

Property Owner Letter of Authorization

City of San Diego
Attn: Planning Dept.
City Administration Bldg.
San Diego, CA 92101

Re: Zoning – Plan / Design Review Process

I hereby represent that I am the legal owner of the property referenced below, and I hereby give my authorization to AT&T, and/or its Agent(s), to act as our Agent(s) in the processing and obtaining approval for Building and/or Zoning permits through the City of San Diego for the modification of the facility that would be located at the existing wireless communications site described as:

Crown Site ID: 816130

AT&T Site ID: SD0300

Site Address: North of Darnall School, San Diego, Ca 92115

Legal Description: 472-470-08-00

Property Owner:

City of San Diego

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
) SS.
County of _____)

On this, the ____ day of _____, 2015, before me, _____,

Notary Public, personally appeared _____,

☐ personally known to me ☐ 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 on 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:

Notary Public

My commission expires: _____



SD0300

UNIVERSITY AVENUE

LTE 3C

6046 HUGHES STREET DUP1
SAN DIEGO, CA 92115



5738 PACIFIC CENTER BLVD
SAN DIEGO, CA 92121



BLACK & VEATCH

10950 GRANDVIEW DRIVE
OVERLAND PARK, KANSAS 66210
(913) 458-2000

PROJECT NO. 128071

DRAWN BY: AW

CHECKED BY: JO

ENGINEERING

2013 CALIFORNIA BUILDING CODE
2013 CALIFORNIA RESIDENTIAL CODE
2013 CALIFORNIA TITLE 24
2013 CALIFORNIA FIRE CODE
2013 CALIFORNIA ENERGY CODE
2013 CALIFORNIA PLUMBING CODE
2013 CALIFORNIA MECHANICAL CODE
2013 CALIFORNIA ELECTRICAL CODE
TM-222-G CODE

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

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, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

PROJECT DESCRIPTION

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

- REMOVAL (2) (N) AT&T PANEL ANTENNAS
- INSTALL (2) (N) AT&T PANEL ANTENNAS
- INSTALL (2) (N) RRUS
- INSTALL (1) (N) DC SURGE PROTECTION
- INSTALL (1) (N) 48V-4T EQUIPMENT SHIELD
- ANY AND ALL BRANCHING RECEPTACLES THAT ARE EITHER EMPTY OR THAT CONTAIN BROKEN BRANCHING SHALL BE FITTED WITH NEW BRANCHING MATERIALS.
- NO NEW BATTERIES ARE TO BE ADDED AS PART OF THIS PROJECT.

SITE INFORMATION

PROPERTY OWNER: CITY OF SAN DIEGO
ADDRESS: 1200 THIRD AVENUE, SUITE 4700, MESA, SAN DIEGO, CA 92101

SITE NAME: UNIVERSITY AVENUE
SITE ADDRESS: 6046 HUGHES STREET, SAN DIEGO, CA 92115

SITE CONTACT: MICAH SULLIVAN
(949) 930-4351

COUNTY: SAN DIEGO

LATITUDE (NAD 83): 32° 44' 54.995" N
LONGITUDE (NAD 83): 117° 04' 0.998" W
GROUND ELEVATION: 470' MSL

ANTENNA TP HEIGHT: 60'-0" (3C)

ZONING JURISDICTION: CITY OF SAN DIEGO

ZONING DISTRICT: OR-1-1

SETBACKS: FRONT: 15'
SIDE: 8'
STREET SIDE: 10'
REAR: 20'

PANEL #: 472-470-08-00

OCCUPANCY GROUP: S-2

CONSTRUCTION TYPE: V-B

OTHER WIRELESS FACILITIES: T-MOBILE & VERIZON

POWER COMPANY: SDG&E

TELEPHONE COMPANY: AT&T

RF ENGINEER: JORGE MELCHOR
(858) 762-2161

ZONING AGENT: JIM KENNEDY
(619) 791-9887

LEASING AGENT: JEFF GOLDMAN
(619) 506-0858

CONSTRUCTION MANAGER: JESSE ROBOQUOX
(678) 235-4134

LEGAL DESCRIPTION

1.20 AC M/L IN LOT 25&IN LOT 26, (PENDING RECEIPT TITLE REPORT)

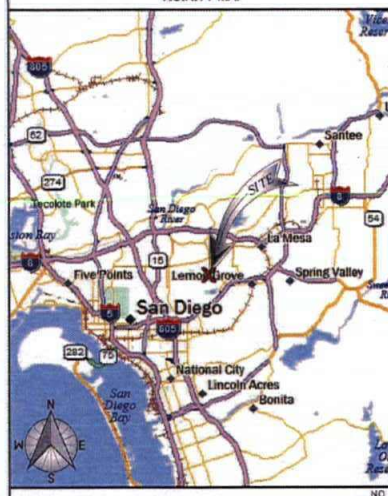
CONTACT INFORMATION

ENGINEER: BLACK & VEATCH CORPORATION
10089 WILLOW CREEK RD, SUITE 350
SAN DIEGO, CA 92131

CONTACT: JOSEPH PALMA
(619) 341-9479

LOCATION MAPS

VICINITY MAP



LOCAL MAP



DRIVING DIRECTIONS

DIRECTIONS FROM AT&T OFFICE: HEAD SOUTH TOWARD WIRELESS WAY; GO 440 FT. TAKE THE 1ST RIGHT ONTO PACIFIC CENTER BOULEVARD; GO 0.2 MI. TURN LEFT ONTO LUEKE BOULEVARD; GO 0.6 MI. TURN RIGHT ONTO MIRA MESA BOULEVARD; GO 1.0 MI. SLIGHT RIGHT ONTO THE INTERSTATE 805 S RAMP; GO 9.3 MI. TAKE THE EXIT ONTO I-8 E TOWARD EL CENTRO; GO 4.2 MI. TAKE THE COLLEGE AVE EXIT; GO 0.2 MI. KEEP RIGHT AT THE FORK, FOLLOW SIGNS FOR ALVARADO ROAD; GO 59 FT. KEEP RIGHT AT THE FORK, FOLLOW SIGNS FOR COLLEGE AVENUE S AND MERGE ONTO COLLEGE AVENUE; GO 1.3 MI. KEEP LEFT TO STAY ON COLLEGE AVENUE; GO 0.6 MI. TURN RIGHT ONTO ROCK STREET; GO 0.1 MI. TAKE THE 3RD LEFT ONTO GAYLE STREET; GO 0.3 MI. TURN RIGHT ONTO HUGHES STREET; GO 0.2 MI. TURN RIGHT; GO 0.1 MI. SITE WILL BE ON THE RIGHT.

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.

LEASING VENDOR: _____ DATE: _____
ZONING VENDOR: _____ DATE: _____
AT&T RF ENGINEER: _____ DATE: _____
CONSTRUCTION MANAGER: _____ DATE: _____
AT&T OPERATIONS: _____ DATE: _____
SITE ACQUISITION MANAGER: _____ DATE: _____
A/E MANAGER: _____ DATE: _____
PROJECT MANAGER: _____ DATE: _____
PROPERTY OWNER: _____ DATE: _____

RF INFORMATION

	LTE	GSM	
Tx	704.0 - 716.0 MHz 1900	869 - 874.6 MHz 890 - 891.4 MHz 1950 - 1952.8 MHz 1970 - 1980 MHz	874.6 - 879.6 MHz 1945 - 1950 MHz
Rx	704.0 - 716.0 MHz 1900	824 - 829.4 MHz 845 - 846.4 MHz 1870 - 1872.6 MHz 1890 - 1900 MHz	829.6 - 834.4 MHz 1865 - 1869.5 MHz
MAX ERP:	500.0 WATTS	MAX ERP: 850 MHz: 54 WATTS 1900 MHz: 54.5 WATTS	

DRAWING INDEX

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C-7	DETAILS	1
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11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED

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



UNDERGROUND
SERVICE ALERT
UTILITIES PROTECTION CENTER, INC.
811

48 HOURS BEFORE YOU DIG



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

SD0300
UNIVERSITY AVENUE
6046 HUGHES STREET
SAN DIEGO, CA 92115
LTE 3C

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

[illegible]



PHOTOGRAPHIC SIMULATIONS

PROPOSED WIRELESS COMMUNICATIONS FACILITY

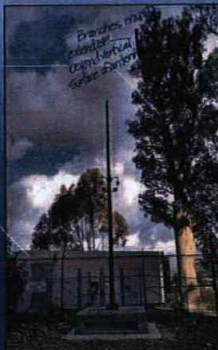


EXISTING AT&T SITE

PROPOSED BRANCHING

EXISTING EQUIPMENT SHELTER

VIEW 1: PHOTOGRAPHIC SIMULATION



BLACK & VEATCH
Building a world of difference.

Created by: Joseph Taulane



PHOTOGRAPHIC SIMULATIONS

PROPOSED WIRELESS COMMUNICATIONS FACILITY



EXISTING AT&T SITE

PROPOSED BRANCHING

VIEW 2: PHOTOGRAPHIC SIMULATION



BLACK & VEATCH
Building a world of difference.

Created by: Joseph Taulane



THE CITY OF SAN DIEGO

April 21, 2015

Approval Type: Substantial Conformance Review (SCR) to
Project No. 35447 (original) 21196/259573
Approval No. 329150/2013/3471803
Expiry: August 30, 2017
SCR Approval No.: 14719140
SCR Project Name: AT&T - Redwood Standpipe SCR
SCR Project No.: 417796
Site Address: 6046 Hughes Street

The Development Services Department has approved a Process 1 SCR for this project. The SCR was determined to be consistent with the objectives, standards, guidelines and/or conditions of the previously approved Permit.

The approved modifications include replacement of two antennas per sector with new panel antennas measuring 66.4" x 11.9" x 7.7". In addition of two new Remote Radio Units and one surge suppressor. Minor modifications will take place within the existing equipment shelter. The requested changes to the previously approved Exhibit "A" for this project have been determined to be consistent with the general intent, terms and conditions of the previous approval (identified above) as well as any other applicable regulations, development standards and guidelines of the Municipal Code in effect for this site. Eight foot antennas are not typically acceptable in forest trees, however, branches will be added to ensure the antennas do not create a flat plane and the location of the antennas, in a grove of mature trees on a water tank site, on a hillside reduce the visibility of the antennas. All applicable and relevant conditions and findings of approval as specified in the previous approval shall remain in full effect for this site, unless otherwise specified by the Development Services Department.

Karen Lyng
Development Project Manager

Revised 7/23/15



5738 PACIFIC CENTER BLVD
SAN DIEGO, CA 92121



BLACK & VEATCH

10950 GRANDVIEW DRIVE
OVERLAND PARK, KANSAS 66210
(913) 458-2000

PROJECT NO.: 129071

DRAWN BY: AB

CHECKED BY: JH

REV	DATE	DESCRIPTION
1	8/16/15	CITY COMMENTS & RE-SCOPING
2	9/16/15	ISSUED FOR BIP



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

SD0300
UNIVERSITY AVENUE
6046 HUGHES STREET
SAN DIEGO, CA 92115
LTE 3C

SHEET TITLE

APPROVED PHOTOSIMS
& SCR LETTER

SHEET NUMBER

T-3

1. THIS SITE PLAN WAS DESIGNED WITHOUT THE BENEFIT OF A SOIL SURVEY AND SHOULD BE USED FOR CONCEPTUAL PURPOSES ONLY.
2. PATRICK H. DOYLE, DO NOT BELIEVE THAT THE STRUCTURE(S) OR MODIFICATION TO EXISTING STRUCTURE(S) SHOWN ON THESE PLANS DO NOT REQUIRE A LICENSED ARCHITECTURAL/ENGINEERING DEGREE.
3. THE COST OF FLOOD CONTROL 77 MODIFICATION IS NOT FIRMED IN 18
4. REPLACE FALLEN OR MISSING BRANCHES WITH LNA FOR WIND EQUIPMENT.
5. THE EXISTING CROWN IS CURRENTLY BEING ANALYZED BY OTHERS TO DETERMINE ITS STRUCTURAL CAPACITY TO CARRY THE PROPOSED NEW COAD AND ANTENNAS. THEREFORE, THE EXISTING CROWN SHOULD BE CONSIDERED AS "SUFFICIENT CAPACITY" TO SUPPORT THE PROPOSED NEW DECK, INSTALLATION OF THE COAD AND ANTENNAS. HOWEVER, THE EXISTING CROWN AND ANTENNA ARE NOT TO BE USED FOR ANY OTHER PURPOSES OTHER THAN THE USE OR USES SPECIFIED BY BLACK & VEATCH. CO-ORDINATION SHALL BE REQUIRED FOR THE DESIGN, ANALYSIS, AND CONSTRUCTION OF THE PROPOSED ANTENNA AND DECK.

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF ANY CONSTRUCTION AND WASH DOWNS (ADJACENT STREETS), DUE TO CONSTRUCTION VEHICLES OF ALL SORTS AND ALL CONSTRUCTION ACTIVITY, AT THE END OF EACH DAY AND AT THE END OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF ANY CONSTRUCTION VEHICLES OF ALL SORTS AND ALL CONSTRUCTION ACTIVITY, AT THE END OF EACH DAY AND AT THE END OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF ANY CONSTRUCTION VEHICLES OF ALL SORTS AND ALL CONSTRUCTION ACTIVITY, AT THE END OF EACH DAY AND AT THE END OF THE PROJECT.

2. ALL STRUCTURES OF SOIL AND/OR BUILDING MATERIALS THAT ARE HEAVILY TO BE LEFT FOR A PERIOD GREATER THAN TENCH CHAIRS DAPS ALL TO BE GUARDED. ALL GUARDING SHALL BE DONE BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GUARDING ALL GUARDING SHALL BE DONE BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GUARDING ALL GUARDING SHALL BE DONE BY THE CONTRACTOR.

3. A CONCRETE PAVEMENT SHALL BE PROVIDED ON ALL PROJECTS WHICH PROVIDES THE CONSTRUCTION OF ANY CONCRETE PAVEMENTS AND ALSO TO IT PROVIDE IN PLACE ON SITE.

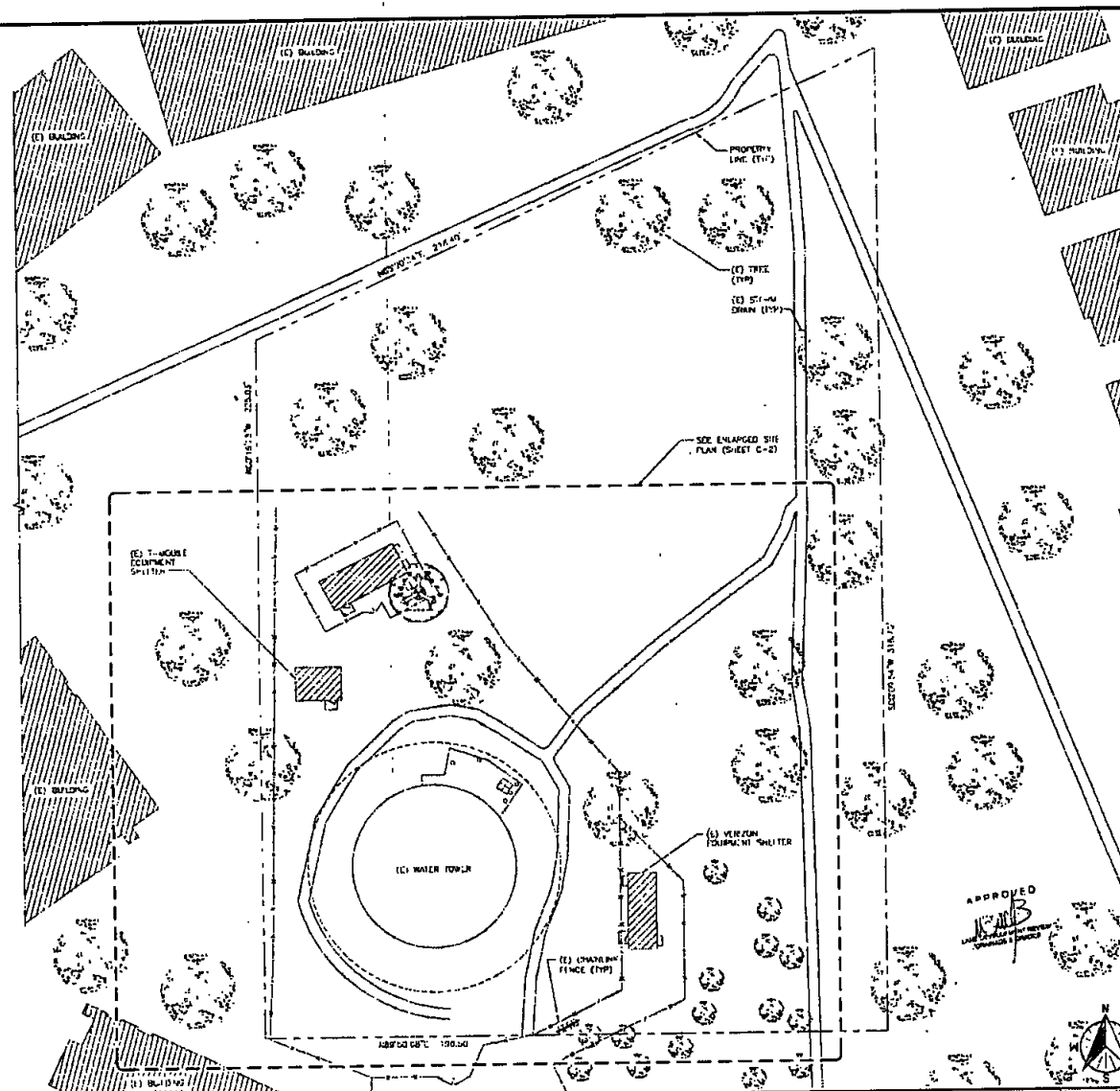
4. THE CONTRACTOR SHALL RESTORE ALL EROSION/SLURRY CONTROL MEASURES TO ORIGINAL OR BETTER CONDITION AND REPAIR OR REPLACE ANY DAMAGED OR DESTROYED MATERIALS AT ALL TIMES.

5. ALL SLOPES THAT ARE CREATED OR DISRUPTED BY CONSTRUCTION ACTIVITY MUST BE PROTECTED AGAINST EROSION AND SLURRY CONTROL MEASURES AT ALL TIMES.

6. THE STORAGE OF ALL CONSTRUCTION MATERIALS AND EQUIPMENT MUST BE SEPARATED FROM THE WORK AREA AND MUST BE PROTECTED AGAINST EROSION AND SLURRY CONTROL MEASURES AT ALL TIMES.

TOTAL DISTURBANCE AREA			
DESCRIPTION	NEW (FT ²)	REMOVAL (FT ²)	TOTAL (FT ²)
NEW BUILDING(S)	0	0	0
NEW HARDSCAPE/CONCRETE	0	0	0
NEW LANDSCAPE AREAS	0	0	0
TOTAL (FT ²)	±0	±0	±0

*NO SITE GRADING IS BEING PROPOSED PER THIS PERMIT.



5738 PACIFIC CENTER BLVD
SAN DIEGO CA 92121



BLACK & VEATCH

10350 GRANEY CRY DRIVE
OVERLAND PARK, KANSAS 66210
(913) 458-2007

PROJECT NO. 129071

DRAWN BY: AW

QUICKED BY: JS

1	03/26/75	CITY COMPLETES 0 OF 12 - SECURED
0	01/16/72	COULD FOR BP
REV	DATE	DESCRIPTION



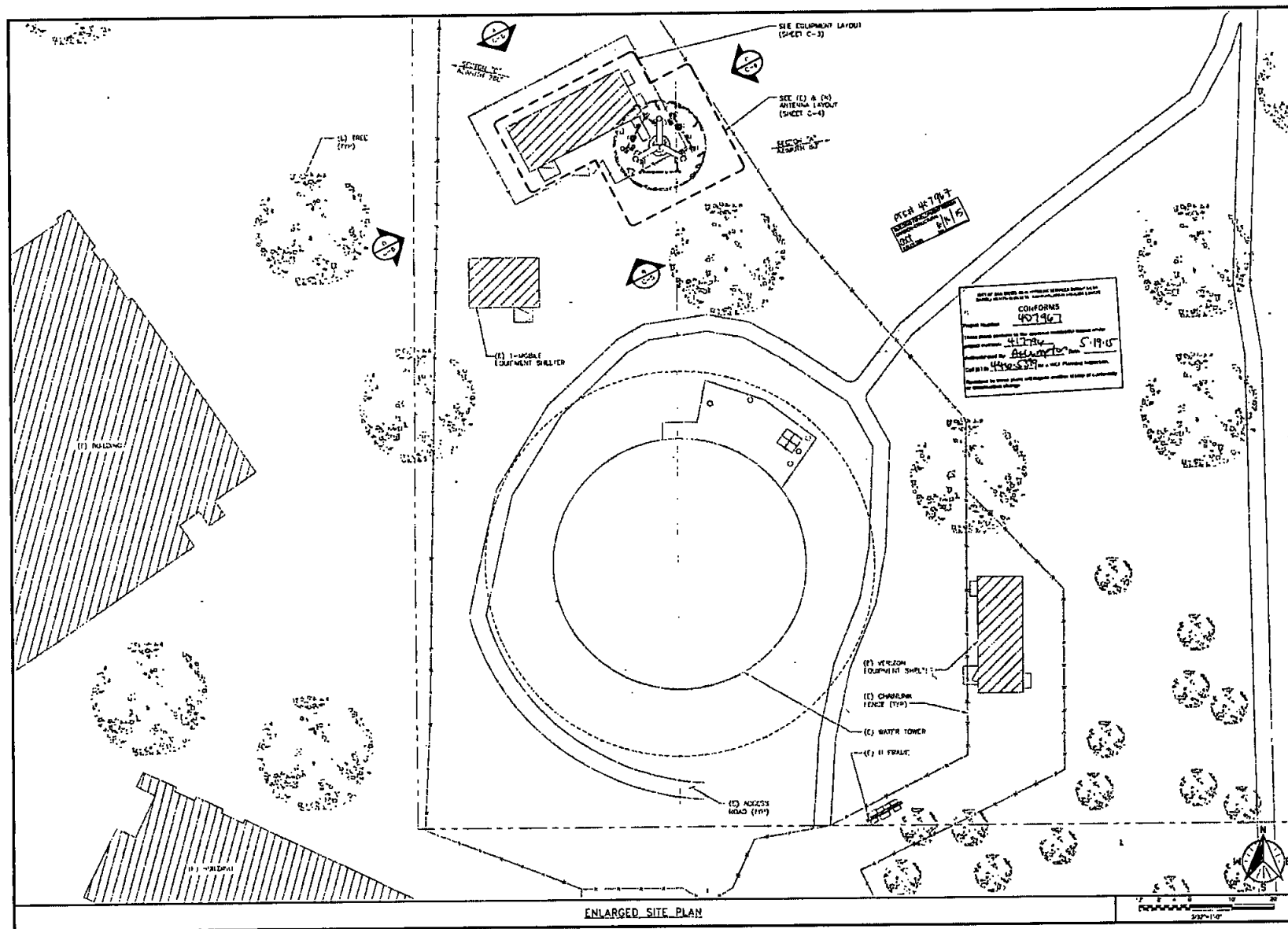
IT IS A VIOLATION OF LAW FOR ANY PERSON
USING ANY ACTING UNDER THE PROVISION
OF A LICENSE WITHOUT A LICENSE NUMBER
IN THE "LICENSE" FIELD.

SD0300
UNIVERSITY AVENUE
6046 HUGHES STREET
SAN DIEGO, CA 92115
LTE (3C)

SHEET TITLE
SITE PLAN

SHEET NUMBER

C-1



5738 PACIFIC CENTER BLVD
SAN DIEGO, CA 92121



BLACK & VEATCH

10050 CHANDLER DRIVE
OVERLAND PARK, KANSAS 66210
(913) 456-2000

PROJECT NO: 125071

DRAWN BY: AN

CHECKED BY: JC

REV	DATE	DESCRIPTION
1	04/24/15	REV COMMENTS & CL-NOVING
0	01/14/15	ISSUED FOR RF



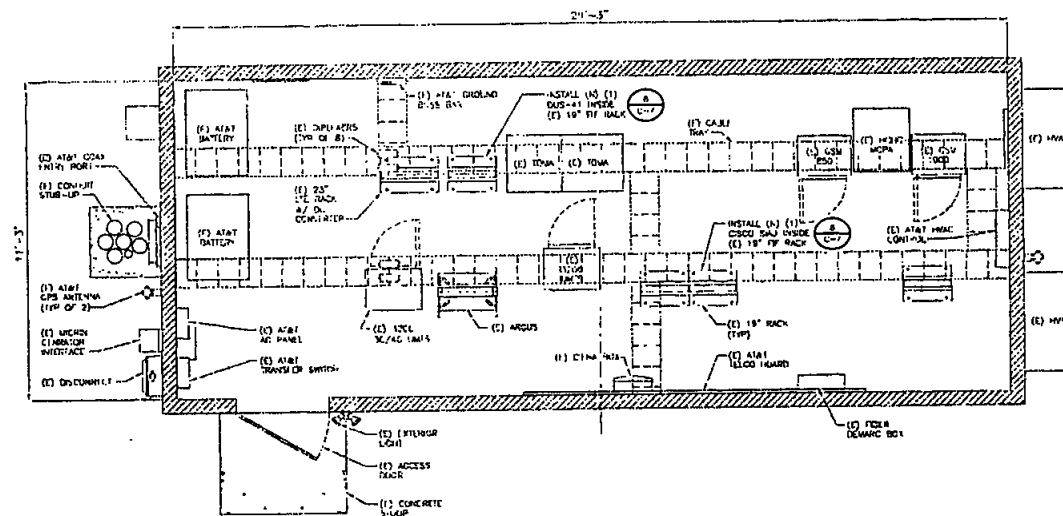
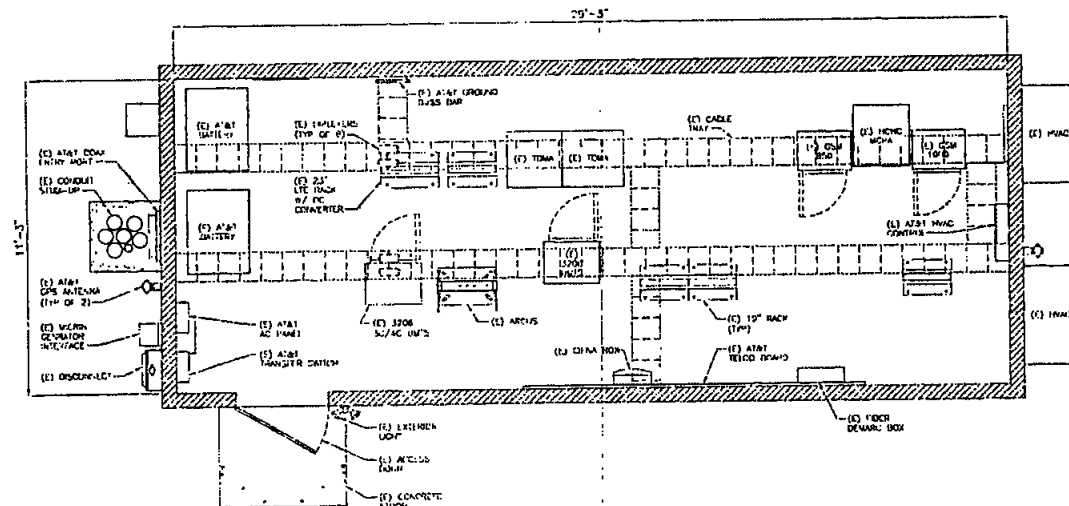
IT IS A VIOLATION OF LAW FOR ANY PERSON
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER
TO ALTER THIS DOCUMENT.

S00300
UNIVERSITY AVENUE
6046 HUGHES STREET
SAN DIEGO, CA 92115
LTE 5G

SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER

C-2



2735 PACIFIC CENTER BLVD
SAN DIEGO, CA 92121

**BLACK & VEATCH**

10850 GRANDVIEW DRIVE
OVERLAND PARK, KANSAS 66210
(913) 428-2000

PROJECT NO: 120071

DRAWN BY: A6

CHECKED BY: JC

1	02/26/10	UPP COMPLETIONS & DECOMPLETIONS
C	01/16/13	DELETED FOR A/P
RLS	DATE	DESCRIPTION



IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL INDIVIDUAL TO ALTER THIS DOCUMENT.

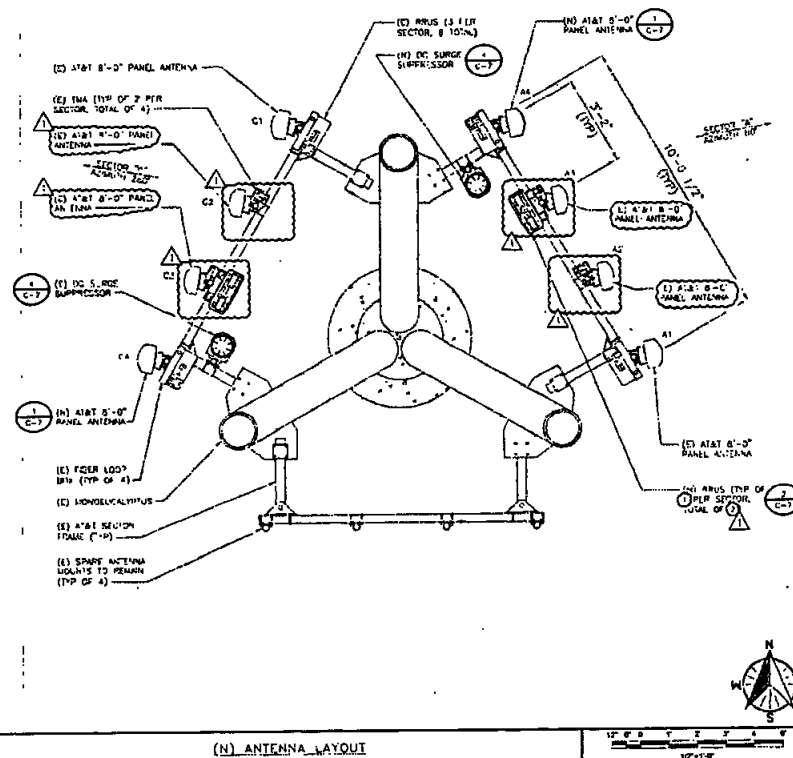
SD0300
UNIVERSITY AVENUE
6046 HUGHES STIRLET
SAN DIEGO, CA 92115
LTF. (SC)

SHEET TITLE
EQUIPMENT LAYOUT

SHEET NUMBER

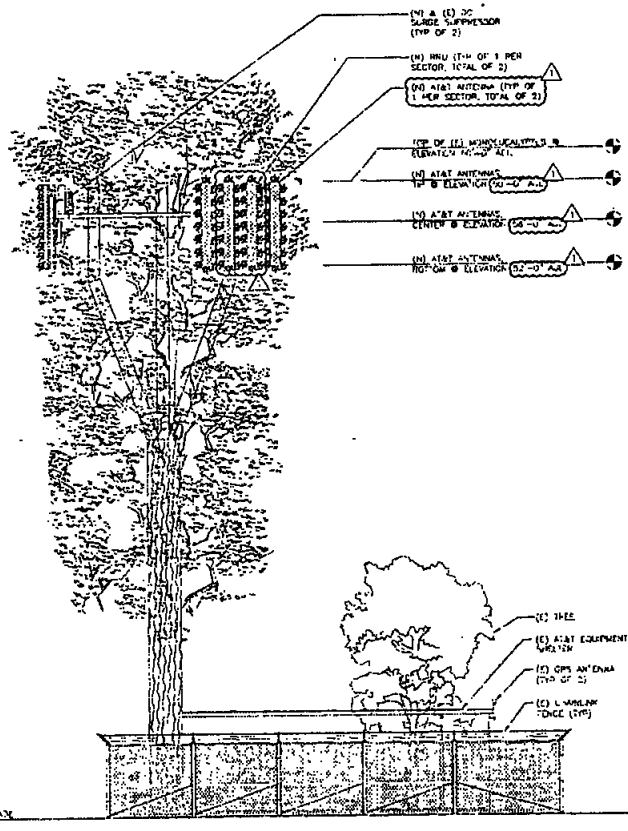
C-3

DC POWER TRUNK CABLES HAVE MULTIPLE CONDUCTORS WITH EACH CABLE ASSEMBLY, CAPABLE OF PROVIDING POWER FOR THREE RUL'S

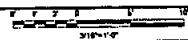


NOTE:

1. ANY AND ALL BRANCHING RECEPTACLES THAT ARE EITHER EMPTY OR THAT CONTAIN BROKEN BRANCHING SHALL BE FITTED WITH NEW BRANCHING MATERIALS.



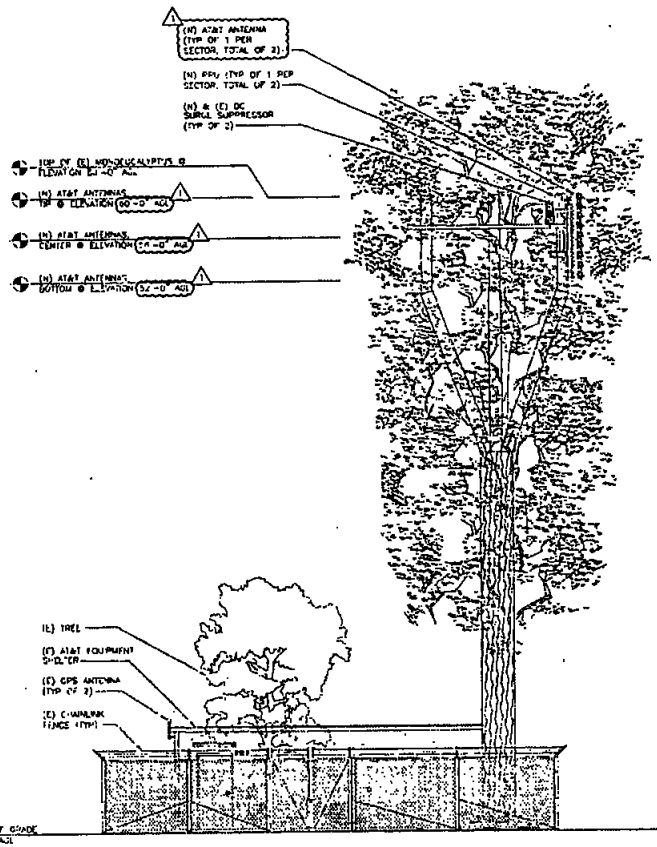
NORTHWEST ELEVATION



A

NOTE:

1. ANY AND ALL BRANCHING RECEPTACLES THAT ARE EITHER EMPTY OR THAT CONTAIN BROKEN BRANCHING SHALL BE FITTED WITH NEW BRANCHING MATERIALS.



SOUTHEAST ELEVATION

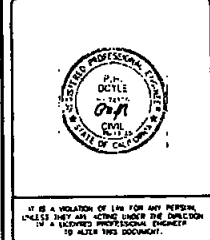


B



PROJECT NO: 122071
DRAWN BY: AM
CHECKED BY: JC

1	DESIGNED BY	DATE	REVISION
2	DRAWN BY	DATE	REVISION
3	CHECKED BY	DATE	REVISION
4	APPROVED BY	DATE	REVISION
5	DESIGNED BY	DATE	REVISION
6	DRAWN BY	DATE	REVISION
7	CHECKED BY	DATE	REVISION
8	APPROVED BY	DATE	REVISION



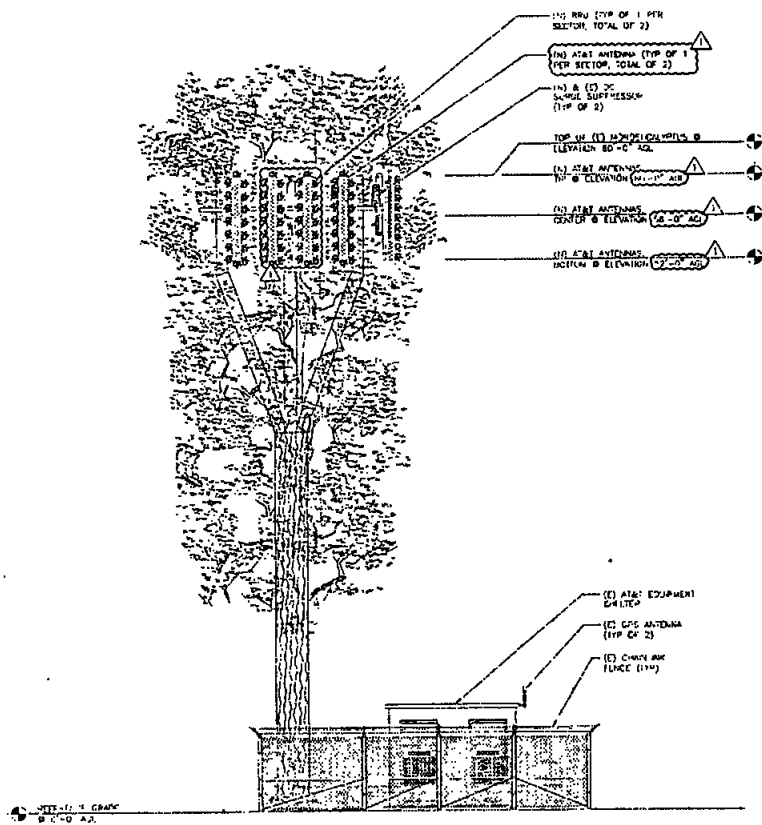
SD0300
UNIVERSITY AVENUE
6046 HUGHES STREET
SAN DIEGO, CA 92115
LTE (SC)

SHEET TITLE
ELEVATIONS

SHEET NUMBER
C-5

NOTE:

1. ANY AND ALL BRANCHING RECEPTACLES THAT ARE EITHER EMPTY OR THAT CONTAIN BROKEN BRANCHING SHALL BE FITTED WITH NEW BRANCHING MATERIALS.



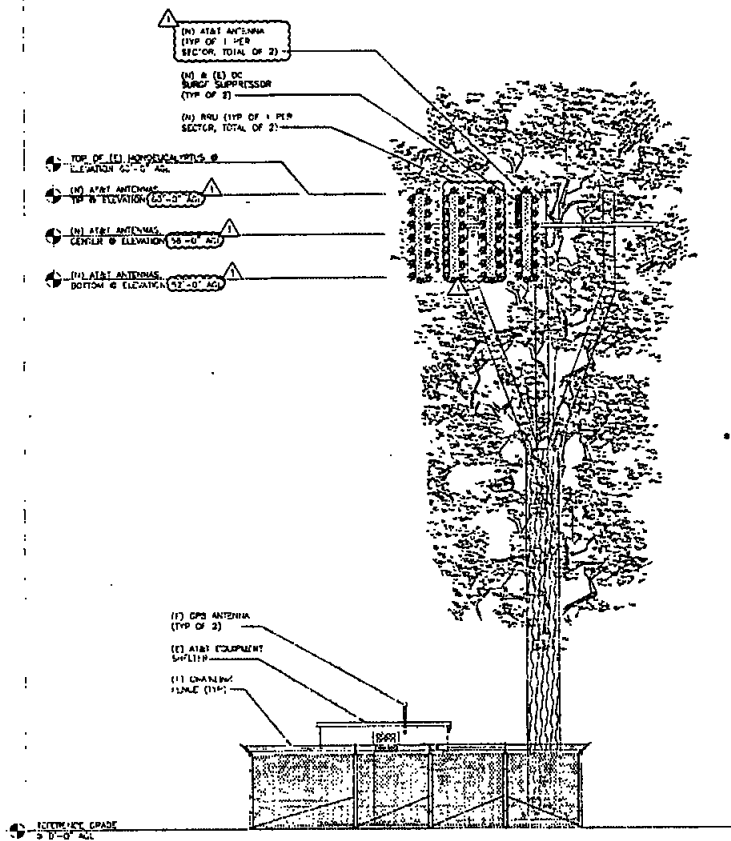
NORTHEAST ELEVATION



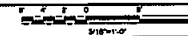
C

NOTE:

1. ANY AND ALL BRANCHING RECEPTACLES THAT ARE EITHER EMPTY OR THAT CONTAIN BROKEN BRANCHING SHALL BE FITTED WITH NEW BRANCHING MATERIALS.



SOUTHWEST ELEVATION



D



5736 PACIFIC CENTER BLVD
SAN DIEGO, CA 92121



BLACK & VEATCH

10950 GRANDVIEW DRIVE
OVERLAND PARK, KANSAS 66210
(913) 452-7000

PROJECT NO. 129071

DRAWN BY: JH

CHECKED BY: JC

REV	DATE	DESCRIPTION
1	04/04/10	CITY COMMENTS & CHANGES
2	01/14/10	REDES FOR BP
3		
4		
5		
6		
7		
8		
9		
10		



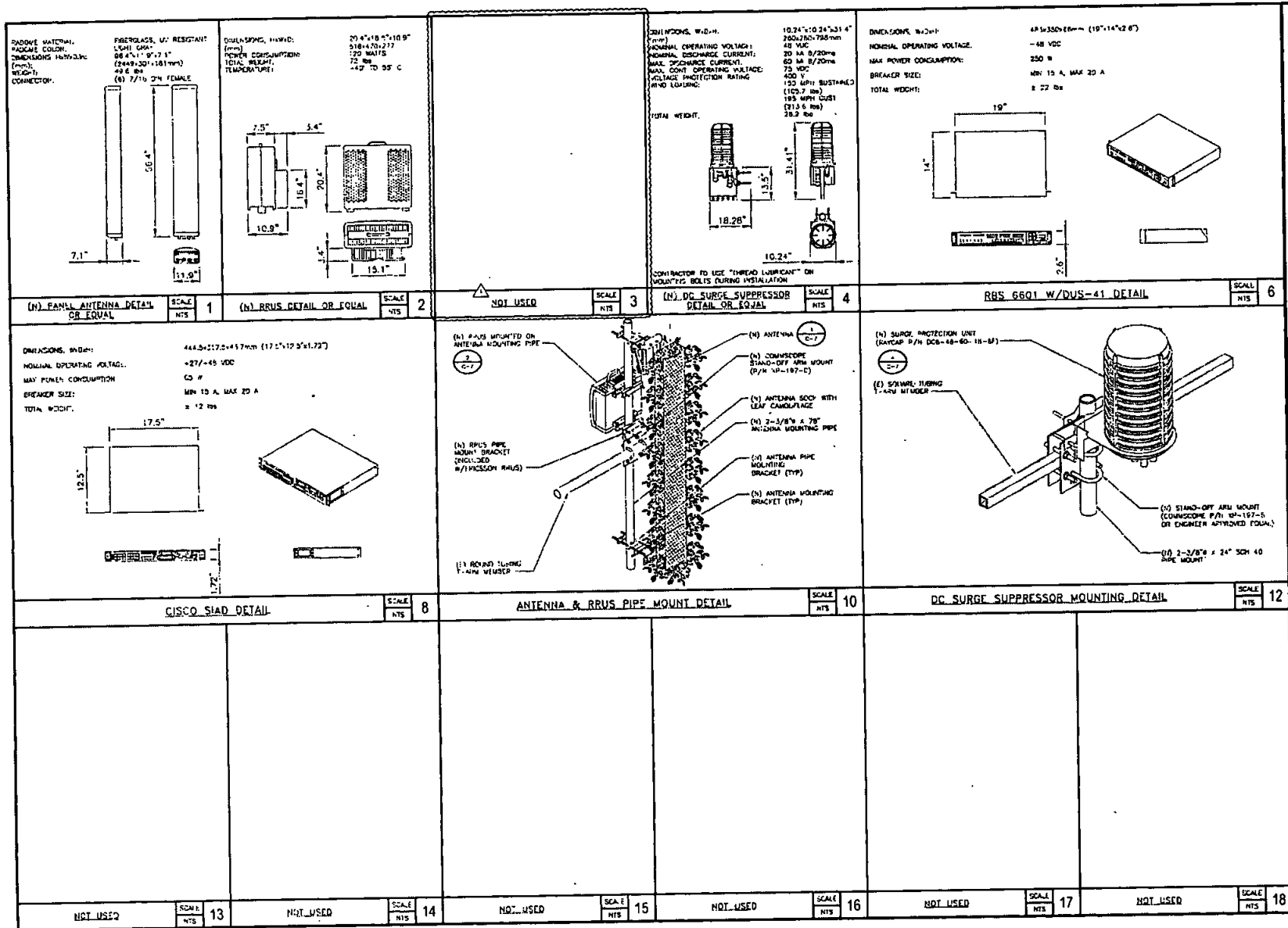
IT IS A VIOLATION OF LAW FOR ANY PERSON
UNLESS THEY ARE SETTING UNDER THE SUPERVISION
OF A LICENSED PROFESSIONAL ENGINEER
TO ALTER THIS DOCUMENT

SD0300
UNIVERSITY AVENUE
6046 HUGHES STREET
SAN DIEGO, CA 92115
LIC 41411

SHEET TITLE:
ELEVATIONS

SHEET NUMBER

C-6



5728 PACIFIC CENTER BLVD
SAN DIEGO, CA 92121

10550 GRANDVIEW DRIVE
OVERLAND PARK, KANSAS 66210
(913) 458-2000

PROJECT NO.	129071	
DRAWN BY:	AB	
CHECKED BY:	JD	
DATE	DESCRIPTION	
1	8/26/19	CITY COMMENTS & RE-SCOPING
2	8/27/19	ISSUED FOR BP
3	DATE	DESCRIPTION

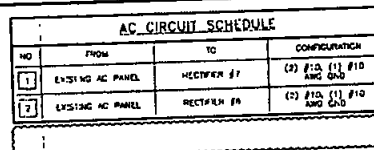
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO REUSE THIS DOCUMENT.

SD0300
UNIVERSITY AVENUE
6045 HUGHES STREET
SAN DIEGO, CA 92115
LTE

SHEET TITLE
DETAILS

SHEET NUMBER
C-7





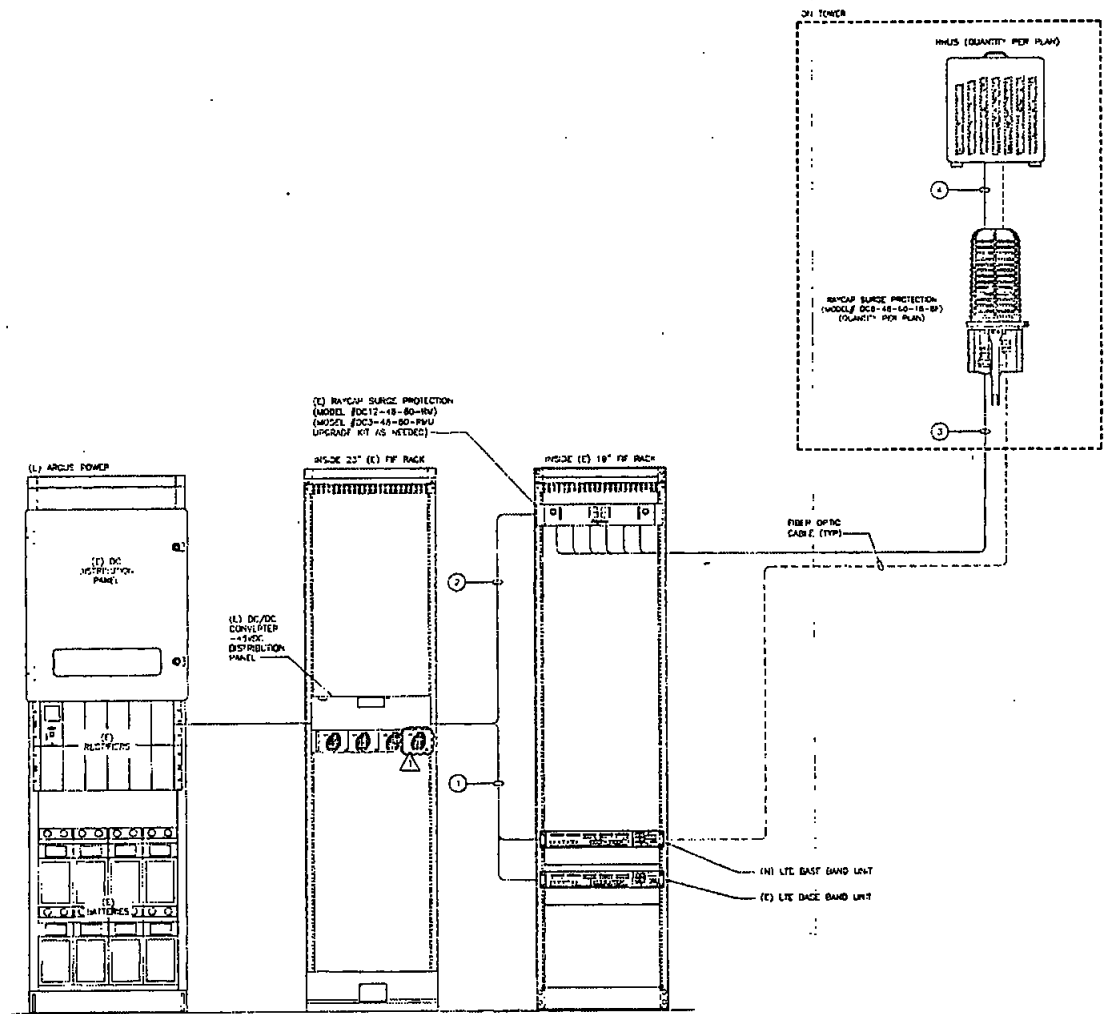
- AC ONE-LINE DIAGRAM

SCALE	1.75
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NOTES:

LOAD CENTER SCHEDULE - MAIN





ELECTRICAL DC ONE-LINE DIAGRAM (INDCOB TOWER)

FIBER OPTIC CABLE
DC POWER CABLE

LEGEND

1. THESE ELECTRICAL PLANS ARE SUPPLEMENTARY TO CIVIL ENGINEERING ACTIVITIES, AS DEFINED BY CAL. BUS & PROF. CODE 86731. THEREFORE, IN ACCORDANCE WITH CAL. BUS & PROF. CODE 86732.2, THESE PLANS HAVE BEEN PREPARED UNDER THE RESPONSIBLE CHARGE OF THE CAL. LICENSED AND REGISTERED ARCHITECT OR ENGINEER WHOSE SEAL AND SIGNATURE APPEAR ON PLANS.
2. DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING +24V AND -48V CONDUCTORS. RED MARKINGS SHALL IDENTIFY +24V AND BLUE MARKINGS SHALL IDENTIFY -48V. REFER TO ATT-002-290-701.
3. NON-LTE DC POWER WIRING SIZE 14 AWG TO 10 AND SHALL BE TELECOMPLEX N. DC POWER WIRING 8 AWG AND LARGER SHALL BE TELECOMPLEX N.
4. LTE POWER WIRING SHALL BE IN ACCORDANCE WITH ATT-002-290-531.
5. DC ELECTRICAL LOAD DEMAND FOR PROPOSED ADDITIONS WERE INCLUDED IN THE PRIOR AC LOAD CALCULATION.

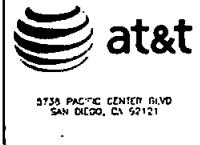
NOTES

DC CIRCUIT SCHEDULE

FROM	TO	CONFIGURATION
① -48VDC DISTRIBUTION PANEL	LTE BASE BAND UNIT	(7) #10 TELECOMPLEX N DC CABLE
② -48VDC DISTRIBUTION PANEL	RAYCAP SURGE PROTECTION DC12-48-80-RM	(5) #10 TELECOMPLEX N DC CABLE
③ RAYCAP SURGE PROTECTION DC12-48-80-RM	RAYCAP SURGE PROTECTION DC8-48-80-18-BF	(2) 8-18 THHN/THWN-1 TYPE TC-EM DC CABLE
④ RAYCAP SURGE PROTECTION DC8-48-80-18-BF	RNUS (REMOTE RADIO UNIT)	(1) 2-#12 THHN/THWN-1 TYPE TC-FR DC CABLE

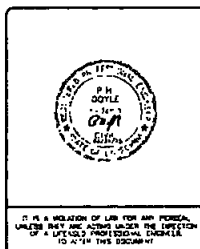
SCHEDULE

REV	DATE	DESCRIPTION
1	01/26/18	DC CIRCUIT SCHEDULE & RE-SCHEMATIC
2	01/26/18	ISSUED FOR RF



PROJECT NO: 120071
DRAWN BY: AB
CHECKED BY: JC

REV	DATE	DESCRIPTION
1	01/26/18	DC CIRCUIT SCHEDULE & RE-SCHEMATIC
2	01/26/18	ISSUED FOR RF



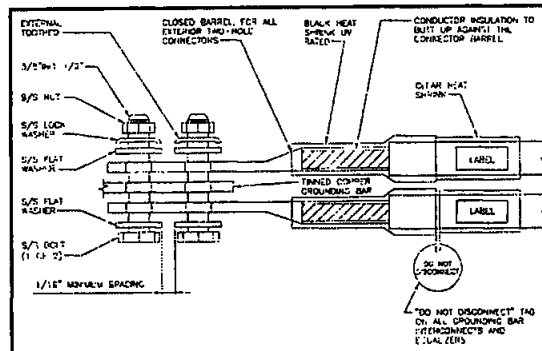
500300
UNIVERSITY AVENUE
6046 HUGHES STREET
SAN DIEGO, CA 92115
LTE

SHEET TITLE
ELECTRICAL DC ONE-LINE DIAGRAM

SHEET NUMBER
E-3

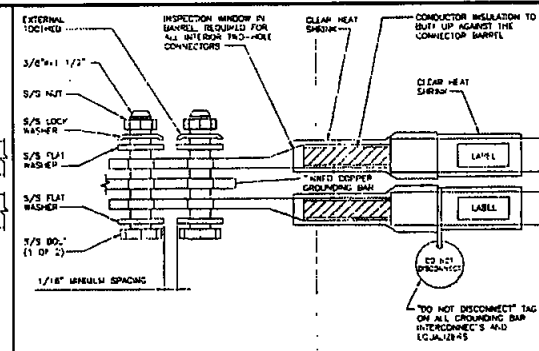
SCALE
N/A

NOT USED



EXTERIOR TWO-HOLE LUG DETAIL

SCALE
NTS A



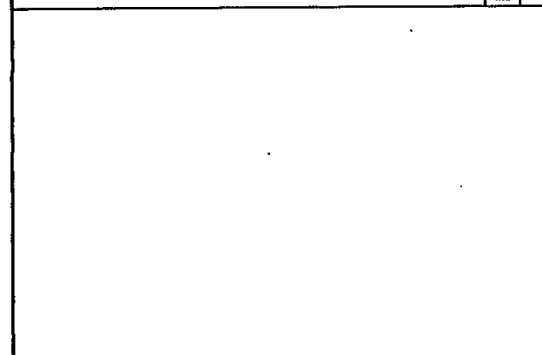
INTERIOR TWO-HOLE LUG DETAIL

SCALE
NTS B

1. EXTERIOR WELD BY AND BARE TAPER SOLID COPPER CONDUCTOR TO GROUND BAR. ROUTE CONDUCTOR TO BUNDLED GROUNDING ROD AND PROVIDE PARALLEL EXTERIOR WELD.
2. ALL GROUNDING BARS SHALL BE STAMPED IN TO THE METAL "IF STOLEN DO NOT REMOVE" THE CONTRACTOR SHALL USE PERMANENT MARKING TO SPACER THE LINE BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "B") WITH 1" HIGH LETTERS.
3. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
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. DO NOT INSTALL CABLE GROUND KIT AT A BOND AND ALWAYS DIRECT GROUNDING CONDUCTOR DOWN TO GROUNDING BUS.
6. NUT & WASHER SHALL BE PLACED ON THE FRONT LOC OF THE GROUND BAR AND BOLTED ON THE BACK END. INSTALL BLACK HEAT-SHRINKING TUBE. DO NOT INSULATE ON ALL GROUNDING TERMINATIONS. THE INTENT IS TO WEATHER-PROOF THE COMPRESSION CONNECTION.
7. SUPPLIED AND INSTALLED BY CONTRACTOR.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BARS AS REQUIRED, PROVIDING 50% SPARE CONNECTION POINTS.
9. ENSURE THE WIRE INSULATION (TERMINATION IS WITHIN 1/8" OF THE BARE). (NO SHORTS).

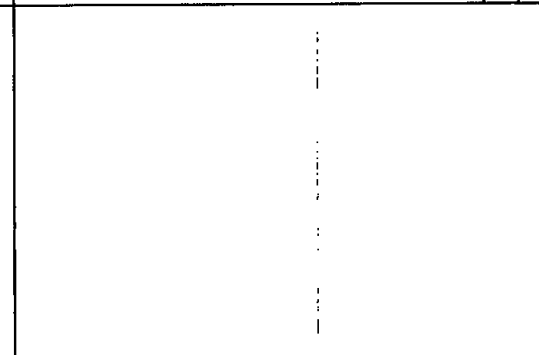
NOTES

SCALE
NTS C



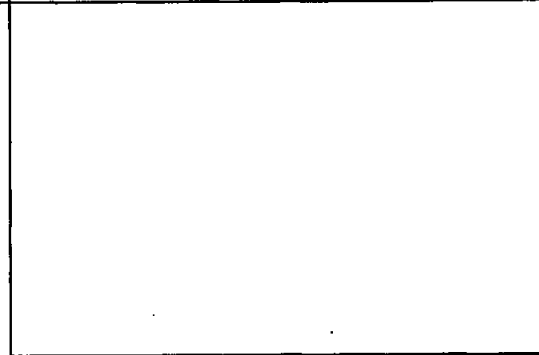
NOT USED

SCALE
NTS D



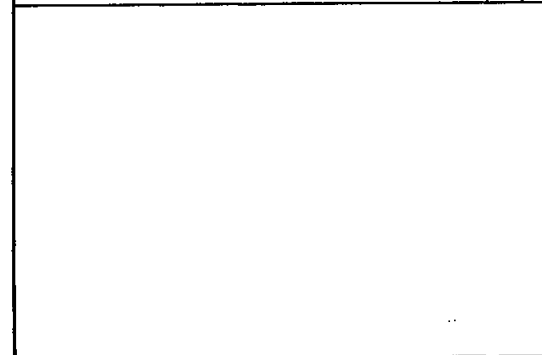
NOT USED

SCALE
NTS E



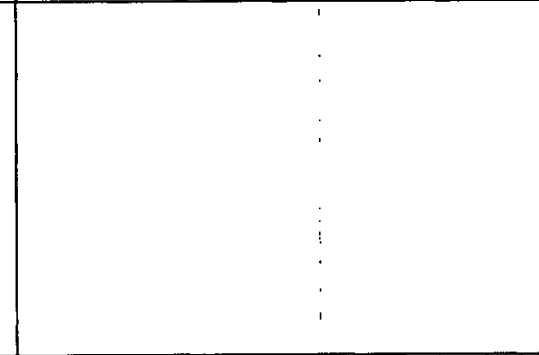
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SCALE
NTS F



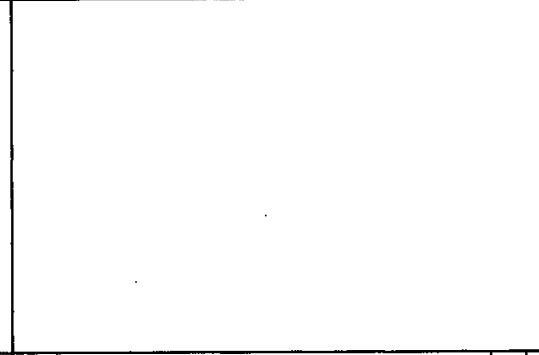
NOT USED

SCALE
NTS G



NOT USED

SCALE
NTS H



NOT USED

SCALE
NTS J



5735 PACIFIC CENTER BLVD
SAN DIEGO, CA 92121



BLACK & VEATCH

10950 GRANVIEW DRIVE
CHILMARK, MA 01915 68910
(513) 415-7000

PROJECT NO:	124071
DRAWN BY:	AW
CHECKED BY:	JD
DATE:	
REV:	
DATE:	
DESCRIPTION:	



IT IS A VIOLATION OF LAW FOR ANY PERSON
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER
TO ALTER THIS DOCUMENT.

500300
UNIVERSITY AVENUE
6046 HUGHES STREET
SAN DIEGO, CA 92115
LTE

SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER

G-2

- ## GENERAL NOTES

LEGEND

ABBREVIATIONS

[illegible]

PART 1 - GENERAL

1.1 GENERAL CONDITIONS

- A. CONTRACTOR SHALL VERIFY THE EXISTING SITE CONDITIONS PRIOR TO SUBMITTING BID. ANY QUESTIONS ARISING DURING THE BID PERIOD SHOULD BE BROUGHT TO THE SUBCONTRACTOR'S ATTENTION PRIOR TO THE END OF THE BID PERIOD. ANY QUESTIONS RELATING TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE PROJECT MANAGER FOR CLARIFICATION. NOT AFTER THE CONTRACT HAS BEEN AWARDED.
- B. THE SUBCONTRACTOR SHALL OBTAIN PERMITS, LICENSES, MAPS, ALL ERECTIONS, AND PAY ALL FEES REQUIRED FOR THE CONSTRUCTION MANIFESTATION FOR THE WORK UNDER THIS SPECIAL.
- C. DRAWINGS SHOW THE GENERAL ARRANGEMENTS OF ALL SYSTEMS AND COMPONENTS CONTAINED UNDER THIS SECTION. THE SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS. DRAWING SHALL NOT BE SCALED TO DETERMINE DIMENSIONS.

1.2 LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES

- A. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2013 EDITION OF THE CALIFORNIA ELECTRICAL CODE, AND ALL APPLICABLE LOCAL LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES. CONDUIT BOWS SHALL BE THE RADIOUS DEMO FOR THE RADIOUS SIZE OF CONDUIT IN COMPLIANCE WITH THE 2013 EDITION OF THE CODE.

1.3 REFERENCES

- A. THE PUBLICATIONS LISTED BELOW ARE PART OF THIS SPECIFICATION. EACH PUBLICATION SHALL BE THE LATEST EDITION AND ANY CHANGE IN EFFECT ON THE DATE THIS SPECIFICATION IS ISSUED FOR CONSTRUCTION. UNLESS OTHERWISE NOTED, EXCEPT AS MODIFIED BY THE REQUIREMENT SPECIFIED HEREIN ON THE OTHER SHEETS OF THE DRAWINGS, WORK INDICATED IN THIS SPECIFICATION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THESE PUBLICATIONS.

1. ANSI/IEEE (AMERICAN NATIONAL STANDARDS INSTITUTE)
2. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS)
3. IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS)
4. NFPA (NATIONAL ELECTRICAL SAFETY ASSOCIATION)
5. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)
6. OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION)
7. UL (UNDERWRITERS LABORATORIES, INC.)
8. ALL OTHERS AND RELATED STANDARDS TO 70-1416

1.4 SCOPE OF WORK

- A. WORK UNDER THIS SECTION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIAL, AND ASSOCIATED SERVICES PROVIDED TO COMPLETE PREPARED CONSTRUCTION AND ELECTRICAL.
- B. ALL ELECTRICAL EQUIPMENT UNDER THIS CONTRACT SHALL BE PROPERLY TESTED, ADJUSTED, AND ALIGNED BY THE SUBCONTRACTOR.
- C. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATING, DRAINING, TRENCHING, BACKFILLING, AND REMOVAL OF EXISTING.
- D. THE SUBCONTRACTOR SHALL FURNISH TO THE OWNER WITH CERTIFICATION OF A FINAL INSPECTION AND APPROVAL FROM THE INSPECTION AUTHORITY HAVING JURISDICTION.
- E. THE SUBCONTRACTOR SHALL PREPARE A COMPLETE SET OF AS-BUILT DRAWINGS, INCLUDING ALL SYSTEMS, EQUIPMENT, CONDITIONS AND CHANGES WHILE COMPLETING THIS CONTRACT. THE AS-BUILT DRAWINGS SHALL BE SUBMITTED AT COMPLETION OF THE PROJECT.

1.5 MATERIALS

- A. ALL MATERIALS AND EQUIPMENT SHALL BE UL LISTED, NEW, AND FREE FROM DEFECTS.
- B. ALL TYPES OF MATERIALS AND EQUIPMENT SHALL BE ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION AS LISTED FOR THIS USE INTENDED.
- C. ALL EQUIPMENT SHALL BEAPPROVED BY THE UNDERWRITERS LABORATORY'S LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENTS OF THE CALIFORNIA ELECTRICAL CODE.
- D. ALL EQUIPMENT OR EQUIPMENT SHALL HAVE AN INTERMEDIATE CURRENT RATING EQUAL TO OR GREATER THAN THE SHORT CIRCUIT CURRENT IN THE SYSTEM THEY ARE SUBJECT TO. 10,000 AC AMPERES, 15,000 AC AMPERES, 20,000 AC AMPERES, 25,000 AC AMPERES, 30,000 AC AMPERES, 35,000 AC AMPERES, 40,000 AC AMPERES, 45,000 AC AMPERES, 50,000 AC AMPERES, 55,000 AC AMPERES, 60,000 AC AMPERES, 65,000 AC AMPERES, 70,000 AC AMPERES, 75,000 AC AMPERES, 80,000 AC AMPERES, 85,000 AC AMPERES, 90,000 AC AMPERES, 95,000 AC AMPERES, 100,000 AC AMPERES, 105,000 AC AMPERES, 110,000 AC AMPERES, 115,000 AC AMPERES, 120,000 AC AMPERES, 125,000 AC AMPERES, 130,000 AC AMPERES, 135,000 AC AMPERES, 140,000 AC AMPERES, 145,000 AC AMPERES, 150,000 AC AMPERES, 155,000 AC AMPERES, 160,000 AC AMPERES, 165,000 AC AMPERES, 170,000 AC AMPERES, 175,000 AC AMPERES, 180,000 AC AMPERES, 185,000 AC AMPERES, 190,000 AC AMPERES, 195,000 AC AMPERES, 200,000 AC AMPERES, 205,000 AC AMPERES, 210,000 AC AMPERES, 215,000 AC AMPERES, 220,000 AC AMPERES, 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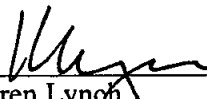
THE CITY OF SAN DIEGO

April 21, 2015

Approval Type: Substantial Conformance Review (SCR) to
Project No. 55447(original)/211096/259573
Approval No.'s:293929/293930/471003
Expires: August 30, 2017
SCR Approval No.: 14710140
SCR Project Name: AT&T- Redwood Standpipe SCR
SCR Project No.: 417796
Site Address: 6046 Hughes Street

The Development Services Department has approved a Process 1 SCR for this project. The SCR was determined to be consistent with the objectives, standards, guidelines and/or conditions of the previously approved Permit.

The approved modifications include replacement of two antennas per sector with new panel antennas measuring 96.4' x 11.9' x 7.1', the addition of two new Remote Radio Units and one surge suppressor. Minor modifications will take place within the existing equipment shelter. The requested changes to the previously approved Exhibits "A" for this project have been determined to be consistent with the general intent, terms and conditions of the previous approval (identified above) as well as any other applicable regulations, development standards and guidelines of the Municipal Code in effect for this site. Eight foot antennas are not typically acceptable in faux trees, however, branches will be added to ensure the antennas do not create a flat plane and the location of the faux tree, in a grove of mature trees on a water tank site, on a hillside reduce the visibility of the antennas. All applicable and relevant conditions and findings of approval as specified in the previous approval shall remain in full effect for this site, unless otherwise specified by the Development Services Department.



Karen Lynch
Development Project Manager



PHOTOGRAPHIC SIMULATIONS

PROPOSED WIRELESS COMMUNICATIONS FACILITY



VIEW 2: EXISTING SITE - LOOKING NORTH

EXISTING AT&T SITE

PROPOSED BRANCHING

CITY OF SAN DIEGO - DEVELOPMENT SERVICES DEPARTMENT
ENTITLEMENTS - WIRELESS COMMUNICATION FACILITIES

APPROVED EXHIBIT "A"
PROCESS 1 APPROVAL

This is a Zoning Use Certificate approval. This does not replace any required construction permits. See approval notes within plan set for more details.

Project Number: 417196
Approval Date: 4/21/15
Signed (1st Sheet): [Signature]



BLACK & VEATCH

Building a world of difference.

Branches must extend a minimum of 24" beyond vertical surface of antennas
Created by: Joseph Taulane

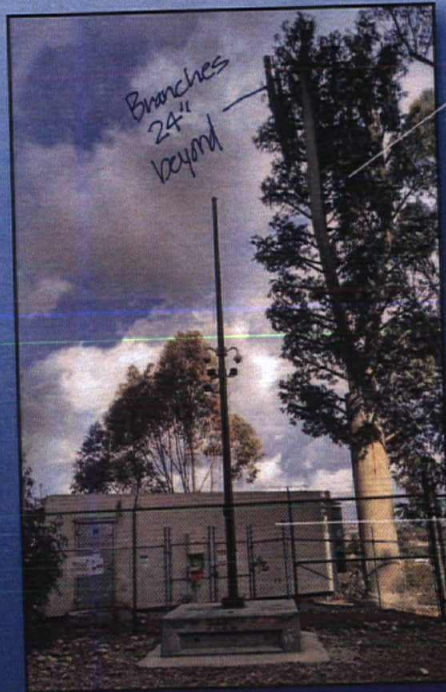
VIEW 2: PHOTOGRAPHIC SIMULATION





PHOTOGRAPHIC SIMULATIONS

PROPOSED WIRELESS COMMUNICATIONS FACILITY



VIEW 1: EXISTING SITE - LOOKING WEST

EXISTING AT&T SITE

PROPOSED BRANCHING

EXISTING EQUIPMENT SHELTER

REGIO-DEVELOPMENT SERVICES DEPARTMENT
ITS-WIRELESS COMMUNICATION FACILITY

PROVED EXHIBIT "A" PROCESS 1 APPROVAL

This is a Planning Use Certificate approval. This does not constitute any required construction permits. See all notes within plan set for more details.

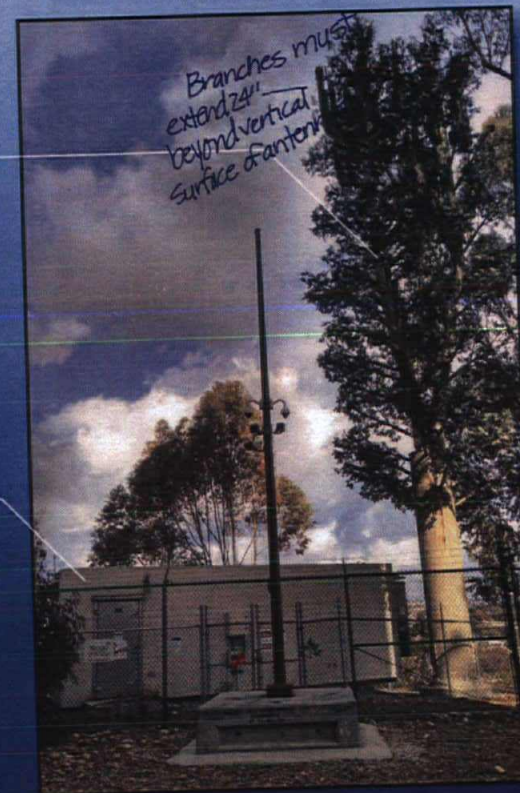
Project Number: 417796
Approval Date: 4/21/15
Signature: [Signature]



BLACK & VEATCH
Building a world of difference.

Created by: Joseph Taulane

VIEW 1: PHOTOGRAPHIC SIMULATION





**THE CITY OF SAN DIEGO
Development Services Department**

Concurrent Processing Agreement

Project Name: AT&T SD0300/University Ave.	Project No: 399860
Project Address: 6046 Hughes Street, SD, 92115	

It is requested that the above named project be granted concurrent submittal and review of ministerial approvals pertaining to the pending discretionary actions on the development. By signing this agreement, the applicant certifies that said owner(s) acknowledges and accepts that:

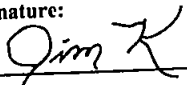
1. The construction drawings and documents that are part of the ministerial approval application may have to be revised as necessary to reflect required changes to the conditions and the Exhibit "A" drawings and documents of the associated discretionary actions. This may require additional review time and costs.
2. No permits for work including demolition, grading, public improvement, or building construction will be issued until:
 - a. Final approval of the associated discretionary actions has occurred and all appeal periods have ended;
 - b. The City has received the approved permit from the customer, duly notarized and signed by the owner(s); and
 - c. The City has received evidence that any subsequent approvals required by other Federal, State, or local agencies are obtained by the customer or owner(s).

Furthermore, the applicant certifies that said owner(s) acknowledges and accepts all responsibility for changes required to the submitted construction drawings and documents as a result of and to achieve consistency with the discretionary actions for the development. The customer acknowledges and accepts that the City assumes no responsibility for said changes and the impacts that result to the development as a result.

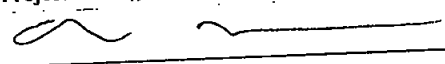
The applicant certifies that said owner acknowledges and accepts that plan review fees and deposits expended by City staff during the processing and review of the construction drawings and documents are non-refundable, and that additional fees or deposits may be required if additional staff review of these drawings and documents are necessary to reflect the final design of the development as approved in the corresponding discretionary actions.

Project Name: AT&T SD0300/University Ave.	Project No: 399860
Project Address: 6046 Hughes Street, SD, 92115	

Additionally, if a ministerial project manager is required, the applicant certifies that said owner(s) acknowledges and accepts the optional enhanced service of ministerial project management. The ministerial project manager will be the central point of contact for the applicant, and will assist the applicant with complex scheduling issues and coordination between City staff reviewers. This service requires a separate deposit into a Trust Fund account with an initial \$2,000 deposit (unless modified by the Project Manager, depending on the complexity of the project). This initial deposit is drawn against to pay for the management of the ministerial project review.

Owner Name (please print): City of San Diego	
Applicant Name (please print): Jim Kennedy	
Applicant Signature: 	Date: 1-28-15

For City Use Only

Hearing/Decision Date: Process 1 SCR	
Project Manager Name: Alex Hempton	Project Manager Signature: 
<i>The following is required when no hearing/decision date is provided:</i>	
Discretionary Manager Name/Title:	Discretionary Manager Signature:
Ministerial Manager Name:	Ministerial Manager Signature:
Ministerial Project Manager Name:	

Attachments: Draft Permit/Resolution Conditions N/A

Distribution:

- Original – Project File
- Copy – Applicant
- Copy – Project file on I: drive

Concurrent Processing Agreement
12-7-12