



Real Estate Assets

REQUEST FOR PRELIMINARY REVIEW

for installation/modification of Wireless Communication Facility on City-owned property

9/16/2020

Date

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

RE: Site Name: T-Mobile Presidio Park Project # TBD
Site Address: 2833 Whitman Street, San Diego (the "Property")
Agreement: Agreement dated 10/22/2012 (the "agreement") between The City of San Diego ("City") and _____, ("Lessee" or "Permittee" or "Licensee").

T-Mobile USA 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.
- ☐ Apply for New Permit/New Agreement on existing facility – with modifications or changes to existing equipment or site.

Describe proposed project below:

T-Mobile is proposing to: relocate (3) existing antennas, install (3) new antennas, (3) mounting pipes, (3) radios as well as install the necessary new support arm mounts. New cabling and related hardware to be replaced as well. Project valuation \$85k.

Denied 10/15/2020. Doesn't meet
current decm guidelines.
referred to DSD's site.

Pursuant to Improvements and Alterations, section of the above referenced agreement, *Lessee/ Permittee/Licensee 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 USE would like to request City's consent to submit to Development Services Department for review of the proposed items above.

Sincerely, Courtney Standridge, agent for T-Mobile

Applicant Signature: Courtney Standridge Digitally signed by Courtney Standridge
Date: 2020.09.16 10:40:38 -07'00'

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

City _____ 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.

Date _____ Print Name & Title _____ Signature _____

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

READ
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

T-Mobile

SITE NUMBER: SD02867C
SITE NAME: PRESIDIO PARK
ADDRESS: 2833 WHITMAN STREET
SAN DIEGO, CA 92110
JURISDICTION: CITY OF SAN DIEGO
PROJECT: L7 4X2

PLEASE CONTACT DISTRICT MANAGER BECKY YZAGUIRRE AT 619-525-8242 TO SCHEDULE A PRE-CONSTRUCTION MEETING. THE PRE-CONSTRUCTION MEETING SHOULD BE SCHEDULED A MINIMUM OF 72 HOURS PRIOR TO START OF CONSTRUCTION. FAILURE TO SCHEDULE A PRE-CONSTRUCTION MEETING CAN RESULT IN A "STOP WORK" NOTICE.

PROJECT INFORMATION

SITE NAME: PRESIDIO PARK
SITE NUMBER: SD02867C
SITE ADDRESS: 2833 WHITMAN STREET
SAN DIEGO, CA 92110
CITY OF SAN DIEGO
COUNTY OF SAN DIEGO

JURISDICTION: CITY OF SAN DIEGO
COUNTY: COUNTY OF SAN DIEGO

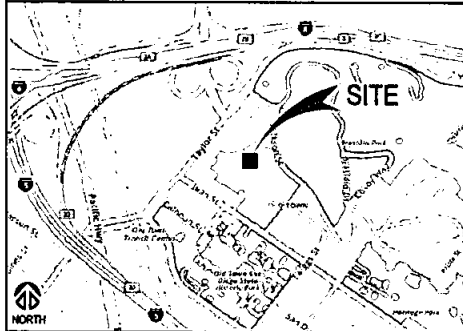
LATITUDE: 32.75791°N
LONGITUDE: 117.19885°W
CONSTRUCTION TYPE: N/A
A.P.N.: 442-520-08-00
ZONING CLASSIFICATION: OTSPO-PUBLIC-PROP D
PROPOSED USE: UNMANNED TELECOMMUNICATION FACILITY

PROPERTY OWNER: CITY OF SAN DIEGO
1200 THIRD AVENUE
SUITE 1700
SAN DIEGO, CA 92101

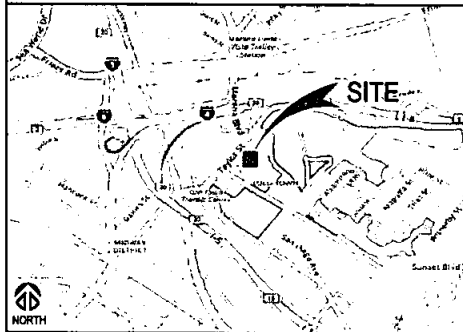
T-MOBILE PROJECT MANAGER: JOSEPH ROSE
(658) 334-6112
joseph.rose11@T-Mobile.com

APPLICANT: SAC WIRELESS ON
BEHALF OF T-MOBILE
BRANDON COSTA
(619) 957-1009
brandon.costa@sacw.com

LOCATION MAP



VICINITY MAP



SCOPE OF WORK

- T-MOBILE PROPOSES TO:
- REMOVE EXISTING CABLES
 - RELOCATE (3) EXISTING T-MOBILE AIR32 PANEL ANTENNAS
 - INSTALL (3) PROPOSED T-MOBILE ANTENNA MOUNTING PIPES
 - INSTALL (3) PROPOSED T-MOBILE APXVAARR18_43-UNA20 PANEL ANTENNAS
 - INSTALL (3) PROPOSED T-MOBILE RADIOS (4449_8711812)
 - INSTALL (1) PROPOSED T-MOBILE SUPPORT ARM MOUNT
 - INSTALL (6) PROPOSED SUPPORT ARM MOUNT
 - INSTALL (8) PIPE SUPPORT CROSS PLATE
 - INSTALL (1) PROPOSED 6X12 HCS 6AWG CABLE
 - INSTALL (3) PROPOSED RET CABLES
 - PROJECT VALUATION: \$85,000

DRIVING DIRECTIONS

- DIRECTIONS FROM: 10509 VISTA SORRENTO PKWY, SAN DIEGO, CA 92121:
1. HEAD SOUTHEAST ON VISTA SORRENTO PKWY TO MERGE ONTO I-15 W
 2. USE THE RIGHT 2 LANES TO TURN RIGHT ONTO 7 TAKE EXIT 3 TOWARD TAYLOR ST (SIGNS FOR SORRENTO VALLEY RD)
 3. SLIGHT RIGHT ONTO THE INTERSTATE 805 S 8. TURN RIGHT ONTO TAYLOR ST (SIGNS FOR MORENA BOULEVARD / TAYLOR STREET) RAMP
 4. KEEP LEFT TO STAY ON 805 S 9. TURN LEFT ONTO WHITMAN ST
 5. USE THE RIGHT 2 LANES TO TAKE EXIT 20 TO DESTINATION WILL BE ON THE LEFT: 2833 WHITMAN STREET
 6. USE THE RIGHT 2 LANES TO TAKE EXIT 38 TO SAN DIEGO, CA 92110

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 EXISTING 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	REFERENCED DOCUMENTS, ABBREVIATIONS, LEGEND & SIGNAGE
T-4.0	PHOTOSIMULATIONS & APPROVAL DOCUMENTS
A-1.0	OVERALL SITE PLAN
A-2.0	ENLARGED SITE PLAN
A-3.0	EXISTING & PROPOSED ANTENNA PLANS & SCHEDULES
A-3.1	ANTENNAS & RADIO MOUNTING DETAILS
A-3.2	EXISTING EQUIPMENT PLAN, & EXISTING BATTERY CALCULATIONS
A-4.0	EXISTING & PROPOSED NORTHWEST ELEVATIONS
A-4.1	EXISTING & PROPOSED NORTHEAST ELEVATIONS
A-4.2	EXISTING & PROPOSED SOUTHEAST ELEVATIONS
A-4.3	EXISTING & PROPOSED SOUTHWEST ELEVATIONS
A-5.0	EQUIPMENT DETAILS & SPECIFICATIONS
G-1.0	SCHEMATIC GROUNDING PLANS, NOTES & DETAILS
RF-1.0	EQUIPMENT CONFIGURATION

CODE COMPLIANCE

- 2019 CALIFORNIA ENERGY CODE
- 2019 CALIFORNIA BUILDING CODE
- 2019 CALIFORNIA ELECTRICAL CODE
- 2019 CALIFORNIA FIRE CODE
- 2019 CALIFORNIA MECHANICAL CODE
- 2019 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: _____
SITE ACQUISITION: _____ DATE: _____
PROPERTY OWNER: _____ DATE: _____
ZONING: _____ DATE: _____

T-Mobile

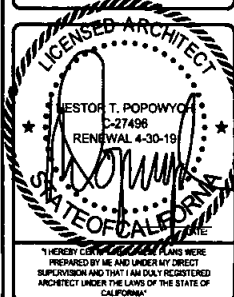
10509 VISTA SORRENTO PKWY, STE 150
SAN DIEGO, CA 92121
T-MOBILE.COM



SAC AE DESIGN GROUP, INC.
5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
WWW.SACW.COM

REVISIONS

NO.	DATE	DESCRIPTION	BY
0	08/03/20	90% CD's	SSP
1	08/24/20	100% CD's	SSP



L7 4X2
PRESIDIO PARK
SD02867C
2833 WHITMAN STREET
SAN DIEGO, CA 92110

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1.0

GENERAL NOTES:

1. THIS FACILITY IS EXEMPT FROM ACCESSIBILITY REQUIREMENTS PER CALIFORNIA INTERNATIONAL BUILDING CODE SECTION 119-203.5. 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 PREVISIONS 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 EXCHANGER
 - 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. 480-208 & 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. INTUITED DUTY CENTER
 - N. ANTENNAS, RADIOS & 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 & GROUNDS & 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 19 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-SP-1.
7. FURNISH DROP CLOTHES, SHIELDS, 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. 1MIL DFT PER COAT APPLIED IN TWO COATS OVER DTM BONDING PRIMER (B6A50).
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 E51-W525

TOPCOAT - COROTHANE II B65W200/B60V2

BTS CABINET

PRIMER - KEM AQUA E51-W525

TOPCOAT - COROTHANE II B65W200/B60V2

COAXIAL JUMPER CABLES

PRIMER - AS REQUIRED FOR ADHESION. APPLY ONE COAT OF KEM AQUA WATER REDUCIBLE

PRIMER E51W525 REDUCED 25%

TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

RAW STEEL

PRIMER - KEM BOND HS B50W24, 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, S50W24

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 V21000

TOPCOAT - SUPERPAINT A-80 SERIES A-89 SATIN A-84 GL0SS

WOOD

PRIMER - A-100 EXTERIOR ALKYD W0690 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 - CURPROCK CLEAR WOOD PRESERVATIVE #158-0358 ALL PENETRATIONS INTO FINISHED GLULAMS SHALL BE CAULKED WITH "SIRKAFLEX" SEALANT
STEEL TOUCH UP
STEEL THAT HAS BEEN WELDED, CUT OR SCRATCHED IN THE FIELD SHALL BE TOUCHED UP WITH COLD GALVANIZED PAINT.

GROUNDING NOTES:

1. COMPRESSION CONNECTIONS (2) 2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUNDING BAR, ROUTE CONDUCTORS TO BURIED GROUNDING RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
2. EC SHALL USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "N", "T") WITH 1" HIGH LETTERS.
3. ALL HARDWARE 18-8 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 CHANGES OR ADDITIONS TO BACK-UP 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 OF 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 807.3]

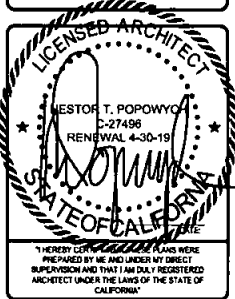
T-Mobile

15550 VISTA SCAGLE TO HWY #208
SAN DIEGO, CA 92127
T-MOBILE.COM

SAC

WIRELESS
SAC AS DESIGN GROUP, INC.
3015 SHORHAM PLACE, SUITE 150
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SD0287C
2833 WHITMAN STREET
SAN DIEGO, CA 92110

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

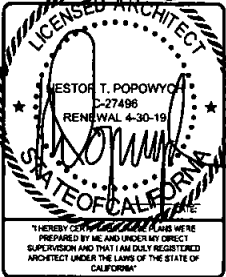
T-2.0

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NOT USED

SCALE
N.T.S.

2

NOT USED

SCALE
N.T.S.

2

DISCLAIMER

- THIS SITE PLAN WAS GENERATED WITHOUT THE BENEFIT OF A SURVEY. LOCATIONS OF PROPERTY LINES AND UTILITIES ARE PRELIMINARY.

DISCLAIMER

- THIS IS A MODIFICATION OF A PERMIT OF AN EXISTING FACILITY AND NO GROUND DISTURBANCE OR TRENCHING IS PROPOSED BY THIS PROJECT
- NO EXISTING PARKING SPACE WILL BE USED OR REMOVED BY THIS PROJECT
- THIS PROJECT PROPOSES NO WORK WITHIN THE PUBLIC RIGHT-OF-WAY

APN: 442-520-08-00

OVERALL SITE PLAN

SCALE: 1/8"=1'-0" (22/34)

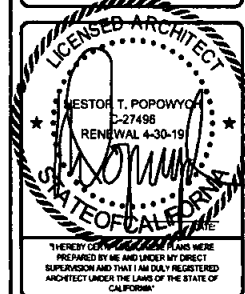
60' 0' 30' 0'

NORTH

- THIS SITE PLAN WAS GENERATED WITHOUT THE BENEFIT OF A SURVEY. LOCATIONS OF PROPERTY LINES AND UTILITIES ARE PRELIMINARY.

- THIS IS A MODIFICATION OF A PERMIT OF AN EXISTING FACILITY AND NO GROUND DISTURBANCE OR TRENCHING IS PROPOSED BY THIS PROJECT
- NO EXISTING PARKING SPACE WILL BE USED OR REMOVED BY THIS PROJECT
- THIS PROJECT PROPOSES NO WORK WITHIN THE PUBLIC RIGHT-OF-WAY

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[illegible]

L7 4X2
PRESIDIO PARK
SD02867C
2833 WHITMAN STREET
SAN DIEGO, CA 92110

SHEET TITLE

OVERALL SITE PLAN

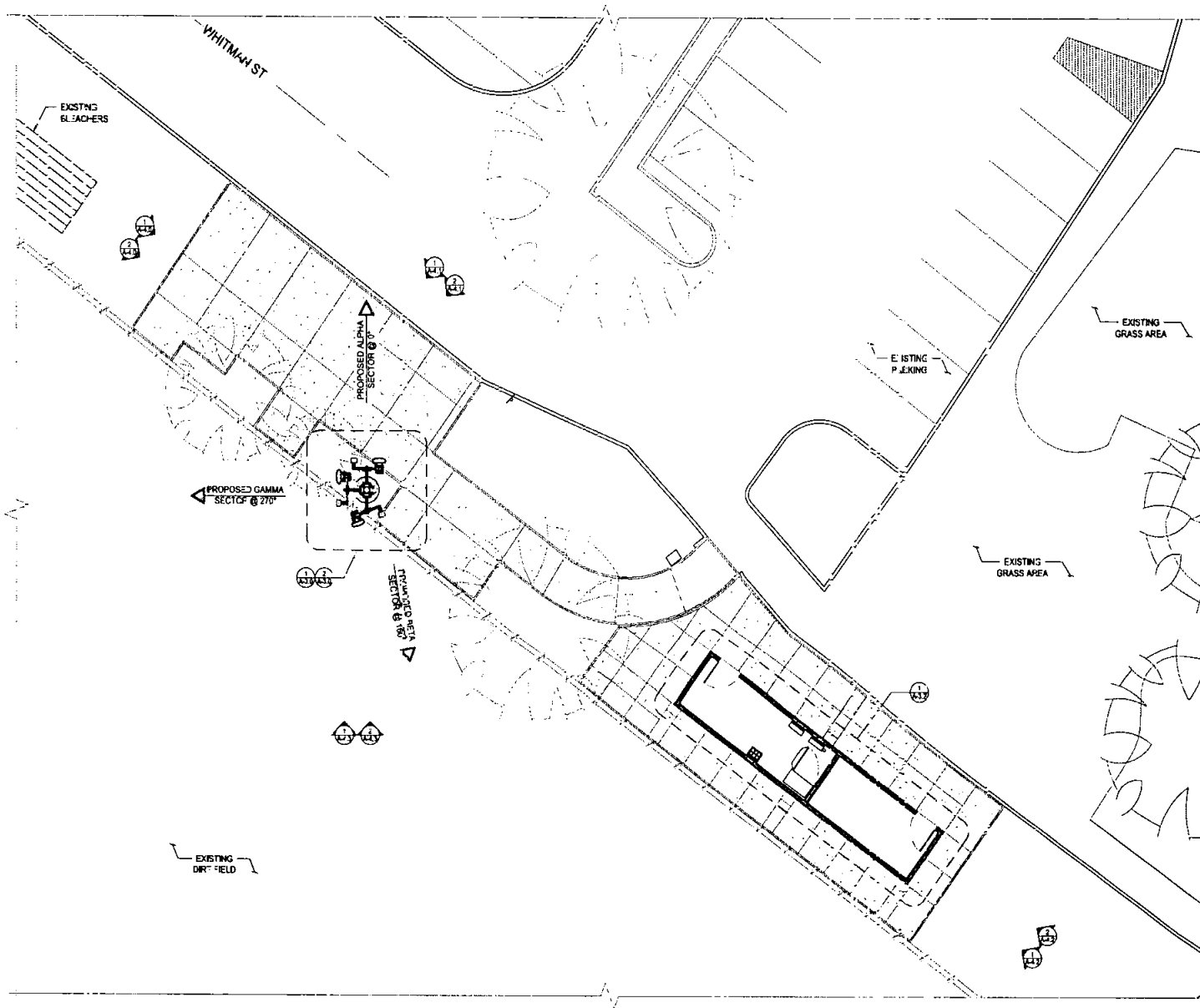
SHEET NUMBER

A-1.0



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ENLARGED SITE PLAN



T-Mobile

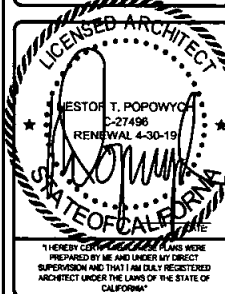
15250 VISTA SCORPIO DRIVE
SAN DIEGO, CA 92121
1-800-858-0004

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WIRELESS
SAC/ AE DESIGN GROUP, INC.
5015 SHORTHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
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REVISIONS

REV.	DATE	DESCRIPTION	BY/CHK
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L742
PRESIDIO PARK
SD0287C
2833 WHITMAN STREET
SAN DIEGO, CA 92110

SHEET TITLE

ENLARGED SITE PLAN

SHEET NUMBER

A-2.0



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

1

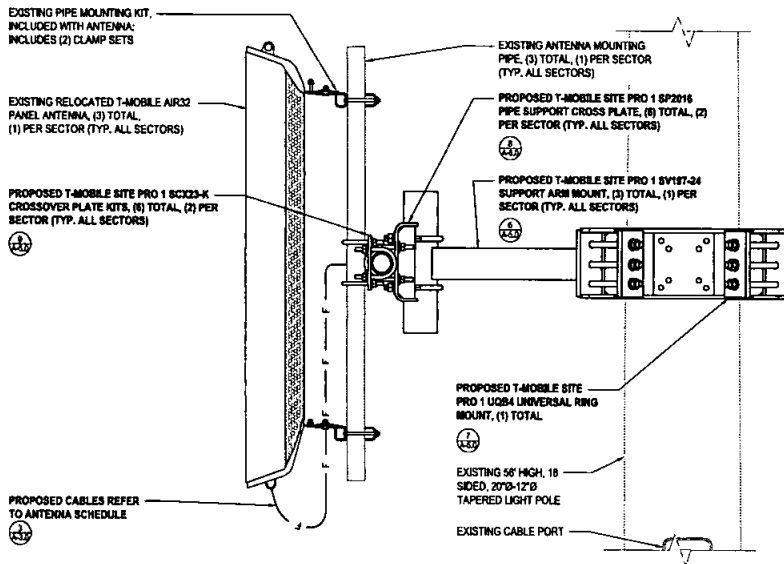
PROPOSED ANTENNA SCHEDULE										
SECTOR	AZMUTH	RAD CENTER	TOP OF ANTENNA	GENERAL ANTENNA SIZE	POSITION	EXISTING OR PROPOSED	ANTENNA MODEL	TMA/RADIO	CABLE	CABLE LENGTH AS PER RFDS
ALPHA	0°	44'-0"	46'-0"	4'-0"	1	EXISTING RELOCATED	AIR 32 KRD901146-1_868A_B2A	N/A	(1) FIBER JUMPERS (1) 6X12 HCS	9'-0" 50M
		44'-0"	47'-0"	6'-0"	2	PROPOSED	APXVAARR18_43-U-MA29	(1) RADIO (4449_871+B12)	(4) SUREFLEX JUMPERS (1) 6X12 HCS 6AWG	9'-0" 50M
BETA	180°	44'-0"	46'-0"	6'-0"	1	PROPOSED	APXVAARR18_43-U-MA29	(1) RADIO (4449_871+B12)	(4) SUREFLEX JUMPERS 6X12 HCS 6AWG (SHARED)	9'-0" 50M
		44'-0"	47'-0"	4'-0"	2	EXISTING RELOCATED	AIR 32 KRD901146-1_868A_B2A	N/A	(1) FIBER JUMPERS 6X12 HCS (SHARED)	9'-0"
GAMMA	270°	44'-0"	46'-0"	4'-0"	1	EXISTING RELOCATED	AIR 32 KRD901146-1_868A_B2A	N/A	(1) FIBER JUMPERS 6X12 HCS (SHARED)	9'-0"
		44'-0"	47'-0"	6'-0"	2	PROPOSED	APXVAARR18_43-U-MA29	(1) RADIO (4449_871+B12)	(4) SUREFLEX JUMPERS 6X12 HCS 6AWG (SHARED)	9'-0" 50M

CONTRACTOR TO REFERENCE FINAL RFDS PRIOR TO CONSTRUCTION

EXISTING ANTENNA SCHEDULE										
SECTOR	AZMUTH	RAD CENTER	TOP OF ANTENNA	GENERAL ANTENNA SIZE	POSITION	EXISTING OR PROPOSED	ANTENNA MODEL	TMA/RADIO	CABLE	CABLE LENGTH AS PER RFDS
ALPHA	0°	44'-0"	46'-0"	4'-0"	1	EXISTING TO BE RELOCATED	AIR 32 KRD901146-1_868A_B2A	N/A	(1) FIBER JUMPERS (1) 6X12 HCS	9'-0" 50M
BETA	170°	44'-0"	46'-0"	4'-0"	1	EXISTING TO BE RELOCATED	AIR 32 KRD901146-1_868A_B2A	N/A	(1) FIBER JUMPERS 6X18 HCS (SHARED) (1) 6X12 HCS (SHARED)	9'-0" 50M 30M
GAMMA	270°	44'-0"	46'-0"	4'-0"	1	EXISTING TO BE RELOCATED	AIR 32 KRD901146-1_868A_B2A	N/A	(1) FIBER JUMPERS 6X18 HCS (SHARED) 6X12 HCS (SHARED)	9'-0" 50M 30M

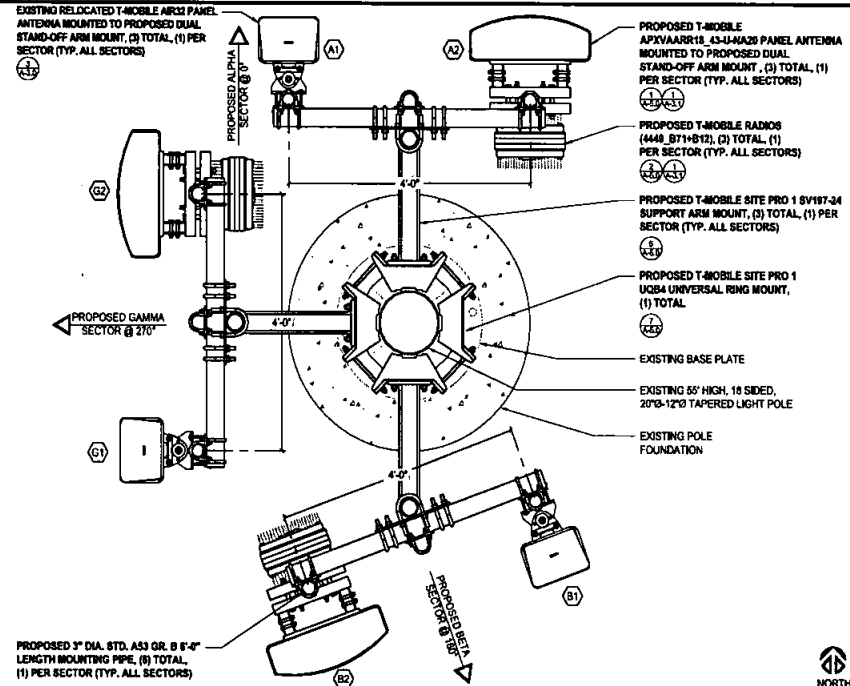
PROPOSED & EXISTING ANTENNA SCHEDULES

SCALE
N.T.S. 4



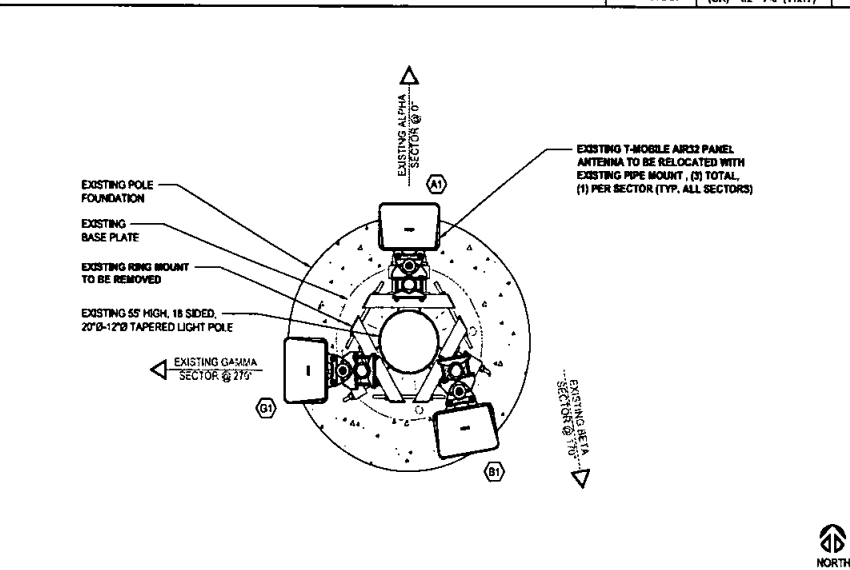
RELOCATED ANTENNA MOUNTING DETAIL

SCALE
N.T.S. 3



PROPOSED ANTENNA PLAN

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



EXISTING ANTENNA PLAN

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

T-Mobile

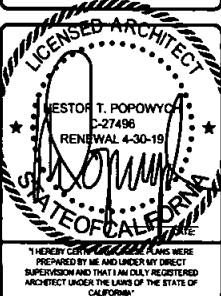
1000 VISTA SCENIC DRIVE
SAN DIEGO, CA 92121
1-800-950-5555

SAC

WIRELESS
SAC AE DESIGN GROUP, INC.
3018 SHORHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
www.sacae.com

REVISIONS

REV	DATE	DESCRIPTION	BY
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L7 4X2
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2833 WHITMAN STREET
SAN DIEGO, CA 92110

SHEET TITLE
EXISTING & PROPOSED
ANTENNA PLANS &
SCHEDULES

SHEET NUMBER
A-3.0

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NOT USED

SCALE
N.T.S. 2 ANTENNA & RADIO MOUNTING DETAILS

PROPOSED 3" DIA. STD. ASS GR. B 8'-4"
LENGT - MOUNTING PIPE, (3) TOTAL
(1) PER SECTOR (TYP. ALL SECTORS)

PROPOSED T-MOBILE
APXVAARR 8-43-U-HA28 PANEL ANTENNA
MOUNTED TO PROPOSED DUAL
STAND-OFF ARM MOUNT, (2) TOTAL (1)
PER SECTOR (TYP. ALL SECTORS)

1
22X

PROPOSED T-MOBILE SITE PRO 1 SC223-K
CROSSOVER PLATE KITS, (8) TOTAL, 2) PER
SECTOR (TYP. ALL SECTORS)

8
22X

PROPOSED CABLES
REFER TO ANTENNA
SCHEDULE

32X

PROPOSED T-MOBILE RADIOS
(4449_871+312), (3) TOTAL, (1) PER
SECTOR (TYP. ALL SECTORS)

32X

PIPE MOUNTING KIT,
INCLUDED WITH ANTENNA;
INCLUDES (2) CLAMP SETS

2
22X

PROPOSED T-MOBILE SITE PRO 1 SP2516
PIPE SUPPORT CROSS PLATE, (8) TOTAL, (2)
PER SECTOR (TYP. ALL SECTORS)

8
22X

PROPOSED T-MOBILE SITE PRO 1
SV197-24 SUPPORT ARM MOUNT,
(3) TOTAL, (1) PER SECTOR (TYP.
ALL SECTORS)

3
22X

PROPOSED T-MOBILE SITE PRO 1
UOB4 UNIVERSAL RING MOUNT,
(1) TOTAL

1
22X

EXISTING 56' HIGH, 18
SIDED, 20"Ø-12"Ø
TAPERED LIGHT POLE

EXISTING
CABLE PORT

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

T-Mobile

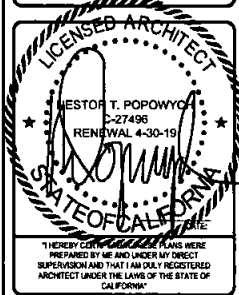
10250 WEST 156TH AVE. SUITE 100
SAN DIEGO, CA 92121
T-MOBILE.COM

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WIRELESS
SAC/AC DESIGN GROUP, INC.
3015 SHORRYMAN PLACE, SUITE 150
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SAN DIEGO, CA 92110

SHEET TITLE

ANTENNAS & RADIO
MOUNTING DETAILS

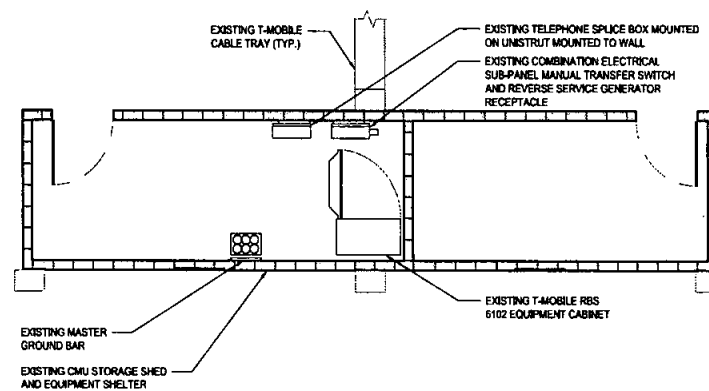
SHEET NUMBER

A-3.1

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EXISTING BATTERY SPECIFICATIONS	
CABINET TYPE	RBS 6102
BATTERY MANUFACTURER	NORTHSTAR
MODEL NUMBER	NSB170FT 
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	8.2

NOTE: INSTALL RET
CABLES



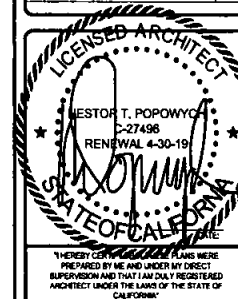
T-Mobile
15250 VISTA SERRANO TO PLYMOUTH
SAN DIEGO, CA 92121
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2833 WHITMAN STREET
SAN DIEGO, CA 92110

SHEET TITLE

EXISTING EQUIPMENT
PLAN, & EXISTING
BATTERY CALCULATIONS

SHEET NUMBER

A-3.2

EXISTING BATTERY CALCULATIONS

SCALE
N.T.S.

2

EXISTING EQUIPMENT PLAN

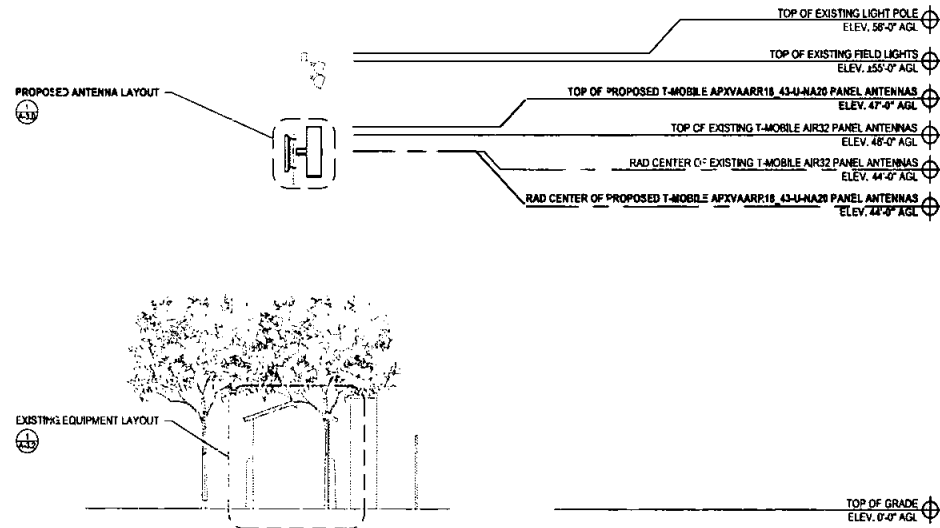
0 1 2 4

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



1

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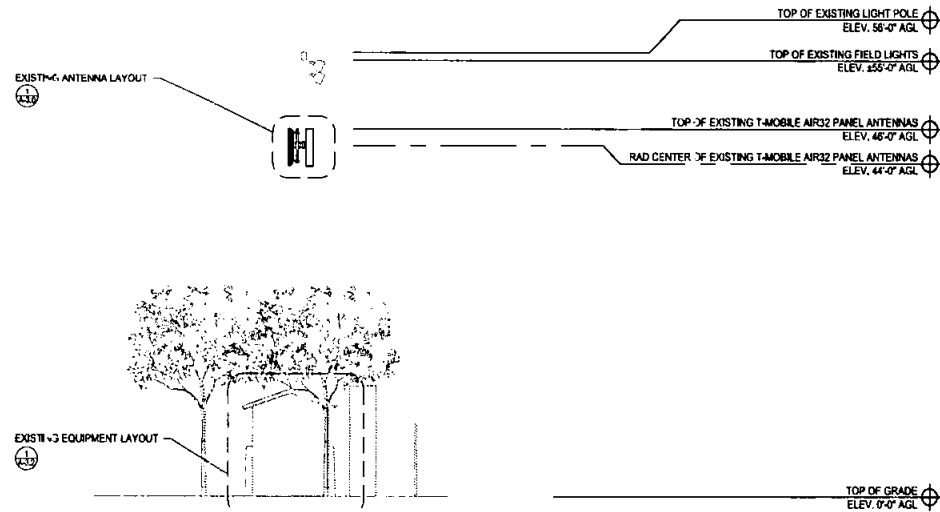


PROPOSED NORTHWEST ELEVATION



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

2



EXISTING NORTHWEST ELEVATION



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

1

T-Mobile

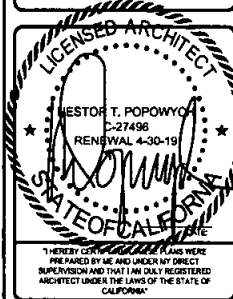
10275 VISTA SCARLETO HWY #208
SAN DIEGO, CA 92121
T-MOBILE.COM

SAC

WIRELESS
SAC & E DESIGN GROUP, INC.
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REVISIONS

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I HEREBY CERTIFY THAT THE 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.

L7 4X2
PRESIDIO PARK
5002870
2833 WHITMAN STREET
SAN DIEGO, CA 92110

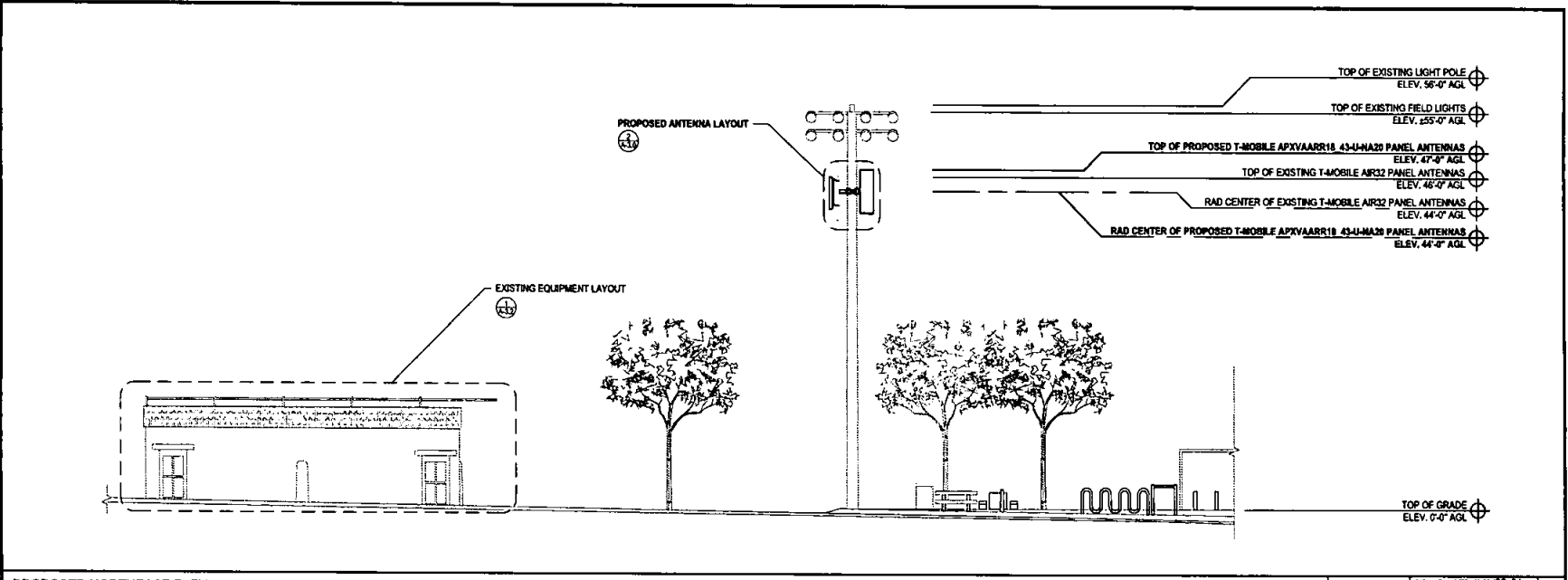
SHEET TITLE

EXISTING & PROPOSED
NORTHWEST ELEVATIONS

SHEET NUMBER

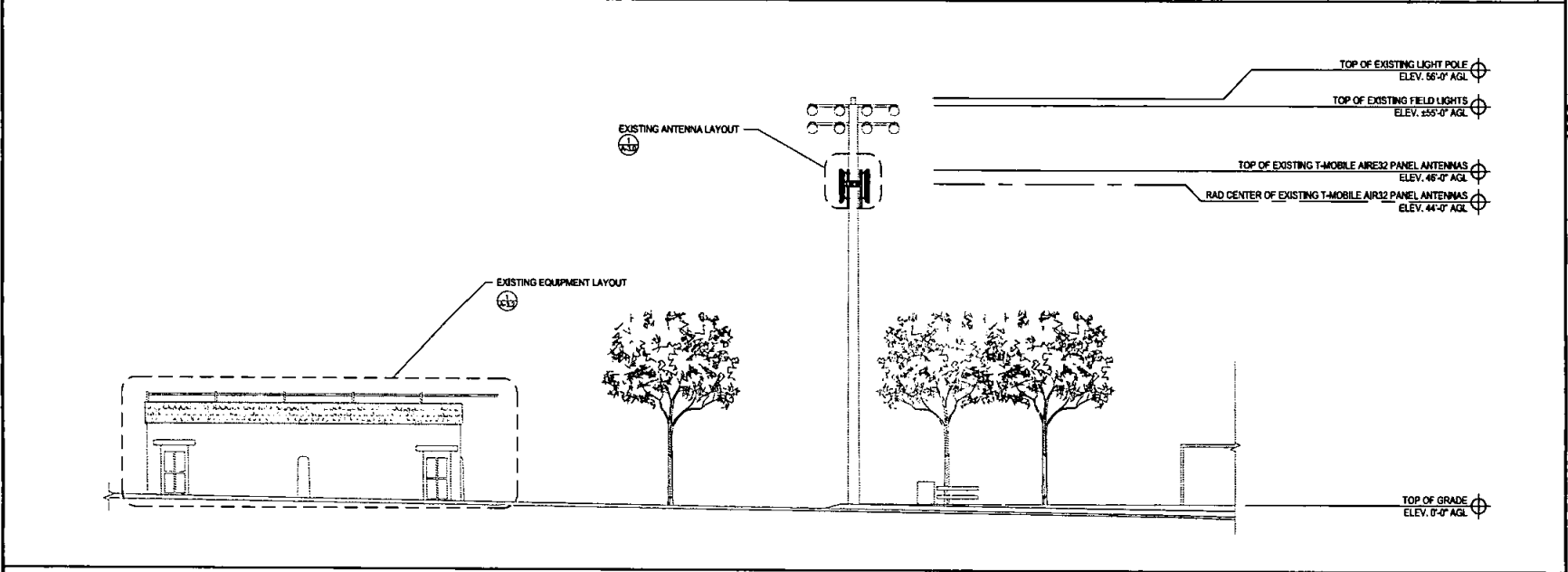
A-4.0

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PROPOSED NORTHEAST ELEVATION

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



EXISTING NORTHEAST ELEVATION

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



REVISIONS			
NO.	DATE	DESCRIPTION	BY
0	08/03/20	80% CD's	SSP
1	08/24/20	100% CD's	SSP



L7 4X2
PRESIDIO PARK
SD02867C
2833 WHITMAN STREET
SAN DIEGO, CA 92110

SHEET TITLE

EXISTING & PROPOSED
NORTHEAST ELEVATIONS

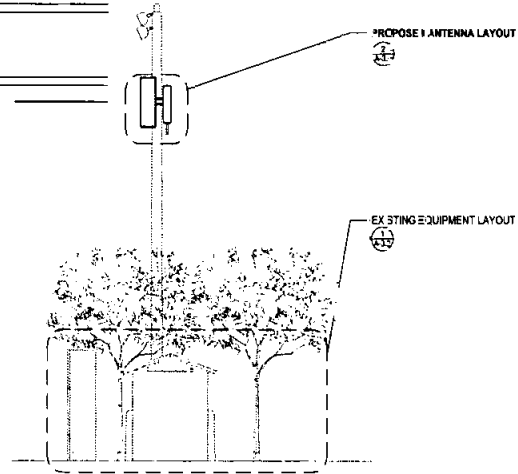
SHEET NUMBER

A-4.1

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- TOP OF EXISTING LIGHT POLE
ELEV. 56'-0" AGL
- TOP OF EXISTING FIELD LIGHTS
ELEV. 155'-0" AGL
- TOP OF PROPOSED T-MOBILE APXVAARR18_43-U-A20
PANEL ANTENNAS
ELEV. 47'-4" AGL
- TOP OF EXISTING T-MOBILE AIR32 PANEL ANTENNAS
ELEV. 46'-4" AGL
- RAD CENTER OF EXISTING T-MOBILE AIR32 PANEL ANTENNAS
ELEV. 44'-0" AGL
- RAD CENTER OF PROPOSED T-MOBILE APXVAARR18_43-U-A20 PANEL ANTENNAS
ELEV. 44'-0" AGL

TOP OF GRADE
ELEV. 0'-0" AGL



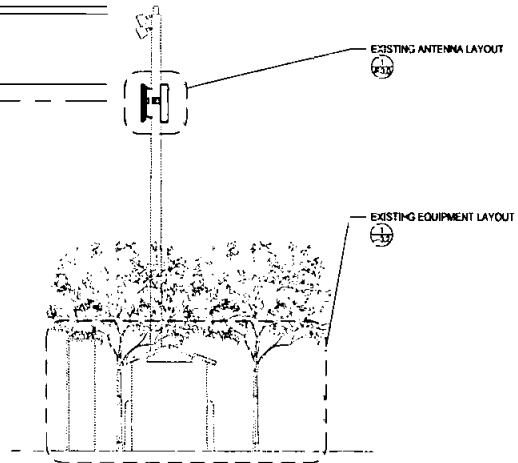
PROPOSED SOUTHEAST ELEVATION

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

2

- TOP OF EXISTING LIGHT POLE
ELEV. 56'-0" AGL
- TOP OF EXISTING FIELD LIGHTS
ELEV. 155'-0" AGL
- TOP OF EXISTING T-MOBILE AIR32 PANEL ANTENNAS
ELEV. 46'-4" AGL
- RAD CENTER OF EXISTING T-MOBILE AIR32 PANEL ANTENNAS
ELEV. 44'-0" AGL

TOP OF GRADE
ELEV. 0'-0" AGL



EXISTING SOUTHEAST ELEVATION

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

1

T-Mobile

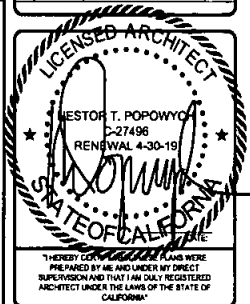
12256 VISTA SPORELL TO PENNY RD
SAN DIEGO, CA 92121
1.800.888.8.000

SAC

WIRELESS
SAC AG DESIGN GROUP, INC.
8015 SHOREWAY PLACE, SUITE 150
SAN DIEGO, CA 92122
www.sacag.com

REVISIONS

REV.	DATE	DESCRIPTION	BY
0	08/03/20	90% CD's	SSP
1	08/24/20	100% CD's	SSP



L7 4X2
PRESIDIO PARK
SDG2867C
2833 WHITMAN STREET
SAN DIEGO, CA 92110

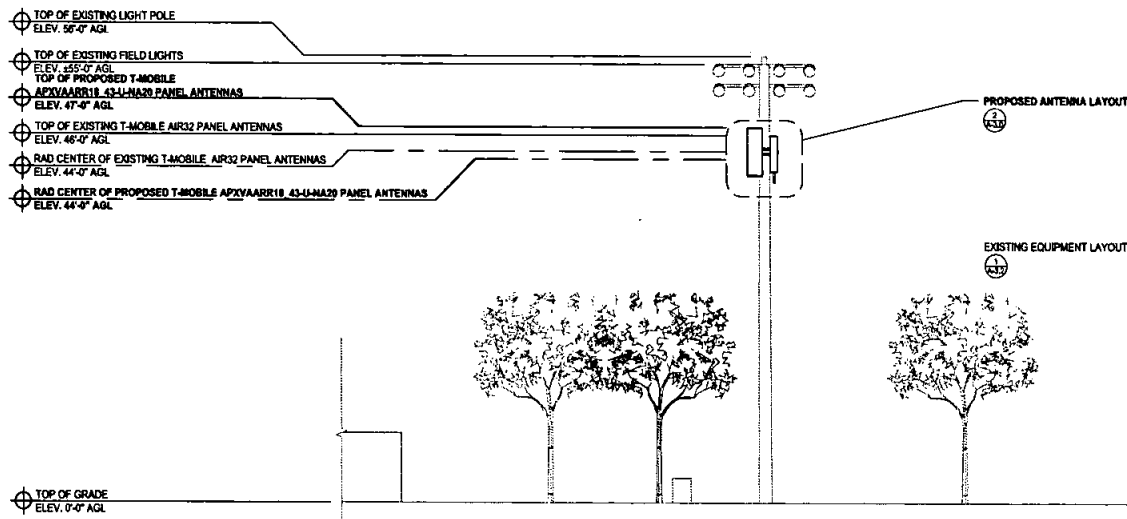
SHEET TITLE

EXISTING & PROPOSED
SOUTHEAST ELEVATIONS

SHEET NUMBER

A-4.2

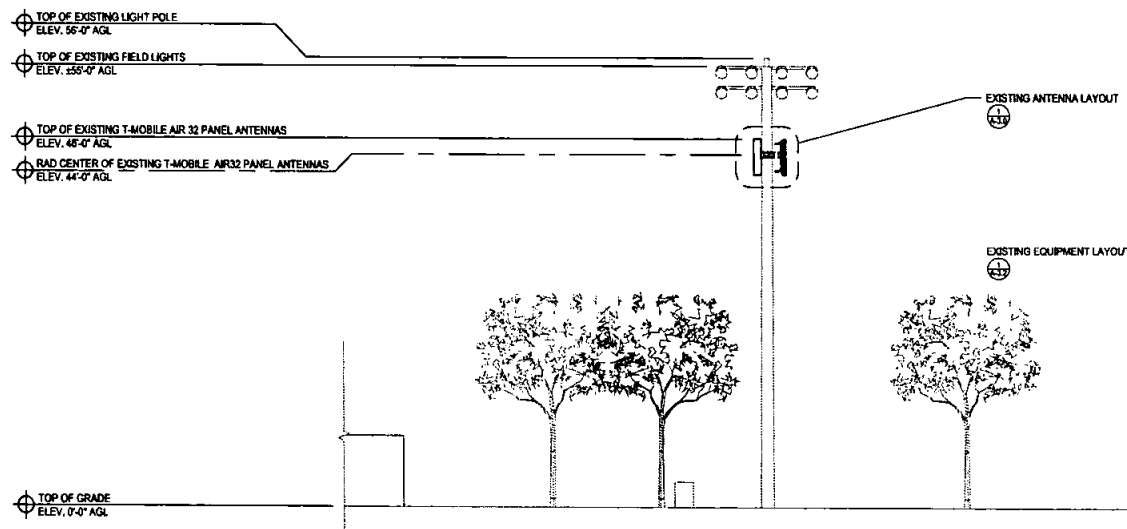
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PROPOSED SOUTHWEST ELEVATION

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

2



EXISTING SOUTHWEST ELEVATION

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

1

T-Mobile

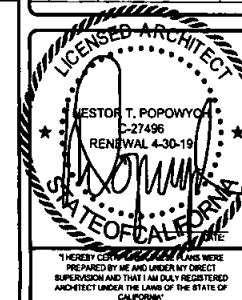
16220 VISTA DRIVE, 10TH FLOOR
SAN DIEGO, CA 92121
T-MOBILE.COM

SAC
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SAC/ AE DESIGN GROUP, INC.
8015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
WWW.SAC/ AE.COM

REVISIONS

REV	DATE	DESCRIPTION	BY
0	08/03/20	90% CD's	SSP
1	08/24/20	100% CD's	SSP



L7 4X2
PRESIDIO PARK
SD02867C
2833 WHITMAN STREET
SAN DIEGO, CA 92110

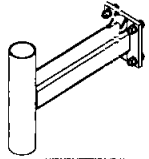
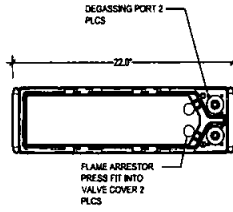
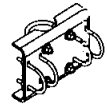
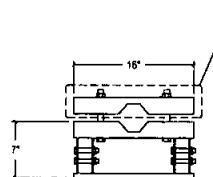
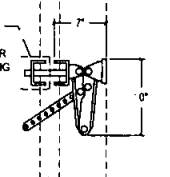
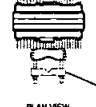
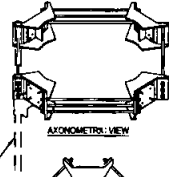
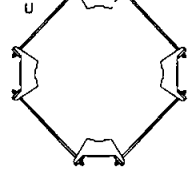
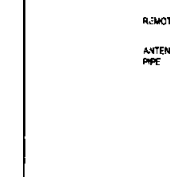
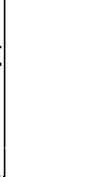
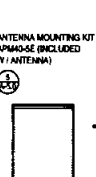
SHEET TITLE

EXISTING & PROPOSED
SOUTHWEST ELEVATIONS

SHEET NUMBER

A-4.3

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MANUFACTURER: SITE PRO 1 MODEL: SC23A- CROSSOVER PLATE KITS -U-BOLTS AND HARDWARE INCLUDED -HOT-DIP GALVANIZED	 AXONOMETRIC VIEW	MANUFACTURER: SITE PRO 1 MODEL: SV181-CA SUPPORT ARM LENGTH W/ 4-1/2" OD X 18" STUB 24" -8700 BOLT PATTERN -UNIQUE WELDED GUSSETS ADD STRENGTH	 AXONOMETRIC VIEW	MANUFACTURER: NORTHEAST MODEL: NSB 170FT 10 HOUR CAPACITY TO 1.80VPC @ 25°C (77°F) 5 HOUR CAPACITY TO 1.75VPC @ 25°C (77°F) 10 HOUR CAPACITY TO 1.80VPC @ 20°C (68°F) FLOAT VOLTAGE: 2.27 ± 0.02 NOMINAL VOLTAGE: 12V IMPEDANCE (100Hz): 2.7 mΩ CONDUCTANCE: 3113 S SHORT CIRCUIT CURRENT: 6,000 A MAXIMUM CHARGE CURRENT: NO LIMIT WEIGHT: 128 lbs (58kg) HEIGHT: 12.6 in. WIDTH: 4.9 in. DEPTH: 22.0 in. TERMINAL: FEMALE M5x1.25 TERMINAL TORQUE: 8.0 Nm (71 in-lbs)	 FRONT VIEW	DEGASSING PORT 2 PLCS FLAME ARRESTOR PRESS FIT INTO VALVE COVER 2 PLCS	
CROSSOVER PLATE DETAIL	9	SUPPORT ARM DETAIL	6	BATTERY (EXISTING)	2"=1'-0" (22x34) 1"=1'-0" (11x17)	3	
MANUFACTURER: SITE PRO 1 MODEL: SP211 PIPE SUPPORT CROSS PLATES -HOT-DIP GALVANIZED -ALL HARDWARE INCLUDED	 AXONOMETRIC VIEW	 FRONT VIEW	 SIDE VIEW	MANUFACTURER: ERICSSON MODEL: RADIO 4449 MECHANICAL NET WEIGHT: 74 LBS DIMENSIONS (LxWxH): 14.85"X11.95"X2.25" COLOR: WHITE MOUNTING: STANDARD MOUNTING BRACKET HARDWARE MATERIAL: HOT DIP GALVANIZED	 FRONT VIEW	 SIDE VIEW	RADIO MOUNTING KIT (INCLUDED W/ RADIO)
PIPE SUPPORT CROSS PLATES DETAIL	8	APM40-5E ANTENNA MOUNTING BRACKET	5	RADIO 4449	1"=1'-0" (22x34) 1/2"=1'-0" (11x17)	2	
MANUFACTURER: SITE PRO 1 MODEL: URM UNIVERSAL RING MOUNT PILE SIZE RANGE: 12"-20" -8700 BOLT PATTERN -DESIGNED TO STAY AS CLOSE AS POSSIBLE TO THE MONOPOLE, NOT INTERFERING WITH EXTERNAL CLIMBING LADDERS -ELIMINATES THE NEED FOR SEPARATE RING MOUNT KIT	 AXONOMETRIC VIEW	 FRONT VIEW	 SIDE VIEW	MANUFACTURER: RFS MODEL: APXVAARR18_43-U-A20 FREQUENCY RANGE: LOW BAND 817-740 MHz HIGH BAND 1555-2220 MHz HORIZONTAL BEAMWIDTH: 36.4°, 36.7°, 36.8°, 36.7°, 63.1°, 63.3°, 54.3°, 64.4°, 58.1°, 58.5°, 52.7, 53°, 53°, 61°, 12.9°, 12°, 14.2° VERTICAL BEAMWIDTH: 2° - 12° BEAM TILT: <1.5° VSWR RETURN LOSS: 200 WATTS INPUT POWER PER PORT: DUAL ±45° POLARIZATION: 30 DB ANTENNA TYPE: CROSS POLARIZED BAND: QUAD BAND MECHANICAL LIGHTNING PROTECTION: DC GROUND RADOME MATERIAL: FIBERGLASS, UV RESISTANT RF CONNECTOR INTERFACE: 4.3-10 FEMALE RF CONNECTOR LOCATION: BOTTOM RF CONNECTOR QUANTITY: 8 WIND LOADING MAX.: 375 N @ 2400MM WIND SPEED MAX.: 150 MPH DIMENSIONS (OxLxH): 8.52"x24"x4" NET WEIGHT: 108 LBS MOUNTING HARDWARE: APM40-5E	 FRONT VIEW	 SIDE VIEW	ANTENNA MOUNTING KIT (INCLUDED W/ ANTENNA)
UNIVERSAL RING MOUNT	7	PIPE CLAMP MOUNTING BRACKET	4	APXVAARR18_43-U-A20	1/2"=1'-0" (22x34) 1/4"=1'-0" (11x17)	1	

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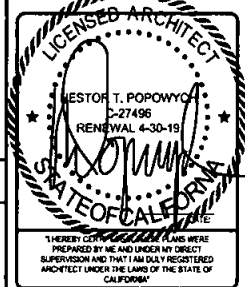
10228 VISTA SPOCANTO DRIVE #104
SAN DIEGO, CA 92121
1-800-866-6000

SAC

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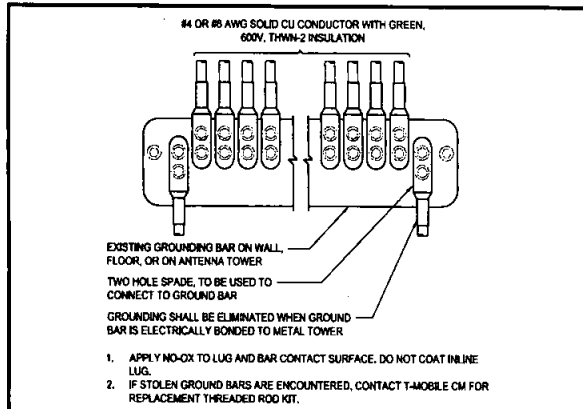
L7 4X2
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SAN DIEGO, CA 92110

SHEET TITLE

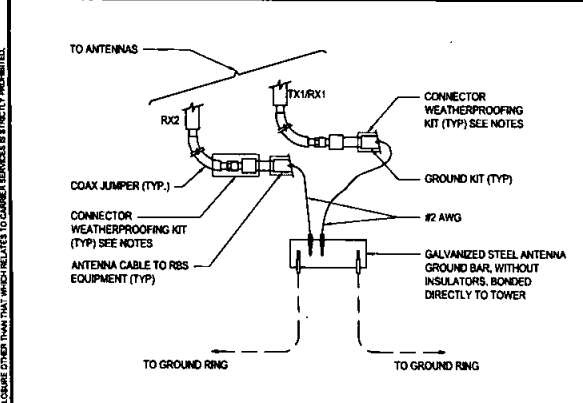
EQUIPMENT DETAILS & SPECIFICATIONS

SHEET NUMBER

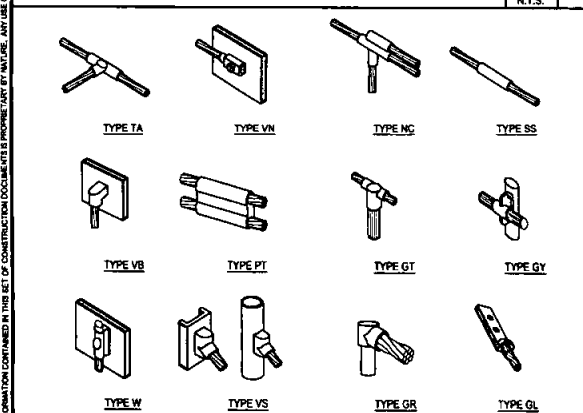
A-5.0



WIRE INSTALLATION SCALE 7 N.T.S.



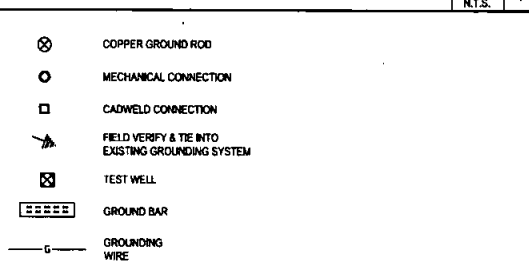
GROUND CABLE CONNECTION SCALE 6 N.T.S.



EXOTHERMIC WELD CONNECTIONS SCALE 5 N.T.S.

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

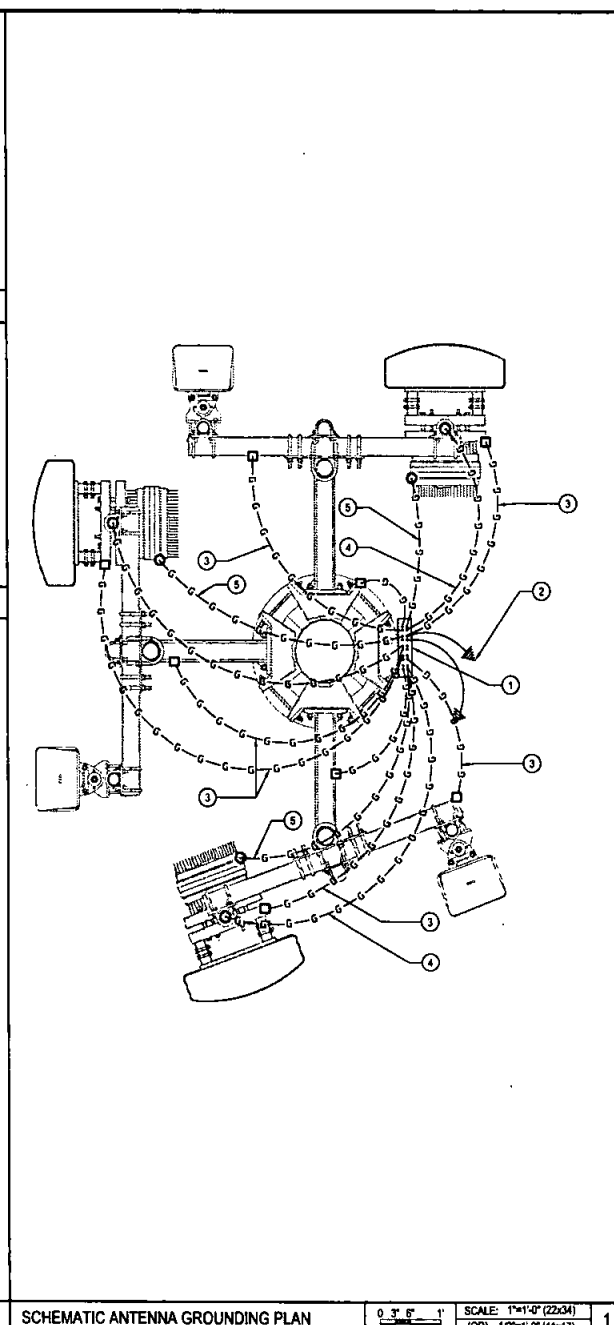
GROUNDING KEY SCALE 4 N.T.S.



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 EXIT 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 AC SYSTEM GRIDS AND EXISTING COMMUNICATIONS FACILITY.

GENERAL GROUNDING NOTES SCALE 2 N.T.S.



SCHEMATIC ANTENNA GROUNDING PLAN SCALE 1 N.T.S.

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REVISIONS				
REV.	DATE	DESCRIPTION	BY	APP.
0	08/03/20	90% CD's	SSP	
1	08/24/20	100% CD's	SSP	

LICENSED ARCHITECT

RESTOR T. POPOWY
C-27498
RENEWAL 4-30-19

STATE OF CALIFORNIA

"THESE CITY ENGINEERING PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DAILY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA"

L7 4X2
PRESIDIO PARK
SD02867C
2833 WHITMAN STREET
SAN DIEGO, CA 92110

SHEET TITLE

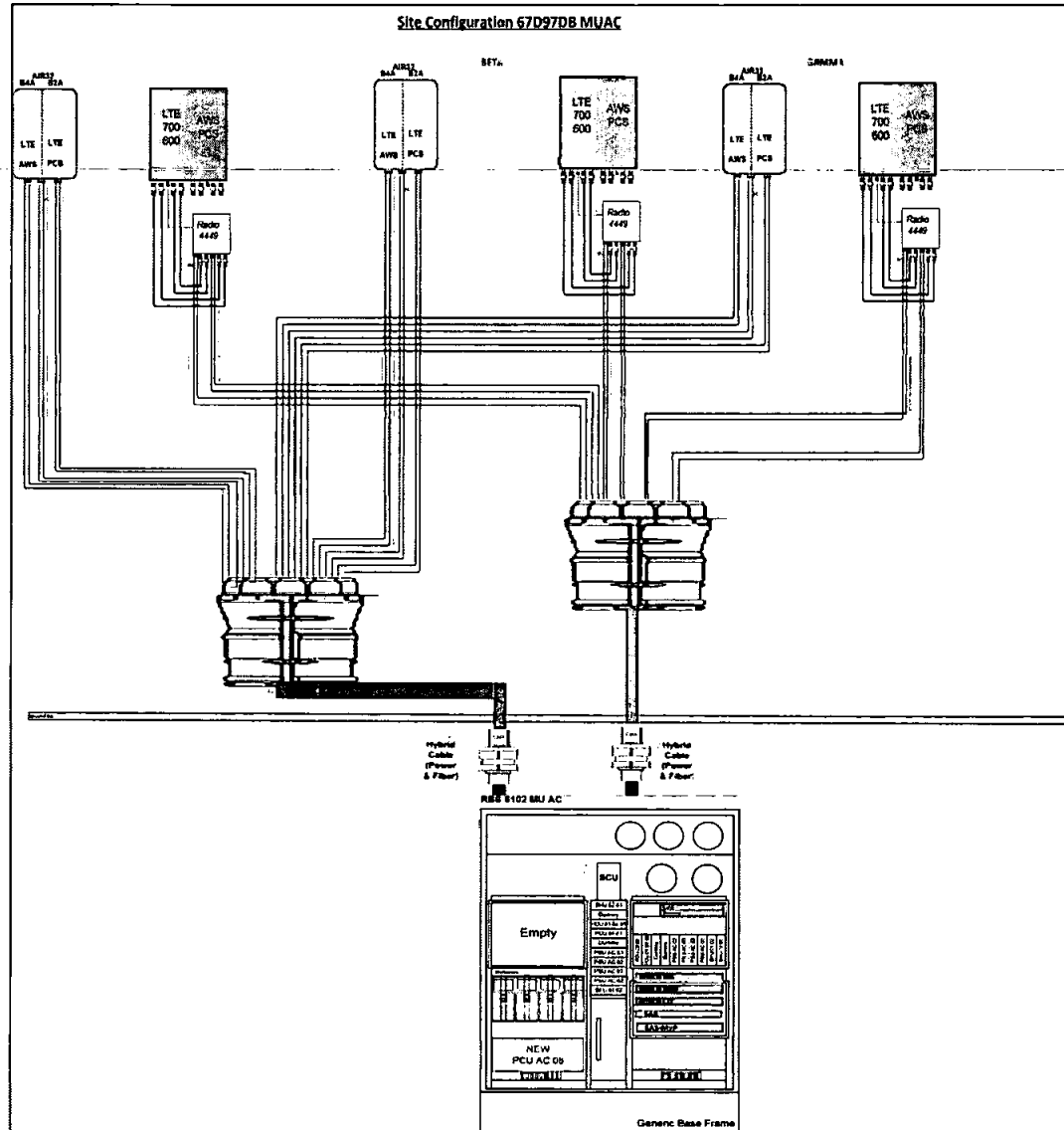
**SCHEMATIC GROUNDING
PLANS, NOTES & DETAILS**

SHEET NUMBER

G-1.0

SD02867C_V4.1_67D97DB.jpg

Site Configuration 67D97DB MUAC



Notes:

CONTRACTOR TO REFERENCE FINAL RFDS PRIOR TO CONSTRUCTION

T-Mobile

1755 W. 15TH STREET, SUITE 400
SAN DIEGO, CA 92101
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REV.	DATE	DESCRIPTION	DESIGNER
0	07/31/20	90% CD's	SSP

RF DESIGN BY
T-MOBILE
FOR REFERENCE
USE ONLY

DATE

L7 4X2
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SD02867C
2833 WHITMAN STREET
SAN DIEGO, CA 92110

SHEET TITLE

EQUIPMENT
CONFIGURATION

SHEET NUMBER

RF-1.0

EQUIPMENT CONFIGURATION

SCALE
N.T.S.

1