

SD Real Estate
Assets
City Consent Application

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

2/14/2019

Date

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

RE: Site Name: SD06840A- Miramar Ranch North Water Tank Project # _____
Site Address: 11494 Weatherhill Way, San Diego, CA 92131, San Diego (the "Property")
Agreement: Agreement dated Dec, 01, 2011 (the "agreement") between The City of San Diego ("City") and T-Mobile West Corporation, ("Lessee" or "Permittee").

T-Mobile West Corporation is seeking Consent from the City to perform the following to the above 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:

T-Mobile proposes the continued use and operations of an existing T-Mobile Wireless communications facility consisting of:

Remove and install (3) existing Antennas with (3) new Antennas for a total of (6) 4' Antennas. Install new fiber & cables. No new batteries to 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, T-Mobile West Corporation would like to request City's consent to submit to Development Services Department for review of the proposed items above.

Sincerely, Lauren Richards, agent for T-Mobile West Corporation

Applicant Signature: Lauren Richards Digitally signed by Lauren Richards
Date: 2019.02.13 20:46:45 -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 PUD 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.

2-19-19 Wilson Lau, Assoc. Eng. Wilson Lau
Date Print Name & Title Signature

City of San Diego, acknowledgement and consent for MIRA Mar Ranch North water Tank
Site Location
2/28/19 Cybele L. Thompson, Director, READ [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

Consent to enter site, renew or execute a lease and/or construct on Public Utilities Department (PUD) Property is based on meeting the conditions listed. Consent may be revoked at any time if any of these conditions are not met: (1) Installation of an emergency power kill switch to the antennas (2) Installation of visual indicator to indicate whether or not power is on to the antennas, (3) Label all structures, piping, conduit & appurtenances. Include company name & contact info include phone #, (4) An annual inspection & safety program of all equipment and hardware submitted to the City, (5) Copies inspection & safety program results forwarded to City annually, (6) Drawings to include in background, PUD facility as-built data in plan and profile, (7) All other PUD, Development Services Department and Real Estate Asset Department requirements must be met



SITE NUMBER: SD06840A
SITE NAME: MIRAMAR RANCH NORTH
ADDRESS: 11494 WEATHERHILL WAY
SAN DIEGO, CA 92131
JURISDICTION: CITY OF SAN DIEGO
PROJECT: L1900



FAA SELF CERTIFICATION

I DO HEREBY CERTIFY THAT THE STRUCTURE(S) OR MODIFICATION TO EXISTING STRUCTURE(S) SHOWN ON THESE PLANS DO NOT REQUIRE FEDERAL AVIATION ADMINISTRATION NOTIFICATION BECAUSE PER SECTION 77.15(A) OF TITLE 14 OF THE CODE OF FEDERAL REGULATIONS CFR PART 77, NOTIFICATION IS NOT REQUIRED.

PROJECT INFORMATION

SITE NAME: MIRAMAR RANCH NORTH
SITE NUMBER: SD06840A
SITE ADDRESS: 11494 WEATHERHILL WAY
SAN DIEGO, CA 92131
JURISDICTION: CITY OF SAN DIEGO
COUNTY OF: COUNTY OF SAN DIEGO
LATITUDE: 32.9275833300°N
LONGITUDE: 117.100861000°W
CONSTRUCTION TYPE: N/A
A.P.N.: 319-651-05
ZONING CLASSIFICATION: RS-1-13
PROPOSED USE: UNMANNED TELECOMMUNICATION FACILITY
LEGAL DESCRIPTION: REFER TO SHEET 2/T-3.0
PROPERTY OWNER: CITY OF SAN DIEGO
1200 THIRD AVENUE, SUIT 1700
SAN DIEGO, CA 92101
CONTACT:
VLADIMIR BALOTSKY-READ
PHONE: (619) 235-5248
SAID MAHDAVI-WATER OPS
PHONE: (619) 527-7574
CAROL YOUNG
PHONE: (619) 235-6081
APPLICANT: SAC WIRELESS ON
BEHALF OF T-MOBILE
LAUREN RICHARDS
(480) 735-4868
lauren.richards@sacwireless.com
T-MOBILE PROJECT MANAGER: JOSEPH ROSE
(658) 334-6112
joseph.rose41@T-Mobile.com

LOCATION MAP



VICINITY MAP



SCOPE OF WORK

- T-MOBILE PROPOSES TO:
- REMOVE (3) EXISTING T-MOBILE PANEL ANTENNAS
 - INSTALL (3) NEW T-MOBILE PANEL ANTENNAS
 - INSTALL LOOSE FIBER & DC CABLES
 - REPLACE EXISTING DUS31 WITH PROPOSED B86630 INSIDE EXISTING CABINET
 - NO NEW BATTERIES TO BE ADDED
 - PROJECT VALUATION: \$30,000

DRIVING DIRECTIONS

- DIRECTIONS FROM: 10509 VISTA SORRENTO PKWY #206, SAN DIEGO, CA 92121
1. HEAD SOUTHEAST ON VISTA SORRENTO PKWY
 2. TURN LEFT ONTO MIRA MESA BLVD
 3. USE THE LEFT 2 LANES TO TURN LEFT ONTO SCRIPPS RANCH BLVD
 4. TURN LEFT ONTO WEATHERHILL WAY
- DESTINATION WILL BE ON THE LEFT:
11494 WEATHERHILL WAY,
SAN DIEGO, CA 92131

GENERAL NOTES

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 REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

DO NOT SCALE DRAWINGS

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

SPECIAL NOTES

1. ALL WORK SHALL BE INSTALLED IN CONFORMANCE WITH CURRENT T-MOBILE CONSTRUCTION INSTALLATION GUIDE.
2. EXISTING CONDITIONS WILL BE VERIFIED IN FIELD. IF SIGNIFICANT DEVIATIONS OR DETERIORATION ARE ENCOUNTERED AT THE TIME OF CONSTRUCTION, A REPAIR PERMIT WILL BE OBTAINED & CONTRACTOR SHALL NOTIFY ARCHITECT OR ENGINEER OF RECORD IMMEDIATELY.
3. CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.
4. THESE DRAWINGS ARE FULL SIZE & SCALEABLE ON 22"x34" SHEET SIZE & ARE NOT REDUCED IN SIZE.
5. STATEMENT THAT COMPLIANCE WITH THE ENERGY CODE IS NOT REQUIRED. SCOPE OF WORK DOES NOT INVOLVE MODIFICATIONS TO EXTERIOR ENVELOPE OF BUILDING, HVAC SYSTEMS OR ELECTRICAL LIGHTING.

DRAWING INDEX

SHEET	DESCRIPTION
T-1.0	TITLE SHEET
T-2.0	GENERAL NOTES
T-3.0	ABBREVIATIONS, LEGAL DESCRIPTION, REFERENCED DOCUMENTS, LEGEND & SIGNAGE
A-1.0	OVERALL SITE PLAN
A-2.0	ENLARGED SITE PLAN
A-3.0	EXISTING & PROPOSED ANTENNA PLANS & SCHEDULES
A-3.1	ANTENNA MOUNTING DETAIL
A-3.2	EXISTING & PROPOSED EQUIPMENT PLANS, & EXISTING BATTERY CALCULATIONS
A-4.0	EXISTING & PROPOSED NORTH ELEVATIONS
A-4.1	EXISTING & PROPOSED EAST ELEVATIONS
A-4.2	EXISTING & PROPOSED SOUTH ELEVATIONS
A-4.3	EXISTING & PROPOSED WEST ELEVATIONS
A-5.0	EQUIPMENT DETAILS & SPECIFICATIONS
G-1.0	SCHEMATIC GROUNDING PLANS, NOTES & DETAILS
RF-1.0	EQUIPMENT CONFIGURATION

NOT FOR CONSTRUCTION UNLESS APPROVED BY JURISDICTION

CODE COMPLIANCE

- 2016 CALIFORNIA ENERGY CODE
- 2018 CALIFORNIA BUILDING CODE
- 2016 CALIFORNIA ELECTRICAL CODE
- 2016 CALIFORNIA FIRE CODE
- 2016 CALIFORNIA MECHANICAL CODE
- 2016 CALIFORNIA PLUMBING CODE

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.

T-MOBILE PROJECT MANAGER: _____ DATE: _____
T-MOBILE CONSTRUCTION MANAGER: _____ DATE: _____
T-MOBILE RF ENGINEER: _____ DATE: _____
T-MOBILE FOPS: _____ DATE: _____
SITE ACQUISITION: _____ DATE: _____
PROPERTY OWNER: _____ DATE: _____
ZONING: _____ DATE: _____

PROJECT TEAM

ARCHITECT:
SAC WIRELESS
NESTOR POPOWYCH, A.L.A.
5015 SHOREHAM PLACE, STE 150
SAN DIEGO, CA 92122
CONTACT: DENNIS YOSHII
PHONE: (619) 736-3786 X105
EMAIL: dennis.yoshii@sacwireless.com
ENGINEER:
LET'S INC
MADHAN KUMAR MS, P.E.
112 SOUTH KYRENE ROAD, STE 1
CHANDLER, AZ 85226
PHONE: (480) 408-5087
EMAIL: madhan@letsinc.com
PLANNING/ZONING CONSULTANT:
SAC WIRELESS
LAUREN RICHARDS
5015 SHOREHAM PLACE, STE 150
SAN DIEGO, CA 92122
PHONE: (480) 735-4868
EMAIL: lauren.richards@sacwireless.com
CONSTRUCTION MANAGER:
T-MOBILE USA
KIRT BABCOCK
10509 VISTA SORRENTO PKWY
STE 206
SAN DIEGO, CA 92121
PHONE: (658) 334-6139
EMAIL: kirt.babcock@T-Mobile.com
RF ENGINEER:
T-MOBILE USA
MUSTAFA AJMAL
10509 VISTA SORRENTO PKWY STE 206
SAN DIEGO, CA 92121
PHONE: _____
EMAIL: mustafa.ajmal@T-Mobile.com



Know what's below.
Call before you dig.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (SOUTH), CALL DIG ALERT

TOLL FREE: 1-800-227-2600 OR
www.digalert.org

CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

GENERAL NOTES:

1. THIS FACILITY IS EXEMPT FROM ACCESSIBILITY REQUIREMENTS PER CALIFORNIA/INTERNATIONAL BUILDING CODE SECTION 11B-203.5. THIS FACILITY IS NON-OCCUPABLE SPACE AND ENTERED ONLY BY SERVICE PERSONNEL.
2. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
3. CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND CONSTRUCTION SPECIFICATIONS. THE SPECIFICATION IS THE RULING DOCUMENT AND ANY DISCREPANCIES BETWEEN THE SPECIFICATION AND THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO PROCEEDING WITH CONSTRUCTION.
4. CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFORMING THAT THE WORK MAY BE ACCOMPLISH AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
5. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCES, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS. OWNER PROVIDED MATERIALS WILL INCLUDE THE FOLLOWING, UNLESS NOTED OTHERWISE:
 - A. TRANSMITTER
 - B. RF FILTER
 - C. MFTS RACKS
 - D. AUXILIARY EQUIPMENT IN MFTS RACK
 - E. PUMP ASSEMBLY
 - F. HEAT EXCHANGE
 - G. HOSE AND HOSE MANIFOLD (ANY COPPER OR STEEL SECTION PROVIDED BY CONTRACTOR)
 - H. UHF ANTENNA AND MOUNTING BRACKET, GPS ANTENNA AND KU ANTENNAS
 - I. UHF COAX AND HANGERS
 - J. 48-00B & 208-400 ELECTRICAL TRANSFORMER
 - K. AUTOMATIC TRANSFER SWITCH AND GENERATOR
 - L. EQUIPMENT SHELTER (SHELTER FURNISH IN FACTORY W/ HVAC EQUIPMENT AND ELECTRICAL DISTRIBUTION PANEL)
 - M. INTEGRATED LOAD CENTER
 - N. ANTENNAS, RADARS & CABLES
6. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE WORK.
7. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS. AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
8. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENT.
9. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST CONSTRUCTION SKILLS AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
11. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SUPERINTENDENT OF THE BUILDING & GROUND & SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
13. INSTALL ALL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
14. MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACE, EQUIPMENT, IMPROVEMENTS, PIPING, ETC. AND IMMEDIATELY REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.
15. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT REINFORCING STEEL SHALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES (UNLESS NOTED OTHERWISE). LOCATIONS OF REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT.
16. REPAIR ALL EXISTING WALL SURFACE DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACE.
17. SEAL PENETRATION THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
18. KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITIONS AND FREE FROM PAINT SPOT, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
19. MINIMUM BEND RADIUS OF ANTENNA CABLE SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURER'S RECOMMENDATIONS.
20. DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTORS NEGLIGENCE SHALL BE REPAIRED AND/OR REPLACED TO THE OWNER'S SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACT.
21. ALL CONSTRUCTION IS TO ADHERE TO T-MOBILE'S INTEGRATED CONSTRUCTION STANDARDS UNLESS CALIFORNIA CODE IS MORE STRINGENT.
22. THE INTENT OF THE PLANS AND SPECIFICATIONS IS TO PERFORM THE CONSTRUCTION IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARDS CODE (IF APPLICABLE, TITLE 18 AND 24 CALIFORNIA CODE REGULATIONS). SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISH WORK WILL NOT COMPLY WITH THE REFERENCED CODE ON SHEET T-1.0, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION BEFORE PROCEEDING WITH THE WORK.

SITE WORK NOTES:

1. DO NOT SCALE BUILDING DIMENSIONS FROM DRAWINGS.
2. SIZE, LOCATION, AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILT DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT OR ENGINEER OF RECORD AT COMPLETION OF PROJECT.
3. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN

PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT OR ENGINEER OF RECORD AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORK SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.

4. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTAL AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT OR ENGINEER OF RECORD FOR RESOLUTION AND INSTRUCTION. AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT OR ENGINEER OF RECORD. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL DIGGER HOT LINE FOR UTILITY LOCATIONS 48 HOURS PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO PAPER, TRASH, WEEDS, BRUSH OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
6. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY THE GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

PAINTING NOTES & SPECIFICATIONS:

A. GENERAL

1. ALL PAINT PRODUCT LINES SHALL BE SHERWIN WILLIAMS UNLESS SPECIFICALLY NOTED OTHERWISE.
 2. CONTRACTOR SHALL PREPARE ALL SURFACES AND APPLY ALL FINISHES PER LATEST EDITION OF MANUFACTURER'S SPECIFICATIONS.
 3. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS REGARDING SUFFICIENT DRYING TIME BETWEEN COATS WITH PROVISIONS AS RECOMMENDED BY MANUFACTURER FOR EXISTING WEATHER CONDITIONS.
 4. FINISH COLOR AND TEXTURE OF ALL PAINTED SURFACES SHALL MATCH EXISTING ADJACENT SURFACES UNLESS OTHERWISE NOTED.
 5. ALL PAINT MATERIAL DATA SHEETS SHALL BE PROVIDED TO THE T-MOBILE CONSTRUCTION MANAGER.
 6. PREPARE PREVIOUSLY PAINTED SURFACE BY LIGHT SANDING WITH 400 GRIT SANDPAPER AND NON-HYDROCARBON WASH. PREPARE GALVANIZED SURFACES BY ACID ETCH OR SOLVENT CLEANING IN ACCORDANCE WITH SSPC-SP1.
 7. FURNISH DROP CLOTHES, SHELDS, MASKING AND PROTECTIVE METHODS TO PREVENT SPRAY OR DROPPINGS FROM DAMAGING ADJACENT SURFACES AND FACILITIES.
 8. APPLY PAINT BY AIRLESS SPRAY, SANDING LIGHTLY BETWEEN EACH SUCCEEDING ENAMEL COAT ON FLAT SURFACES. APPLY MATERIAL TO ACHIEVE A COATING NO THINNER THAN THE DRY FILM THICKNESS INDICATED.
 9. APPLY BLOCK FILTER TO CONCRETE BLOCK CONSTRUCTION AT A RATE TO ENSURE COMPLETE COVERAGE WITH PORES COMPLETELY FILLED.
 10. CONTRACTOR SHALL CORRECT RUNS, SAGS, MISSES AND OTHER DEFECTS INCLUDING INADEQUATE COVERAGE AS DIRECTED BY THE T-MOBILE CONSTRUCTION MANAGER. REPAINT AS NECESSARY TO ACHIEVE SURFACES WHICH ARE SMOOTH, EVENLY COATED WITH UNIFORM SHEEN AND FREE FROM BLEMISHES.
- ### B. COATING SYSTEM SPECIFICATIONS
1. DTM ACRYLIC COATING (SERIES B66) BY SHERWIN WILLIAMS CO. 1ML DFT PER COAT APPLIED IN TWO COATS OVER DTM BONDING PRIMER (B66A50).
 2. 100% ACRYLIC, LATEX COATING EQUIVALENT TO A-100 (SERIES A-82) BY SHERWIN WILLIAMS CO. 1 DFT PER COAT APPLIED IN TWO COATS OVER SPECIFIED PRIMER, PAINT & PRIMER

ANTENNAS

PRIMER - KEM AQUA E61-W25
TOPCOAT - COROTHANE II B65W200/B60V2

BTS CABINET

PRIMER - KEM AQUA E61-W25
TOPCOAT - COROTHANE II B65W200/B60V2
COAXIAL JUMPER CABLES

PRIMER - AS REQUIRED FOR ADHESION. APPLY ONE COAT OF KEM AQUA WATER REDUCIBLE PRIMER E61W25 REDUCED 25%

TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

RAW STEEL

PRIMER - KEM BOND HS B65W24, DMT ACRYLIC PRIMER
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

GALVANIZED METAL

ACID ETCH WITH COMMERCIAL ETCH OR VINEGAR PRIMER COAT AND FINISH COAT (GALVITE HIGH SOLIDS OR DTM PRIMER/FINISH)

STAINLESS STEEL

PRIMER - DTM WASH PRIMER, B71Y1
TOPCOATS - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

PRE-PRIMED STEEL

TOUCH UP ANY RUST OR UN-PRIMED STEEL WITH KEM BOND HS, S65W24

ALUMINUM & COPPER

PRIMER - DTM WASH PRIMER, B71Y1
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

CONCRETE MASONRY

PRIMER - PRO MAR EXTERIOR BLOCK FILLER
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH

CONCRETE STUCCO (EXISTING)

2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH

STUCCO

PRIMER - PRO MAR MASONRY CONDITIONED B-46 W4200
TOPCOAT - SUPERPAINT A-80 SERIES A-89 SATIN A-84 GLOSS

WOOD

PRIMER - A-100 EXTERIOR ALKYL W0090 PRIMER Y-24W20
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM SHEEN TO MATCH ADJACENT SURFACES

FIELD CUTS/ DAMAGE (PRIOR TO PRIME & PAINT)

FIRST & SECOND COAT - CUPRINOX CLEAR WOOD PRESERVATIVE #158-0356 ALL PENETRATIONS INTO FINISHED GLULAMS SHALL BE CAULKED WITH "SIKAFLEX" SEALANT
STEEL TOUCH UP
STEEL THAT HAS BEEN WELDED, CUT OR SCRATCHED IN THE FIELD SHALL BE TOUCHED UP WITH GOLD GALVANIZED PAINT.

GROUNDING NOTES:

1. COMPRESSION CONNECTIONS (2) 1/2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUNDING BAR. ROUTE CONDUCTORS TO BURIED GROUNDING RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
2. EG SHALL USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "T", "T") WITH 1" HIGH LETTERS.
3. ALL HARDWARE 16-8 STAINLESS STEEL, INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8 INCH DIAMETER OR LARGER.
4. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
5. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUNDING BAR AND BOLTED ON THE BACK SIDE.
6. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED.
7. WHEN THE SCOPE OF WORK REQUIRES THE ADDITION OF A GROUNDING BAR TO AN EXISTING TOWER, THE SUBCONTRACTOR SHALL OBTAIN APPROVAL FROM THE TOWER OWNER PRIOR TO MOUNTING THE GROUNDING BAR TO THE TOWER.
8. ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST EDITION), CALIFORNIA BUILDING STANDARDS AND MANUFACTURER.

BATTERY NOTES:

1. ANY CHARGES OR ADDITIONS TO BACKUP BATTERIES SHALL NOT CONTAIN ELECTROLYTE QUANTITIES IN EXCESS OF 50 GALLONS AND NEED NOT COMPLY WITH THE REQUIREMENTS OF CALIFORNIA/INTERNATIONAL FIRE CODE (REFERRED TO IN T-1.0) SECTION 808 AS INDICATED IN SECTION 808.1

FIRE DEPARTMENT NOTES:

1. IF FIRE DEPARTMENT FINAL INSPECTION IS REQUIRED, SCHEDULE INSPECTION 2 DAYS IN ADVANCE.
2. A CALIFORNIA/INTERNATIONAL FIRE CODE PERMIT TO OPERATE BATTERY SYSTEMS WITH STATIONARY LEAD-ACID BATTERIES IS NOT REQUIRED FOR THE QUANTITIES ON SITE.
3. A CALIFORNIA/INTERNATIONAL FIRE CODE PERMIT MAY BE REQUIRED FOR THE HAZARDOUS MATERIALS ON SITE.
4. REQUIRED SIGNAGE SHALL INCLUDE LETTERING HEIGHT OF AT LEAST ONE INCH, IN A COLOR THAT CONTRASTS TO THE SIGN BACKGROUND, AND SHALL BE PROMINENTLY DISPLAYED.
5. AN APPROVED METHOD TO NEUTRALIZE SPILLED ELECTROLYTE SHALL BE PROVIDED IN THE BATTERY ROOM.
6. BATTERIES SHALL BE PROVIDED WITH SAFETY VENTING CAPS.
7. CONTRACTOR SHALL VERIFY IN FIELD THE EXISTENCE OR INSTALLATION OF A FIRE EXTINGUISHER WITH A MINIMUM RATING OF 2A-10BC, WITH A CHARGE STATUS ACCEPTABLE TO THE LOCAL FIRE AUTHORITY HAVING JURISDICTION.
8. LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH THE UNIFORM FIRE CODE STANDARD 10-1 AND PLACEMENT IS SUBJECT TO APPROVAL OF THE FIRE INSPECTOR.
9. STORAGE, DISPENSING OR USE OF ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH UNIFORM FIRE CODE REGULATIONS.
10. EXIT DOORS SHALL BE ABLE TO OPEN FROM THE INSIDE WITHOUT THE USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
11. ADDRESS NUMBERS SHALL BE A MINIMUM 6 INCHES HIGH AND PLAINLY VISIBLE FROM ROADWAY BUILDING IS ADDRESSED ON.
12. REQUIRED SIGNAGE SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, APPLICABLE TYPES FROM EXAMPLES SHOWN HEREIN (SEE SIGNAGE IN T-3.0).
13. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE CONSTRUCTED SO AS TO MAINTAIN AN EQUAL OR GREATER FIRE RATING.
14. DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION. [CALIFORNIA/INTERNATIONAL FIRE CODE 607.3]

T-Mobile

1594 WEST BORDERS BLVD. #100
SAN JOSE, CA 95128
T-MOBILE.COM

SAC
WIRELESS

SAC & DESIGN GROUP, INC.
5015 SHOREWAY PLACE, SUITE 150
SAN DIEGO, CA 92122
www.sacwireless.com

REVISIONS

NO.	DATE	DESCRIPTION	BY
0	08/18/18	90% CD%	JL

DATE

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM A REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA.

L1000
MIRAMAR RANCH NORTH
SD06840A
11494 WEATHERHILL WAY
SAN DIEGO, CA 92131

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

T-2.0

THIS INFORMATION CONTAINED ON THESE SET OF CONSTRUCTION DOCUMENTS IS PRELIMINARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RESULTS TO CAUSE A SERVICE IS STRICTLY PROHIBITED.

NOTICE



Radio frequency fields beyond this point may exceed the FCC general public exposure limit. Obey all posted signs and site guidelines for working in radio frequency environments.

In accordance with Federal Communications Commission rules on radio frequency emissions, 47 CFR 1.1307 (b):

AVISO



Los campos de frecuencias de radio a partir de este punto pueden exceder el límite del cual el FCC permite que esté expuesto el público en general. Obedezca todas las señales indicadas y los guías de este sitio para trabajar en los ambientes de frecuencia de radio. En cumplimiento de las reglas de la Comisión Federal de Comunicaciones (FCC) sobre las emisiones de radio, 47 CFR 1.1307 (b):

AVISO



Los campos de frecuencias de radio a partir de este punto pueden exceder el límite del cual el FCC permite que esté expuesto el público en general. Obedezca todas las señales indicadas y los guías de este sitio para trabajar en los ambientes de frecuencia de radio. En cumplimiento de las reglas de la Comisión Federal de Comunicaciones (FCC) sobre las emisiones de radio, 47 CFR 1.1307 (b):

CAUTION



Beyond this point: Radio frequency fields at this site may exceed FCC rules for human exposure.

For your safety, obey all posted signs and site guidelines for working in radio frequency environments.

In accordance with Federal Communications Commission rules on radio frequency emissions, 47 CFR 1.1307 (b):

ATENCION



A partir de este lugar: Los campos de frecuencias de radio en este sitio pueden exceder el límite del cual las reglas del FCC permiten que estén expuestas las personas.

Por su seguridad, obedezca todas las señales indicadas y los guías de este sitio para trabajar en los ambientes de frecuencia de radio. En cumplimiento de las reglas de la Comisión Federal de Comunicaciones (FCC) sobre las emisiones de radio, 47 CFR 1.1307 (b):

ATENCION



A partir de este lugar: Los campos de frecuencias de radio en este sitio pueden exceder el límite del cual las reglas del FCC permiten que estén expuestas las personas.

Por su seguridad, obedezca todas las señales indicadas y los guías de este sitio para trabajar en los ambientes de frecuencia de radio. En cumplimiento de las reglas de la Comisión Federal de Comunicaciones (FCC) sobre las emisiones de radio, 47 CFR 1.1307 (b):

WARNING



Beyond this point: Radio frequency fields at this site may exceed FCC rules for human exposure.

Failure to obey all posted signs and site guidelines for working in radio frequency environments could result in serious injury.

In accordance with Federal Communications Commission rules on radio frequency emissions, 47 CFR 1.1307 (b):

ADVERTENCIA



A partir de este lugar: Los campos de frecuencias de radio en este sitio pueden exceder el límite del cual las reglas del FCC permiten que estén expuestas las personas.

El no obedecer todas las señales indicadas y los guías de este sitio para trabajar en los ambientes de frecuencia de radio, puede resultar en graves lesiones.

En cumplimiento de las reglas de la Comisión Federal de Comunicaciones (FCC) sobre las emisiones de radio, 47 CFR 1.1307 (b):

ADVERTENCIA



A partir de este lugar: Los campos de frecuencias de radio en este sitio pueden exceder el límite del cual las reglas del FCC permiten que estén expuestas las personas.

El no obedecer todas las señales indicadas y los guías de este sitio para trabajar en los ambientes de frecuencia de radio, puede resultar en graves lesiones.

En cumplimiento de las reglas de la Comisión Federal de Comunicaciones (FCC) sobre las emisiones de radio, 47 CFR 1.1307 (b):

ALERTING SIGNS

NOTICE



GUIDELINES FOR WORKING IN RADIOFREQUENCY ENVIRONMENTS

All personnel should have electromagnetic energy (EME) awareness training.

All personnel entering this site must be authorized.

Obey all posted signs.

Assume all antennas are active.

Before working on antennas, notify owners and disable appropriate transmitter.

Maintain minimum 3 feet clearance from all antennas.

Do not step in front of antennas.

Use personal RF monitors while working near antennas.

Never operate transmitters without shields during normal operation.

Do not operate base station antennas in equipment room.

DANGER



HAZARDOUS MATERIAL STORAGE AREA

WARNING



THIS FACILITY CONTAINS CORROSIVE LIQUID TOXIC LIQUID CLASS 1 WATER REACTIVE LIQUID

IN CASE OF EMERGENCY CALL

1-888-662-4662

SITE NUMBER: SD06840A

SITE NAME: MIRAMAR RANCH NORTH

02

3

2

W

INFORMATION SIGN

DETAIL REFERENCE



ELEVATION REFERENCE



SECTION REFERENCE



PROPOSED ALPHA SECTOR @ 30°



EXISTING ALPHA SECTOR @ 30°



AZIMUTH ARROW



ELEVATION BUBBLE



MECHANICAL GRND. CONN.



CADWELD



GROUND BUS BAR



EXISTING T-MOBILE PANEL ANTENNAS



PROPOSED T-MOBILE PANEL ANTENNAS



LEGEND

SCALE 4

N.T.S.

• CONSTRUCTION DRAWINGS: SD06840A_A AND E_CDs_SD06840_NSD(SD06840-REV00-CDs-FORSUBMITTAL-021815); BY: DI DONATO ASSOCIATES; 02/18/2015

• SCOPE OF WORK: RFDs_SD06840A_Capacity-L1900_1.1_2018-05-19(signed)

• SITE SURVEY: N/A

• SITE WALK: 06/17/2018

• BATTERY INFORMATION: -

REFERENCED DOCUMENTS

SCALE 3

N.T.S.

PORTION OF PARCEL 1 OF PARCEL MAP NO. 11571, IN THE CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY AUGUST 7, 1981 AS FILE NO. 81-251378 OF OFFICIAL RECORDS

LEGAL DESCRIPTION

SCALE 2

N.T.S.

LINE TYPES

PROPERTY LINE

CENTER LINE

FIBER CABLE

GROUNDING CABLE

CHAIN LINK FENCE

WOOD FENCE

ABBREVIATION

DEFINITION

A.B.

ANCHOR BOLT

ABV.

ABOVE

AC

AIR CONDITIONING

ACU

AIR CONDITIONING UNIT

ACCA

ANTENNA CABLE COVER ASSY.

ADDL.

ADDITIONAL

A.F.F.

ABOVE FINISHED FLOOR

A.F.G.

ABOVE FINISHED GRADE

A.G.L.

ABOVE GRADE LEVEL

ALUM.

ALUMINUM

ALT.

ALTERNATE

ANT.

ANTENNA

APPROX.

APPROXIMATELY

APX

APEX

ARCH.

ARCHITECT(URAL)

ASST.

ASSEMBLY

AWG.

AMERICAN WIRE GAUGE

BCN

BEACON

BD.

BOLLARD

BOK

BRASS DISK

BLDG.

BUILDING

BLK.

BLOCK

BLKG.

BLOCKING

BM

BEAM / BENCH MARK

B.N.

BOUNDARY NAILING

BTCH.

CH.

B.O.F.

BOTTOM OF FOOTING

BTM.

BOTTOM

BRC.

BRACE

BTS

BASE TRANSCIVER STATION

B.W.F.

BARBED WIRE FENCE

BU

BACK-UP CABINET

CAB.

CABINET

CANT.

CANTILEVER(ED)

C.I.P.

CAST IN PLACE

C.L.F.

CHAIN LINK FENCE

C.L.G.

CEILING

C.L.R.

CLEAR

COL.

COLUMN

CONC.

CONCRETE

CONN.

CONNECTION(OR)

CONST.

CONSTRUCTION

CONT.

CONTINUOUS

CPD.

CONCRETE PAD

C.T.

CABLE TRAY

d

PENNY (NAILS)

DBL.

DOUBLE

DEF.

DEFINITION

DEPT.

DEPARTMENT

D.F.

DOUGLAS FIR

DIA. (Ø)

DIAMETER

DIAG.

DIAGONAL

DIM.

DIMENSION

DR.

DOOR

DWG.

DRAWING(S)

DWL.

DOWEL(S)

EA.

EACH

EBX

ELECTRICAL BOX

EG

EQUIPMENT GROUND

EGR.

EQUIPMENT GROUND RING

EL.

ELEVATION

ELEC.

ELECTRICAL

ELEV.

ELEVATOR

EM.

ELECTRICAL METER

E.M.T.

ELECTRICAL METALLIC TUBING

E.O.P.

EDGE OF PAVEMENT

EQ. (*)

EQUAL

EVL

ELECTRICAL VAULT

ENG.

EXPANSION

EXST.

EXISTING

EXT.

EXTERIOR

FAB.

FABRICATION(OR)

F.N.

FINISH FLOOR

F.O.

FINISH GRADE

F.NL.

FINISH(ED)

F.L.R.

FLOOR

FON.

FOUNDATION

F.C.

FACE OF CONCRETE

F.M.

FACE OF MASONRY

F.S.

FACE OF STUD

F.W.

FACE OF WALL

F.S.

FINISHED SURFACE

FT. (')

FOOT(FEET)

FTG.

FOOTING

GA.

GAUGE

GL.

GALVANIZE(D)

G.F.I.

GROUND FAULT INTERRUPTER

GEN.

GENERATOR

GLB.

GLOBAL POSITIONING SYSTEM

GRC.

GROWTH RADIO CABINET

GRND.

GROUND

HDR.

HEADER

HGR.

HEIGHT

ICGB.

ISOLATED COPPER GROUND BUS

IGR.

INTERIOR GROUND RING

IN. (")

INCHES

INT.

INTERIOR

LB. (#)

POUND(S)

LB.

LAG BOLTS

L.F.

LINEAR FEET (FOOT)

L.

LONGITUDINAL

MGB.

MASTER GROUND BUS

MAS.

MASONRY

MAX.

MAXIMUM

M.B.

MACHINE BOLT

MECH.

MECHANICAL

MFR.

MANUFACTURER

MNL.

MINIMUM

MISC.

MISCELLANEOUS

MTL.

METAL

MW.

MICROWAVE

(N)

NEW

NO. (#)

NUMBER

N.T.S.

NOT TO SCALE

O.C.

ON CENTER

OH.

OVERHEAD

ONP.

OVERHEAD POWER LINE

OPNG.

OPENING

PIC.

PRECAST CONCRETE

PLY.

PLYWOOD

PPC.

POWER PROTECTION CABINET

P.S.F.

POUNDS PER SQUARE FOOT

P.S.I.

POUNDS PER SQUARE INCH

P.T.

PRESSURE TREATED

PWR.

POWER (CABINET)

QTY.

QUANTITY

R.

RADIUS

RAD. CTR.

RADIATION CENTER

RBS.

RADIO BASE STATION

REF.

REFERENCE

REIN.

REINFORCEMENT(ING)

REQD.

REQUIRED

RF.

RADIO FREQUENCY

RGS.

RIGID GALVANIZED STEEL

RRU.

REMOTE RADIO UNIT

RRH.

REMOTE RADIO HEAD

SCH.

SCHEDULE

SHT.

SHEET

SM.

SIMILAR

SPEC.

SPECIFICATION(S)

SP.

STEEL PLATE

SQ.

SQUARE

S.S.

STAINLESS STEEL

STD.

STANDARD

STL.

STEEL

STRUC.

STRUCTURAL

T.B.D.

TO BE DETERMINED

T.B.R.

TO BE RESOLVED

TEMP.

TEMPORARY

THK.

THICK(NESS)

TMA.

TOWER MOUNTED AMPLIFIER

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

TWR.

TOWER

TYP.

TYPICAL

U.G.

UNDER GROUND

U.L.

UTILITY POLE

U.N.O.

UNLESS NOTED OTHERWISE

V.I.N.

VERIFY IN FIELD

W.

WIDE(WIDTH)

WD.

WOOD

W.P.

WEATHERPROOF

WT.

WEIGHT

ABBREVIATIONS

SCALE 1

N.T.S.

T-Mobile

100% 4G LTE AVAILABLE IN MANY AREAS

100% 4G LTE AVAILABLE IN MANY AREAS

100% 4G LTE AVAILABLE IN MANY AREAS

SAC

WIRELESS

SAC & DESIGN GROUP, INC.

3015 SHERRILL PLACE, SUITE 100

SAN DIEGO, CA 92122

WWW.SACGROUP.COM

REVISIONS			
REV.	DATE	DESCRIPTION	BY
0	05/16/18	90% CD's	JL

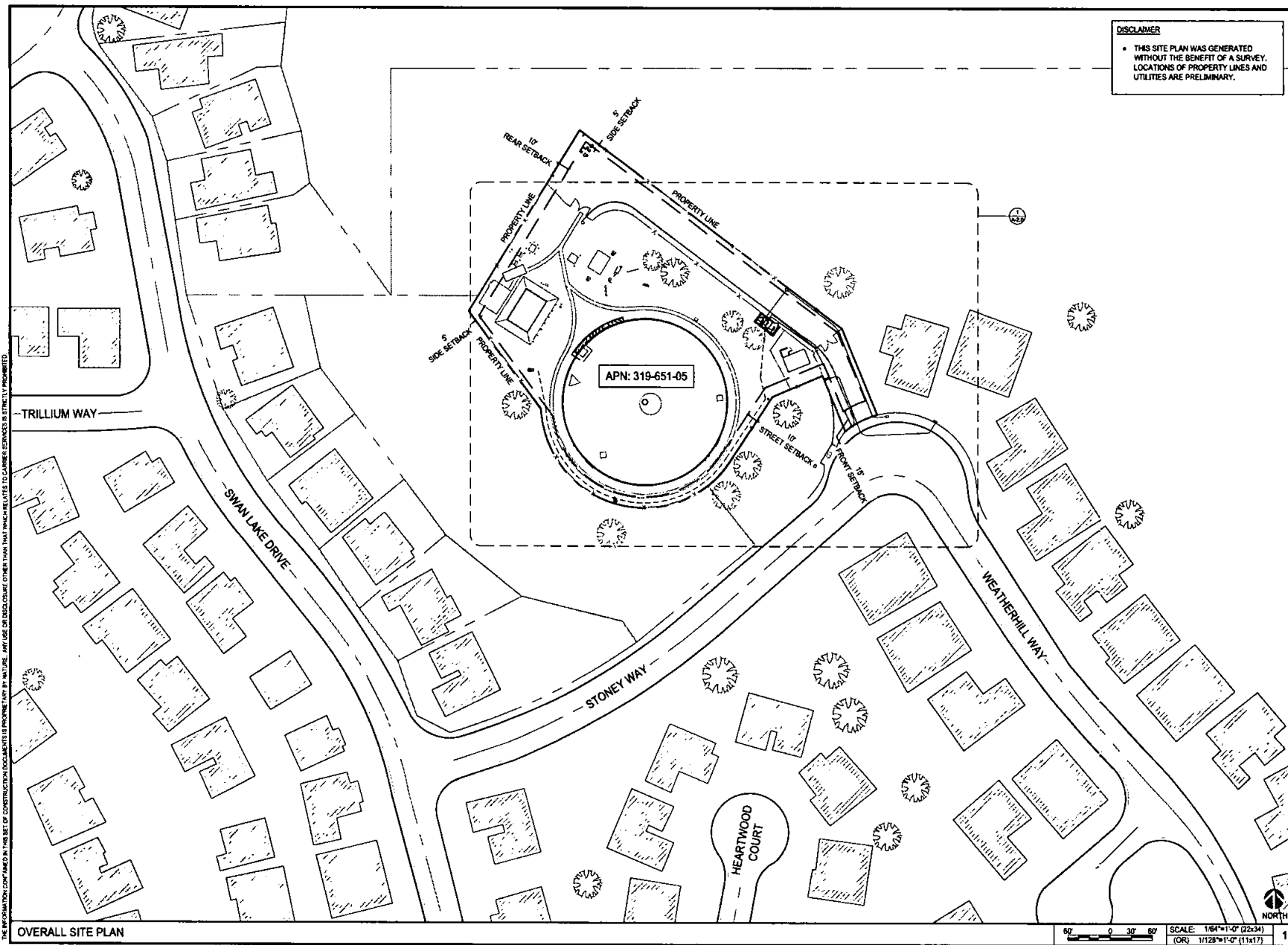
I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM A duly REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

L1900
MIRAMAR RANCH NORTH
SD06840A
11494 WEATHERHILL WAY
SAN DIEGO, CA 92131

SHEET TITLE
ABBREVIATIONS, LEGAL DESCRIPTION, REFERENCED DOCUMENTS, LEGEND & SIGNAGE

SHEET NUMBER

T-3.0



T-Mobile

105% 4G LTE SERVICE AVAILABLE
SAN DIEGO, CA 92121
T.MOBILE.COM

SAC
WIRELESS

SAC AE DESIGN GROUP, INC.
3015 SHOREHAM PLACE, SUITE 100
SAN DIEGO, CA 92122
WWW.SACAE.COM

REVISIONS				
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DATE: _____

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L1000
MIRAMAR RANCH NORTH
SD06540A
11494 WEATHERHILL WAY
SAN DIEGO, CA 92131

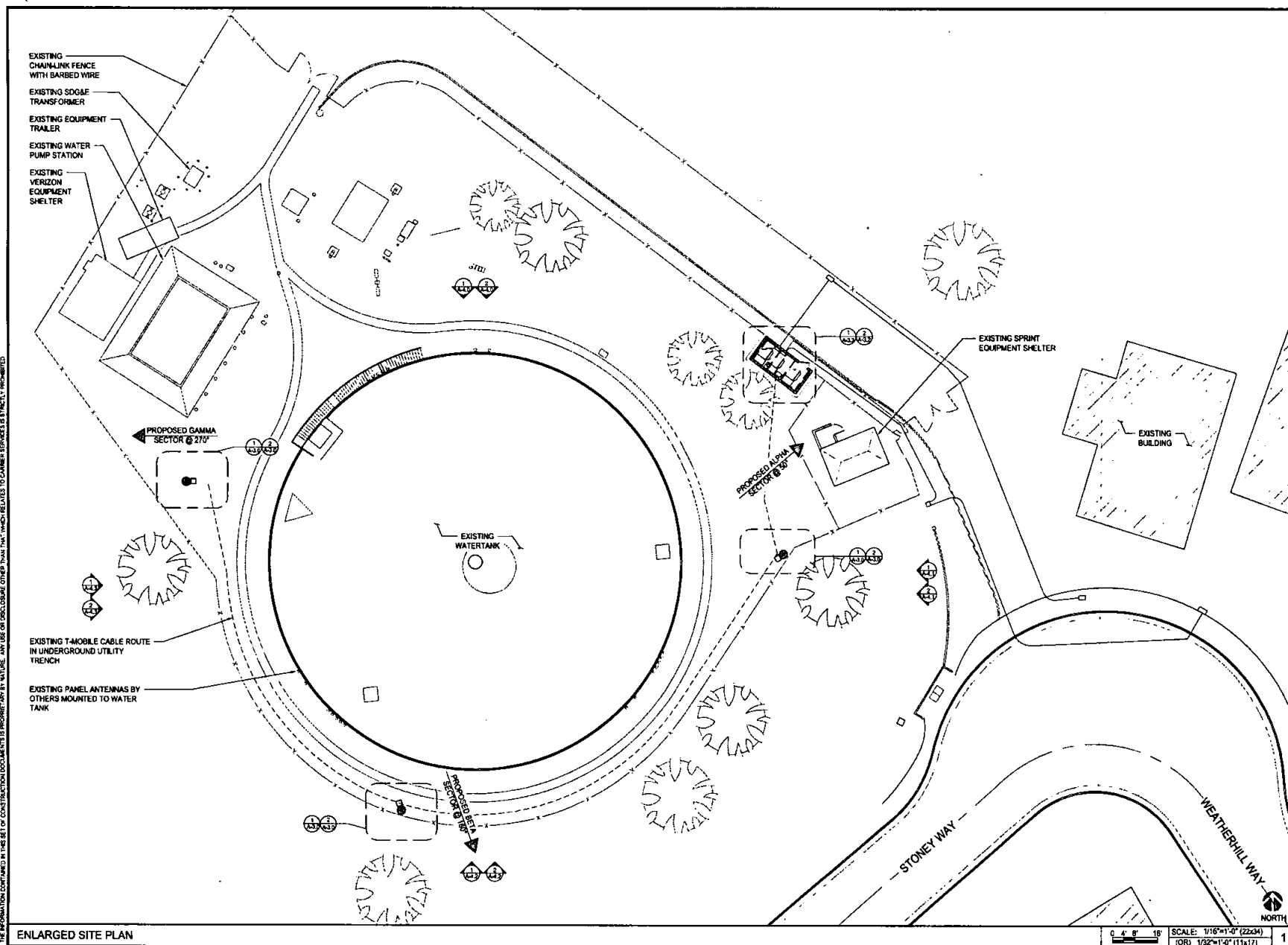
SHEET TITLE

OVERALL SITE PLAN

SHEET NUMBER

A-1.0

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ENLARGED SITE PLAN

T-Mobile

15554 VISTA SCARLETT DRIVE #200
SAN DIEGO, CA 92121
T-MOBILE.COM

SAG

WIRELESS
SAG DESIGN GROUP, INC.
2015 SOUTHWEST PLAZA, SUITE 150
SAN DIEGO, CA 92122
WWW.SAGWIRELESS.COM

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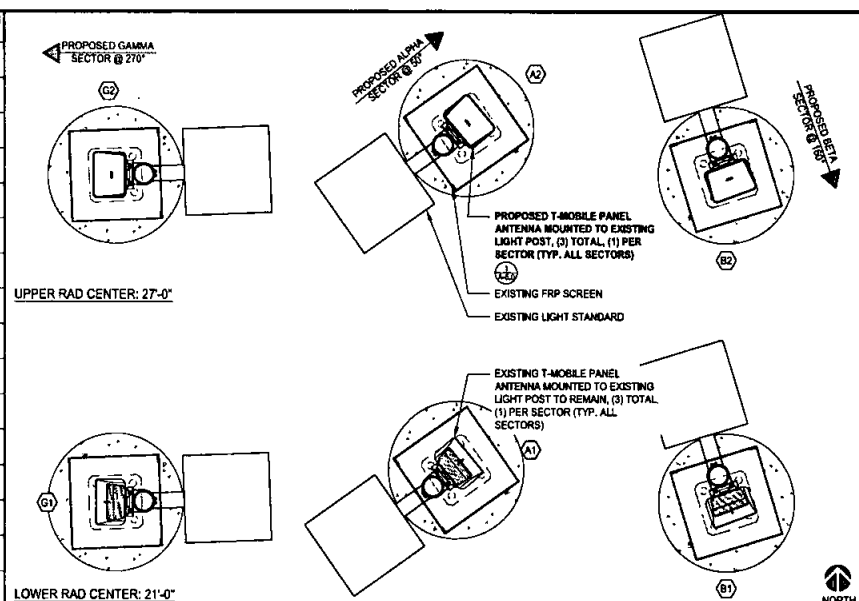
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SD06840A
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SAN DIEGO, CA 92131

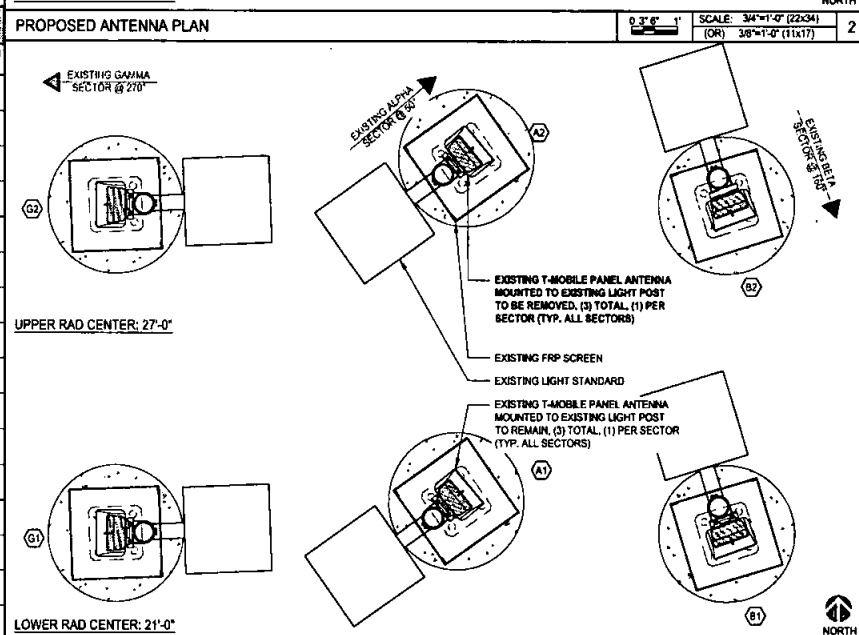
SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER
A-2.0

SECTOR	AZIMUTH	RAD CENTER	TOP OF ANTENNA	GENERAL ANTENNA SIZE	POSITION	EXISTING OR PROPOSED	ANTENNA MODEL	T/M/RADIO	CABLE	CABLE LENGTH AS PER RFDS
ALPHA	50°	21'-0"	23'-0"	4'-0"	1	EXISTING TO REMAIN	AIR 21 KRC118023-1_B2A_B4P	N/A	(1) 3X8 HCS (2) FIBER JUMPERS	30M 15'-0"
		27'-0"	29'-0"	4'-0"	2	PROPOSED	AIR 32 KRD901146-1_B8MA_B2A	N/A	(2) DC 6AWG (2) LOOSE FIBER	40-80M
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BETA	160°	21'-0"	23'-0"	4'-0"	1	EXISTING TO REMAIN	AIR 21 KRC118023-1_B2A_B4P	N/A	(1) 3X8 HCS (2) FIBER JUMPERS	60M 15'-0"
		27'-0"	29'-0"	4'-0"	2	PROPOSED	AIR 32 KRD901146-1_B8MA_B2A	N/A	(2) DC 6AWG (2) LOOSE FIBER	40-80M
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GAMMA	270°	21'-0"	23'-0"	4'-0"	1	EXISTING TO REMAIN	AIR 21 KRC118023-1_B2A_B4P	N/A	(1) 3X8 HCS (2) FIBER JUMPERS	130M 15'-0"
		27'-0"	29'-0"	4'-0"	2	PROPOSED	AIR 32 KRD901146-1_B8MA_B2A	N/A	(2) DC 6AWG (2) LOOSE FIBER	80M+
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DELTA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



CONTRACTOR TO REFERENCE FINAL RFDS PRIOR TO CONSTRUCTION										
SECTOR	AZIMUTH	RAD CENTER	TOP OF ANTENNA	GENERAL ANTENNA SIZE	POSITION	EXISTING OR PROPOSED	ANTENNA MODEL	T/M/RADIO	CABLE	CABLE LENGTH AS PER RFDS
ALPHA	50°	21'-0"	23'-0"	4'-0"	1	EXISTING TO REMAIN	AIR 21 KRC118023-1_B2A_B4P	N/A	(1) 3X8 HCS (2) FIBER JUMPERS	30M 15'-0"
		27'-0"	29'-0"	4'-0"	2	EXISTING TO BE REMOVED	AIR 21 KRC118023-1_B2P_B4A	N/A	(2) FIBER JUMPERS	15'-0"
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BETA	160°	21'-0"	23'-0"	4'-0"	1	EXISTING TO REMAIN	AIR 21 KRC118023-1_B2A_B4P	N/A	(1) 3X8 HCS (2) FIBER JUMPERS	60M 15'-0"
		27'-0"	29'-0"	4'-0"	2	EXISTING TO BE REMOVED	AIR 21 KRC118023-1_B2P_B4A	N/A	(2) FIBER JUMPERS	15'-0"
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GAMMA	270°	21'-0"	23'-0"	4'-0"	1	EXISTING TO REMAIN	AIR 21 KRC118023-1_B2A_B4P	N/A	(1) 3X8 HCS (2) FIBER JUMPERS	130M 15'-0"
		27'-0"	29'-0"	4'-0"	2	EXISTING TO BE REMOVED	AIR 21 KRC118023-1_B2P_B4A	N/A	(2) FIBER JUMPERS	15'-0"
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DELTA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



PROPOSED & EXISTING ANTENNA SCHEDULES

EXISTING ANTENNA PLAN



REVISIONS				
NO.	DATE	DESCRIPTION	BY	APPROVED
0	08/18/18	90% CD's	JL	

DATE

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L1900
MIRAMAR RANCH NORTH
SD06840A
11494 WEATHERHILL WAY
SAN DIEGO, CA 92131

SHEET TITLE
EXISTING & PROPOSED
ANTENNA PLANS &
SCHEDULES

SHEET NUMBER
A-3.0

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY AND NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF T-MOBILE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH IS RELATED TO CARRIER SERVICES IS STRICTLY PROHIBITED.

NOT USED

SCALE
N.T.S.

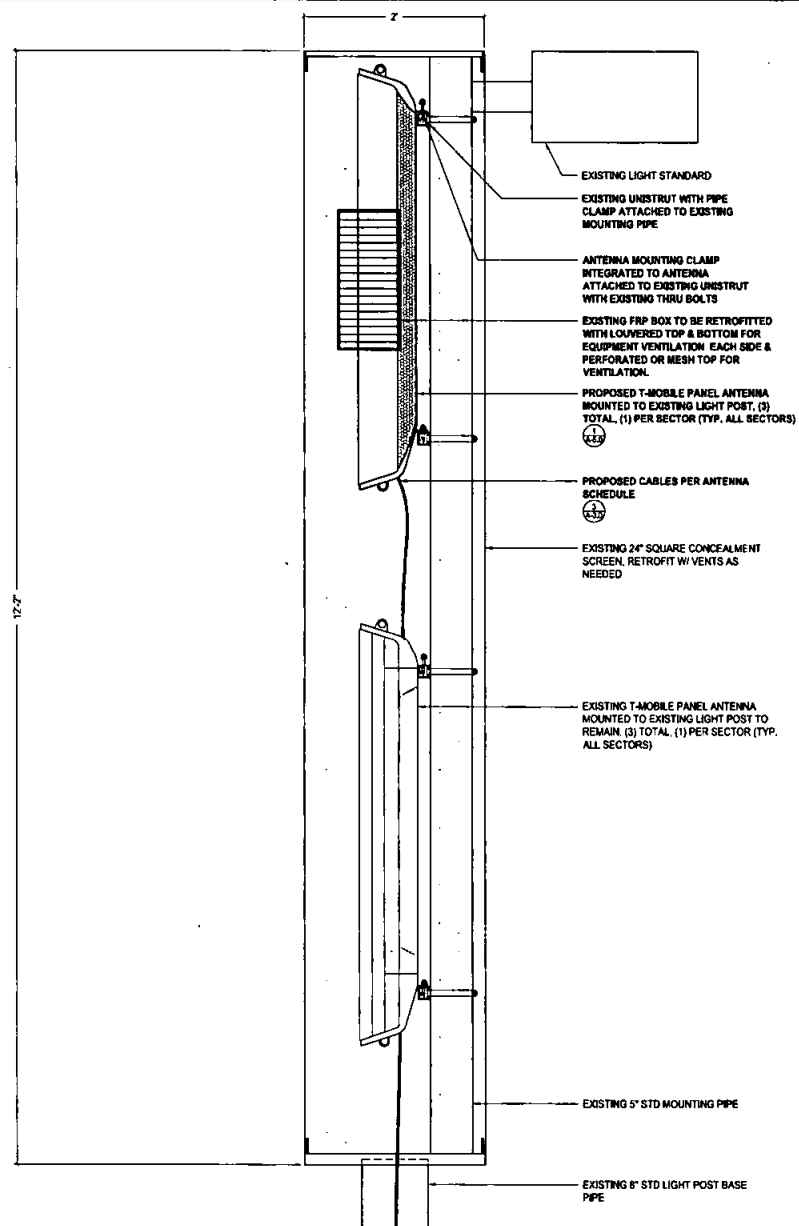
2

ANTENNA MOUNTING DETAIL

0 2' 4' 8'

SCALE: 1-1/2"=1'-0" (22x34)
(OR) 3/4"=1'-0" (11x17)

1



T-Mobile

15556 MITLA SCORPIO DRIVE, SUITE 400
SAN DIEGO, CA 92121
1-800-935-4638

SAC

WIRELESS
SAC AE DESIGN GROUP, INC.
2013 BROADWAY PLACE, SUITE 100
SAN DIEGO, CA 92122
www.sacae.com

REVISIONS

REV.	DATE	DESCRIPTION	BY
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SUPERVISION AND THAT I AM DULY REGISTERED
ARCHITECT UNDER THE LAWS OF THE STATE OF
CALIFORNIA

L1900
MIRAMAR RANCH NORTH
SD06840A
11494 WEATHERHILL WAY
SAN DIEGO, CA 92131

SHEET TITLE

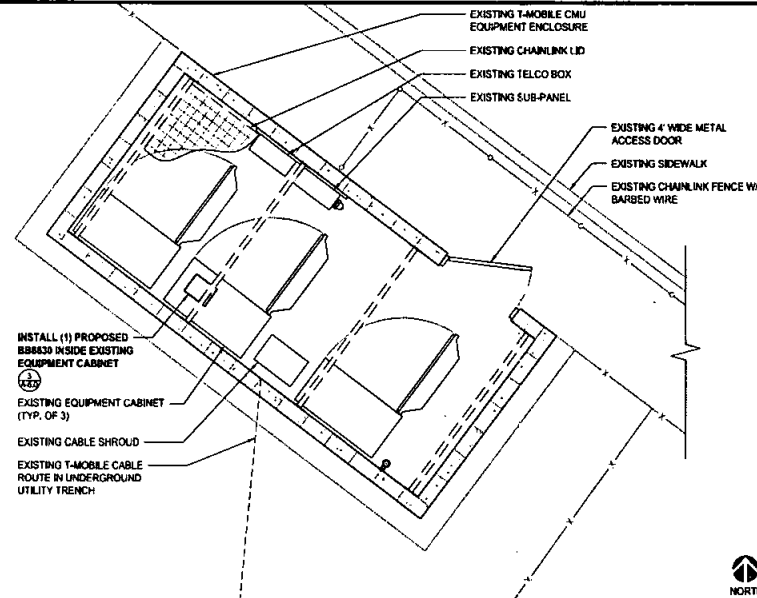
ANTENNA MOUNTING
DETAIL

SHEET NUMBER

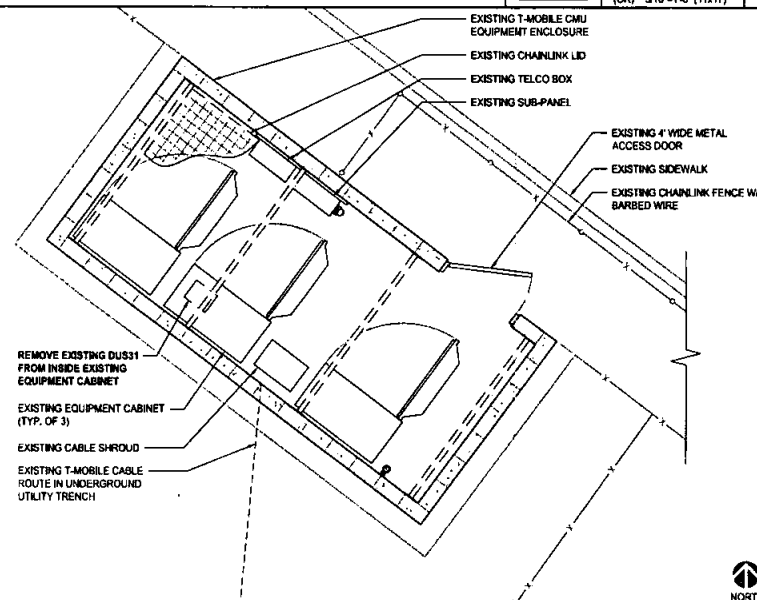
A-3.1

NOTE: NO NEW BATTERIES TO BE ADDED

EXISTING BATTERY SPECIFICATIONS	
CABINET TYPE	RBS 2106
BATTERY MANUFACTURER	NORTHSTAR
MODEL NUMBER:	NSB100FT
ELECTROLYTE CONTENT PER BATTERY (IN GALLONS)	2.06
ELECTROLYTE HAZARD CLASSIFICATION PER '13 C.F.C. (8.7% SULFURIC ACID):	CORROSIVE
NUMBER OF BATTERIES INSTALLED	4
MAXIMUM NUMBER OF BATTERIES PER CABINET	4
TOTAL ELECTROLYTES CONTAINED IN CABINET #1	8.2
CABINET TYPE	RBS 2106
BATTERY MANUFACTURER	NORTHSTAR
MODEL NUMBER:	NSB 100FT
ELECTROLYTE CONTENT PER BATTERY (IN GALLONS)	2.06
ELECTROLYTE HAZARD CLASSIFICATION PER '13 C.F.C. (8.7% SULFURIC ACID):	CORROSIVE
NUMBER OF BATTERIES INSTALLED	4
MAXIMUM NUMBER OF BATTERIES PER CABINET	4
TOTAL ELECTROLYTES CONTAINED IN CABINET #2	8.2
CABINET TYPE	RBS 2106
BATTERY MANUFACTURER	NORTHSTAR
MODEL NUMBER:	NSB 100FT
ELECTROLYTE CONTENT PER BATTERY (IN GALLONS)	2.06
ELECTROLYTE HAZARD CLASSIFICATION PER '13 C.F.C. (8.7% SULFURIC ACID):	CORROSIVE
NUMBER OF BATTERIES INSTALLED	4
MAXIMUM NUMBER OF BATTERIES PER CABINET	4
TOTAL ELECTROLYTES CONTAINED IN CABINET #3	8.2
TOTAL ELECTROLYTES CONTAINED ON SITE	24.72



PROPOSED EQUIPMENT PLAN



EXISTING EQUIPMENT PLAN

T-Mobile
10566 MITA BORRERO PARKWAY
SAN DIEGO, CA 92121
T-MOBILE.COM

SAC
WIRELESS
SAC & DESIGN GROUP, INC.
9015 BISHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
WWW.SACW.COM

REVISIONS			
NO.	DATE	DESCRIPTION	BY
0	08/16/16	90% CD's	JL

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11494 WEATHERHILL WAY
SAN DIEGO, CA 92131

SHEET TITLE
EXISTING & PROPOSED
EQUIPMENT PLANS, &
EXISTING BATTERY
CALCULATIONS

SHEET NUMBER

A-3.2

EXISTING BATTERY CALCULATIONS

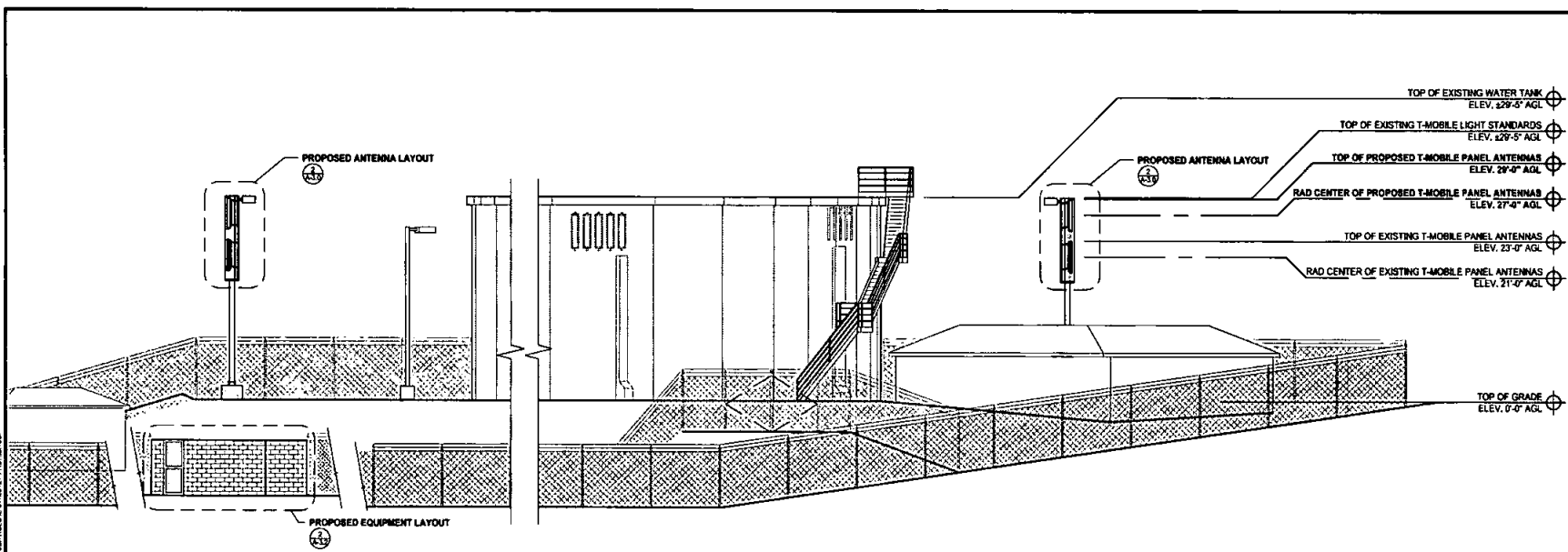
SCALE
N.T.S.

3

SCALE
N.T.S.

1

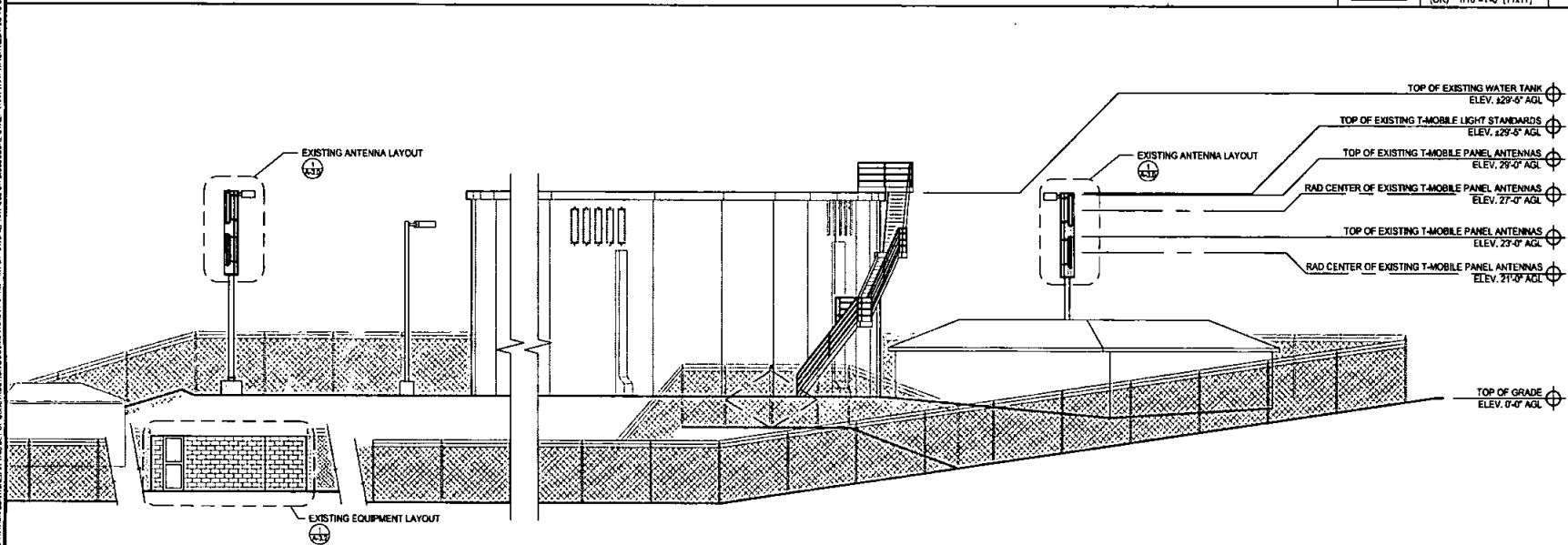
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PROPOSED NORTH ELEVATION

0 2 4 8 SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

2



EXISTING NORTH ELEVATION

0 2 4 8 SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

1

T-Mobile

17776 REIA BORRITO RD #100
SAN DIEGO, CA 92121
T-MOBILE.COM

SAC

WIRELESS
SAC & E DESIGN GROUP, INC.
9015 BORTHAM PLACE, SUITE 100
SAN DIEGO, CA 92123
WWW.SAC-DE.COM

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REV	DATE	DESCRIPTION	BY
0	08/16/18	90% CD's	JL

DATE

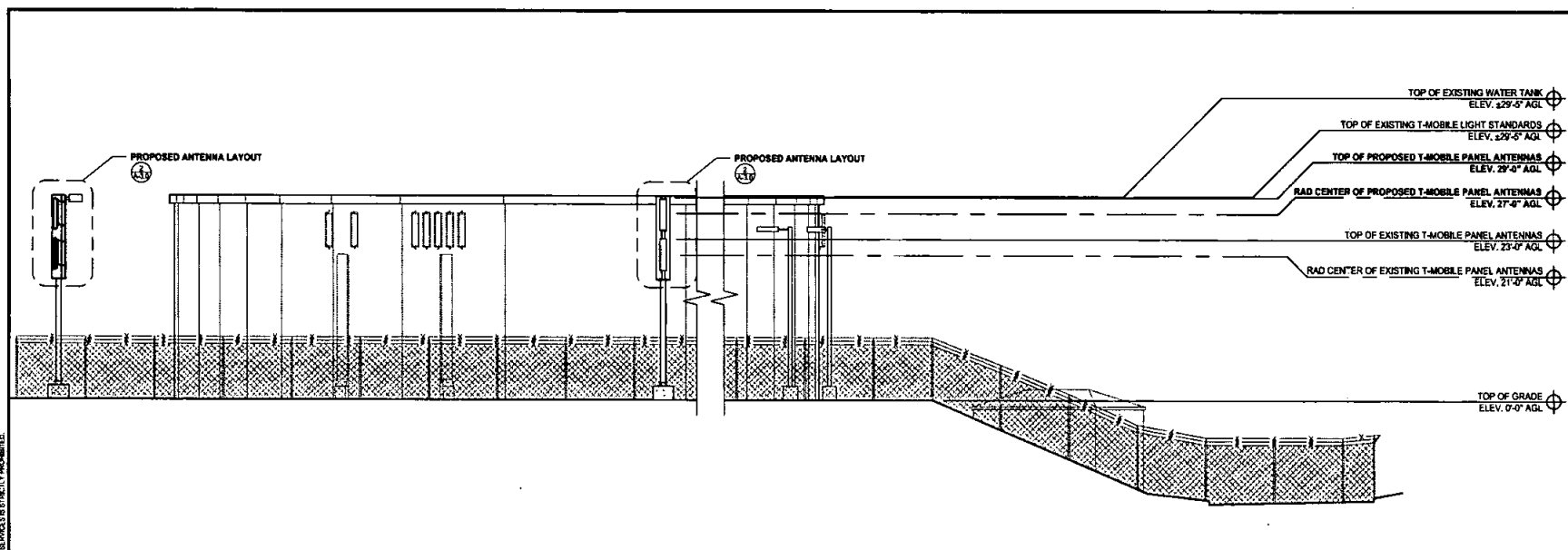
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SAN DIEGO, CA 92131

SHEET TITLE
**EXISTING & PROPOSED
NORTH ELEVATIONS**

SHEET NUMBER
A-4.0

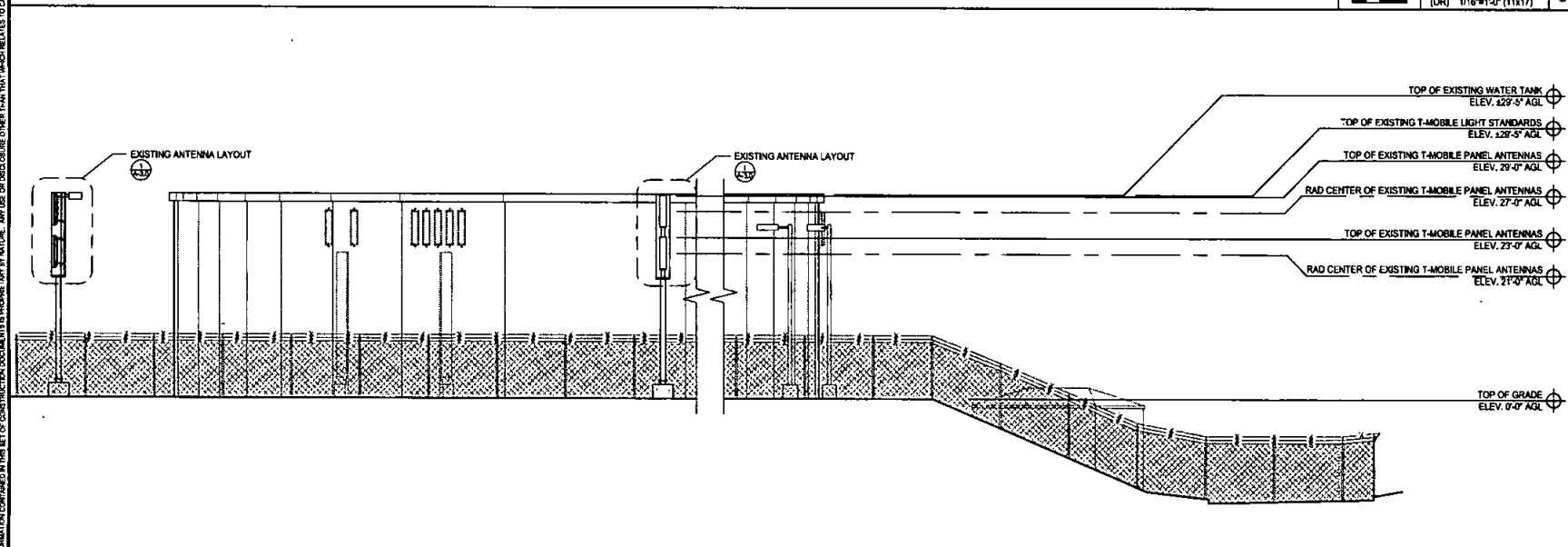
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PROPOSED EAST ELEVATION

0 2 4 8 SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

2



EXISTING EAST ELEVATION

0 2 4 8 SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

1

T-Mobile

105% JSTN 00000000000000000000
SAN DIEGO, CA 92121
T-MOBILE.COM

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SAC & DESIGN GROUP, INC.
3015 SHOREVIEW PLACE, SUITE 100
SAN DIEGO, CA 92122
WWW.SAC-DESIGN.COM

REVISIONS				
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0	08/15/15	90% CD's	JL	

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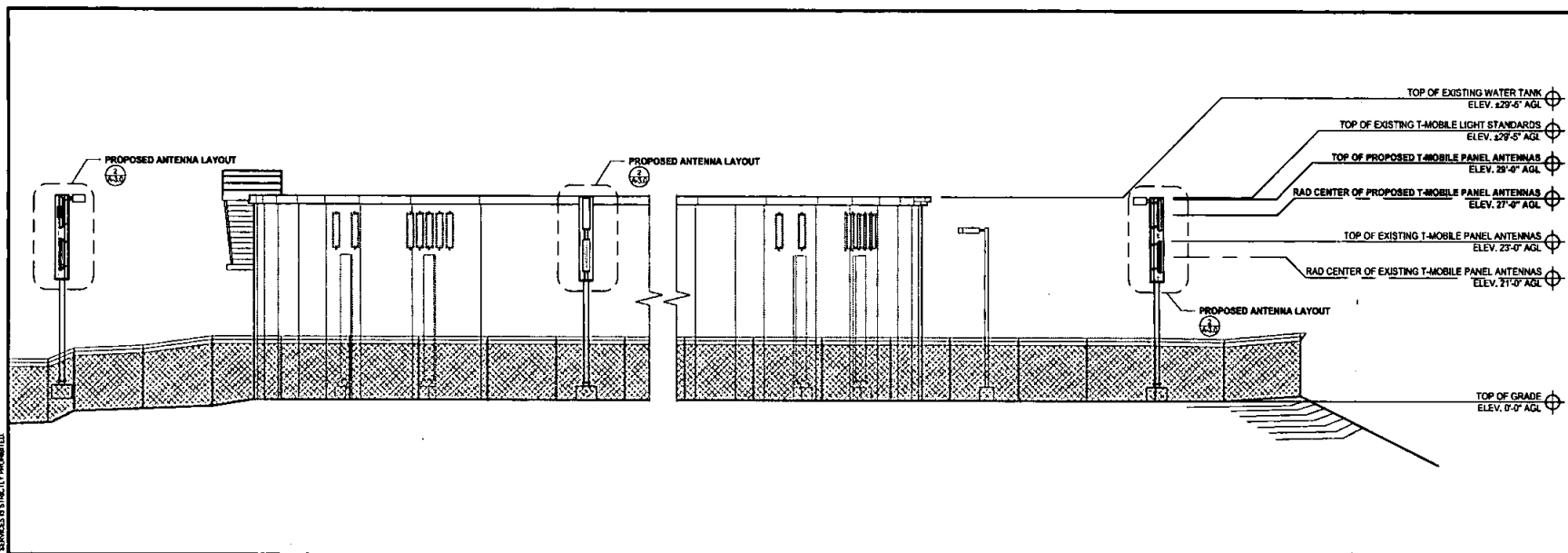
L1900
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SD08840A
11494 WEATHERHILL WAY
SAN DIEGO, CA 92131

SHEET TITLE
**EXISTING & PROPOSED
EAST ELEVATIONS**

SHEET NUMBER

A-4.1

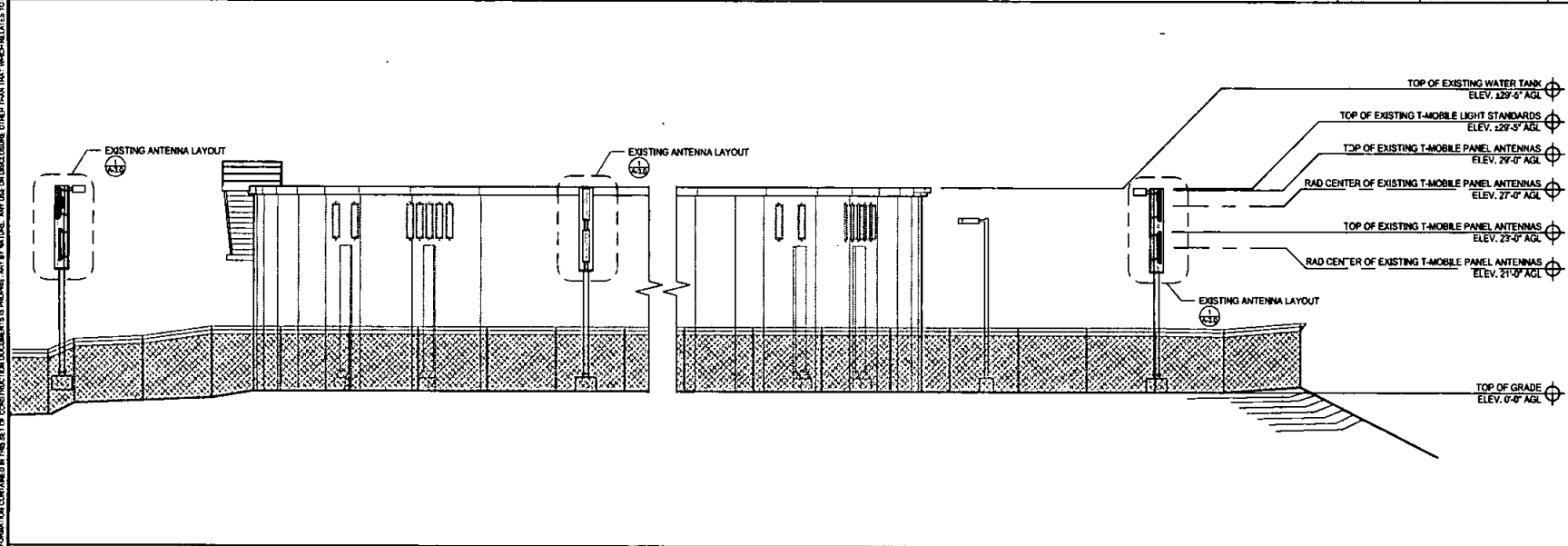
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PROPOSED SOUTH ELEVATION

SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

2



EXISTING SOUTH ELEVATION

SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

1

T-Mobile
10999 VISTA BORRERO PARK #200
SAN DIEGO, CA 92121
T-MOBILE.COM

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WIRELESS
SAC AE DESIGN GROUP, INC.
9013 SHOREHAM PLACE, SUITE 100
SAN DIEGO, CA 92121
WWW.SACAE.COM

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NO.	DATE	DESCRIPTION	BY
0	05/16/15	90% CD's	JL

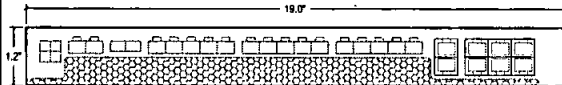
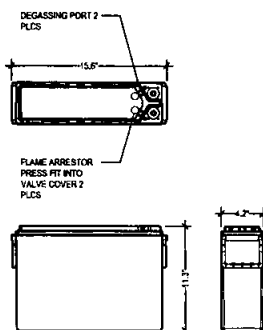
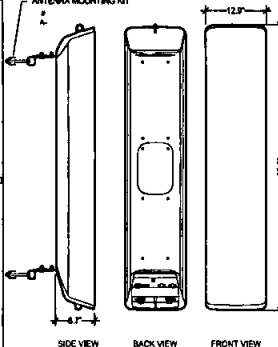
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SHEET TITLE
**EXISTING & PROPOSED
SOUTH ELEVATIONS**

SHEET NUMBER
A-4.2

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				MANUFACTURER: ERICSSON MODEL: BB 6630 DIMENSIONS: 18.0"x1.2"x12.0" WEIGHT: TBD • LTE, WCDMA & GSM CAPACITY AND MIXED MODE CAPABILITY • 15 SPURS/SPW FOR CPRI INTER-CONNECT TO RADIO UNITS REDUCING THE NEED FOR BASEBAND RSD • 2 OPTICAL 1.1GSPS SFP/SFP+ PORTS • 2 ELECTRICAL 10GSPS SFP+ PORTS • DUAL 48V POWER FEEDING • SELF-CONTAINED ENVIRONMENTAL CONTROL • FIELD REPLACEABLE FAN UNIT 			
NOT USED	9	NOT USED	6	BB 6630	N.T.S.	#	
NOT USED	8	NOT USED	5	NOT USED		2	
		MANUFACTURER: NORTHSTAR MODEL: NSB 100FT BLUE 10 HOUR CAPACITY TO 1.80VPC @ 25°C (77°) 8 HOUR CAPACITY TO 1.75VPC @ 25°C (77°) 10 HOUR CAPACITY TO 1.60VPC @ 20°C (68°) 12V - NOMINAL VOLTAGE: 12V - IMPEDANCE (TYP): 3.7 - CONDUCTANCE: 1.288 S - SHORT CIRCUIT CURRENT: 3.500 A - MAXIMUM CHARGE CURRENT: NO LIMIT 		MANUFACTURER: ERICSSON MODEL: AIR 32, DUAL BAND (B2A/B2B) BAND 2 (1850-1910/1920-1980) ACTIVE FREQUENCY BAND BAND 4 (1710-1755/2110-2155) SUBSET OF BAND 8A (AWS-1) BAND 8A (1710-1755/2110-2155) ACTIVE FREQUENCY BAND P1A OUTPUT POWER: 2 X (4 X 30W) DOWNLINK ERP: 4 X 62.5 dBm INST. BANDWIDTH: 82: 40 MHz (W.L.) 82: 20 MHz (O) 86A: 70MHz (W.L.) 86A: 35MHz (O) CAPACITY: 6 WCDMA PER ACTIVE FREQ. BAND 2 X 20MHz LTE PER BAND WCDMA & GSM ON BOTH PA1 (B2) WCDMA & LTE ON BOTH PA1 (B2 & B4) GSM & LTE (B2) MULTI-RAT CAPABILITY: 2 X 10 Gbps PER ACTIVE FREQ. BAND DC POWER: -48VDC 3-WIRE OR 2-WIRE AC POWER (OPTIONAL): PSU-AC 08 OPERATING TEMP. RANGE: -40 TO +55 °C SOLAR RADIATION: 5, 1,120 W/m² RELATIVE HUMIDITY: 5 TO 100% ABSOLUTE HUMIDITY: 0.28 TO 40g/m³ MAX. TEMP. CHANGE: 120°C/hr ELECTRICAL TILT: 2°-12° (B2A/L), 2°-12° (B2) BORE-SIGHT ANTENNA GAIN: 18dB (B2A/L), 17.5 dB (B2) NOMINAL BEAMWIDTH AZ: 65° (B2A/L), 65° (B2) NOMINAL BEAMWIDTH ELEV: 6° (B2A/L), 6° (B2) MECHANICAL WEIGHT: 132.2 LBS SIZE (HxWxD): 58.6"x12.0"x8.7" WIND LOAD: 143.27 LBF / 87.4427 LBF / 143.374 LBF 			
NOT USED	7	BATTERY	4	AIR32 KRD901146-1_BB66A/B2A ANTENNA		#	

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T-MOBILE.COM

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SAC AE DESIGN GROUP, INC.
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SAN DIEGO, CA 92122
www.sacae.com

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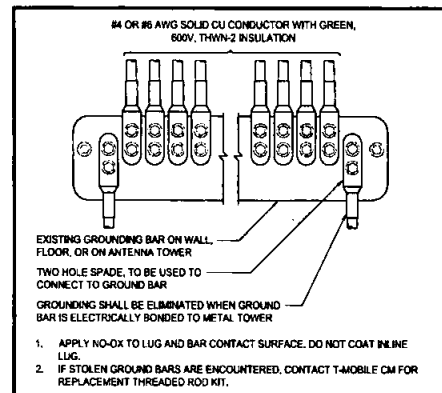
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SD06840A
11494 WEATHERHILL WAY
SAN DIEGO, CA 92131

SHEET TITLE
**EQUIPMENT DETAILS &
SPECIFICATIONS**

SHEET NUMBER

A-5.0



1. EXISTING ANTENNA GROUND BUS BAR NEAR ANTENNA MOUNTS WITH COAX GROUND KIT. SEE DETAIL 5/G-1.
2. EXISTING EQUIPMENT GROUND BUS BAR NEAR EQUIPMENT WITH COAX GROUND KIT. SEE DETAIL 7/G-1.
3. EXISTING #6 AWG GROUND FROM ANTENNA GROUND BUS BAR TO TIE INTO EXISTING GROUNDING SYSTEM (TYP OF (2) PLACES). SEE DETAIL 7/G-1.
4. PROPOSED #6 AWG GROUND FROM ANTENNAS TO ANTENNA GROUND BUS BAR. SEE DETAIL 5/G-1.
5. N/A: #6 AWG GROUND FROM RADIOS TO ANTENNA GROUND BUS BAR. SEE DETAIL 5/G-1.
6. N/A: #6 AWG GROUND BATTERY CABINET TO EQUIPMENT GROUND BUS BAR. SEE DETAIL 7/G-1.
7. EXISTING #6 AWG GROUND FROM EXISTING GROUND BUS BAR TO TIE INTO EXISTING GROUNDING SYSTEM (TYP OF (2) PLACES). SEE DETAIL 5/G-1.

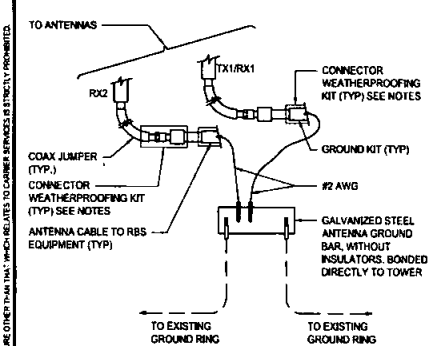
GROUNDING KEY

SCALE 4
N.T.S.

- ⊗ COPPER GROUND ROD
- ⊙ MECHANICAL CONNECTION
- ⊠ CADWELD CONNECTION
- ⚡ FIELD VERIFY & TIE INTO EXISTING GROUNDING SYSTEM
- ⊠ TEST WELL
- ===== GROUND BAR
- G — GROUNDING WIRE

WIRE INSTALLATION

SCALE 7
N.T.S.



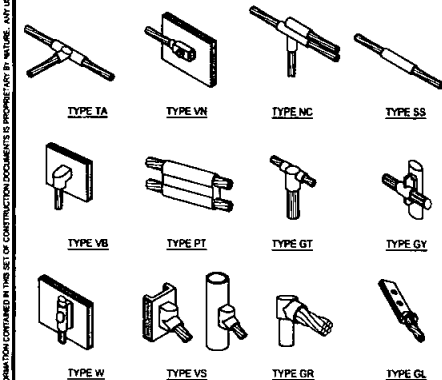
GROUNDING LEGEND

SCALE 3
N.T.S.

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
2. GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING GROUND WIRES AND CONNECT TO SURFACE MOUNTED BUS BARS. FOLLOW ANTENNA AND BTS MANUFACTURERS PRACTICES FOR GROUNDING REQUIREMENTS. GROUND COAX SHIELDS AT BOTH ENDS AND EXT FROM TOWER OR POLE USING MFR'S PRACTICES.
3. ALL GROUND WIRE SHALL BE GREEN INSULATED WIRE ABOVE GROUND.
4. CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE. GROUNDING AND OTHER OPERATIONAL TESTING WILL BE WITNESSED BY A T-MOBILE REPRESENTATIVE.
5. REFER TO DIVISION 16 GENERAL ELECTRIC; GENERAL ELECTRICAL PROVISION AND COMPLY WITH ALL REQUIREMENTS OF GROUNDING STANDARDS.
6. CONTRACTOR TO ABIDE BY ALL T-MOBILE SAFETY STANDARDS DURING SITE CONSTRUCTION.
7. CONTRACTOR SHALL REFER TO T-MOBILE STANDARDS FOR GROUNDING CONNECTIONS & INSTALLATION METHODS.
8. ELECTRICAL CONTRACTOR TO PROVIDE DETAILED DESIGN OF GROUNDING SYSTEM, AND RECEIVE APPROVAL OF DESIGN BY AUTHORIZED T-MOBILE REPRESENTATIVE. PRIOR TO INSTALLATION OF GROUNDING SYSTEM, PHOTO DOCUMENT ALL CADWELDS AND GROUND RING.
9. NOTIFY CONSTRUCTION MANAGER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
10. GROUNDING ROD NOTES (WHERE APPLICABLE)
11. ELECTRICAL CONTRACTOR SHALL ORDER GROUND RESISTANCE TESTING ONCE THE GROUND SYSTEM HAS BEEN INSTALLED; A QUALIFIED INDIVIDUAL UTILIZING THE FALL OF POTENTIAL METHOD, SHOULD PERFORM THE TEST. THE REPORT WILL SHOW THE LOCATION OF THE TEST AND CONTAIN NO LESS THAN 9 TEST POINTS ALONG THE TESTING LINE, GRAPHED OUT TO SHOW THE PLATEAU.
12. POINT GROUND TEST OR 3 POINT 62% TESTS WILL NOT BE ACCEPTED AS ALTERNATIVES TO THE AFORE MENTIONED GROUND TESTS. TEST SHALL BE PERFORMED WHILE THE COUNTERPOISE IS ISOLATED. TEST SHALL BE PERFORMED WHILE THE COUNTERPOISE IS ISOLATED FROM THE A/C SYSTEM GRIDS AND EXISTING COMMUNICATIONS FACILITY.

GROUND CABLE CONNECTION

SCALE 6
N.T.S.

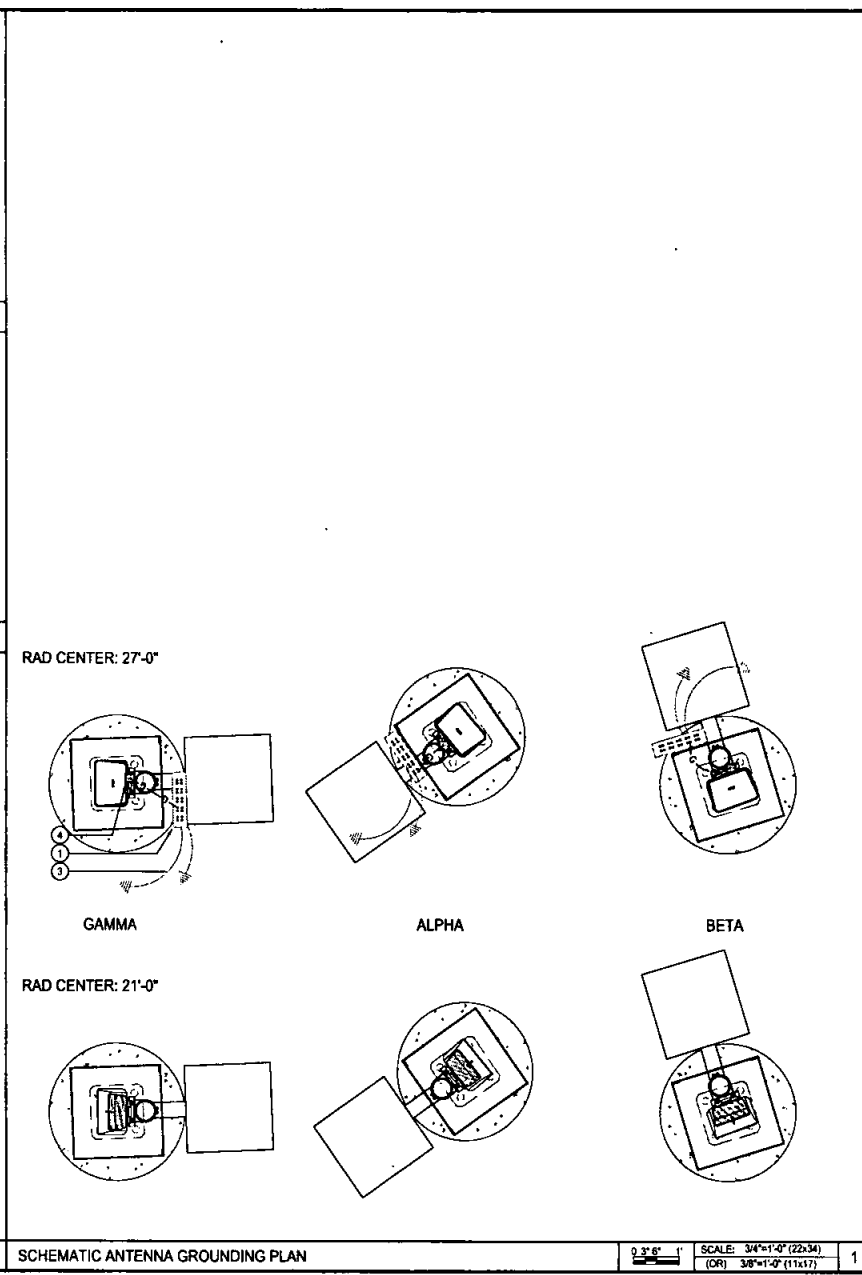


EXOTHERMIC WELD CONNECTIONS

SCALE 5
N.T.S.

GENERAL GROUNDING NOTES

SCALE 2
N.T.S.



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SAN DIEGO, CA 92122
WWW.SACAE.COM

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0	08/18/18	90% CD's	JL

DATE

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MPAMAR RANCH NORTH

SD06540A

11494 WEATHERHILL WAY

SAN DIEGO, CA 92131

SHEET TITLE

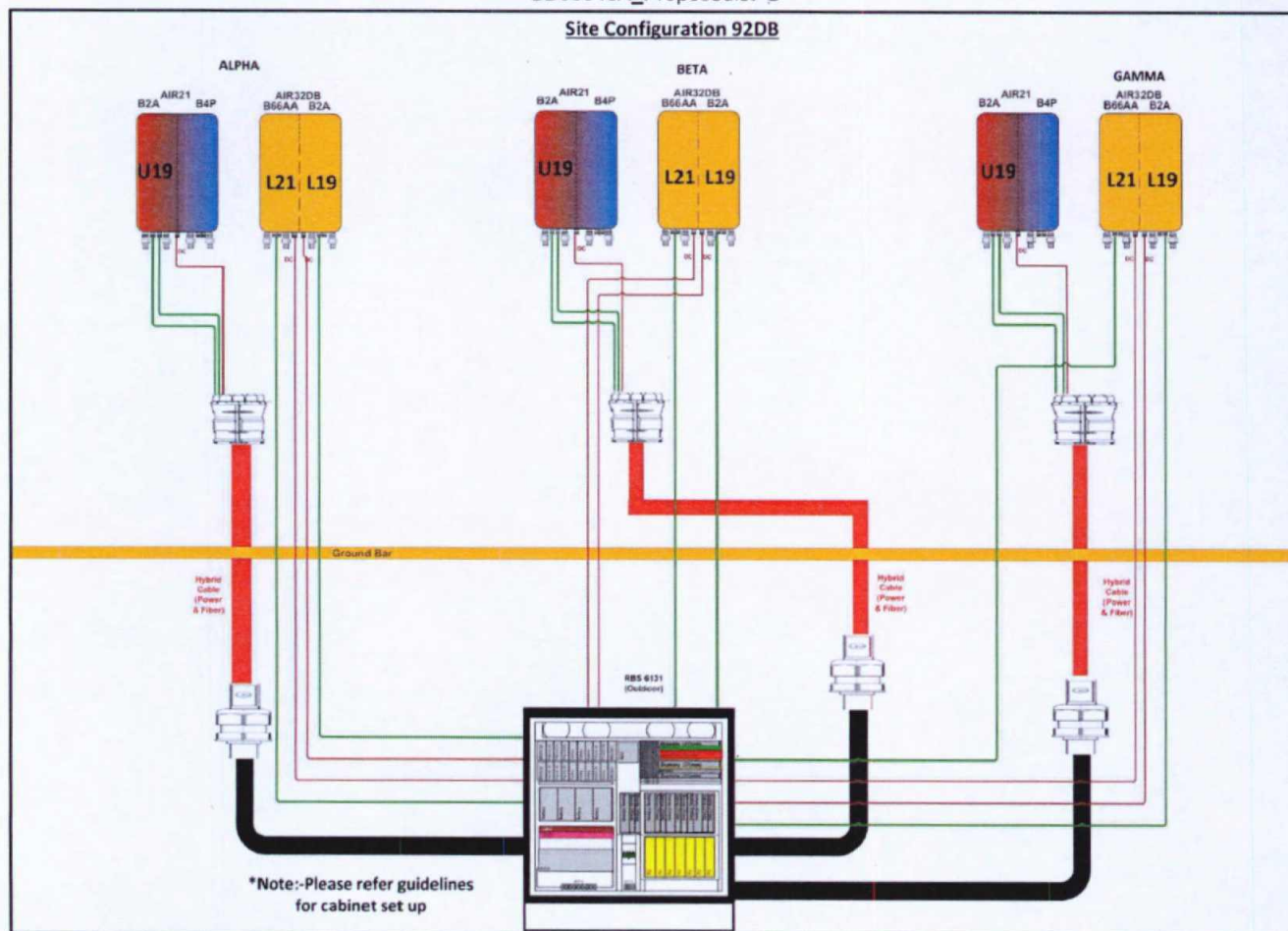
SCHEMATIC GROUNDING
PLANS, NOTES & DETAILS

SHEET NUMBER

G-1.0

SD06840A_Proposed.JPG

Site Configuration 92DB



Notes:

CONTRACTOR TO REFERENCE FINAL RFDS PRIOR TO CONSTRUCTION

EQUIPMENT CONFIGURATION

T-Mobile
11555 VISTA SCORPION DRIVE
SAN DIEGO, CA 92121
T.MOBILE.COM

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WIRELESS
SAC AE DESIGN GROUP, INC.
9015 SHORTHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
WWW.SACAE.COM

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RF DESIGN BY
T-MOBILE
FOR REFERENCE
USE ONLY

DATE

L1900
MIRAMAR RANCH NORTH
SD06840A
11404 WEATHERHILL WAY
SAN DIEGO, CA 92131

SHEET TITLE

EQUIPMENT
CONFIGURATION

SHEET NUMBER

RF-1.0

SCALE
N.T.S.

1