

Attachment 1

APPROVAL OF AMENDMENT NO. 1 TO AN AGREEMENT BETWEEN THE CITY OF BEVERLY HILLS AND NEW CINGULAR WIRELESS PLC, LLC (dba AT&T MOBILITY) FOR ALTERATIONS TO AN EXISTING AT&T MACRO INSTALLATION ON OLYMPIC BOULEVARD AT PECK DRIVE

This Amendment No. 1, dated _____, 2014, amends that certain agreement (“Agreement”), entitled, “Permit to Install Wireless Telecommunication Antennas on Light Standard/Poles and Vaults for Supporting Equipment,” and dated September 19, 2006, between the City of Beverly Hills, a California municipal corporation (“City”) and New Cingular Wireless, LLC, a Delaware Limited Liability Company (“Cingular”).

RECITALS

- A. City and Cingular are parties to the Agreement, pursuant to which Cingular maintains Antennas on City property.
- B. City and Cingular wish to amend the Agreement as provided herein.

AMENDMENT

NOW, THEREFORE and in consideration of the mutual covenants and promises herein set forth, the parties agree to amend the Agreement as follows:

Section 1. Exhibit A to the Agreement is hereby replaced in its entirety with a new Exhibit A, which is attached to this Amendment No. 1. Cingular shall replace its existing Antennas in accordance with the new Exhibit A. Upon completion of the replacement, Cingular must provide City with as-built pictures in the manner required for its initial improvements pursuant to Section 5 of the Agreement.

Section 2. As of the Effective Date of this Amendment No. 1, the Permit Fee shall be \$5,910, prorated for the current year. In subsequent years, the Permit Fee shall be subject to annual CPI adjustments in the manner required by Section 9 of the Agreement.

Section 3. The Effective Date of this Amendment shall be 90 days from the date it is approved by the Beverly Hills City Council.

Section 4. Cingular’s addresses for notice purposes are amended as follows:

New Cingular Wireless PCS, LLC
Attn: Network Real Estate Administration
Re: Cell Site #: LA0648
Cell Site Name: Peck Light Pole (CA)
Fixed Asset No.: 10105689
575 Morosgo Drive NE
Suite 13-F, West Tower
Atlanta, GA 30324

With a required copy to:

AT&T Legal Department – Network
Attn: Network Counsel
Re: Cell Site #: LA0648
Cell Site Name: Peck Light Pole (CA)
Fixed Asset No.: 10105689
208 S. Akard Street
Dallas, Texas 75202-4206

Section 5. Except as expressly amended by this Amendment No. 1, all other terms and provisions of the Agreement shall remain in full force and effect.

[Signature block appears on the following page.]

IN WITNESS WHEREOF, the parties hereto have executed this License to Install Wireless Telecommunications Antennas on Light Standards/Poles and Cabinets for Supporting Equipment as of the date first above written.

CITY: CITY OF BEVERLY HILLS, a municipal corporation

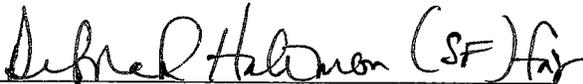
Lili Bosse, Mayor

ATTEST:

Byron Pope, City Clerk

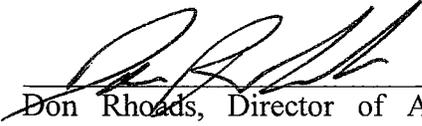
APPROVED AS TO FORM:

APPROVED AS TO CONTENT

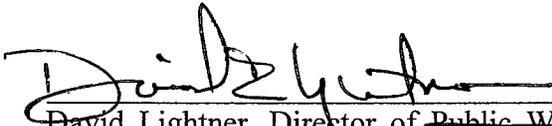


Laurence S. Wiener, City Attorney

Jeffrey C. Kolin, City Manager



Don Rhoads, Director of Administrative Services



David Lightner, Director of ~~Public Works~~
Capital Assets/Deputy City Manager



Mark Cuneo, City Engineer

CINGULAR:

NEW CINGULAR WIRELESS PCS, LLC
a Delaware limited liability company, dba
AT&T Mobility

By: AT&T Mobility Corporation
Its: Manager

By:  7/15/14

Name: MARK RIVERA

Its: REAL ESTATE & CONSTRUCTION

**EXHIBIT A
AMENDMENT NO. 1
AGREEMENT NO. 353-06**



PECK LIGHT POLE LA0648

FA # 10105689
CASPR ID # 3551664444
NODE ID CLU501
AGREEMENT # 353-06
 403 S PECK DR
 BEVERLY HILLS, CA 90212
 LOS ANGELES COUNTY

LOS ANGELES MARKET



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

BUILDING/IRVING/LINING CODE CALIFORNIA BUILDING CODE 2013
 STRUCTURAL CODE CALIFORNIA BUILDING CODE 2013
 PLUMBING CODE CALIFORNIA PLUMBING CODE 2013
 MECHANICAL CODE CALIFORNIA MECHANICAL CODE 2013
 ELECTRICAL CODE CALIFORNIA ELECTRICAL CODE 2013
 FIRE/LIFE SAFETY CODE CALIFORNIA FIRE CODE 2013

ACCESSIBILITY REQUIREMENTS:

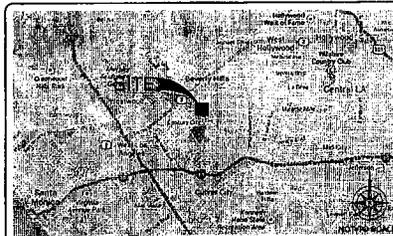
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2008 IBC BUILDING CODE.

CODE BLOCK

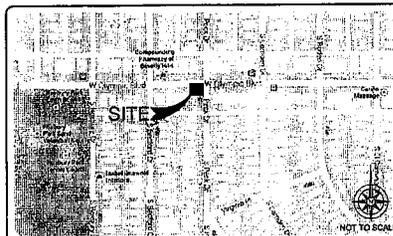
AT&T PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY AS FOLLOWS:

- REMOVE (2) EXISTING 2 PANEL ANTENNAS
- INSTALL (2) PROPOSED 4 PANEL ANTENNAS
- REPLACE EXISTING ROWDOWE TO ACCOMMODATE NEW ANTENNAS

PROJECT DESCRIPTION



VICINITY MAP



LOCAL MAP

STARTING FROM AT&T OFFICE, 12900 PARK PLAZA DRIVE, CERRITOS, CA 90703:

- HEAD EAST ON PARK PLAZA DR TOWARD SHOEMAKER AVE 358 FT
 - TURN LEFT ONTO SHOEMAKER AVE 0.4 MI
 - TURN LEFT ONTO ARTESIA BLVD 0.1 MI
 - TAKE THE RAMP ONTO CA 61 W 2.1 MI
 - TAKE THE EXIT ONTO I 405 N 2.1 MI
 - TAKE THE EXIT ONTO I 405 W 16.3 MI
 - TAKE THE EXIT ONTO I 405 N TOWARD SANTA MONICA 8.2 MI
 - TAKE THE NATIONAL BLVD EXIT 0.2 MI
 - TURN RIGHT ONTO NATIONAL BLVD 278 FT
 - TAKE THE 1ST LEFT ONTO S SEPULVEDA BLVD 1.0 MI
 - TURN RIGHT ONTO W OLYMPIC BLVD 2.5 MI
 - TURN RIGHT ONTO S PECK DR 95 FT
- DESTINATION WILL BE ON THE RIGHT

DRIVING DIRECTIONS

APPLICANT:
 ERICSSON ON BEHALF OF AT&T
 330 COMMERCIAL STE. 200
 IRVINE, CA 92602
 CONTACT: JUSTIN RYNEARSON
 PHONE #: (760) 412-1492

PROPERTY INFORMATION:
 CITY OF BEVERLY HILLS
 PROPERTY OWNER:

ZONING CLASSIFICATION: T8D
CONSTRUCTION TYPE: IIB
OCCUPANCY: S-2
JURISDICTION: CITY OF BEVERLY HILLS
POWER COMPANY: SCE
TELCO COMPANY: SBC

COORDINATES:
 LATITUDE: 34°03' 34.57" N (NAD 83)
 LONGITUDE: 118°24' 12.9" W (NAD 83)

PARCEL NUMBER(S)
 RIGHT-OF-WAY

PROJECT SUMMARY

ARCHITECT:
 THOMAS R. HOLLAND, AIA
 PACIFIC TELECOM SERVICES, LLC
 3190C AIRPORT LOOP DRIVE
 COSTA MESA, CA 92626
 CONTACT: FABIAN ROSALES
 PH: (818) 378-8201
 EMAIL: FROSAL@PTSWA.COM

SITE ACO PROJECT MANAGER:
 ERICSSON
 330 COMMERCIAL STE. 200
 IRVINE, CA 92602
 CONTACT: GARY CASSEL
 PHONE: (800) 762-8909
 EMAIL: GARY.CASSEL@ERICSSON.COM

CONSTRUCTION MANAGER:
 ERICSSON
 330 COMMERCIAL STE. 220
 IRVINE, CA 92602
 CONTACT: JAY SWAN
 PHONE: (949) 413-0708
 EMAIL: JAY.SWAN@ERICSSON.COM

ANTENNA MANUFACTURER:
 COMMUNICATION COMPONENTS INC.
 89 LEUNING STREET
 SOUTH HACKENSACK, NJ 07066
 PHONE: (201) 342-3300

PROJECT TEAM

RF MANAGER:
 AT&T
 12900 PARK PLAZA DRIVE
 CERRITOS, CA 90703
 CONTACT: JAWAD AHMED
 PHONE #: T8D
 EMAIL: JAR28X@ATT.COM

STRUCTURAL ENGINEER:
 BKS ENGINEERING, INC.
 15008 ESPOLA ROAD #8
 POWAY, CA 92064
 CONTACT: SAMSON ENGEDA
 PHONE #: (668) 395-7388
 EMAIL: ENGEDA@GMAIL.COM

DO NOT SCALE DRAWINGS

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

SHEET	DESCRIPTION
T-1	TITLE SHEET
S-1	GENERAL NOTES & SYMBOLS
A-1	SITE PLAN
A-2	EXISTING CEAH FLOOR LAYOUT
A-3	EXISTING & PROPOSED ANTENNA PLAN
A-4	EXISTING & PROPOSED POLE ELEVATION
A-6	PROPOSED RF SCHEDULE & DETAILS
E-1	PROPOSED GROUNDING SCHEMATIC & DETAILS
E-2	PROPOSED SINGLE-LINE DIAGRAM
TCP-1	TRAFFIC CONTROL PLAN

SHEET INDEX



Know what's below.
CALL before you dig.

CALL AT LEAST TWO WORKING DAYS BEFORE YOU DIG



IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE ARCHITECT OR RECORDS TO ALTER THIS DOCUMENT

**PECK LIGHT POLE
LA0648**
 403 S PECK DR
 BEVERLY HILLS, CA 90212
 CASPR ID # 3551664444

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE SHOULD BE NOT HAND FOR REDUCED OR ENLARGED SHEET SIZE.

GENERAL NOTES:

- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND NETWORK CARRIER OF ANY ERRORS, OMISSIONS, OR INCONSISTENCIES AS THEY MAY BE DISCOVERED IN PLANS, DOCUMENTS, NOTES, OR SPECIFICATIONS, PRIOR TO STARTING CONSTRUCTION INCLUDING, BUT NOT LIMITED BY, DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING AN ERROR, OMISSION, OR INCONSISTENCY AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF ARCHITECT AND NETWORK CARRIER CONSTRUCTION PROJECT MANAGER AND SHALL INCUR ANY EXPENSES TO RECTIFY THE SITUATION. THE MEANS OF CORRECTING ANY ERROR SHALL FIRST BE APPROVED BY ARCHITECT AND NETWORK CARRIER CONSTRUCTION PROJECT MANAGER.
- PRIOR TO THE SUBMISSION OF BIDS, CONTRACTORS INVOLVED SHALL VISIT THE JOB SITE TO FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED PROJECT. CONTRACTORS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND THE CONTRACTOR HAVING BEEN AWARDED THIS PROJECT SHALL VISIT THE CONSTRUCTION SITE WITH THE ARCHITECT/ENGINEER TO VERIFY FIELD CONDITIONS AND CONFIRM THAT THE PROJECT WILL BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY ERRORS, OMISSIONS, OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER VERBALLY AND IN WRITING.
- THE ARCHITECTS/ENGINEERS HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. CONTRACTORS BIDDING THE JOB ARE NEVER-LESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE NETWORK CARRIER PROJECT SCOPE AND THE INTENT OF THESE DOCUMENTS. THE BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE ARCHITECT/ENGINEER OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO SUBMISSION OF CONTRACTOR'S PROPOSAL. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED OTHERWISE.
- 11x17 COPIES OF DRAWINGS ARE NOT TO BE SCALED DUE TO RESTRICTIONS IN THE SIZE OF REPROGRAPHIC COPIES. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALES SHOWN ON PLANS.
- OWNER, CONTRACTOR, AND NETWORK CARRIER REPRESENTATIVE SHALL REVIEW AND CONFIRM THAT PROJECT SCOPE, DESIGN INTENT AND UTILITY COORDINATION ITEMS ARE INCLUDED IN THE DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION FROM NETWORK CARRIER REPRESENTATIVE TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PERFORM WORK DURING OWNER'S PREFERRED HOURS TO AVOID DISTURBING NORMAL BUSINESS OR TENANTS.
- THE CONTRACTOR SHALL PROVIDE NETWORK CARRIER PROPER INSURANCE CERTIFICATES NAMING NETWORK CARRIER AS ADDITIONAL INSURED AND PROVIDING NETWORK CARRIER PROOF OF LICENSE(S) INCLUDING P & O INSURANCE.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- ALL WORK PERFORMED ON THE PROJECT ALONG WITH ALL MATERIALS INSTALLED, SHALL COMPLY IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL UNLESS ISSUE NOTICE TO ALL SUB-CONTRACTORS THAT THEY SHALL COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPALITY, UTILITY COMPANY AND LOCAL/STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.
- A COPY OF THE GOVERNING AGENCY ISSUED AND APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW, SHALL BE AVAILABLE AT THE JOB SITE FOR INSPECTION AT ALL TIMES. THE ORIGINAL PERMIT SET PLANS ARE NOT TO BE USED BY THE WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT THE SAME INFORMATION AS GOVERNING AGENCY APPROVED PLANS. THE CONTRACTOR SHALL ALSO MAINTAIN ONE SET OF PLANS, IN GOOD CONDITION, COMPLETE WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES UNDER THE DIRECT CARE OF THE SUPERINTENDENT. THE CONTRACTOR SHALL SUPPLY THE NETWORK CARRIER CONSTRUCTION PROJECT MANAGER WITH A COPY OF ALL REVISIONS, ADDENDA, AND/OR CHANGE ORDERS AT THE CONCLUSION OF THE WORK AS A PART OF THE AS-BUILT DRAWING RECORDS.
- THE STRUCTURAL COMPONENTS OF ADJACENT CONSTRUCTION ON FACILITIES ARE NOT TO BE ALTERED BY THIS CONSTRUCTION PROJECT UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL STUDY THE STRUCTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING PLANS AND CROSS CHECK THEIR DETAILS, NOTES, DIMENSIONS, AND ALL REQUIREMENTS PRIOR TO THE START OF ANY WORK. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE JOB SITE WHILE WORK IS IN PROGRESS UNTIL THE JOB IS COMPLETE.
- ALL EXISTING CONSTRUCTION, EQUIPMENT, AND FINISHES NOT TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND WILL BE REMOVED FROM THE SITE WITH THE FOLLOWING EXCEPTIONS:
 - PROPERTY NOTED TO BE RETURNED TO THE OWNER.
 - PROPERTY NOTED TO BE REMOVED BY THE OWNER.
- THE GOVERNING AGENCIES, CODE AUTHORITIES, AND BUILDING INSPECTORS SHALL PROVIDE REVISIONS FOR STANDARDS FOR CONSTRUCTION TECHNIQUES, MATERIALS, AND FINISHES USED THROUGHOUT THE PROJECT. TRADE STANDARDS AND/OR PUBLISHED MANUFACTURER'S SPECIFICATIONS MEETING OR EXCEEDING DESIGN REQUIREMENTS SHALL BE USED FOR INSTALLATION.
- WHEN ROOF TOP OR TOP FLOOR DECK TEMPORARY STAGING IS REQUIRED, MATERIALS SHALL BE EVENLY DISTRIBUTED OVER ROUGH FRAMED FLOORS OR ROOFS SO AS NOT TO EXCEED THE DESIGNED LIVE LOADS FOR THE STRUCTURE. TEMPORARY SHORING AND/OR BRACING IS TO BE PROVIDED WHERE THE FLOOR DOESN'T HAVE THE DESIGN STRENGTH FOR ADDITIONAL LOADING.
- SEAL ALL PENETRATIONS WITH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHALL APPROVED MATERIALS IF APPLICABLE TO THE SUBJECT FACILITY AND/OR PROJECT SITE.
- BUILDING INSPECTORS AND/OR OTHER BUILDING OFFICIALS ARE TO BE NOTICED PRIOR TO ANY GROUND DISTURBANCE, CONSTRUCTION, AND ANY OTHER PROJECT EFFORT AS MANAGED BY THE GOVERNING AGENCY.
- CONTRACTOR TO PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF PROJECT AREA DURING CONSTRUCTION.
- CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, CASEMENTS, PAVING, CURBING, DURING CONSTRUCTION UPON COMPLETION OF WORK. CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ADJACENT TO THE PROPERTY.
- CONTRACTOR SHALL KEEP GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION DISPOSING OF ALL DIRT, DEBRIS, AND RUBBISH. CONTRACTOR SHALL REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OR PREMISES. SITE SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, OIL, OR SPILLS OF ANY NATURE.
- NEW CONSTRUCTION INSTALLED ADJACENT EXISTING BUILDINGS OR CONSTRUCTION SHALL ARCHITECTURALLY MATCH THE EXISTING IN TERMS OF COLOR, TEXTURE, FINISH MATERIALS, ETC. EXCEPT AS NOTED IN THE PLANS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BACKING, BLOCKING, AND/OR OTHER ANCHORAGE DEVICES REQUIRED FOR THE INSTALLATION OF FIXTURES, MECHANICAL EQUIPMENT, PLUMBING, HARDWARE, AND FINISH ITEMS TO INSURE A PROPER AND CODE COMPLIANT INSTALLATION.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING INSTALLATIONS THAT ARE CONSTRUCTED LEVEL, ERRECT, EVENLY ALIGNED, PLUMB AND TRUE BASED ON THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL COMPARE EXISTING CONDITIONS WITH THE PROPOSED DESIGN PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES OR INCONSISTENCIES TO THE NETWORK CARRIER'S REPRESENTATIVE AND FURTHER TO THE A/E SUCH THAT THE NEW INSTALLATION WILL MAINTAIN THE LEVEL, ERRECT, EVENLY ALIGNED, PLUMB AND TRUE. ARCHITECT AND NETWORK CARRIER SHALL BE NOTIFIED OF ANY ERRORS, OMISSIONS, OR INCONSISTENCIES PRIOR TO ANY CONSTRUCTION.
- THE CONTRACTOR IS TO PROVIDE PROTECTION FOR ADJACENT PROPERTIES FROM PHYSICAL HARM, NOISE, DUST, DIRT, AND FIRE AS REQUIRED BY THE GOVERNING AGENCIES.
- WHERE SPECIFIED, MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AND/OR REVISIONS AVAILABLE AS REQUIRED BY THE GOVERNING AGENCY RESPONSIBLE FOR RECORDING THE RESULTS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE STORAGE OF ALL MATERIALS AND SHALL NOT STORE OR STAGE MATERIALS ON PUBLIC PROPERTY WITHOUT A PERMIT TO DO SO FROM THE GOVERNING AGENCIES FOR THIS PURPOSE.
- GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN ALL CONDITIONS UNLESS ILLUSTRATED AND NOTED OTHERWISE.
- TRADES INVOLVED IN THE PROJECT SHALL BE RESPONSIBLE FOR THEIR OWN CUTTING, FITTING, PATCHING, ETC., SO AS TO BE PREPARED PROPERLY BY THE WORK OF OTHER TRADES.
- ALL DEBRIS AND REFUSE SHALL BE REMOVED FROM THE PROJECT PREMISES AND LEFT IN A CLEAN SWEEP CONDITION AT ALL TIMES BY EACH TRADE AS THEY PERFORM THEIR OWN PORTION OF THE WORK.
- NETWORK CARRIER DOES NOT GUARANTEE ANY PRODUCTS, FIXTURES, AND/OR ANY EQUIPMENT NAMED BY A TRADE OR MANUFACTURER. GUARANTEE OR WARRANTY THAT MAY BE IN EFFECT IS DONE THROUGH THE COMPANY OR MANUFACTURER PROVIDING THE PRODUCT, FIXTURE, AND/OR EQUIPMENT UNLESS SPECIFIC RESPONSIBILITY IS ALSO PROVIDED BY THE CONTRACTOR/SUBCONTRACTOR IN WRITTEN FORM.
- CAUTION! CALL BEFORE YOU DIG! BURIED UTILITIES EXIST IN THE AREA AND UTILITY INFORMATION SHOWN MAY NOT BE COMPLETE. CONTACT THE ONE-CALL UTILITY LOCATE SERVICE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.
- WHEN APPLICABLE, CONTRACTOR IS RESPONSIBLE TO CALL, COORDINATE AND MAKE ARRANGEMENTS FOR R.O.W. AND/OR PRIVATE PROPERTY LOCATES BASED ON SPECIFIC SITE REQUIREMENTS.
- SEE CIVIL DRAWINGS FOR ADDITIONAL SITE INFORMATION AS APPLICABLE.
- CONTRACTORS TO DOCUMENT ALL WORK PERFORMED WITH PHOTOGRAPHS AND SUBMIT TO NETWORK CARRIER'S REPRESENTATIVE ALONG WITH REDLINED CONSTRUCTION SET.
- CONTRACTOR SHALL DOCUMENT ALL CHANGES MADE IN THE FIELD BY MARKING UP (REDLINING) THE APPROVED CONSTRUCTION SET AND SUBMITTING THE REDLINES ALONG WITH PHOTOGRAPHS PER NETWORK CARRIER REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE AND SEEK APPROVAL OF ALL POWER DRAW, INSTALLATION AND/OR MODIFICATIONS WITH POWER COMPANY, OWNER AND JURISDICTION AS REQUIRED. CONTRACTOR SHALL REPORT POWER INSTALLATION SOLUTION(S) TO NETWORK CARRIER REPRESENTATIVE, PROJECT CONSTRUCTION MANAGER AND ARCHITECT.
- ANY SUBSTITUTIONS OF MATERIALS AND/OR EQUIPMENT, MUST BE APPROVED BY NETWORK CARRIER CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REMEDY ALL FACILITY, INTERIOR AND/OR IMPROPER MATERIALS, DAMAGED GOODS, AND/OR FACILITY WORKMANSHIP FOR ONE (1) YEAR AFTER THE PROJECT IS COMPLETE ACCEPTING UNDER THIS CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR. EXCEPTION: THE ROOFING SUBCONTRACTOR SHALL FURNISH A MAINTENANCE AGREEMENT FOR ALL WORK DONE, COSIGNED BY THE CONTRACTOR, TO MAINTAIN THE ROOFING IN A WATER-TIGHT CONDITION FOR A PERIOD OF TWO (2) YEARS STARTING AFTER THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT, UNLESS OTHERWISE WRITTEN IN THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR THE SAFETY OF THE OWNER'S EMPLOYEES AND WORKMEN, AND ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.
- THE CONTRACTOR SHALL BE REQUIRED TO PAY FOR ALL NECESSARY PERMITS AND/OR FEES WITH RESPECT TO THE WORK TO COMPLETE THE PROJECT. SUCH PERMITS AND/OR FEES SHALL NOT BE PAID BY THE OWNER OR HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN PERMIT (UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE) AND MAKE FINAL PAYMENT FOR SAID DOCUMENT(S).
- NETWORK CARRIER'S REPRESENTATIVE SHALL REVIEW AND APPROVE SHOP DRAWINGS AND SAMPLES FOR CONFORMANCE WITH DESIGN CONCEPT.
- CONTRACTOR SHALL PROVIDE HEAVY STEEL PLATES AT OPEN TRENCHES FOR SAFETY AND TO PROTECT EXISTING GROUND SURFACES FROM HEAVY EQUIPMENT UTILIZED DURING CONSTRUCTION.
- CONTRACTOR SHALL PATCH AND REPAIR ALL GROUND SURFACES WITHIN THE CONSTRUCTION AREA AS NECESSARY TO PROVIDE A UNIFORM SURFACE AND MAINTAIN EXISTING SURFACE DRAINAGE SLOPES.
- CONTRACTOR SHALL REPLACE EXISTING LANDSCAPE VEGETATION DAMAGED DUE TO CONSTRUCTION ACTIVITIES, AND REPAIR, RESTORE AND MOODY EXISTING IRRIGATION LINES IF NECESSARY TO OPERATING CONDITION, PROVIDING FULL COVERAGE TO IMPACTED AREAS.
- IN THE CASE OF ROOFTOP SOLUTIONS FOR EQUIPMENT AND/OR ANTENNA FRAMES WHERE PENETRATING ROOFING MATERIALS REQUIRED, CONTRACTOR SHALL COORDINATE WITH BUILDING OWNER TO OBTAIN CONTACT INFORMATION AND UTILIZE THE EXISTING ROOFING CONTRACTOR OF RECORD FOR INSTALLATION, REPAIR OR ANY ALTERATION TO THE ROOF, AND HAVING THE WORK GUARANTEED UNDER THE ROOFING CONTRACTOR'S EXISTING WARRANTY ENSURING 100% MOISTURE PROTECTION.
- IN THE CASE OF ROOFTOP SOLUTIONS WITH THE INSTALLATION OF ANTENNAS WITHIN CONCRETE (SHROUDED) SUPPORT FRAMES OR TRUSS, CONTRACTOR SHALL COORDINATE WITH THE FRP DESIGNER/FABRICATOR TO ENSURE THAT THE FINAL FRP SHROUD IS SIMULATING (IN APPEARANCE) EXISTING EXTERIOR BUILDING FACADE MATERIALS, TEXTURES, AND COLORS. THE CONTRACTOR SHALL FURTHERMORE ENSURE THE USE OF COUNTERSUNK OR FLATHEAD FASTENERS IN ALL FRP CONSTRUCTION. WHEN PHOTOINSULATIONS ARE PROVIDED, THE CONTRACTOR SHALL ENSURE THAT FINAL CONSTRUCTION REPRESENTS WHAT IS INDICATED IN PHOTOINSULATION SHOP DRAWINGS SHALL BE PROVIDED TO THE CONTRACTOR, CONSTRUCTION COORDINATOR, AND ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION.
- IN THE CASE OF ROOFTOP SOLUTIONS FOR EQUIPMENT AND/OR ANTENNA FRAMES WHERE ANCHORING TO AN EXISTING CONCRETE ROOF SLAB IS REQUIRED, CONTRACTORS SHALL CONFIRM (PRIOR TO SUBMITTING BID) WITH CONSULTING CONSTRUCTION COORDINATOR AND ARCHITECT THE PRESENCE OF POST TENSION TENDONS WITHIN THE ROOF SLAB RESULTING FROM AN UNDOCUMENTED DESIGN CHANGE IN THE EXISTING BUILDING "AS-BUILT DRAWING SET" HAVING INDICATED AN ORIGINAL DESIGN SOLUTION OF REINFORCED CONCRETE W/ ENCASED STEEL REBAR. IN THE EVENT POST TENSION SLAB SOLUTION IS PRESENT, CONTRACTOR SHALL INCLUDE PROVISIONS FOR X-RAY PROCEDURES (INCLUDED IN BID) FOR ALL PENETRATION AREAS WHERE ANCHORING OCCURS.
- GENERAL & SUB CONTRACTORS SHALL USE STAINLESS STEEL METAL LOCKING TIES FOR ALL CABLING THE DOWNS AND ALL OTHER GENERAL TIE DOWNS (WHERE APPLICABLE). PLASTIC ZIP TIES SHALL NOT BE PERMITTED FOR USE ON TOWER NETWORK CARRIER PROJECTS. RECOMMENDED MANUFACTURER SHALL BE: PANOUT CORP. METAL LOCKING TIES MODEL NO. ML145-CP UNDER SERIES-304 (OR EQUAL). PANOUT PRODUCT DISTRIBUTED BY TRARC.
- CONTRACTOR SHALL OBTAIN, REVIEW AND EXECUTE ALL NETWORK CARRIER CONSTRUCTION STANDARDS (MOST RECENT REVISION) AS A PART OF THIS BID AND CONSTRUCTION PROJECT.
- CONTRACTOR SHALL OBTAIN, REVIEW AND EXECUTE ALL NETWORK CARRIER CONSTRUCTION STANDARDS (MOST RECENT REVISION) AS A PART OF THIS BID AND CONSTRUCTION PROJECT.
- CONTRACTOR SHALL BE RESPONSIBLE TO SET ELECTRONIC TILTS FOR NEWLY INSTALLED ANTENNAS UNDER THE CONDITION THAT THE CONTRACTOR OBTAIN THE MOST RECENT COPY OF THE RF TILT INFORMATION SUCH THAT THE ACCURATE CONTROLLER CAN BE ORDERED AND INSTALLED.
- A STRUCTURAL ANALYSIS SHALL BE COMPLETED AND SUBMITTED TO THE NETWORK CARRIER REPRESENTATIVE AND CONTRACTOR DEMONSTRATING CAPACITY AT THE EXACT LOCATION OF EXISTING CONDITIONS TO SUSTAIN ADDITIONAL HEAVY BATTERY CABINETS OR OTHER OUT OF SCOPE EQUIPMENT.
- THE CONTRACTOR SHALL PROVIDE MATERIALS LIST (BOM) TO THE NETWORK CARRIER REPRESENTATIVE PRIOR TO CONSTRUCTION.

CALIFORNIA SPECIFIC CODE COMPLIANCE NOTES:

- WHEN COMPLETED, THE SUBJECT PROJECT SHALL COMPLY WITH LOCAL SPECIFIC CODES.
- WHEN COMPLETED, THE SUBJECT PROJECT SHALL COMPLY WITH THE CALIFORNIA ENERGY CODE, TITLE-24 ENERGY CONSERVATION REQUIREMENTS.

SYMBOLS:

- GRID REFERENCE
- DETAIL REFERENCE
- ELEVATION REFERENCE
- SECTION REFERENCE
- CENTERLINE
- PROPERTY/LEASE LINE
- MATCH LINE
- WORK POINT
- GROUND CONDUCTOR
- TELEPHONE CONDUIT
- ELECTRICAL CONDUIT
- COAXIAL CABLE
- OVERHEAD SERVICE CONDUCTORS
- POWER CONDUIT
- GROUT OR PLASTER
- (E) BRICK
- (E) MASONRY
- CONCRETE
- EARTH
- GRAVEL
- PLYWOOD
- SAND
- WOOD CONTINUOUS
- WOOD BLOCKING
- STEEL
- NEW
- EXISTING
- NEW ANTENNA
- EXISTING ANTENNA
- GROUND ROD
- GROUND BUS BAR
- MECHANICAL GRD. CONN.
- CADWELD
- GROUND ACCESS WELL
- ELECTRIC BOX
- LIGHT BOX
- LIGHT POLE MOUNTMENT
- SPOT ELEVATION
- SET POINT
- REVISION



12900 MARK PLAZA DRIVE
CERRITOS, CA 90703

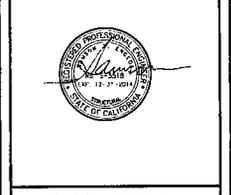


330 COMMERCIAL STE. 200
IRVINE, CA 92614



31900 AIRPORT LOOP DRIVE
COSTA MESA, CA 92626

NO.	DATE	DESCRIPTION	BY
2	07/16/04	ISSUED FOR TOWER CD	FR
1	06/10/04	ISSUED FOR TOWER CD	FR
6	06/29/04	ISSUED FOR TOWER CD	FR
8	06/29/04	ISSUED FOR TOWER CD	FR
4	05/10/04	ISSUED FOR WB CD	FR



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PECK LIGHT POLE LA0648
403 S PECK DR
BEVERLY HILLS, CA 90242
CASPR ID # 355168444

SHEET TITLE
GENERAL NOTES & SYMBOLS

SHEET NUMBER
G-1

NOTE: THE ORIGINAL SIZE OF THIS PLANS IS 24" X 36". SCALE MATRIS IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES.



12901 PARK PLAZA DRIVE
CERRITOS, CA 90703



330 COMMERCE ST. 200
IRVINE, CA 92602



3199C AIRPORT LOOP DR/MT
COSTA MESA, CA 92626

REV	DATE	DESCRIPTION	BY
2	05/18/2014	ISSUED FOR 100% CD	FR
1	05/14/2014	ISSUED FOR 100% CD	FR
0	04/29/2014	ISSUED FOR 100% CD	FR
0	02/26/2014	ISSUED FOR 100% CD	FR
A	02/14/2014	ISSUED FOR 80% CD	WJR



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**PECK LIGHT POLE
LA0648**
403 S PECK DR
BEVERLY HILLS, CA 90212
CASPR ID # 3551664444

SHEET TITLE

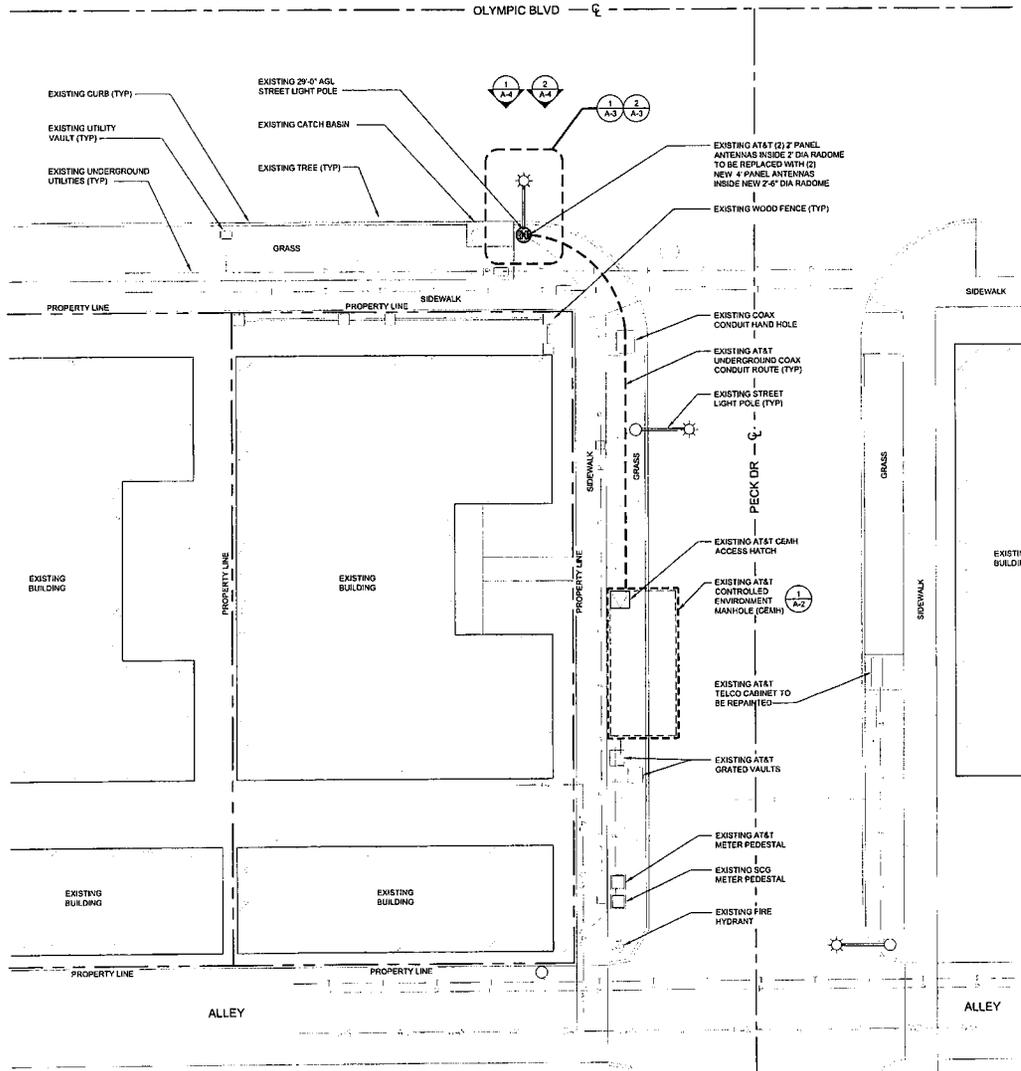
SITE PLAN

SHEET NUMBER

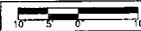
A-1

DISCLAIMER
THESE DRAWINGS WERE PRODUCED WITHOUT THE BENEFIT OF A CURRENT LAND SURVEY. ALL PROPERTY LINES, EASEMENTS, SETBACKS AND EXISTING CONDITIONS SHALL BE VERIFIED PRIOR TO START OF CONSTRUCTION. PTS DOES NOT GUARANTEE THE ACCURACY OF SAID PROPERTY LINES, EASEMENTS, ROADS, SETBACKS AND EXISTING CONDITIONS.

NOTE:
1. PROPOSED AT&T ANTENNA RADOME TO BE PAINTED TO MATCH EXISTING LIGHTPOLE.
2. VERIFICATION THAT THE POLE AND MOUNTING ATTACHMENT CAN SUPPORT THE PROPOSED ANTENNA LOADING WAS COMPLETED BY SAMSON ENCOA OF SKS ENGINEERING, INC.



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

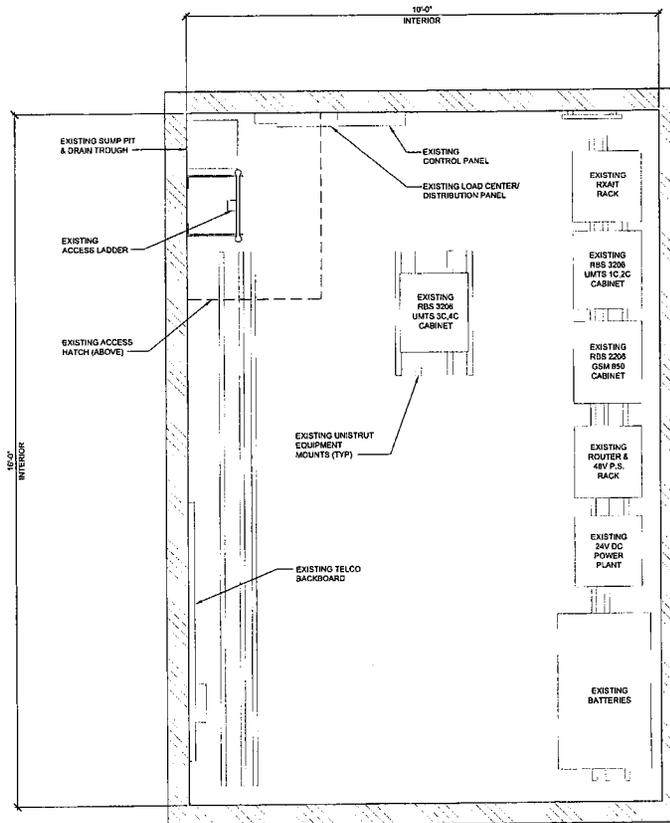


1

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24"x36". SCALE RATIO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES.

SITE PLAN

NOTE:
NO PROPOSED MODIFICATION(S) TO EXISTING EQUIPMENT VAULT.



12300 PARK PLAZA DRIVE
CERRITOS, CA 90703



450 COMMERC ST. 200
IRVINE, CA 92602



31990 AIRPORT LOOP DRIVE
COSTA MESA, CA 92626

REV	DATE	DESCRIPTION	BY
2	03/18/2014	ISSUED FOR 100% CD	JMK
1	02/17/2014	ISSUED FOR 100% CD	JMK
0	04/23/2014	ISSUED FOR 100% CD	JMK
0	02/20/2014	ISSUED FOR 100% CD	JMK
X	02/14/2014	ISSUED FOR 20% CD	WJK



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UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF THE ARCHITECT OR ENGINEER
TO ALTER THIS DOCUMENT.

**PECK LIGHT POLE
LA0648**
403 S PECK DR
BEVERLY HILLS, CA 90212
CASPR ID # 3551664444

SHEET TITLE
**EXISTING CEMH
FLOOR LAYOUT**

SHEET NUMBER
A-2



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



1

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE DATED IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES.

EXISTING CONTROLLED ENVIRONMENT MANHOLE (CEMH) FLOOR LAYOUT



12900 MARK PLAZA DRIVE
CERRITOS, CA 90703

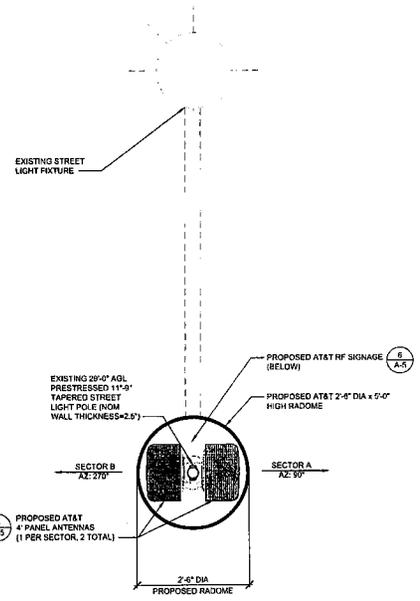
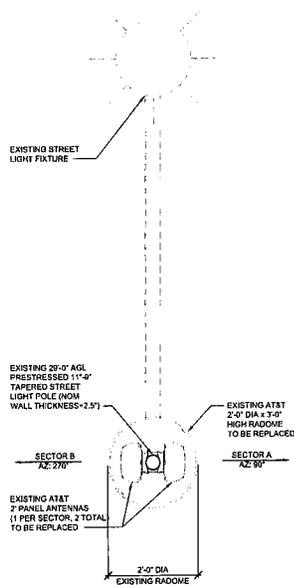


330 COMMERCE STE 200
IRVINE, CA 92602



31900 AIRPORT LOOP DRIVE
COSTA MESA, CA 92626

- NOTE:
1. PROPOSED AT&T ANTENNA RADOME TO BE PAINTED TO MATCH EXISTING LIGHTPOLE.
 2. VERIFICATION THAT THE POLE AND MOUNTING ATTACHMENT CAN SUPPORT THE PROPOSED ANTENNA LOADING WAS COMPLETED BY SAMSON ENGEDA OF SKS ENGINEERING, INC.



EXISTING ANTENNA PLAN

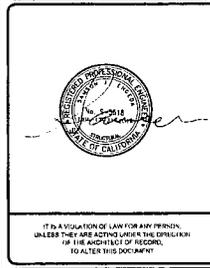
24"x36" SCALE: 3/4" = 1'-0"
11"x17" SCALE: 3/8" = 1'-0"

2 PROPOSED ANTENNA PLAN

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

1

REV	DATE	DESCRIPTION	BY
2	07/19/2014	ISSUED FOR 100% CD	FR
1	06/16/2014	ISSUED FOR 100% CD	FR
0	04/02/2014	ISSUED FOR 100% CD	FR
R	03/06/2014	ISSUED FOR 100% CD	TK
A	02/14/2014	ISSUED WITH 10% CD	WJS



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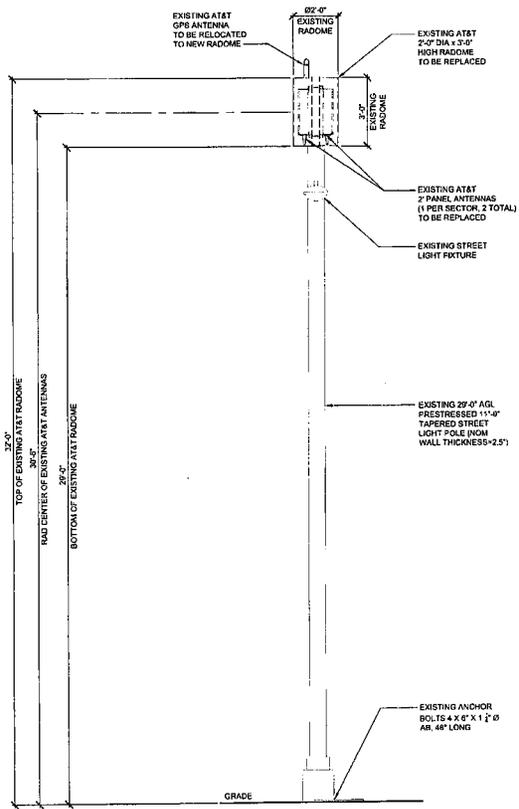
**PECK LIGHT POLE
LA0648**
403 S PECK DR
BEVERLY HILLS, CA 90212
CASPR ID # 3551664444

SHEET TITLE
**EXISTING & PROPOSED
ANTENNA PLAN**

SHEET NUMBER
A-3

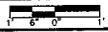
NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE SHOWN IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES.

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE (A1) IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES



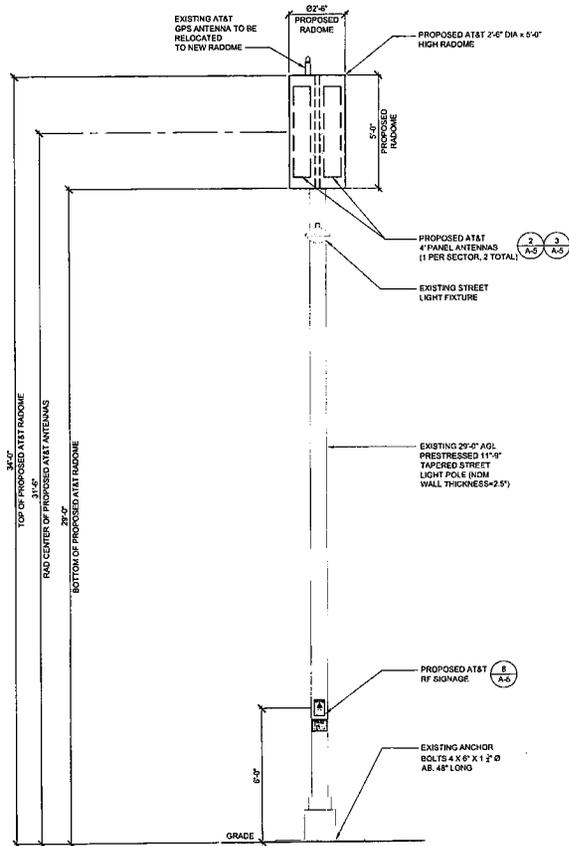
EXISTING POLE ELEVATION (NORTH)

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

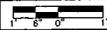


2

PROPOSED POLE ELEVATION (NORTH)



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



1

NOTE:

1. PROPOSED AT&T ANTENNA RADOME TO BE PAINTED TO MATCH EXISTING LIGHTPOLE.
2. VERIFICATION THAT THE POLE AND MOUNTING ATTACHMENT CAN SUPPORT THE PROPOSED ANTENNA LOADING WAS COMPLETED BY SAMSON ENGEDA OF SKB ENGINEERING, INC.



12900 PARK PLAZA DRIVE
CERRITOS, CA 90703



330 COMMERCE ST. #00
IRVINE, CA 92602



3190C AIRPORT LOOP DRIVE
COSTA MESA, CA 92626

REV	DATE	DESCRIPTION	BY
2	07/16/2014	ISSUED FOR 100% CD	FR
1	05/14/2014	ISSUED FOR 100% CD	FR
0	04/23/2014	ISSUED FOR 100% CD	FR
R	02/20/2014	ISSUED FOR 100% CD	FR
A	02/14/2014	ISSUED FOR 10% CD	WAT

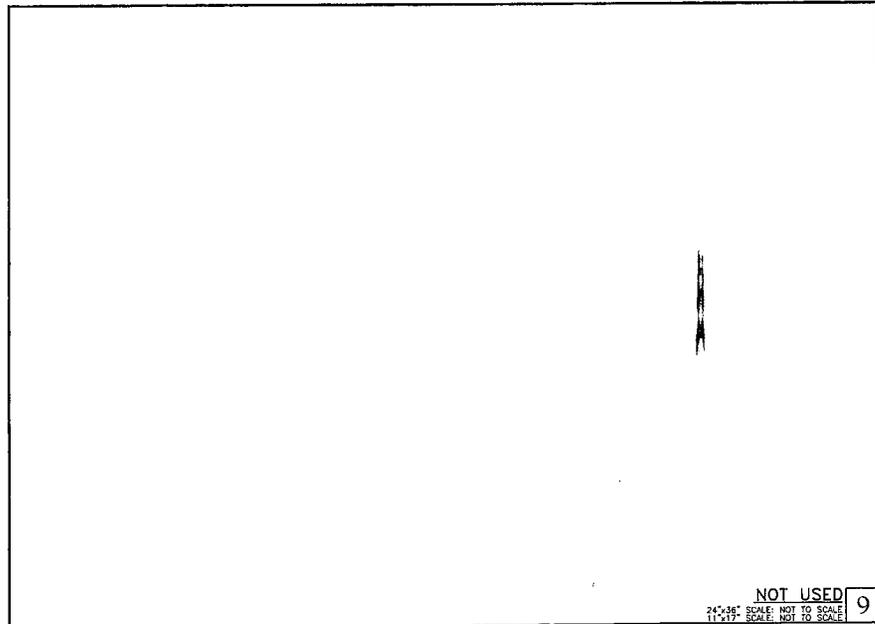


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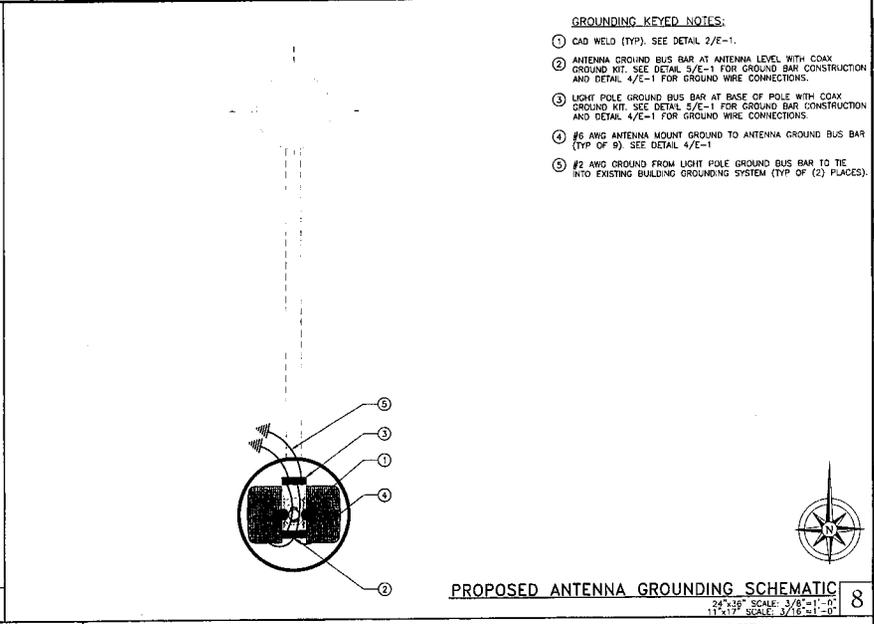
PECK LIGHT POLE LA0648
403 S PECK DR
BEVERLY HILLS, CA 90212
CASPR ID # 3551664444

SHEET TITLE
EXISTING & PROPOSED POLE ELEVATION

SHEET NUMBER
A-4

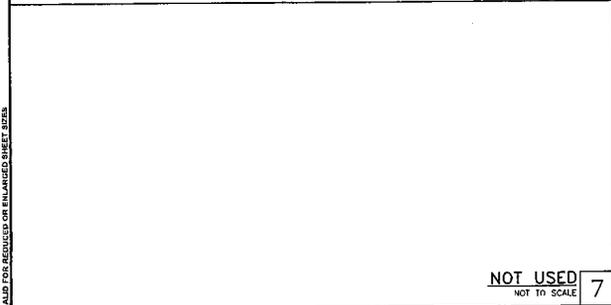


NOT USED
24"x36" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE 9

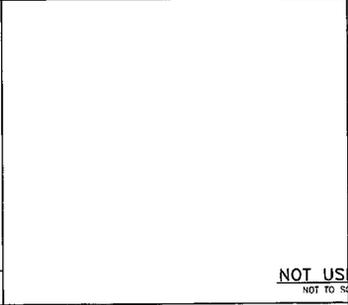


- GROUNDING KEYED NOTES:**
- ① CAD WELD (TYP). SEE DETAIL 2/E-1.
 - ② ANTENNA GROUND BUS BAR AT ANTENNA LEVEL WITH COAX GROUND KIT. SEE DETAIL 3/E-1 FOR GROUND BAR CONSTRUCTION AND DETAIL 4/E-1 FOR GROUND WIRE CONNECTIONS.
 - ③ LIGHT POLE GROUND BUS BAR AT BASE OF POLE WITH COAX GROUND KIT. SEE DETAIL 3/E-1 FOR GROUND BAR CONSTRUCTION AND DETAIL 4/E-1 FOR GROUND WIRE CONNECTIONS.
 - ④ #6 AWG ANTENNA MOUNT GROUND TO ANTENNA GROUND BUS BAR (TYP OF 9). SEE DETAIL 4/E-1
 - ⑤ #2 AWG GROUND FROM LIGHT POLE GROUND BUS BAR TO TIE INTO EXISTING BUILDING GROUNDING SYSTEM (TYP OF (2) PLACES).

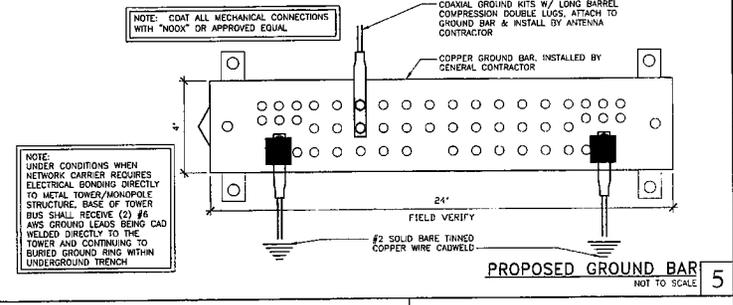
PROPOSED ANTENNA GROUNDING SCHEMATIC
24"x36" SCALE: 3/16"=1'-0"
11"x17" SCALE: 3/16"=1'-0" 8



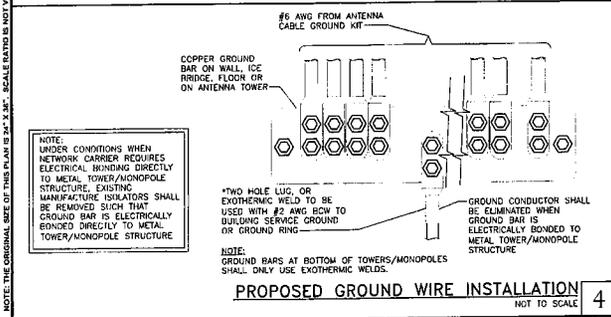
NOT USED
NOT TO SCALE 7



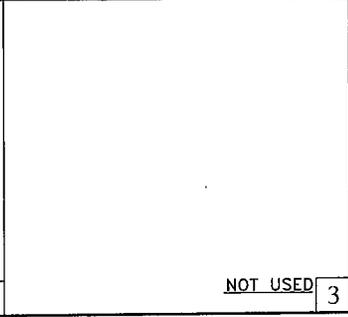
NOT USED
NOT TO SCALE 6



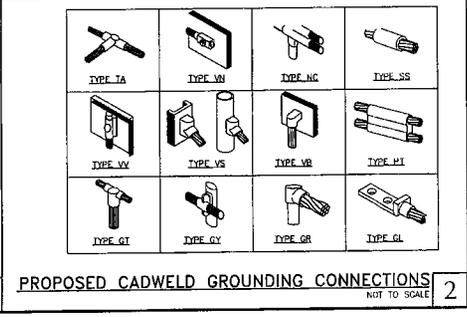
PROPOSED GROUND BAR
NOT TO SCALE 5



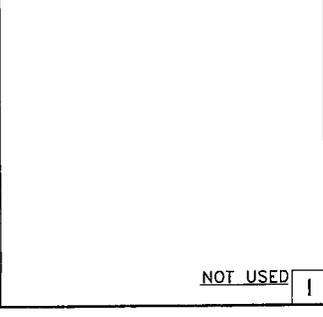
PROPOSED GROUND WIRE INSTALLATION
NOT TO SCALE 4



NOT USED
NOT TO SCALE 3



PROPOSED CADWELD GROUNDING CONNECTIONS
NOT TO SCALE 2



NOT USED
NOT TO SCALE 1

17900 PARK PLAZA DRIVE
CERRITOS, CA 90703

330 COMMERCE STE. 207
HUNTINGTON BEACH, CA 92602

PACIFIC TELECOM SERVICES, LLC
3199C AIRPORT LOOP DRIVE
COSTA MESA, CA 92626

REV	DATE	DESCRIPTION	BY
2	03/18/2014	ISSUED FOR 100% CD	FR
1	03/18/2014	ISSUED FOR 100% CD	FR
0	06/23/2014	ISSUED FOR 100% CD	FR
B	10/20/2014	ISSUED FOR 100% CD	FR
A	03/14/2014	ISSUED FOR 0% CD	WJR

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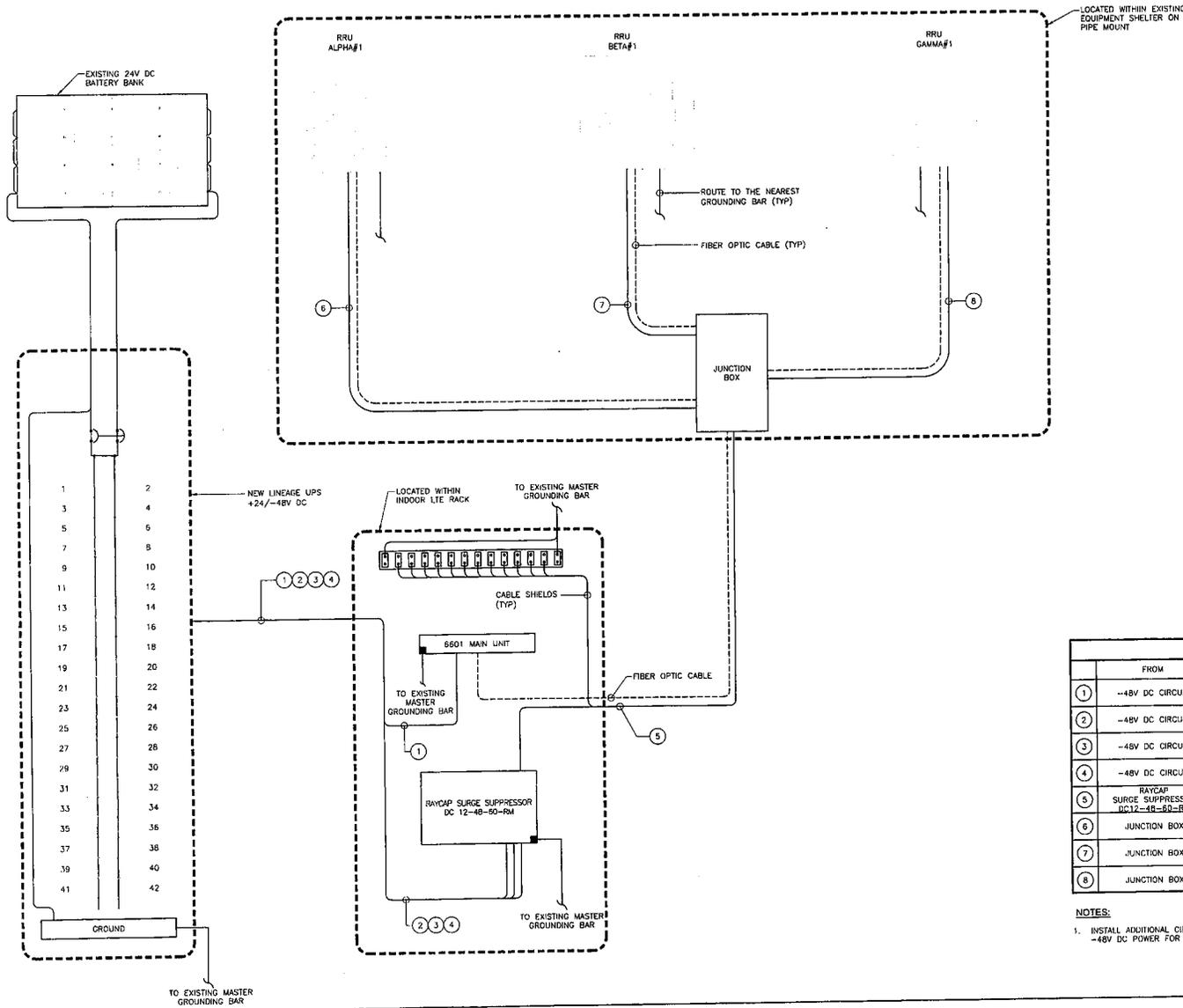
PECK LIGHT POLE LA0648
403 S PECK DR
BEVERLY HILLS, CA 90212
CASPR ID # 3551664444

SHEET TITLE
PROPOSED GROUNDING SCHEMATIC AND DETAILS

SHEET NUMBER
E-1

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE MATES IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES.

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE RATIO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES.



DC CIRCUIT SCHEDULE			
	FROM	TO	CONFIGURATION
①	-48V DC CIRCUIT	6601 MAIN UNIT	(1) 2-#10 THHN/THWN/AW-1 TYPE TC-ER DC CABLE
②	-48V DC CIRCUIT	RAYCAP SURGE SUPPRESSOR DC12-48-60-RM	(1) 2-#10 THHN/THWN/AW-1 TYPE TC-ER DC CABLE
③	-48V DC CIRCUIT	RAYCAP SURGE SUPPRESSOR DC12-48-60-RM	(1) 2-#10 THHN/THWN/AW-1 TYPE TC-ER DC CABLE
④	-48V DC CIRCUIT	RAYCAP SURGE SUPPRESSOR DC12-48-60-RM	(1) 2-#10 THHN/THWN/AW-1 TYPE TC-ER DC CABLE
⑤	RAYCAP SURGE SUPPRESSOR DC12-48-60-RM	JUNCTION BOX	(1) 6-#8 THHN/THWN/AW-1 TYPE TC-ER DC CABLE
⑥	JUNCTION BOX	RRU REMOTE RADIO UNIT ALPHA #1	(1) 2-#12 THHN/THWN/AW-1 TYPE TC-ER DC CABLE
⑦	JUNCTION BOX	RRU REMOTE RADIO UNIT BETA #1	(1) 2-#12 THHN/THWN/AW-1 TYPE TC-ER DC CABLE
⑧	JUNCTION BOX	RRU REMOTE RADIO UNIT GAMMA #1	(1) 2-#12 THHN/THWN/AW-1 TYPE TC-ER DC CABLE

NOTES:
 1. INSTALL ADDITIONAL CIRCUITS TO RECTIFIERS AS REQUIRED, TO PROVIDE ADDITIONAL -48V DC POWER FOR LTE SYSTEM.

SINGLE LINE DIAGRAM

12900 PARK PLAZA DRIVE
 CERRITOS, CA 90703

330 COMMERCIAL STE. 200
 IRVINE, CA 92602

PACIFIC TELECOM SERVICES, LLC
 3195C AIRPORT 100+ DRIVE
 COSTA MESA, CA 92626

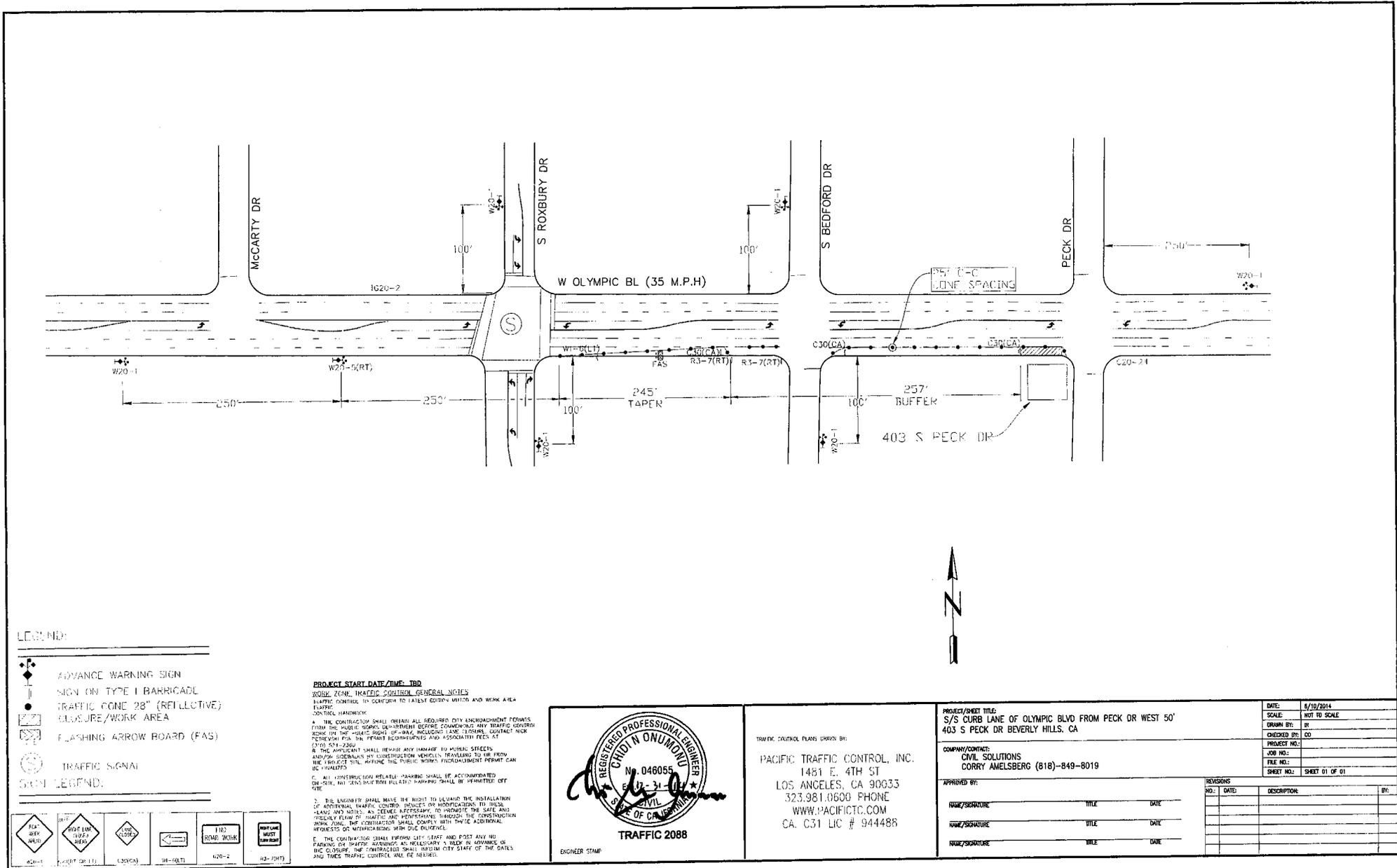
REV	DATE	DESCRIPTION	BY
2	07/18/2014	ISSUED FOR 100% CD	ER
1	06/16/2014	ISSUED FOR 100% CD	ER
0	04/29/2014	ISSUED FOR 100% CD	TR
R	02/09/2014	ISSUED FOR 100% CD	TR
A	02/14/2014	ISSUED FOR 90% CD	WJL

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 OF THE ARCHITECT OF RECORD,
 TO ALTER THIS DOCUMENT.

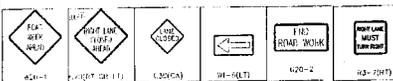
**PECK LIGHT POLE
 LA0648**
 403 S PECK DR
 BEVERLY HILLS, CA 90212
 CASPR ID # 3551664444

SHEET TITLE
**PROPOSED
 SINGLE LINE DIAGRAM**

SHEET NUMBER
E-2



- LEGEND:**
- ADVANCE WARNING SIGN
 - SIGN ON TYPE I BARRICADE
 - TRAFFIC CONE 28" (REFLECTIVE)
 - CLOSURE/WORK AREA
 - FLASHING ARROW BOARD (FAS)
 - TRAFFIC SIGNAL
 - SIGN LEGEND:



PROJECT START DATE/TIME TBD

SCALE: ONE INCH EQUALS FORTY FEET

TRAFFIC CONTROL TO CONFORM TO LATEST CALIFORNIA MUTCD AND WORK AREA TRAFFIC CONTROL HANDBOOK

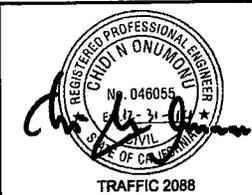
A. THE CONTRACTOR SHALL MAINTAIN ALL REQUIRED CITY ENCROACHMENT PERMITS FROM THE PUBLIC WORKS DEPARTMENT BEFORE COMMENCING ANY TRAFFIC CONTROL WORK IN THE PUBLIC RIGHT-OF-WAY, INCLUDING LANE CLOSURE, CONTACT WORK PERMITS FOR THE PLANS DESCRIBED AND ASSOCIATED FEES, AT (916) 514-2380.

B. THE CONTRACTOR SHALL BEHOLD ANY VIOLATION TO MUNICIPAL ORDINANCES AND/OR SIDEWALKS BY CONSTRUCTION VEHICLES TRAVELING TO OR FROM THE PROJECT SITE, APPLYING THE PUBLIC WORKS ENCROACHMENT PERMIT CAN BE FORFEITED.

C. ALL CONSTRUCTION RELATED PARKING SHALL BE ACCOMMODATED ON-SITE, BUT SHALL NOT BE ALLOWED TO PARKING SHALL BE PERMITTED OFF-SITE.

D. THE CONTRACTOR SHALL HAVE THE RIGHT TO LEASOR THE INSTALLATION OF ADDITIONAL TRAFFIC CONTROL DEVICES ON INDIVIDUALS, TO BUS, TRUCKS AND TRAILERS AS NECESSARY TO PROMOTE THE SAFE AND EFFICIENT FLOW OF TRAFFIC AND NEIGHBORHOOD THROUGH THE CONSTRUCTION WORK ZONE. THE CONTRACTOR SHALL COMPLY WITH THESE ADDITIONAL REQUESTS OR NEIGHBORHOODS WITH ONE QUARTER MILE.

E. THE CONTRACTOR SHALL BEHOLD ANY VIOLATION TO MUNICIPAL ORDINANCES AND/OR SIDEWALKS BY CONSTRUCTION VEHICLES TRAVELING TO OR FROM THE PROJECT SITE, APPLYING THE PUBLIC WORKS ENCROACHMENT PERMIT CAN BE FORFEITED.



ENGINEER STAMP

TRAFFIC CONTROL PLANS DRAWN BY:

PACIFIC TRAFFIC CONTROL, INC.
 1481 E. 4TH ST
 LOS ANGELES, CA 90033
 323.981.0600 PHONE
 WWW.PACIFICTC.COM
 CA. C31 LIC # 944488

PROJECT/SHEET TITLE: S/S CURB LANE OF OLYMPIC BLVD FROM PECK DR WEST 50' 403 S PECK DR BEVERLY HILLS, CA		DATE: 5/10/2014
COMPANY/CONTACT: CIVIL SOLUTIONS CORY AMELBERG (818)-849-8019		SCALE: NOT TO SCALE
APPROVED BY:	NAME/SIGNATURE	TITLE
NAME/SIGNATURE	TITLE	DATE
NAME/SIGNATURE	TITLE	DATE
NAME/SIGNATURE	TITLE	DATE
REVISIONS		DR:
NO.	DATE	DESCRIPTION

r:\Plans\Construction\SS_OLYMPIC_PECK_EAST_50'.dwg

SKS Engineering, Inc.

15008 Espola Rd. #B, Poway, CA 92064
Tel: (858) 395-7368, Fax: (858) 883-2511,
email: engeda@gmail.com

STRUCTURAL CALCULATIONS

Project: LA0648, FA#10105689 Peck Light Pole

Location: 403 S Peck Dr, Beverly Hills, CA 90212

Client: AT&T/PTS

Date: May 5, 2014

Rev: 2

Applicable Codes:

2013 California Building Code

ASCE 7-10 Minimum Design Loads for Buildings and Other Structures

AISC 360 – 10 and ACI 318-11

Scope of Structural Calculations:

Analyze antenna mounting and anchorage to existing support pipe and includes;

- REMOVE & REPLACE (2) 2-ft high EXISTING ANTENNAS WITH (2) NEW 4'-0" ANTENNAS,
- Confirmation of the structural adequacy of the City of Beverly Hills Light Pole and Masts for the new loading,

Results:

See attached structural calculations for details.

The above listed new antennas were taken into account in the loading considerations. The antennas are to be installed on an existing pre-stressed concrete light pole. Both the pre-stressed concrete light pole and the 2" steel mounting pipe and the U-bolt clamp anchors have been structurally analyzed for the prevailing 2013 CBC wind loadings and were found to be adequate for their intended purpose.

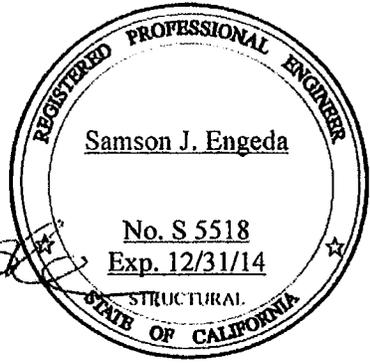
The structural analysis for this site completed by SKS Engineering, Inc. on behalf of at&t was inclusive of the entire antenna support structure and anchorage into the existing light pole.

All engineering services are performed on the basis that the information used is current and correct. The information may consist of, but not limited to information supplied by the client regarding the structure itself. SKS Engineering, Inc. assumes that all structures were constructed in accordance with the drawings and specifications dated 10/23/06, Job#: 24897-511, Dwg #: A-LSANCA0648F by D. Bettadapura (CE#46505) of Moser Consulting, Chino, CA. The pole and its foundation/anchorage are assumed to be in good condition and their load capacity has not significantly changed from the "as new" condition.

SKS Engineering, Inc.'s Principal, Samson Engeda, went out to the antenna site location on May 3, 2014 to conduct a field inspection of the condition of the light pole. The light pole is in a good physical condition and the size of the light pole was measured and recorded to match the size shown on the original bid set. The foundation pile and boll details were not evident with the visual inspection done by us. The surrounding area around the foundation is completely sealed from any water intrusion and the adjacent green area was found to be tight and compact with no signs of foundation subsidence. There appears to be no realistic possibility for a foundation undermining or erosion. The light pole was also found to be perfectly plumb in vertical alignment. The additional gravity or wind load caused by this antenna swap is insignificant. It is, therefore, our professional opinion we should rely on the bid set drawings for the detail information of the pole and foundation to complete our assessment.

All engineering services are performed and recommendations made in accordance with the industry standards and generally accepted principles and practices.

Samson Engeda
REGISTERED STRUCTURAL ENGINEER



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STRUCTURAL CALCULATIONS

Project: LA 0648

Date: 04/24/14, UPDATED 05/05/2014

1) COMMENT ON SHT #6: PROVIDE REFERENCE TO THE PLANS & SPECS

RESPONSE: CONSTRUCTION PLANS DATED 10/23/06

JOB#: 24297-511

DWG#: A-L SANCA0648F

BY (ENGINEER): D. BETTADAPURA
(CE # 46505)

MOSER CONSULTING, INC.
CHINO, CA.

2) COMMENT #2 ON SHT 6: POLE SIZE CHECK'D OR CONFIRMED IN THE FIELD

RESPONSE: YES, POLE SIZE (X-SECTIONAL DIMENSION, HEIGHT) & CONDITION HAS BEEN VERIFIED BY A FIELD INSPECTION

3) COMMENT #3 ON SHT #9: FIELD INSP.?

RESPONSE: NO. 'BY INSPECTION' MEANT ^{TO SAY} BY INTUITION. SEE THE FOLLOWING CALCS

1) CHECK CAPACITY OF 1/4" ϕ BOLT \Rightarrow TENSION = 26.4 K

$T_{DEMAND} \approx 6^K < T_{CAP.} = 26.4^K \therefore OK$

CONCRETE

$N_{cb} = \frac{A_{nc}}{A_{nco}} \psi_{ed}, N_{pc}, N_{cp}, N_{nb} \leq N_b = k_c \sqrt{f'_c} \cdot h_{ef}^{1.5}$

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Date: 04/24/14, 05/05/2014 (UPDATED)

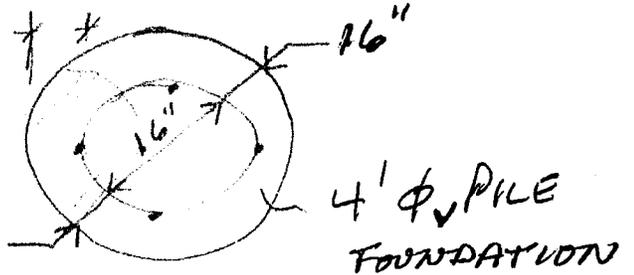
$r_{ef} = 48"$; $R_c = 24$ (cast in place)

$\therefore N_b = 24 \cdot (\sqrt{2500}) \cdot 48^{1.5} = 399k$

BUT $N_{cb} = \frac{A_{nc}}{A_{nc0}} \cdot N_b$ (f) ↓ ALL THE FACTORS

$\therefore A_{nc} \approx \left(\frac{\pi(16)^2}{4}\right) \cdot \frac{1}{4} = 50.3 \text{ in}^2$

$A_{nc0} \approx \frac{\pi(16)^2}{4} = 201.2 \text{ in}^2$



$\therefore N_{cb} \approx \frac{50.3}{201.2} (399) 0.7 = 69.8k > T = 6k$

\therefore IT CAN BE ROUGHLY SEEN ABOVE THE
THE 1 1/4" ϕ ANCHORS ARE OK.

SKS CONDUCTED A FIELD INSPECTION. THE BOLT SIZE
COULD NOT BE CONFIRMED WITHOUT DOING JACKHAMMER-
ING OF THE SURROUNDING AREA AS THE BOLTS SEEM
TO HAVE BEEN COUNTERSUNK AND COVERED W/ CONC-
RETE. SEE OUR REVISED LETTER.

SCOPE OF CALCULATIONS

Replace (2) Existing 2-ft Panel Antennas with (2) New 4' panel Antennas inside a 5-ft high by 2.5-ft diameter Radome.

EQUIPMENT SPECIFICATIONS

Height of Equipment (z): 34.00 ft

Equipment Type: Antenna
Model No.: LTE
Dimensions: 4.00 ft x 1.20 ft
Weight: 130.00 lbs
Area: 4.80 ft ²
No. per sector: 2

Equipment Type: Radome
Model No.: Shroud
Dimensions: 2.50 ft x 5.00 ft
Weight: 20.00 lbs
Area: 12.50 ft ²
No. per sector:

Mounting Type: 2"Ø steel pipe
Length: 6.00 ft
Weight: 45.48 lbs
No. per sector: 1

Use the bigger wind area of the Radome

Total Area (A_r): 12.50 ft²
Total Weight (W_p): 305.48 lbs

EMN

SE

SEISMIC DESIGN FORCE

Based on ASCE 7-10

I. USGS Earthquake Ground Motion Parameters:

Conterminous 48 States

2010 ASCE 7 Standard

Latitude = 34.05504

Longitude = -118.44183

Spectral Response Accelerations Ss and S1

Ss and S1 = Mapped Spectral Acceleration Values

Site Class B - Fa = 1.0 ,Fv = 1.0

Data are based on a 0.01 deg grid spacing

Period Sa

(sec) (g)

0.2 1.902 (Ss, Site Class B)

1.0 0.645 (S1, Site Class B)

Conterminous 48 States

2010 ASCE 7 Standard

Latitude = 34.05504

Longitude = -118.44183

Spectral Response Accelerations SMs and SM1

SMs = Fa x Ss and SM1 = Fv x S1

Site Class D - Fa = 1.0 ,Fv = 1.5

Period Sa

(sec) (g)

0.2 1.902 (SMs, Site Class D)

1.0 0.968 (SM1, Site Class D)

Conterminous 48 States

2010 ASCE 7 Standard

Latitude = 34.05504

Longitude = -118.44183

Design Spectral Response Accelerations SDs and SD1

SDs = 2/3 x SMs and SD1 = 2/3 x SM1

Site Class D - Fa = 1.0 ,Fv = 1.5

Period Sa

(sec) (g)

0.2 1.268 (SDs, Site Class D)

1.0 0.645 (SD1, Site Class D)

EMN

SE

[From USGS Earthquake Design Parameters]

$S_s = 1.902$	$S_{MS} = 1.902$
$S_1 = 0.645$	$S_{M1} = 0.968$
$F_a = 1.000$	$S_{DS} = 1.268$
$F_v = 1.500$	$S_{D1} = 0.645$

$I_p = 1.0$ (ASCE 7-10, Sec. 13.1.3)
 $a_p = 1.0$ (ASCE 7-10, Table 13.6-1, Communication equipment)
 $R_p = 2.5$ (ASCE 7-10, Table 13.6-1, Communication equipment)
 $z = 32.0$ ft, height in structure of point of attachment of component with respect to the base
 $h = 34.0$ ft, average roof height of structure with respect to the base

II. Horizontal Seismic Design Force:

$$F_p = \frac{0.4 a_p S_{DS} W_p}{(R_p / I_p)} [1 + 2 (z / h)] \quad \blacktriangleright F_p = 0.585 W_p$$

$$F_{p \max} = 1.6 S_{DS} I_p W_p \quad \blacktriangleright F_{p \max} = 2.029 W_p$$

$$F_{p \min} = 0.3 S_{DS} I_p W_p \quad \blacktriangleright F_{p \min} = 0.380 W_p$$

III. Vertical Seismic Design Force:

$$F_p = \pm 0.2 S_{DS} W_p \quad \blacktriangleright F_p = 0.254 W_p$$

IV. ASD Seismic Design Forces:

$$(F_p)_H = 0.585 / 1.4 = 0.418 W_p = 127.60 \text{ lbs}$$

$$(F_p)_V = 0.254 / 1.4 = 0.181 W_p = 55.34 \text{ lbs}$$

EMN

SE

WIND DESIGN FORCE

Based on ASCE 7-10

I. Horizontal Wind Design Force:

Exposure Category: **C** V = **110** mph I = **1.00**

$F = q_z G C_f A_f$ (ASCE 7-05, Sec. 6.5.15, Eq. 6-28)
 ** INCREASE BY 1.9 IF HEIGHT < 60 ft (ASCE 7-10)

$q_z = 0.00256 K_z K_{zt} K_d V^2 I$ (ASCE 7-10)

$K_z = 1.01$ (ASCE 7-10)

▶ $q_z = 26.59$ psf

$K_d = 0.85$ (ASCE 7-10)

** (HEIGHT < 60 ft, INCREASE q_z BY 1.9)

$K_{zt} = 1.00$ (ASCE 7-10)

▶ $q_z = 50.53$ psf

$G = 0.85$ (ASCE 7-10, Rigid structure)

$C_f = 1.4$ (ASCE 7-10)

$F = 36.08 \times A_f$

▶ $F_H = 346.33$ lbs

[Assume uplift equal to normal force]

▶ $F_V = 346.33$ lbs

LATERAL DESIGN FORCE ANALYSIS

I. Summary:

Seismic $F_H = 127.60$ lbs

Seismic $F_V = 55.34$ lbs

Wind $F_H = 346.33$ lbs

▶ Wind $F_H >$ Seismic F_H

II. Load Combinations:

	DL	E	W	Total
Vertical	305.48	55.34	346.33	707.14 lbs
Horizontal	0.00	127.60	346.33	346.33 lbs

POLE MOUNT DESIGN

I. Check Proposed Mast Mount:

Existing Mounting Pipe: 2"Ø steel pipe

$$F_H / 2 = 118.67 \text{ lbs}$$

$$F_V / 2 = 180.41 \text{ lbs}$$

$$M_{\max} = F_H L / 4$$

$$M_{\max} = 356.01 \text{ lb-ft}$$

$$F_y = 35 \text{ ksi}$$

$$S_x = 0.561 \text{ in}^3$$

[Use capacity of 2"Ø pipe]

$$V_{\max} = 118.67 \text{ lbs}$$

$$R_H = 118.67 \text{ lbs}$$

$$R_V = 180.41 \text{ lbs}$$

$$f_b = M_{\max} / S_x = 7.62 \text{ ksi}$$

$$F_b = 0.6 F_y = 21.00 \text{ ksi}$$

∴ 2"Ø steel pipe OK

II. Check Anchorage to Mast Mount:

Proposed anchorage: 1/2"Ø A307 U-Bolts & Nuts

$$T_{\text{BOLT}} = F_H / 2 = 118.67 \text{ lbs}$$

$$V_{\text{BOLT}} = F_V / 2 = 180.41 \text{ lbs}$$

$$(T / T_{\text{all}}) + (V / V_{\text{all}}) = 0.12$$

$$< (T_{\text{BOLT}})_{\text{all}} = 3900 \text{ lbs}$$

$$< (V_{\text{BOLT}})_{\text{all}} = 2000 \text{ lbs}$$

$$< 1.00$$

∴ 1/2"Ø A307 U-Bolts & Nuts OK

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 Date: 03/29/84

PRESTRESSED POLE ANALYSIS

DESIGN DATA (FROM AS-BUILTS)

-(12) 9mm PRESTRESSING WIRE (ASTM-A421)

↳ PER PTI-MANUAL & ASTM

• $f_{pu} \approx 235 \text{ ksi (min)}$

• $f_{sy} \approx 0.85 f_{pu} = 200 \text{ ksi}$

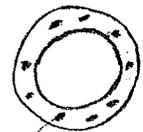
• $E_p = 29 \text{ E3 ksi}$

• % elong = 4%

• $f'_c = 5000 \text{ psi}$

• X-SECTION OF POLE IS 11" ϕ @ BASE & 9" @ TOP.
 & NOMINAL WALL THICKNESS, $t = 2.5"$

• $A_{9mm} = \underline{0.1 \text{ in}^2} \pm$



12 (9mm)

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Date: 03/29/14

EVALUATE BASE OF POLE CAPACITY, USING
THE EQUIVALENT LOADS FREE BODY DIAGRAM (FBD):
METHOD: ASD-BASIC METHOD

FINAL AFTER LOSSES

$$f_{oe} = 60\% f_{py} = 0.6(200 \text{ ksi}) = 120 \text{ ksi}$$

$$f_t = 12\sqrt{f'_c} = 12\sqrt{7000} = 1004 \text{ psi}$$

is maximum allowable tensile stress

$$f_c = 0.45f'_c = 0.45(7000) = 3150 \text{ psi}$$

is maximum allowable compressive stress

Section Property Calc.

ANNULAR

$$A_c = \pi (d_o^2 - d_i^2) / 4 ; \quad d_o = 11" \quad \& \quad d_i = 11" - 2(2.5") = 6"$$

$$= \pi (11^2 - 6^2) / 4$$

$$= 69 \text{ in}^2$$

$$I_c = 0.049087 (d_o^4 - d_i^4) = 655 \text{ in}^4$$

$$r^2 = I_c / A_c = 655 / 69 = 9.8 \text{ in}$$

$$C_b = C_t = 5.5" ; \quad S = 0.098175 \frac{d_o^4 - d_i^4}{d_o} = 119 \text{ in}^3$$

$$e = 0$$

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MOMENT @ THE BASE OF THE POLE DUE TO WIND
 LOAD OF PROPOSED ANTENNAS

$$M_w = P_w \cdot A_{\text{ANTENNAS}} \times 32' ; P_w \approx 4 \text{ psf}$$

$$A_{\text{ANT.}} = 2ca \times 4' \times 1' = 8 \text{ ft}^2$$

$$= 36 \text{ psf} (9.6) 31.5$$

$$= 10.2 \text{ k-ft}$$

$$P_e = A_{ps} \cdot f_{oe}$$

$$f = f^b = \pm \frac{P_e}{A_c} \left(1 - \frac{e c_t}{r^2} \right) - \frac{M_w}{S}$$

DL - NEGLIGIBLE

$$P_e \text{ (Due to stressing)} = \underbrace{12 (0.1 \text{ in}^2)}_{A_{ps}} 120 \text{ ksi}$$

$$= 144 \text{ k}$$

$$\therefore f_{\text{Comp.}}^{\text{top}} = \frac{144}{67} - \frac{10.2 \times 12}{119}$$

$$= -2149 \text{ psi} - 1029 \text{ psi}$$

$$= -3178 \text{ psi} \approx -3150 \text{ psi OK, LESS THAN 1% OVER}$$

$$f_{\text{tension}}^{\text{bottom}} = -2149 + 1029 = -1120 \text{ psi (STILL IS IN COMPRESSION. } < +1004 \text{ psi OK)}$$

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CONSIDERING THIS PROJECT IS THE REPLACEMENT OF ANTENNAS W/ SLIGHTLY BIGGER ONES, ITS IMPACT STRUCTURALLY IS AN ADDITION OF $2ea \times \overbrace{(2' \times 1.2')}^{\text{AREA}} \times 36 \text{ psf} = 173 \# \text{ FORCE}$

$$M_{OT} \left(\begin{array}{c} \text{DUE TO} \\ \text{ANTENNA} \\ \text{REPLACEMENT} \end{array} \right) = 173 \# \times 31.5' = 5.4 \text{ K-1}$$

WHICH IS A SMALL LOAD DEMAND.

∴ ACCURATE SHOP DRAWINGS THAT SHOW THE JACKING FORCE OF THE PRESTRESS WAS NOT A REQUIREMENT FOR THE COMPLETION OF THIS ANALYSIS.

CHECK CONNECTION ANCHOR BOLTS

$$T_{\text{PULL-OUT}} = M_{\text{TOT}} / d_{\text{anna}} = 10.2 / 12'' \approx 10.2 \text{ K} / 2 \text{ bolts} = 5.1 \text{ K} \text{ req } 6 \text{ K}$$

FOR 1 1/4" φ AB, 48" LONG - 6 K AS MINIMAL

∴ OK BY INSPECTION.

TENANT ACKNOWLEDGEMENT

STATE OF CALIFORNIA)

COUNTY OF Orange)

On July 15, 2014 before me, BH Hoglund, Notary
(insert name and title of the officer)

personally appeared Mark Rivera, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in ~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.
Signature: [Handwritten Signature]
Name: BH Hoglund
(typed or printed)

