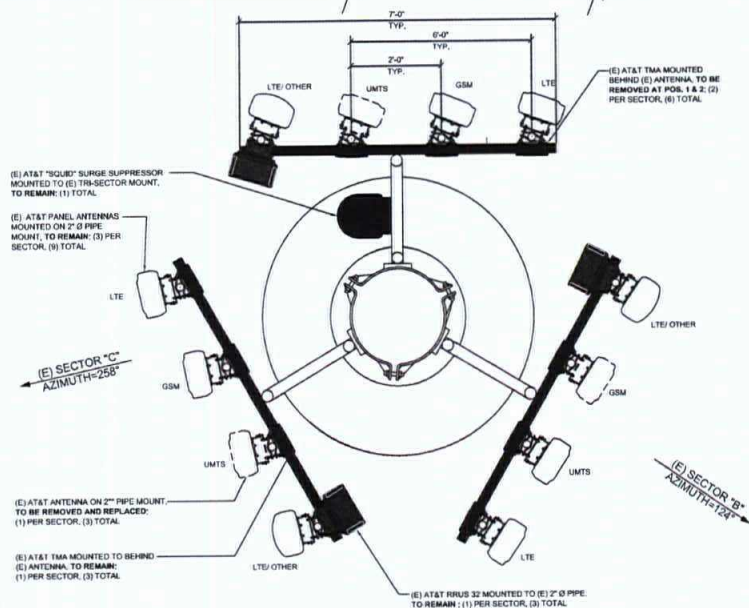


EXISTING OPTIMAL ANTENNA AND TRANSMISSION CABLES REQUIREMENT (VERIFY WITH CURRENT RFDS)						
ANTENNA	EXISTING TECHNOLOGY	EXISTING	ANTENNA MODEL	ANTENNA AZIMUTH	RAD CENTER	TRANSMISSION LINE
EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	LENGTH	PART NUMBER
A1	LTE 700 (HC) LTE 1900 (CC)	KATHREIN 80010765 (6-3")	21"	24-0"	±120°	(E) MAIN COAX
A2	GSM 850	KATHREIN 80010765 (6-3")	21"	24-0"	±120°	(E) MAIN COAX
A3	UMTS 850 UMTS 1900	KATHREIN 80010765 (6-3")	20"	24-0"	±120°	(E) MAIN COAX
A4	LTE (WCS)	COMMSCOPE SBJAH4-40058 (6-4")	20"	24-0"	±120°	(E) FIBER
B1	LTE 700 (HC) LTE 1900 (CC)	KATHREIN 80010765 (6-3")	124"	24-0"	±120°	(E) MAIN COAX
B2	GSM 850	KATHREIN 80010765 (6-3")	124"	24-0"	±120°	(E) MAIN COAX
B3	UMTS 850 UMTS 1900	KATHREIN 80010765 (6-3")	124"	24-0"	±120°	(E) MAIN COAX
B4	LTE (WCS)	COMMSCOPE SBJAH4-40058 (6-4")	124"	24-0"	±120°	(E) FIBER
C1	LTE 700 (HC) LTE 1900 (CC)	KATHREIN 80010765 (6-3")	258"	24-0"	±120°	(E) MAIN COAX
C2	GSM 850	KATHREIN 80010765 (6-3")	258"	24-0"	±120°	(E) MAIN COAX
C3	UMTS 850 UMTS 1900	KATHREIN 80010765 (6-3")	258"	24-0"	±120°	(E) MAIN COAX
C4	LTE (WCS)	COMMSCOPE SBJAH4-40058 (6-4")	258"	24-0"	±120°	(E) FIBER

* DENOTES ANTENNA TO BE REMOVED

NOTES:

- ALL ANTENNAS TO HAVE ANTENNA SOCKS COVERED WITH FOLIAGE TO MATCH EXISTING MONOBROADLEAF COVERING FULL LENGTH OF ANTENNA
- MONOBROADLEAF BRANCHES TO EXTEND PAST FACE OF ANTENNA MINIMUM OF 24"
- EXISTING MONOBROADLEAF BRANCHES NOT SHOWN FOR CLARITY



EXISTING ANTENNA LAYOUT

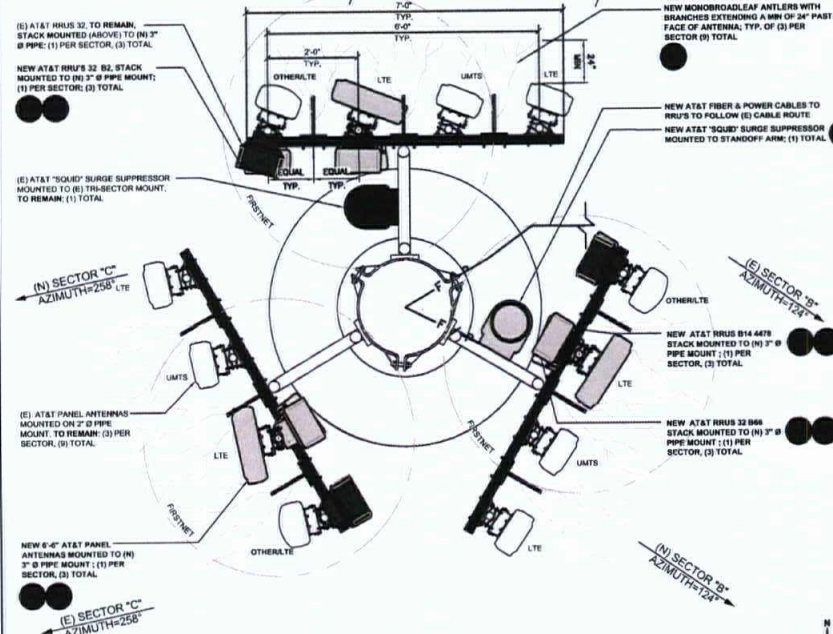
EXISTING REMOTE RADIO UNITS					DC CABLES	
ANTENNA POSITION	MODEL	RRUS COUNT	LENGTH	AWG		
1	RRUS 11**	RRUS 12 + A2***	2	±120°	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	RRUS 32***	-	1	-	-	-
1	RRUS 11**	RRUS 12 + A2***	2	±120°	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	RRUS 32***	-	1	-	-	-
1	RRUS 11**	RRUS 12 + A2***	2	±120°	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	RRUS 32***	-	1	-	-	-
TOTAL				6		

- * DENOTES RRUS TO BE REMOVED
 ** DENOTES RRUS TO BE MOUNTED AT TOP ANTENNA LEVEL
 *** DENOTES RRUS (E) ON AT&T RFDS DATED 11/05/2017, BUT NOT PRESENT IN SITE VISIT ON 12/11/2017
 **** DENOTES RRUS MOUNTED AT GROUND EQUIPMENT LEVEL

NEW/FINAL OPTIMAL ANTENNA AND TRANSMISSION CABLES REQUIREMENT (VERIFY WITH CURRENT RFDS)						
ANTENNA	NEW TECHNOLOGY	EXISTING	NEW	EXISTING	NEW	TRANSMISSION LINE
EXISTING	EXISTING	EXISTING	NEW	EXISTING	NEW	TRANSMISSION LINE
A1	LTE 700 (HC) LTE 1900 (CC)	KATHREIN 80010765 (6-3")	-	21"	-	24-0" ±147° (E) MAIN COAX
A2	UMTS 850 UMTS 1900	KATHREIN 80010765 (6-3")	-	21"	-	24-0" ±120° (E) MAIN COAX
A3	LTE (WCS)	KATHREIN 80010765 (6-3")	-	30"	24-0"	±120° (E) MAIN COAX
A4	LTE 1900 (CC)	COMMSCOPE SBJAH4-40058 (6-4")	-	21"	-	24-0" ±147° (E) FIBER
B1	LTE 700 (HC) LTE 1900 (CC)	KATHREIN 80010765 (6-3")	-	124"	-	24-0" ±147° (E) MAIN COAX
B2	UMTS 850 UMTS 1900	KATHREIN 80010765 (6-3")	-	124"	-	24-0" ±120° (E) MAIN COAX
B3	LTE (WCS)	KATHREIN 80010765 (6-3")	-	124"	-	24-0" ±120° (E) MAIN COAX
B4	LTE 1900 (CC)	COMMSCOPE SBJAH4-40058 (6-4")	-	124"	-	24-0" ±147° (E) FIBER
C1	LTE 700 (HC) LTE 1900 (CC)	KATHREIN 80010765 (6-3")	-	258"	-	24-0" ±147° (E) MAIN COAX
C2	UMTS 850 UMTS 1900	KATHREIN 80010765 (6-3")	-	258"	-	24-0" ±120° (E) MAIN COAX
C3	LTE (WCS)	KATHREIN 80010765 (6-3")	-	258"	-	24-0" ±120° (E) MAIN COAX
C4	LTE 1900 (CC)	COMMSCOPE SBJAH4-40058 (6-4")	-	258"	-	24-0" ±147° (E) FIBER

NOTES:

- ALL ANTENNAS TO HAVE ANTENNA SOCKS COVERED WITH FOLIAGE TO MATCH EXISTING MONOBROADLEAF COVERING FULL LENGTH OF ANTENNA
- MONOBROADLEAF BRANCHES TO EXTEND PAST FACE OF ANTENNA MINIMUM OF 24"
- EXISTING MONOBROADLEAF BRANCHES NOT SHOWN FOR CLARITY



NEW ANTENNA LAYOUT

NEW/FINAL REMOTE RADIO UNITS					DC CABLES	
ANTENNA POSITION	MODEL	RRUS COUNT	LENGTH	AWG		
1	RRUS 11**	-	1	±120°	-	-
2	(N) RRUS 32 08P** (N) RRUS B14 447P**	2	±120°	-	-	-
3	RRUS 32*** (N) RRUS 32 08P**	2	±120°	-	-	-
4	RRUS 11**	-	1	±120°	-	-
1	(N) RRUS 32 08P** (N) RRUS B14 447P**	2	±120°	-	-	-
2	-	-	-	-	-	-
3	(N) RRUS 32 08P** (N) RRUS B14 447P**	2	±120°	-	-	-
4	RRUS 11**	-	1	±120°	-	-
1	(N) RRUS 32 08P** (N) RRUS B14 447P**	2	±120°	-	-	-
2	-	-	-	-	-	-
3	(N) RRUS 32 08P** (N) RRUS B14 447P**	2	±120°	-	-	-
4	RRUS 32*** (N) RRUS 32 08P**	2	±120°	-	-	-
TOTAL				15		

- * DENOTES RRUS TO BE MOUNTED AT TOP ANTENNA LEVEL
 ** DENOTES RRUS (E) ON AT&T RFDS DATED 11/05/2017, BUT NOT PRESENT IN SITE VISIT ON 12/11/2017
 *** DENOTES RRUS MOUNTED AT GROUND EQUIPMENT LEVEL

NOTES TO CONTRACTOR:

- CONTRACTOR IS TO REFER TO AT&T'S MOST CURRENT RADIO FREQUENCY DATA SHEET (RFDS) PRIOR TO CONSTRUCTION
- CABLE LENGTHS WERE DETERMINED BASED ON VISUAL INSPECTION DURING SITE-WALK. CONTRACTOR TO VERIFY ACTUAL LENGTH DURING PRE-CONSTRUCTION WALK
- CONTRACTOR TO VERIFY PORTS HAVE SUFFICIENT ROOM
- NEW ANTENNAS TO BE PROVIDED WITH "FOLK FOLIAGE" COVER TO MATCH EXISTING

APPLICANT

PLANNING

13848 CALLE RUIZ DRIVE
JANIL, CA 92155

ENGINEER

1387 GALLS AVENUE
SAN CLEMENTE CA 92673 (949) 991-0004

SITE INFORMATION

SITE NUMBER: NS0622
 FA NUMBER: 10105310
 CAMINO RUIZ PARK
 11498 CAMINO RUIZ
 SAN DIEGO, CA 92126
 SAN DIEGO COUNTY
 MONO-BROADLEAF

DESIGN RECORD

REV	DATE	DESCRIPTION	BY
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1	10/11/2017	100% GTS FOR REVIEW	AF
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PROFESSIONAL STAMP

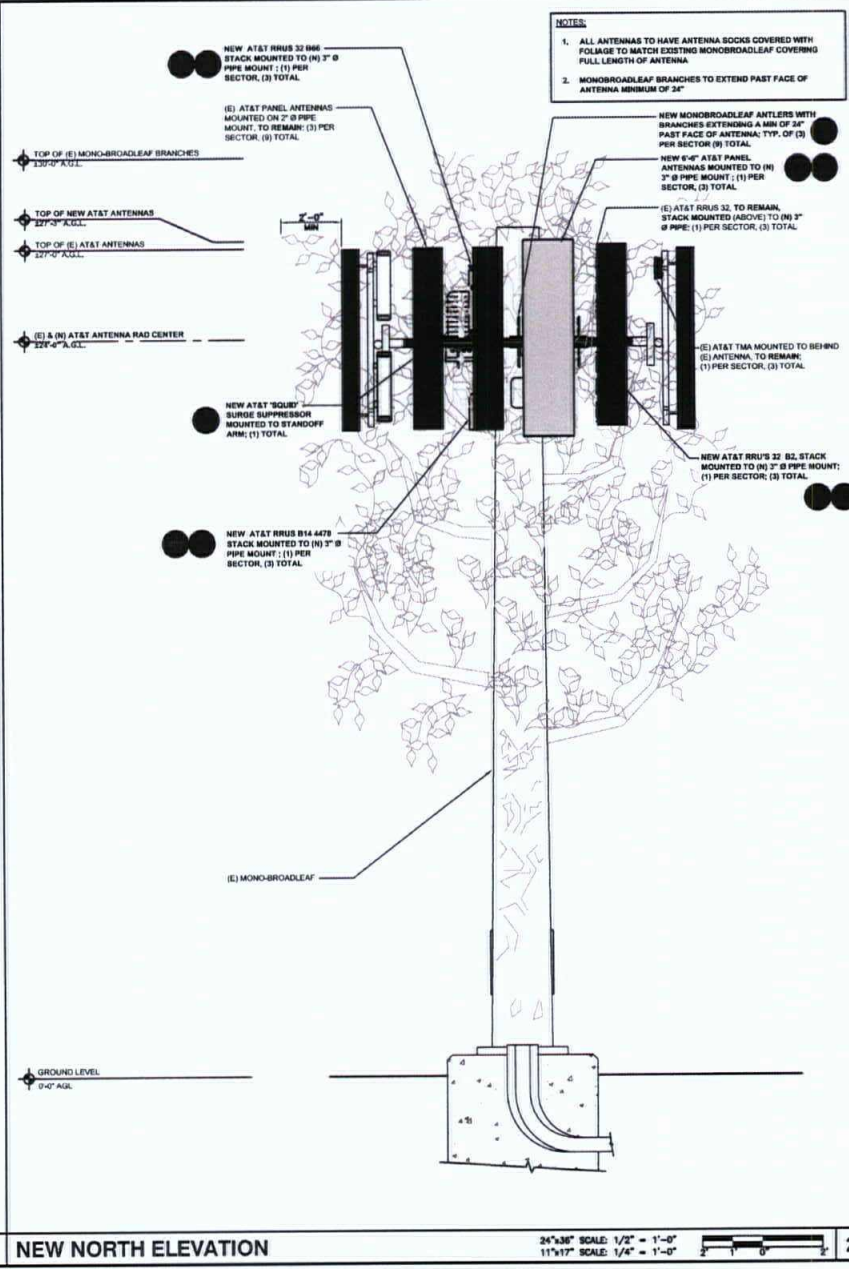
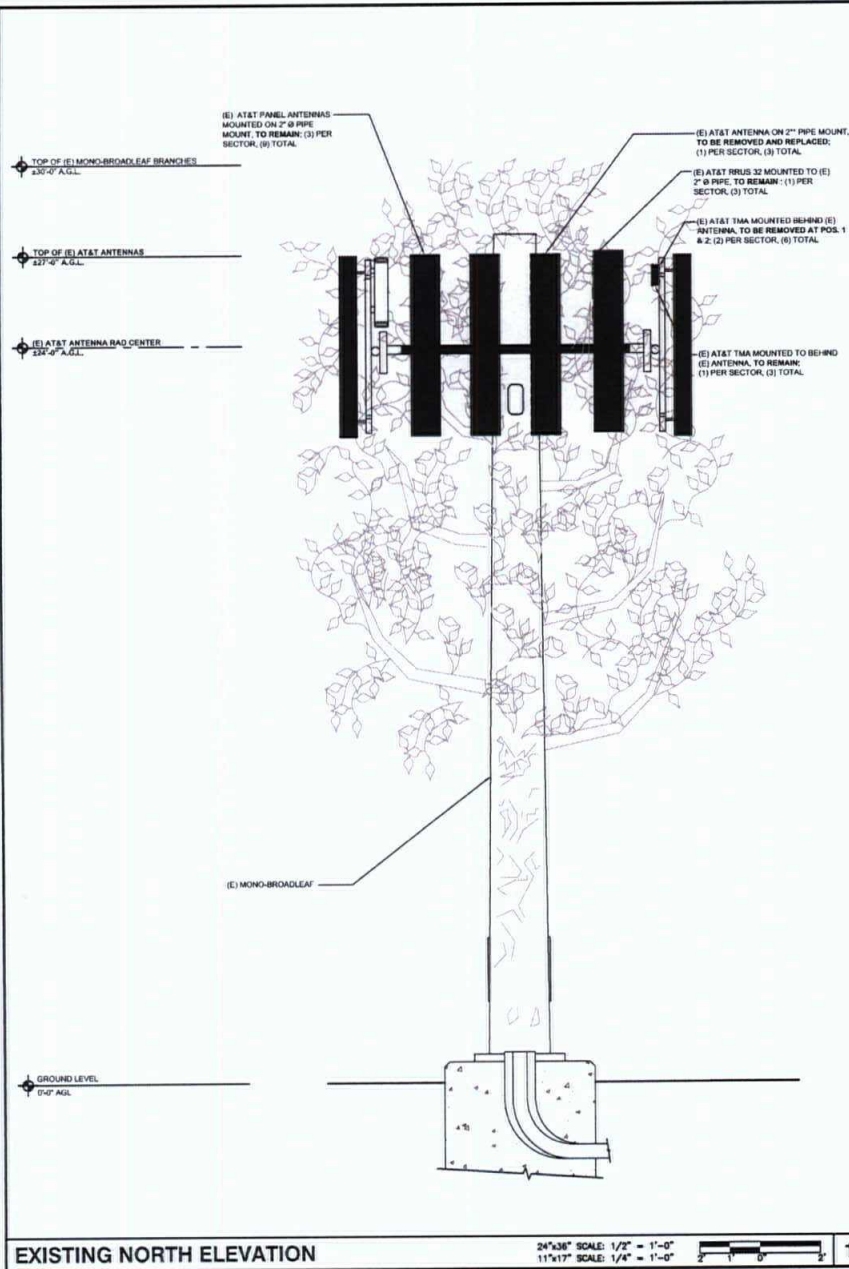
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SHEET TITLE

ANTENNA LAYOUT

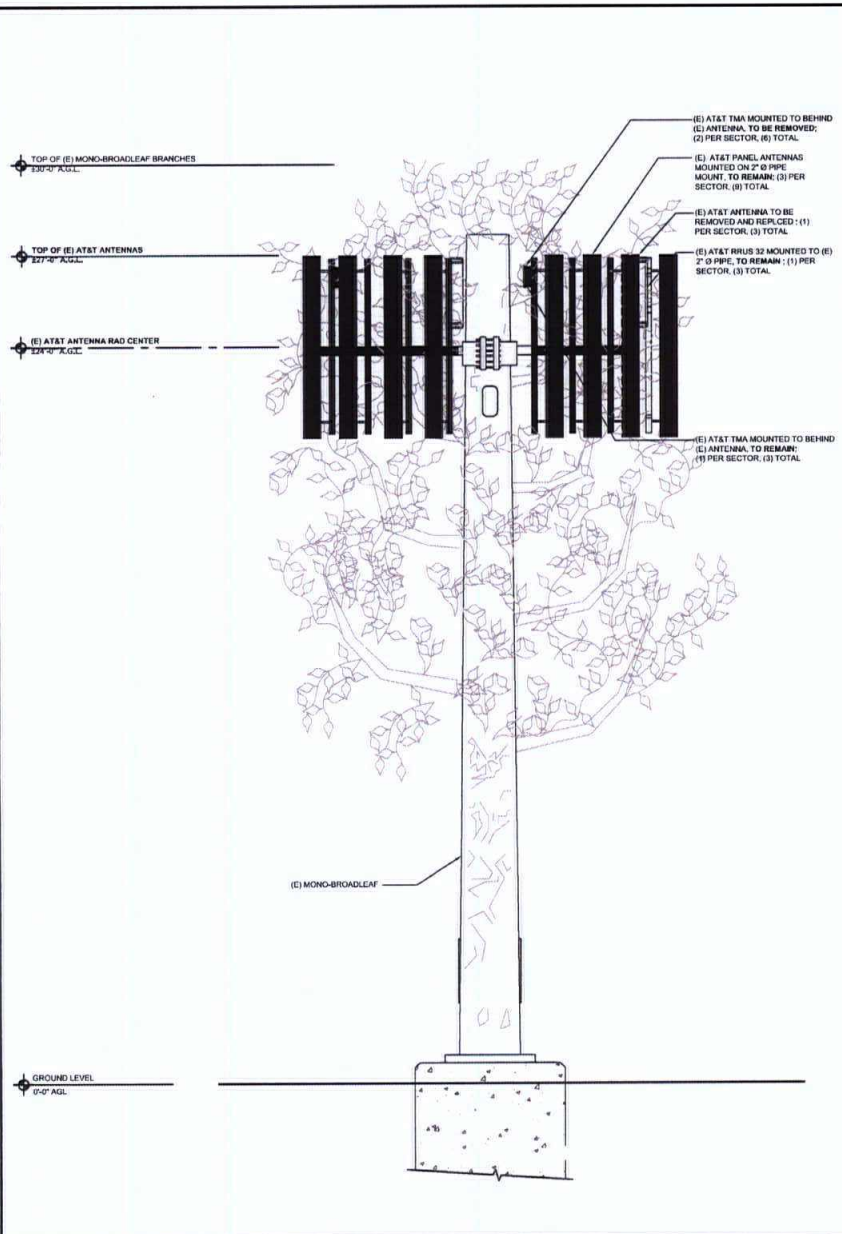
SHEET NUMBER

A-3



- NOTES:**
1. ALL ANTENNAS TO HAVE ANTENNA SOCKS COVERED WITH FOLIAGE TO MATCH EXISTING MONO-BROADLEAF COVERING FULL LENGTH OF ANTENNA
 2. MONO-BROADLEAF BRANCHES TO EXTEND PAST FACE OF ANTENNA MINIMUM OF 34"

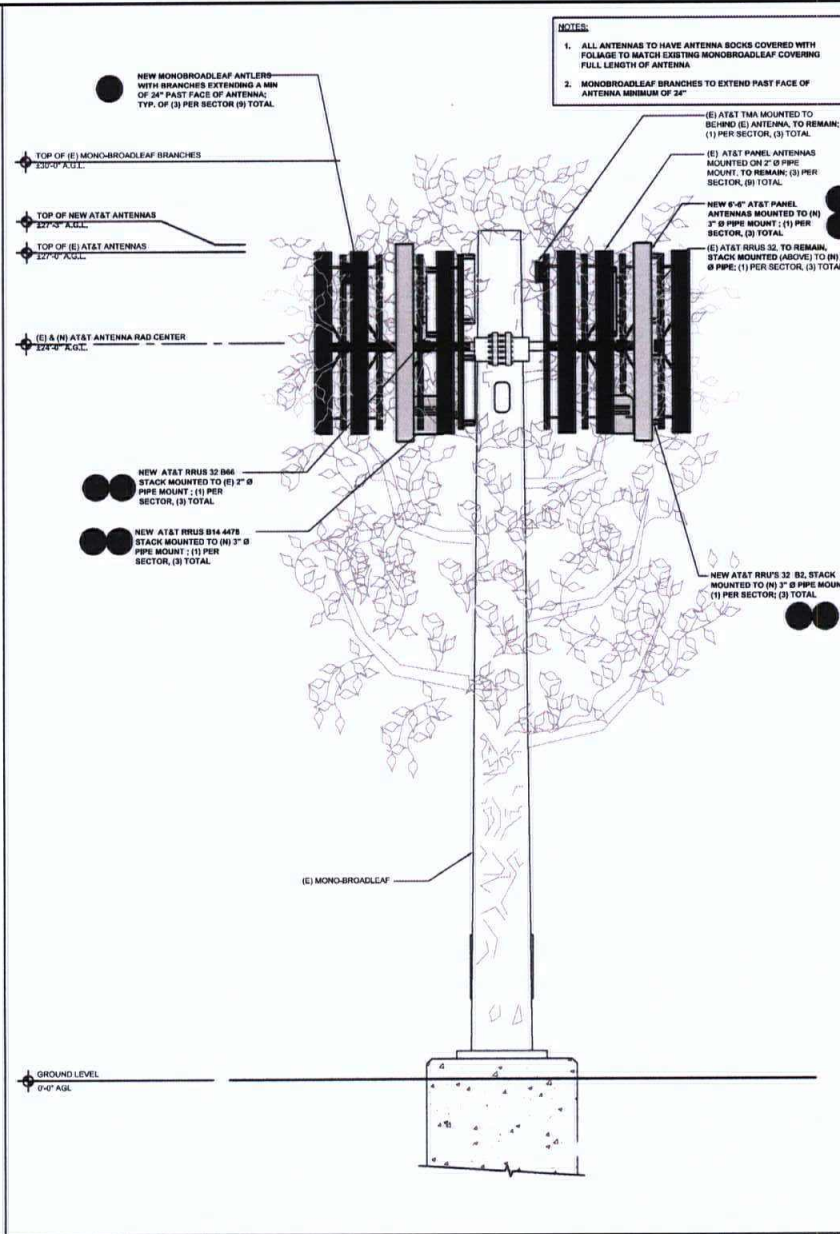
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PLANNING																						
	13048 CALLE BUENO OHARR JANA, CA 91938																					
ENGINEER																						
	1387 CALLE AVAREADO SAN CLEMENTE CA 92675 (949) 391-8891																					
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1	12/11/2017	100% CITS FOR REVIEW	JA																			
0	11/01/2017	100% CITS FOR REVIEW	JA																			
1	11/26/2017	100% CITS FOR REVIEW	JA																			
PROFESSIONAL STAMP																						
	IF 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.																					
SHEET TITLE	ELEVATIONS																					
SHEET NUMBER	A-4																					



EXISTING SOUTH ELEVATION

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

1



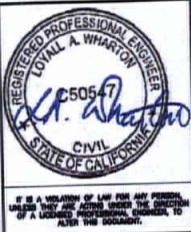
NEW SOUTH ELEVATION

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

2

- NOTES:**
- ALL ANTENNAS TO HAVE ANTENNA SOCKS COVERED WITH FOLIAGE TO MATCH EXISTING MONO-BROADLEAF COVERING FULL LENGTH OF ANTENNA.
 - MONO-BROADLEAF BRANCHES TO EXTEND PAST FACE OF ANTENNA MINIMUM OF 34".

APPLICANT																					
PLANNING	 13048 CALLE BENDO GAVAR JANUA, CA 91935																				
ENGINEER	 1587 CALLE AVANZADO SAN CLEMENTE CA 92673 (949) 951-4854																				
SITE INFORMATION	SITE NUMBER: NS0622 FA NUMBER: 10105310 CAMINO RUIZ PARK 11498 CAMINO RUIZ SAN DIEGO, CA 92126 SAN DIEGO COUNTY MONO-BROADLEAF																				
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SHEET TITLE	ELEVATIONS																				
SHEET NUMBER	A-5																				

				APPLICANT																																													
				PLANNING	 13848 CALLE BUEHO GRANDE JAMAIL, CA 91535																																												
				ENGINEER	 13848 CALLE AVAREADO SAN CLAYMENTS CA 91535 (PH) 951-4854																																												
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				SHEET TITLE	DETAILS																																												
				SHEET NUMBER	D-2																																												
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NOT USED

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

9

NOT USED

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

6

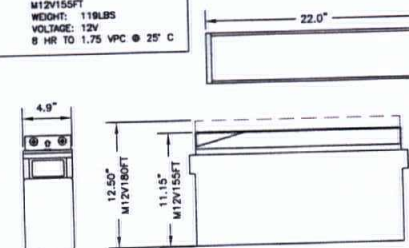
NOT USED

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

3

MANUFACTURER: GNB
MODEL NO: M12V180FT
HEIGHT: 12.5"
WIDTH: 4.90"
DEPTH: 22.00"
8 HR TO 1.75 VPC @ 25° C

MANUFACTURER: GNB
MODEL NO: M12V155FT
HEIGHT: 11.15"
WIDTH: 4.90"
DEPTH: 22.00"
8 HR TO 1.75 VPC @ 25° C



NOT USED

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

8

NOT USED

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

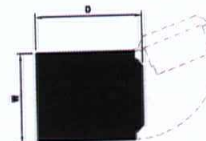
5

NEW BATTERY DETAIL

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

2

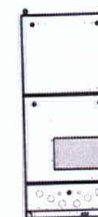
EMERSON NETWORK POWER	
NETX11ND FLEX CABINET - P20125A	
-48VDC/30A/DC POWER & BATTERY ENCLOSURE	
HEIGHT (H)	72"
WIDTH (W)	36"
DEPTH (D)	36"
WEIGHT	752 LBS.
MOUNTING:	PAD PLATFORM



TOP VIEW



FRONT VIEW



REAR VIEW

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

4

NETSURE 512 DC POWER SYSTEM

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

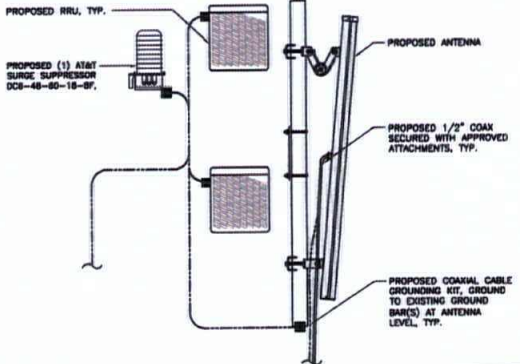
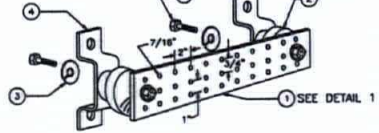
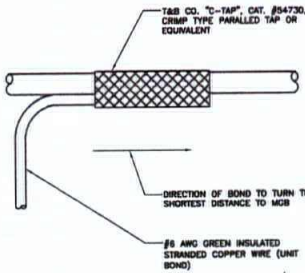
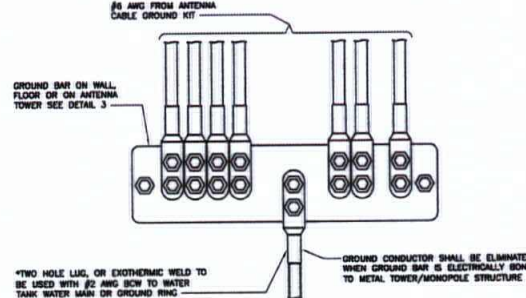
1

NOT USED

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

7

NOT USED

		 PROPOSED RRU, TYP. PROPOSED (1) AT&T SURGE SUPPRESSOR DCS-48-60-18-07. PROPOSED ANTENNA PROPOSED 1/2" COAX SECURED WITH APPROVED ATTACHMENTS, TYP. PROPOSED COAXIAL CABLE GROUNDING KIT, GROUND TO EXISTING GROUND BAR(S) AT ANTENNA LEVEL, TYP.	APPLICANT  PLANNING  13848 CALLE BUENO GANAR JANUA, CA 91935 ENGINEER  1987 CALLE AVANZADO SAN CLEMENTE CA 92673 (949) 391-0894																				
NOT USED	NOT USED	ANTENNA/RRU GROUNDING	3																				
		 LEGEND: 1. COPPER GROUND BAR, 1/4"x 4"x 20", NEWTON INSTRUMENT CO. CAT. NO. 8-8142 OR EQUAL. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION. (ACTUAL GROUND BAR SIZE WILL VARY BASED ON NUMBER OF GROUND CONNECTIONS) 2. INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4 OR EQUAL. 3. 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8 OR EQUAL WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT. NO. A-8026 OR EQUAL. 4. 5/8-11 X 1" HHCS BOLTS, NEWTON INSTRUMENT CO. CAT. NO. 3012-1 OR EQUAL. 5. INSULATORS SHALL BE ELIMINATED WHEN BONDING DIRECTLY TO TOWER/MONOPOLE STRUCTURE. CONNECTION TO TOWER/MONOPOLE STRUCTURE SHALL BE PER MANUFACTURERS RECOMMENDATIONS	SITE INFORMATION SITE NUMBER: NS0622 FA NUMBER: 10105310 CAMINO RUIZ PARK 11498 CAMINO RUIZ SAN DIEGO, CA 92126 SAN DIEGO COUNTY MONO-BROADLEAF DESIGN RECORD <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>01/23/2019</td> <td>100% QTY FOR REVIEW</td> <td>JA</td> </tr> <tr> <td>1</td> <td>12/11/2017</td> <td>100% QTY FOR REVIEW</td> <td>JF</td> </tr> <tr> <td>0</td> <td>11/21/2017</td> <td>100% QTY FOR REVIEW</td> <td>JF</td> </tr> <tr> <td>A</td> <td>11/28/2017</td> <td>100% QTY FOR REVIEW</td> <td>JF</td> </tr> </tbody> </table>	REV	DATE	DESCRIPTION	BY	2	01/23/2019	100% QTY FOR REVIEW	JA	1	12/11/2017	100% QTY FOR REVIEW	JF	0	11/21/2017	100% QTY FOR REVIEW	JF	A	11/28/2017	100% QTY FOR REVIEW	JF
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A	11/28/2017	100% QTY FOR REVIEW	JF																				
NOT USED	NOT USED	GROUNDING BAR DETAIL	2																				
	 T&B CO. "C-TAP", CAT. #04730, CRIMP TYPE PARALLEL TAP OR EQUIVALENT DIRECTION OF BOND TO TURN TO SHORTEST DISTANCE TO MGB #6 AWG GREEN INSULATED STRANDED COPPER WIRE (UNT BOND)	 #6 AWG FROM ANTENNA CABLE GROUND KIT GROUND BAR ON WALL, FLOOR OR ON ANTENNA TOWER SEE DETAIL 3 *TWO HOLE LUG, OR EXOTHERMIC WELD TO BE USED WITH #2 AWG BOW TO WATER TANK WATER MAIN OR GROUND RING GROUND CONDUCTOR SHALL BE ELIMINATED WHEN GROUND BAR IS ELECTRICALLY BONDED TO METAL TOWER/MONOPOLE STRUCTURE *... GROUND BARS AT THE BOTTOM OF TOWERS/MONOPOLES SHALL ONLY USE EXOTHERMIC WELDS.	PROFESSIONAL STAMP  IT IS A VIOLATION OF LAW FOR ANY PERSON, OTHER THAN THE ENGINEER, TO SIGN OR SEAL THIS DOCUMENT, OR TO ALTER THIS DOCUMENT. SHEET TITLE GROUNDING SCHEMATIC & GROUNDING DETAILS SHEET NUMBER G-1																				
NOT USED	GROUNDING WIRE CONNECTION	WIRE TO GROUND BAR CONNECTION	1																				