AFCTowers

SAHARA DENTAL CA-1579 TMO# LA74763B 2005 W. HOLT AVE. POMONA, CA 91768 LOS ANGELES COUNTY

VICINITY MAP 0 0 County Assistance Services American. Graybar Electric Supply Bay Foods NO SCALE Blvd.

SITE DIRECTIONS

DIRECTIONS FROM T-MOBILE OFFICE

3257 F GUASTURD ONTARIO CA 91761

GET ON I-10 W. HEAD SOUTHEAST ON E GUASTI RD TOWARD N CENTRE LAKE DR. USE THE 2ND FROM THE LEFT LANE TO TURN LEFT ONTO N HAVEN AVE. SLIGHT RIGHT TO MERGE ONTO I-10 W . FOLLOW I-10 W TO GILLETTE RD IN POMONA. TAKE EXIT 44 FROM I-10 W. MERGE ONTO I-10 W. USE THE RIGHT LANE TO TAKE EXIT 44 TOWARD GILLETTE RD. KEEP RIGHT, FOLLOW SIGNS FOR DUDLEY ST. FOLLOW DUDLEY ST TO W HOLT AVE. TURN RIGHT ONTO GILLETTE RD. TURN RIGHT ONTO DUDLEY ST. PASS BY JACK IN THE BOX (ON THE RIGHT IN 0.2 MI). TURN RIGHT ONTO W HOLT. AVE. DESTINATION WILL BE ON THE RIGHT. 2005 W HOLT AVE. POMONA, CA 91768

PROJECT TEAM

8601 SIX FORKS RD., SUITE 250

MJ MANAGEMENT GROUP. LLC

CLIENT:

COMPANY: ADDRESS: CITY, STATE, ZIP: CONTACT: PHONE:

RALFIGH NC 27615 PAUL ALVAREZ (919) 249-7732

2009 W. HOLT AVE. POMONA, CA 91768

(909) 623-9590

PLANCOM, INC.

(714) 906-0018

TUSTIN, CA 92780

APC TOWERS LLC

PROPERTY OWNER: COMPANY: ADDRESS: CITY, STATE, ZIP: PHONE

TOWER OWNER: COMPANY: ADDRESS: CITY, STATE, ZIP CONTACT

APC TOWERS LLC 8601 SIX FORKS RD., SUITE 250 PAUL ALVAREZ

250 EL CAMINO REAL, SUITE 117

SITE ACQUISITION: COMPANY:

ADDRESS: CITY, STATE, ZIP PHONE:

PROFESSIONAL OF RECORD: ADDRESS: CONTACT

1572 N. BATAVIA ST. SUITE 1D. ORANGE, CA 92876

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE

- 2016 CALIFORNIA BUILDING CODE 2016 CALIFORNIA ENERGY CONSERVATION CODE
- 2016 CALIFORNIA RESIDENTIAL CODE
- 2016 CALIFORNIA MECHANICAL CODE
 2016 CALIFORNIA PLUMBING CODE
- 2016 CALIFORNIA ELECTRICAL CODE

IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROPOSED MONOEUCALYPTUS LOCATION

LATITUDE: 34° 3' 44.6508" NORTH (NAD83) LONGITUDE: -117° 47' 9.0924" WEST (NAD83)

PROJECT INFORMATION

I ATITUDE: 34 062386° N

LONGITUDE: -117 785783° W

GROUND ELEVATION 803.3' AMSL

APN # 8355-016-027

PARENT PARCEL: 37.847.91 SQ. FT.

PROPOSED LEASE AREA 1,000 SQ, FT.

JURISDICTION CITY OF POMONA

ZONING: CSP - CORRIDORS SPECIFIC PLAN

USE: TELECOMMUNICATIONS FACILITY

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED HANDICAP REQUIREMENTS: ACCESS NOT REQUIRED

GENERAL NOTES

- THIS WIRELESS TELECOMMUNICATIONS FACILITY WILL MEET THE HEALTH AND SAFETY STANDARDS FOR ELECTROMAGNETIC FIELD EMISSIONS AS ESTABLISHED BY THE FEDERAL COMMUNICATIONS COMMISSION OR ANY SUCCESSOR THEREOF, AND ANY OTHER FEDERAL OR STATE AGENCY
- THIS WIRELESS TELECOMMUNICATIONS FACILITY WILL MEET THE REGULATIONS OF THE FEDERAL COMMUNICATIONS COMMISSION REGARDING PHYSICAL AND ELECTROMAGNETIC INTERFERENCE
- LIGHTING OR SIGNS WILL BE PROVIDED ONLY AS REQUIRED BY FEDERAL OR STATE AGENCIES.

- CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR
- THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE: NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

FCC COMPLIANCE

RADIATION FROM THIS FACILITY WILL NOT INTERFERE WITH THE OPERATION OF OTHER COMMUNICATION DEVICES.

PROJECT DESCRIPTION

THE PROPOSED PROJECT INCLUDES:

INSTALLATION OF PROPOSED 65'-0" HIGH MONO-FLICAL YPTUS TREE

- PROPOSED (12) 8'-0" PANEL ANTENNAS PROPOSED (12) RRU'S
- PROPOSED (1) 1'Ø MICROWAVE DISH

- PROPOSED (1) 10 MIGHOWAYE DISH PROPOSED (1) (ODU) RFU-C INSTALLATION OF 8"-0" HIGH CMU WALL ENCLOSURE PROPOSED 200A DEDICATED ELECTRICAL SERVICE TO (1) 200 AMP METER
- PROPOSED 23'-6" X 11'-0" CONCRETE PAD PROPOSED (1) 6102 MUAC CABINET MOUTNED ON CONCRETE PAD PROPOSED (1) FUTURE 6102 MUAC CABINET
- PROPOSED POWER AND TELCO CABINETS
- PROPOSED POWER AND TELCO C.
 PROPOSED (1) LTE GPS ANTENNA
 PROPOSED (1) TELCO BOX
 PROPOSED (1) CIENA CABINET
- PROPOSED CABLE BRIDGE
- PROPOSED (3) 6"Ø CONDUIT STUB-UPS
- PROPOSED (1) GENERATOR W/ FLUID TANK PROPOSED (4) SECURITY FLOOD LIGHTS

DRAWING INDEX

SHEET NO:	SHEET TITLE	REV
T-1	TITLE SHEET	С
GN-1	GENERAL NOTES	С
GN-2	GENERAL NOTES	С
LS-1	SITE SURVEY	С
LS-2	NOTES & OVERALL	С
A-1	OVERALL SITE PLAN	С
A-2	ENLARGED SITE PLAN & PROPOSED EQUIPMENT PLAN	С
A-3	PROPOSED ANTENNA PLAN & ANTENNA SCHEDULE	С
A-4	PROPOSED WEST & SOUTH ELEVATIONS	С
A-5	PROPOSED NORTH & EAST ELEVATIONS	С

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

RF ENGINEER:	DATE:
PROJECT MANAGER:	DATE:
SITE ACQUISITION MANAGER:	DATE:
ZONING VENDOR:	DATE:
LEASING VENDOR:	DATE:
CONSTRUCTION MANAGER:	DATE:
A/E MANAGER:	DATE:
PROPERTY OWNER:	DATE:



RALEIGH, NC 27615 PHONE: 919-324-1943

CONSULTING FIRM

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PROJECT NO:	CA-1579
DRAWN BY:	ВС
CHECKED BY:	.IF

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1				
С		09/27/2018	CITY COMMENTS	VS
В		08/21/2018	LANDLORD DESIGN CHANGE	ОТ
0		06/29/2018	100% ZDs	BC
Α		06/11/2018	90% ZDs ISSUE FOR REVIEW	вс
REV	/	DATE	DESCRIPTION	BY

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

CA-1579 SAHARA DENTAL LA74763B 2005 W. HOLT AVE. POMONA, CA 91768 LOS ANGELES COUNTY

TITLE SHEET

GENERAL NOTES:

- FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
 CONTRACTOR TBD
 SUBCONTRACTOR GENERAL CONTRACTOR (CONSTRUCTION)
 - OWNER APC TOWER
 OEM ORIGINAL EQUIPMENT MANUFACTURE
- PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES, SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND ADDITIONAL COMES AND ADDITIONAL CO
- 4. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMEN APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE
- IF THE SPECIFIED FOLLIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS. TH SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE
- SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD PROPOSED TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR. TRENCHING SHALL BE APPROVED BY CONTRACTOR
- 10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- 11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OFF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- 12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION
- ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
- DAYS UNLESS OTHERWISE SPECIFIED.ALL CONCRETING WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
- 15. ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.
- 16. CONSTRUCTION SHALL COMPLY WITH SPECIFICATION 25741-000-3APS-AOOZ-00002, "GENERAL CONSTRUCTION SERVICES.
- 17. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- 18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK NO REXISTING FOURMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK MAY NEED TO BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS
- 19. SINCE THE CELL SITE MAY BE ACTIVE. ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE

CONCRETE AND REINFORCING STEEL NOTES:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD,
- 4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

CONCRETE CAST AGAINST EARTH 3 IN.	
CONCRETE EXPOSED TO EARTH OR WEATHER: #6 AND LARGER	
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:	
SLAB AND WALL	

A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

- 5. POST INSTALLED ANCHORS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION 3GS-T18-00013 "SELECTION, DESIGN, INSTALLATION, INSPECTION AND TESTING OF ADHESIVE AND MECHANICAL EXPANSION ANCHORS FOR WIFELESS SITE FACILITIES*. ANCHORS SHALL BE HILT OR APPROVED EQUAL, INSTALLED, INSPECTED AND TESTED AS SHOWN ON THE DESIGN DRAWINGS. NO REINFORCING STEEL SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROV
- CONCRETE CYLINDER TEST IS NOT REQUIRED FOR SLAB ON GRADE WHEN CONCRETE IS LESS THAN 50 CUBIC YARDS (IBC 1905.6.2) IN THAT EVENT THE FOLLOWING RECORDS SHALL BE PROVIDED BY THE CONCRETE SUPPLIER;

 (A) RESULTS OF CONCRETE CYLINDER TESTS PERFORMED AT THE SUPPLIER'S PLANT,

 (B) CEPTIFICATION OF MINIMUM COMPRESSIVE STRENGTH FOR

 - (B) CERTIFICATION OF MINIMUM COMPRESSIVE STRENGTH FOR
 - THE CONCRETE GRADE SUPPLIED.

FOR GREATER THAN 50 CUBIC YARDS THE GC SHALL PERFORM THE CONCRETE CYLINDER TEST, TAKING THREE CYLINDERS FROM EACH TRUCK.

GROUNDING NOTES:

- THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYS AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
- ALL GROUND FLECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNIN PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR PROPOSED GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS. TESTS SHALL BE PERFORMED IN ACCORDANCE WITH 25471-000-3PS-EG00-0001, DESIGN & TESTING OF FACILITY GROUNDING FOR CELL
- METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND ONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC. SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- 5. FACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS; 2 AWG STRANDED COPPER FOR OUTDOOR BTS.
- 6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED WITH STAINLESS STEEL HARDWARE TO THE BRIDGE AND THE TOWER GROUND BAR.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR
- 10. MISCELLANFOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- 11. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- 2. GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G., NON-METALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
- 13. ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF ANSI/TIA 222. FOR TOWERS BEING BUILT TO REV G OF THE STANDARD, THE WIRE SIZE OF THE BURIED GROUND RING AND CONNECTIONS BETWEEN THE TOWER AND THE BURIED GROUND RING SHALL BE CHANGED FROM 2 AWG TO 2/0 AWG. IN ADDITION, THE MINIMUM LENGTH OF THE GROUND RODS SHALL

SITE WORK GENERAL NOTES:

- 1. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING OF T WORKING CREW, THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.
- 3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
- IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OFF LEGALLY.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR
- 6. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION.
- THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE APC TOWER SPECIFICATION FOR SITE SIGNAGE.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
- 10. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- 11. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
- 12. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES. IF REQUIRED DURING CONSTRUCTION. SHALL BE IN CONFORMANCE WITH THE LOCAL JURISDICTION'S GUIDELINES FOR EROSION AND SEDIMENT

ELECTRICAL INSTALLATION NOTES:

- WIRING, RACEWAY, AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELCORDIA.
- SUBCONTRACTOR SHALL MODIFY EXISTING CABLE TRAY SYSTEM AS REQUIRED TO SUPPORT RF AND TRANSPORT CABLING TO THE PROPOSED BTS EQUIPMENT. SUBCONTRACTOR SHALL SUBMIT MODIFICATIONS TO CONTRACTOR FOR APPROVAL.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND TELCORDIA.
- 4. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
- 5. EACH END OF EVERY POWER, GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA, AND MATCH EXISTING INSTALLATION REQUIREMENTS.
- POWER PHASE CONDUCTORS (I.E., HOTS) SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, ½ INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). PHASE CONDUCTOR COLOR CODES SHALL CONFORM WITH THE NEC & OSHA AND MATCH EXCENSION INSTALLATION PEOPLET TO THE NET CONTINUE OF TH
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).
- 8. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
- ALL TIE WRAPS WHERE PERMITTED SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES. USE LOW PROFILES TIE WRAPS.
- POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (12 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND PACKAGE WAY SYSTEM HISTON, LINES OF THE PROPERTY OF STREET STREET STREET. LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- 11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (6 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- 12. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS, OR BELOW GRADE, SHALL BE SINGLE CONDUCTOR 2 AWG SOLID TINNED COPPER CABLE, UNLESS OTHERWISE SPECIFIED
- 13. POWER WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (12 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 $^{\circ}\text{C}$ (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
- 14 ALL POWER AND GROLINDING CONNECTIONS SHALL BE CRIMP-STYLE COMPRESSION WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF AVAILABLE).
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
- 16. PROPOSED RACEWAY OR CABLE TRAY WILL MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
- 17. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OF RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED. FOR
- 18. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS
- 19. GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR
- 20. RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND; DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
- 21. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- 22. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
- 24. CABINETS, BOXES, AND WIREWAYS TO MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
- 25. WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
- 26. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS
- 27 METAL RECEPTACLE SWITCH AND DEVICE BOXES SHALL BE GALVANIZED EPOXY-COATED OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- 28. NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS
- CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS
- 30. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.

SOIL COMPACTION NOTES FOR SLAB ON GRADE:

- EXCAVATE AS REQUIRED TO REMOVE VEGETATION & TOPSOIL EXPOSE UNDISTURBED NATURAL SUBGRADE AND PLACE CRUSHED STONE AS
- COMPACTION CERTIFICATION: AN INSPECTION AND WRITTEN CERTIFICATION BY A QUALIFIED GEOTECHNICAL TECHNICIAN OR ENGINEER IS ACCEPTABLE.
- COMPACTED WITH "COMPACTION EQUIPMENT", LISTED BELOW, TO AT LEAS 90% MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM D 1557 METHOD C.
- AS AN ALTERNATIVE TO ITEMS 2a AND 2b PROOFROLL THE SUBGRADE SOILS WITH 5 PASSES OF A MEDIUM SIZED VIBRATORY PLATE COMPACTOR (SUCH AS BOMAG BPR 30/38) OR HAND-OPERATED SINGLE DRUM /IBRATORY ROLLER (SUCH AS BOMAG BW 55E), ANY SOFT AREAS THAT ARE ENCOUNTERED SHOULD BE REMOVED AND REPLACED WITH A WELL-GRADED GRANULAR FILL, AND COMPACTED AS STATED ABOVE
- 3. COMPACTED SUBBASE SHALL BE UNIFORM & LEVELED. PROVIDE 6" MINIMUM CRUSHED STONE OR GRAVEL COMPACTED IN 3" LIFTS ABOVE COMPACTED SOIL. GRAVEL SHALL BE NATURAL OR CRUSHED WITH 100% PASSING 1" SIEVE.

COMPACTION EQUIPMENT:

HAND OPERATED DOUBLE DRUM, VIBRATORY ROLLER, VIBRATORY PLATE COMPACTOR OR JUMPING JACK COMPACTOR.

SYMBOLS

SOLID GROUND BUS BAR

SOLID NEUTRAL BUS BAR \longrightarrow SUPPLEMENTAL GROUND BAR



SINGLE-POLE THERMAL-MAGNETIC 60



CHEMICAL GROUND ROD

CIRCUIT BREAKER

 \otimes GROUND ROD DISCONNECT SWITCH

METER

CADWELD TYPE CONNECTION

COMPRESSION TYPE CONNECTION

GROUNDING WIRE **ABBREVIATIONS**

AGL ABOVE GRADE LEVEL

BTS BASE TRANSCEIVER STATION

(E) EXISTING

PROPOSED PROPOSED

MIN MINIMUM

N.T.S. NOT TO SCALE

REF REFERENCE

RADIO FREQUENCY

TYP TYPICAL

REQ REQUIRED

EGR EQUIPMENT GROUND RING AWG AMERICAN WIRE GAUGE

CRGB MASTER GROUND BAR (MASTER GROUND BAR)

EQUIPMENT GROUND

BCW BARE COPPER WIRE

SIAD SMART INTEGRATED ACCESS DEVICE

GEN GENERATOR

INTERIOR GROUND RING (HALO)

RBS RADIO BASE STATION

SYMBOLS & ABBREVIATIONS



8601 SIX FORKS RD., SUITE 250 RALEIGH, NC 27615 PHONE: 919-324-1943

ORANGE, CA 92876

PROJECT NO CA-1579 DRAWN BY ВС CHECKED BY JF

C 09/27/2018 CITY COMMENTS B 08/21/2018 LANDLORD DESIGN CHANGE 06/29/2018 100% ZDs DATE

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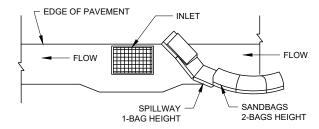
> > CA-1579 SAHARA DENTAL LA74763B 2005 W. HOLT AVE. POMONA, CA 91768 LOS ANGELES COUNTY

> > > SHEET TITLE

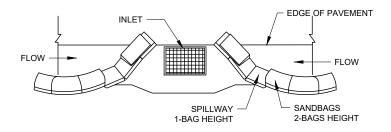
GENERAL NOTES

GN-1

STORM GRAIN INLET PROTECTION



TYPICAL PROTECTION FOR INLET WITH SINGLE FLOW DIRECTION



TYPICAL PROTECTION FOR INLET WITH OPPOSING FLOW DIRECTION

- 1. INTENDED FOR SHORT-TERM USE.
 2. USE TO INHIBIT NON-STORM WATER FLOW.
 3. ALLOW FOR PROPER MAINTENANCE AND CLEANUP.
 4. BAGS MUST BE REMOVED AFTER ADJACENT OPERATION IS COMPLETED.
 5. NOT APPLICABLE IN AREAS WITH HIGH SILTS AND CLAYS WITHOUT FILTER FABRIC.



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В	08/21/2018	LANDLORD DESIGN CHANGE	ОТ
0	06/29/2018	100% ZDs	BC
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REV	DATE	DESCRIPTION	BY

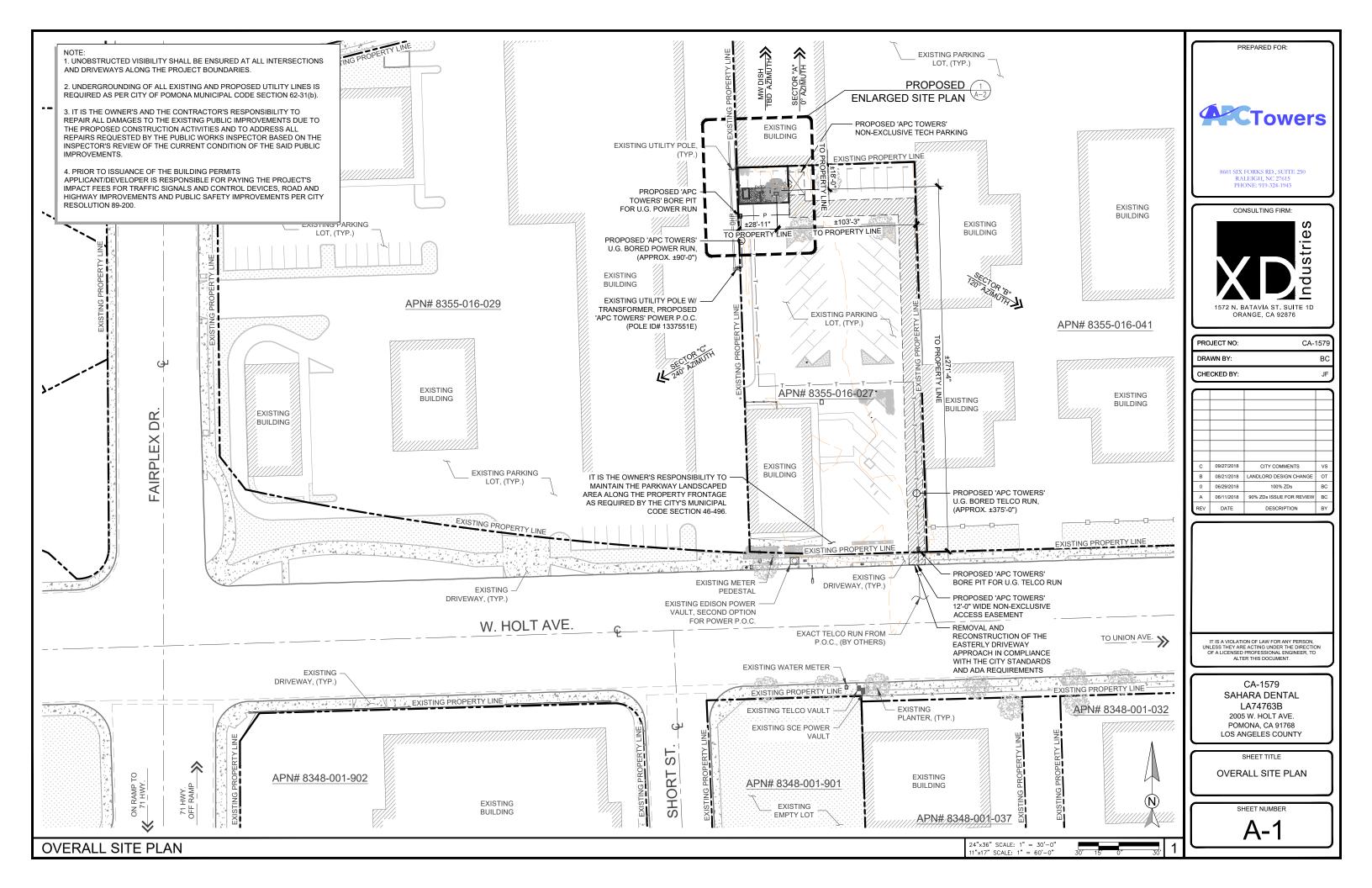
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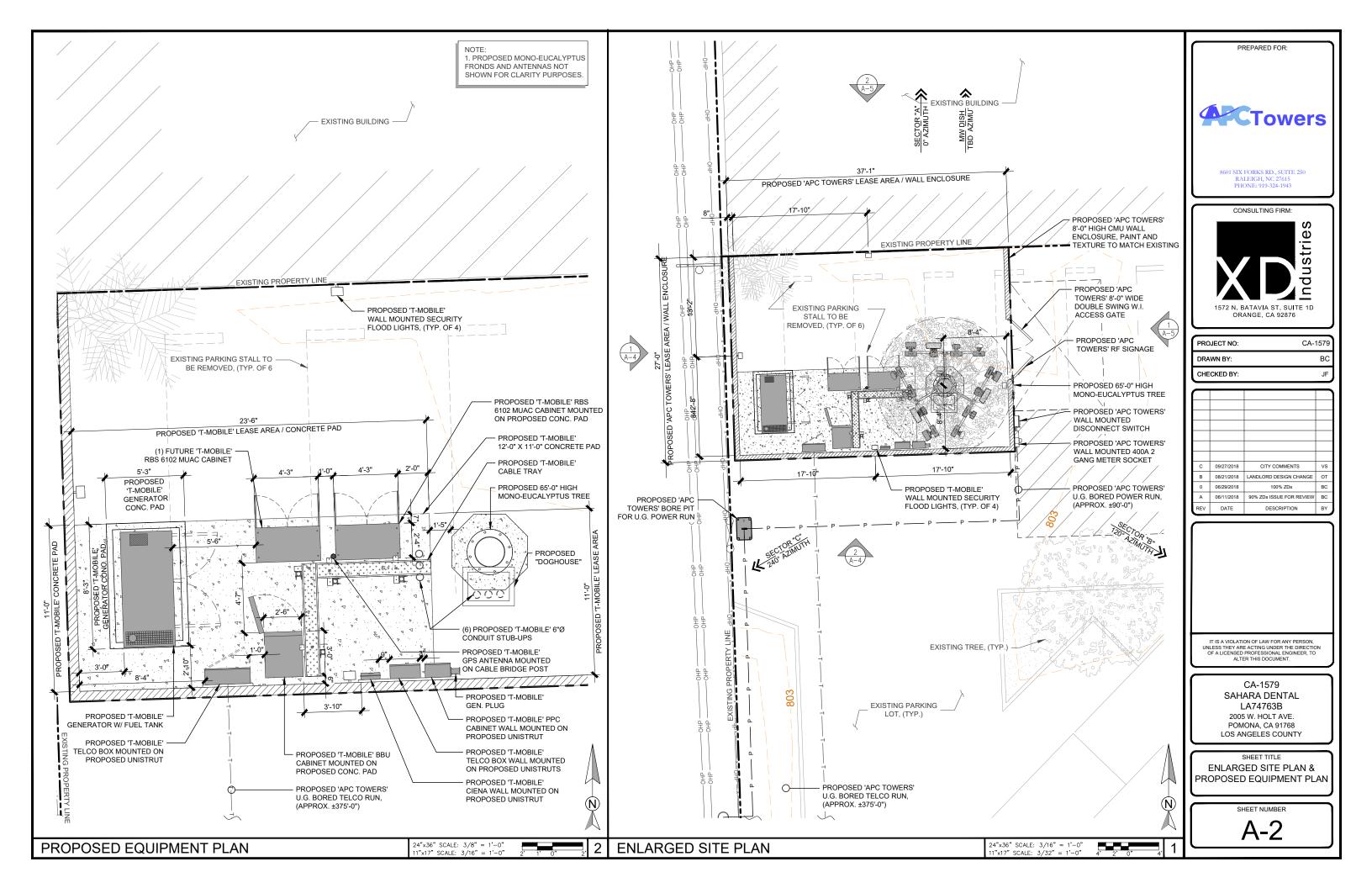
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SHEET TITLE

GENERAL NOTES

GN-2





10-07
PROPOSED T-MOBILE NITENA CROSS ARM
9-07
(TYP)
1-57
(TYP)
3-07
(TYP)
A2

4) PROPOSED T-MOBILE*
(1) PROPOSED T-MOBILE*
(1) PROPOSED T-MOBILE*
(1) PROPOSED T-MOBILE*
(2) PROPOSED T-MOBILE*
(3) SECTORS, (12) TOTAL

(4) PROPOSED T-MOBILE*
(5) SECTORS, (12) TOTAL

(5) SECTORS, (12) TOTAL

(6) PROPOSED T-MOBILE*
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(1) PROPOSED T-MOBILE*
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(3) SECTORS, (12) TOTAL

(4) PROPOSED T-MOBILE*
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(18) PROPOSED T-MOBILE*
(19) PROPOSED

- (1) FUTURE 'T-MOBILE' 8'-0" PANEL ANTENNA PER SECTOR, (3) SECTORS, (3) TOTAL

PROPOSED ANTENNA PLAN

OUTLINE OF PROPOSED MONO-EUCALYPTUS TREE FRONDS

SECT	OR	ANTENNA MODEL	ANTENNA LENGTH	RAD CENTER	AZIMUTH	TMA MODEL	RRH MODEL	ACTIVE TECHNOLOGY	JUMPER CABLE LENGTH	COAX CABLE TYPE	COAX/FIBER CABLE LENGTH
									(±5')		(±')
S.	A1	(P) ERICSSON - AIR3246 B66	96"	61"-0"	0°	-	(P) (1) RADIO 4415 B25	L2100/L2100/L2100/L2100	-	HYBRID	100'-0"
SECTOR	A2	(P) RFS - APXVAARR24_43-U-NA20	95.9"	61"-0"	0°	-	(P) (1) RADIO 4449 B71+B12	L700/L600/L700/L600	(4) 12'	-	-
≰	А3	(P) ANDREW - HBXX-6516DS-A2M	96"	61"-0"	0°	-	(P) (1) RADIO 4415 B25	U1900/L1900/U1900/L1900	(4) 12'	-	-
ALP	A4	FUTURE	-	-	-	-	(P) (1) RADIO 4415 B25	-	-	-	-
œ	B1	(P) ERICSSON - AIR3246 B66	96"	61"-0"	120°	-	(P) (1) RADIO 4415 B25	L2100/L2100/L2100/L2100	-	HYBRID	100'-0"
SECTOR	B2	(P) RFS - APXVAARR24_43-U-NA20	95.9"	61"-0"	120°	-	(P) (1) RADIO 4449 B71+B12	L700/L600/L700/L600	(4) 12'	-	-
BETA S	В3	(P) ANDREW - HBXX-6516DS-A2M	96"	61"-0"	120°	-	(P) (1) RADIO 4415 B25	U1900/L1900/U1900/L1900	(4) 12'	-	-
ä	В4	FUTURE	-	-	-	-	(P) (1) RADIO 4415 B25	-	-	-	-
GAMMA SECTOR	C1	(P) ERICSSON - AIR3246 B66	96"	61"-0"	240°	-	(P) (1) RADIO 4415 B25	L2100/L2100/L2100/L2100	-	HYBRID	100'-0"
	C2	(P) RFS - APXVAARR24_43-U-NA20	95.9"	61"-0"	240°	-	(P) (1) RADIO 4449 B71+B12	L700/L600/L700/L600	(4) 12'	-	-
	СЗ	(P) ANDREW - HBXX-6516DS-A2M	96"	61"-0"	240°	-	(P) (1) RADIO 4415 B25	U1900/L1900/U1900/L1900	(4) 12'	-	-
GA	C4	FUTURE	-	-	-	-	(P) (1) RADIO 4415 B25	-	-	-	-

IMPORTANT NOTES: INSTALLER TO VERIFY CURRENT RFDS SHEET PRIOR TO INSTALLATION.

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CA-1579
SAHARA DENTAL
LA74763B
2005 W. HOLT AVE.
POMONA, CA 91768
LOS ANGELES COUNTY

PROPOSED ANTENNA PLAN & ANTENNA SCHEDULE

SHEET NUMBE

A-3

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

