



STANELY BLVD CNU4220 / FA: #10553439

3589 NEVADA STREET
PLEASANTON, CA 94566

PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

RECEIVED

MAR 26 2014

CITY OF PLEASANTON
PLANNING DIVISION

EXHIBIT B

P13-2070



PROJECT INFORMATION

PROJECT DESCRIPTION:

AT&T PROPOSES TO CONSTRUCT A NEW UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF (12) PANEL ANTENNAS (4 PER SECTOR) ENCLOSED IN STEALTH PARAPET EXTENSIONS ON THE ROOF OF AN EXISTING BUILDING AND (21) RRUS-11'S (7 PER SECTOR) MOUNTED ON H-FRAMES ATTACHED TO SLEEPERS ON THE ROOFTOP BEHIND THE PROPOSED ANTENNA ARRAYS. AT&T ALSO PROPOSES AN 11'-5" X 18'-0" PRE-FABRICATED EQUIPMENT SHELTER (BY OTHERS), (1) GPS ANTENNA MOUNTED TO THE EQUIPMENT SHELTER AND A 50KW DIESEL GENERATOR WITHIN THE 20' X 20' EQUIPMENT LEASE AREA AT GRADE.

APPLICANT:

AT&T MOBILITY
4430 ROSEWOOD DRIVE
BLDG 3, FLOOR 6
PLEASANTON, CA 94588
CONTACT: RADHA SHARMA
PH: (510) 912-2313
EMAIL: RSHARMA@FMHC.COM

PROPERTY OWNER:

LED LAM AND AMY CHAN
3589 NEVADA STREET
PLEASANTON, CA 94566

TEAM LEAD:

FMHC CORPORATION
2525 STANWELL DRIVE, SUITE 200
CONCORD, CA 94520
CONTACT: RADHA SHARMA
PH: (510) 912-2313
EMAIL: RSHARMA@FMHC.COM

CODE INFORMATION:

ZONING CLASSIFICATION: PUD-C (COMMERCIAL)
CONSTRUCTION TYPE: T1
JURISDICTION: CITY OF PLEASANTON
CURRENT USE: COMMERCIAL RETAIL
PROPOSED USE: COMMERCIAL RETAIL WITH THE ADDITION OF TELECOMMUNICATION FACILITY

SITE ACQUISITION MANAGER:

FMHC CORPORATION
2525 STANWELL DRIVE, SUITE 200
CONCORD, CA 94520
CONTACT: RADHA SHARMA
PH: (510) 912-2313
EMAIL: RSHARMA@FMHC.COM

SITE LOCATION: (BASED ON NAD 83):

LATITUDE: 37° 40' 00.75" S (37.6688750)
LONGITUDE: 121° 51' 28.50" S (-121.8580220)
TOP OF STRUCTURE AGL: 25.7'±
BASE OF STRUCTURE AMSL: 381.4'±

ZONING:

FMHC CORPORATION
2525 STANWELL DRIVE, SUITE 200
CONCORD, CA 94520
CONTACT: RADHA SHARMA
PH: (510) 912-2313
EMAIL: RSHARMA@FMHC.COM

PARCEL NUMBER(S):

948-4542-034

CONSTRUCTION MANAGER:

ERICSSON
6140 STONERIDGE MALL RD, SUITE 350
PLEASANTON, CA 94588
CONTACT: RYAN ANDERSON
PH: (880) 680-8204
EMAIL: RAN.ANDERSON@ERICSSON.COM

RF ENGINEER:

AT&T MOBILITY
4430 ROSEWOOD DRIVE
BLDG 3, FLOOR 6
PLEASANTON, CA 94588
CONTACT: DAVID HUANG
PH: (925) 277-8289
EMAIL: dh4608@ATT.COM

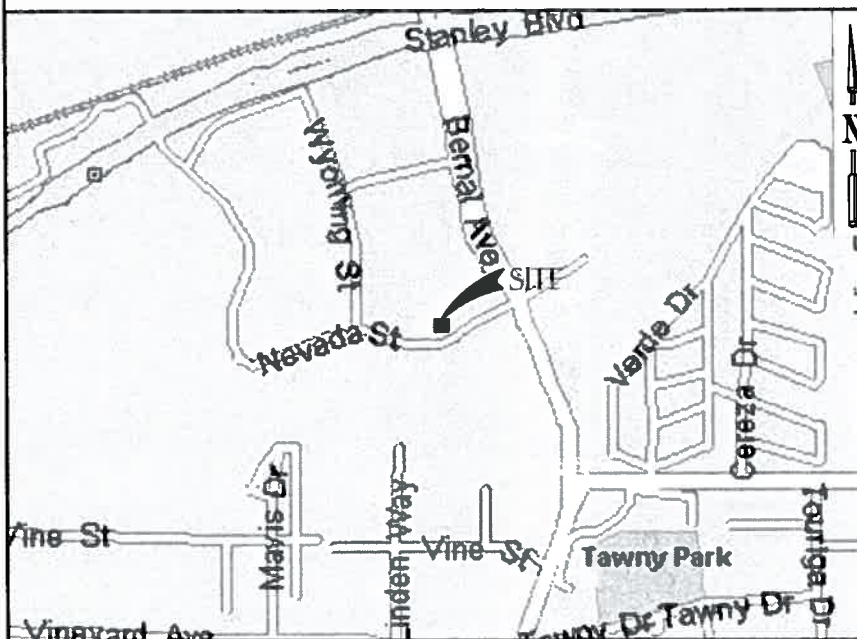
REFERENCE RFDS V10

DATED 03/13/13

GENERAL INFORMATION:

1. PARKING REQUIREMENTS ARE UNCHANGED.
2. TRAFFIC IS UNAFFECTED.

VICINITY MAP



DRIVING DIRECTIONS

START AT: 4430 ROSEWOOD DR, PLEASANTON, CA 94588-3050
1. HEAD EAST ON ROSEWOOD DR TOWARD OLD SANTA RITA RD 0.6 MI
2. TURN RIGHT ONTO SANTA RITA RD 1.5 MI
3. TURN LEFT ONTO VALLEY AVE 1.1 MI
4. CONTINUE ONTO BERNAL AVE 0.2 MI
5. TURN RIGHT ONTO NEVADA STREET 322 FT
DESTINATION WILL BE ON THE RIGHT

APPROVAL	DATE	SIGNATURE	APPROVAL	DATE	SIGNATURE
RF ENGINEER:			LANDLORD:		
RF MANAGER:			SITE ACQUISITION:		
OPPS MANAGER:			ZONING AGENT:		
CONSTR MANAGER:			PROJECT MANAGER:		
NSB MANAGER:			CONSTR MANAGER:		
TRANSPORT:			A&E		
EQUIP ENGINEER:			A&E		
COMPLIANCE:			A&E		

REVIEWERS SHALL CLEARLY PLACE INITIALS ADJACENT TO EACH REDLINE NOTE AS DRAWINGS ARE BEING REVIEWED

DRAWING INDEX

SHEET DESCRIPTION

T-1	TITLE SHEET
C-1	TOPOGRAPHIC SURVEY (BY OTHERS)
C-2	TOPOGRAPHIC SURVEY (BY OTHERS)
A-1	SITE PLAN
A-2	PROPOSED EQUIPMENT ENCLOSURE PLAN
A-3	ENLARGED ANTENNA PLAN
A-4	PROPOSED SOUTH & NORTH ELEVATIONS
A-5	PROPOSED EAST & WEST ELEVATIONS

CODE COMPLIANCE

2013 BUILDING STANDARDS ADMINISTRATION CODE
- PART 1, TITLE 24, C.C.R.
2013 CALIFORNIA BUILDING CODE (CBC)
- PART 2, TITLE 24, C.C.R.
2012 INTERNATIONAL BUILDING CODE (IBC)
- VOLUMES 1-3 & CALIFORNIA AMENDMENTS
2013 CALIFORNIA ELECTRICAL CODE (CEC)
- PART 3, TITLE 24, C.C.R.
2012 NATIONAL ELECTRICAL CODE (NEC)
2013 CALIFORNIA MECHANICAL CODE (CMC)
- PART 4, TITLE 24, C.C.R.
2012 INTERNATIONAL MECHANICAL CODE (IMC)
2013 CALIFORNIA PLUMBING CODE (CPC)
- PART 5, TITLE 24, C.C.R.
2012 INTERNATIONAL PLUMBING CODE (IPC)
2013 CALIFORNIA ENERGY CODE (CEC)
- PART 6, TITLE 24, C.C.R.
2013 ASME A17.1 SAFETY CODE
- FOR ELEVATORS AND ESCALATORS
2013 CALIFORNIA FIRE CODE (CFC)
- PART 9, TITLE 24, C.C.R.
2012 INTERNATIONAL FIRE CODE (IFC)
2013 CALIFORNIA REFERENCED STANDARDS
- PART 12, TITLE 24, C.C.R.
- TITLE 18, C.C.R.
PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
ANSI/EIA/ITA-222-G STANDARDS FOR BROADCAST
STRUCTURES, LOCAL CODES AND ORDINANCES.
IN THE EVENT OF A CONFLICT, THE MOST RESTRICTIVE
CODE SHALL PREVAIL.

ABBREVIATIONS

A/C	AIR CONDITIONING	HORZ	HORIZONTAL	PLYWD	PLYWOOD
ABL	ABOVE GROUND LEVEL	HR	HOUR	PROJ	PROJECT
APPROX	APPROXIMATELY	HT	HEIGHT	PROP	PROPERTY
BLDG	BUILDING	HVAC	HEATING	PT	PRESSURE TREATED
BLK	BLOCKING		VENTILATION	REQ	REQUIRED
CLG	CEILING	ID	INSIDE DIAMETER	RF	RADIO FREQUENCY
CLR	CLEAR	IN	INCH	RM	ROOM
COAX	COAXIAL CABLE	INFO	INFORMATION	RR	ROUGH OPENING
CONC	CONCRETE	INSUL	INSULATION	RRH	REMOTE RADIO HEAD
CONST	CONSTRUCTION	INT	INTERIOR	SHT	SHEET
CONT	CONTINUOUS	IBC	INTERNATIONAL BUILDING CODE	SIM	SIMILAR
DBL	DOUBLE			SPEC	SPECIFICATION
DIA	DIAMETER	LBS	POUNDS	SF	SQUARE FOOT
DIAG	DIAGONAL	LTE	LONG TERM EVOLUTION	SS	STAINLESS STEEL
DN	DOWN			STL	STEEL
DET	DETAIL	MAX	MAXIMUM	STRUCT	STRUCTURAL
DWG	DRAWING	MECH	MECHANICAL	STD	STANDARD
EA	EACH	MFR	MANUFACTURE	SUSP	SUSPENDED
ELEV	ELEVATION	MGR	MANAGER		
ELEC	ELECTRICAL	MIN	MINIMUM	THRU	THROUGH
EQ	EQUAL	MISC	MISCELLANEOUS	TNING	TINNED
EQUIP	EQUIPMENT			TYP	TYPICAL
EXT	EXTERIOR	NA	NOT APPLICABLE	UNO	UNLESS NOTED OTHERWISE
FIN	FINISH	NIC	NOT IN CONTRACT	VERT	VERTICAL
FLUOR	FLUORESCENT	NTS	NOT TO SCALE	W/	WITH
FLR	FLOOR	OC	ON CENTER	W/O	WITHOUT
FT	FOOT	OD	OUTSIDE DIAMETER	WP	WATER PROOF
GALV	GALVANIZED				
GC	GENERAL CONTRACTOR				
GRND	GROUND				

PROJECT TEAM

PROJECT ARCHITECT
THOMAS R HOLLAND, AA
PACIFIC TELECOM SERVICES, LLC
149 NATOMA STREET, 3RD FLOOR
SAN FRANCISCO, CA 94105
CONTACT: DENNIS MCKIERMAN
PH: (918) 955-7982
EMAIL: DMCKIERMAN@PTSWA.COM

PROJECT CONSULTANT:
FMHC CORPORATION
2525 STANWELL DRIVE, SUITE 200
CONCORD, CA 94520
CONTACT: RADHA SHARMA
PH: (510) 912-2313
EMAIL: RSHARMA@FMHC.COM

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REVISIONS

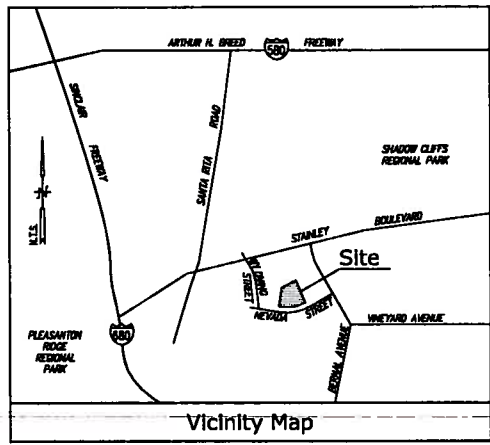
NO.	DATE	DESCRIPTION	INITIAL
1	04/25/13	ISSUED FOR BOX 2D REVIEW	SS
2	06/07/13	ISSUED FOR 100% ZONING	SS
3	06/25/13	ISSUED FOR 100% ZONING	KB
4	07/16/13	ISSUED FOR 100% ZONING	KB
5	08/13/13	REVISED FOR 100% ZONING	WR
6	10/30/13	REVISED FOR 100% ZONING	KB
7	02/24/14	REVISED FOR 100% ZONING	KB
8	03/07/14	REVISED FOR 100% ZONING	SS

NOT FOR CONSTRUCTION UNLESS
LABELED AS CONSTRUCTION SET

SHEET TITLE
TITLE SHEET

SHEET NUMBER

T-1



Title Report

PREPARED BY: FIRST AMERICAN TITLE COMPANY
 ORDER NO.: 1004-6348763
 DATE: MARCH 1, 2013

Legal Description

REAL PROPERTY IN THE CITY OF PLEASANTON, COUNTY OF ALAMEDA, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:
 LOT 1, PARCEL MAP 5814, FILED APRIL 25, 1981, IN BOOK 198, PAGE 63, ALAMEDA COUNTY RECORDS

Assessor's Parcel No.

946-6542-034

Easements

- 1. AN EASEMENT FOR UTILITIES AND INCIDENTAL PURPOSES, RECORDED JUNE 23, 1917 IN BOOK 2539 OF DEEDS, PAGE 308 IN FAVOR OF PACIFIC GAS AND ELECTRIC COMPANY, A CORPORATION (BLANKET IN NATURE).
- 2. THE TERMS, PROVISIONS AND EASEMENTS CONTAINED IN THE AGREEMENT REFERENCED IN THE DOCUMENT ENTITLED "MEMORANDUM OF AGREEMENT" RECORDED JULY 10, 1983 AS INSTRUMENT NO. 83-126306 OF OFFICIAL RECORDS (DOES NOT AFFECT THE PROPERTY)
- 3. ANY AND ALL OTHERS OF RECORDATIONS, CONDITIONS, RESTRICTIONS, EASEMENTS, NOTES AND/OR PROVISIONS SHOWN OR DISCLOSED BY THE FIELD OR RECORDED MAP REFERRED TO IN THE LEGAL DESCRIPTION, INCLUDING BUT NOT LIMITED TO: 3 FOOT PUBLIC SERVICE EASEMENT AND NOTATIONS RELATIVE TO THE SUBJECT PREMISES THEREIN. (PLOTTED HEREON)
- 4. THE TERMS, PROVISIONS AND EASEMENTS CONTAINED IN THE DOCUMENT ENTITLED "AGREEMENT TO GRANT EASEMENT TO THE CITY OF PLEASANTON" RECORDED APRIL 25, 1981 AS INSTRUMENT NO. 81-10424 OF OFFICIAL RECORDS (DOES NOT AFFECT THE PROPERTY)

Geographic Coordinates at Proposed Sectors

PROPOSED SECTOR 74°
 1983 DATUM: LATITUDE 37° 40' 00.75"N LONGITUDE 121° 51' 28.50"W
 CENTER OF PROPOSED SECTOR 74° & 75°
 1983 DATUM: LATITUDE 37° 40' 00.75"N LONGITUDE 121° 51' 28.50"W
 ELEVATION = 301.4 FEET ABOVE MEAN SEA LEVEL

CERTIFICATION:
 THE LATITUDE AND LONGITUDE SHOWN ABOVE ARE ACCURATE TO WITHIN +/- 15 FEET HORIZONTALLY AND THAT THE ELEVATIONS SHOWN ABOVE ARE ACCURATE TO WITHIN +/- 3 FEET VERTICALLY. THE HORIZONTAL DATUM (GEOGRAPHIC COORDINATES) IS IN TERMS OF THE NORTH AMERICAN DATUM OF 1983 (NAD 83) AND IS EXPRESSED IN DEGREES (°), MINUTES (') AND SECONDS (") TO THE NEAREST HUNDREDTH OF A SECOND. THE VERTICAL DATUM (ELEVATIONS) IS IN TERMS OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND IS DETERMINED TO THE NEAREST TENTH OF A FOOT.

Basis of Bearings

THE STATE PLANE COORDINATE SYSTEM OF 1983 (NAD 83), CALIFORNIA ZONE 3.

Bench Mark

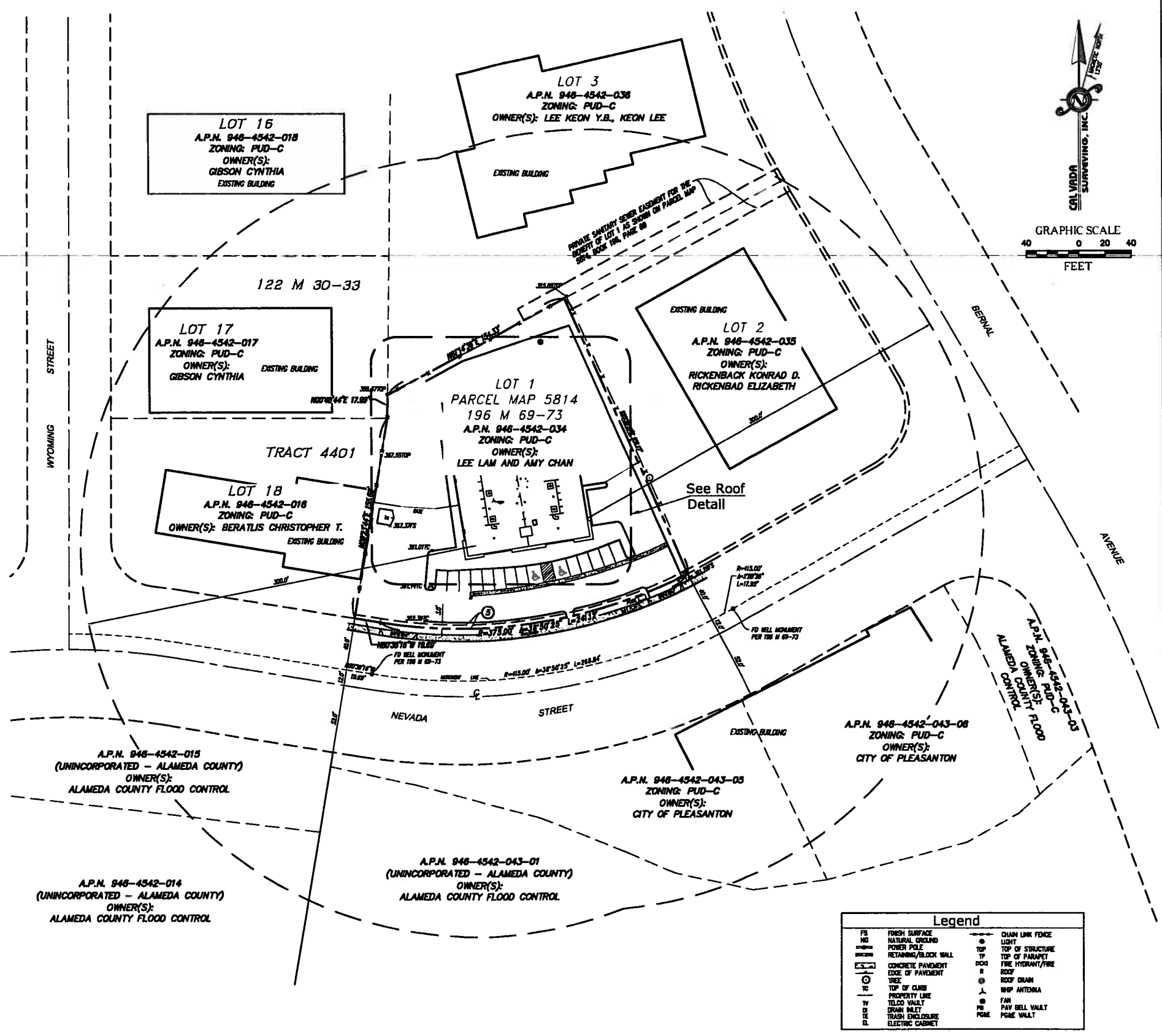
THE CALIFORNIA SPATIAL REFERENCE COORDINATE SYSTEM, ELEVATION = 1008.74 FEET (NAVD 88).

Date of Survey

APRIL 10, 2013

Surveyor's Note

THE BUILDINGS AROUND THE SUBJECT PROPERTY WERE NOT SURVEYED AND THEY ARE SHOWN HEREON FOR REPRESENTATION PURPOSES ONLY.



Legend

FS	FRESH SURFACE	CL	CHAIN LINK FENCE
NG	NATURAL GROUND	LT	LIGHT
PP	POWER POLE	TS	TOP OF STRUCTURE
RB	RETAINING/BLOCK WALL	TP	TOP OF PARAPET
CP	CONCRETE PAVEMENT	PH	PIPE HYDRANT/FIRE
IP	EDGE OF PAVEMENT	R	ROOF
T	TREE	RD	ROOF DRAIN
TC	TOP OF CURB	MA	MANHOLE ANTENNA
PL	PROPERTY LINE	FAN	FAN
TL	TELCO VALET	PB	PAV BELL VALET
DI	DRAIN INLET	PE	PIPE VALET
TE	TRASH ENCLOSURE		
EC	ELECTRIC CABINET		

PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AT&T MOBILITY IS STRICTLY PROHIBITED.

CONSULTANT

CAL VADA
SURVEYING, INC.

411 Jerka Cir. Suite 205, Corona, CA 92680
 Phone: 951-250-2800 Fax: 951-250-8748
 Toll Free: 800-CALVADA www.calvada.com
 JOB NO. 13222

PREPARED FOR

2600 Carrina Roman, West Wing
 San Ramon, California 94583

APPROVALS

R.F.	DATE
SAC AND ZONING	DATE
CM	DATE
AT&T CM	DATE
OWNER APPROVAL	DATE

PROJECT NAME
NEVADA STREET

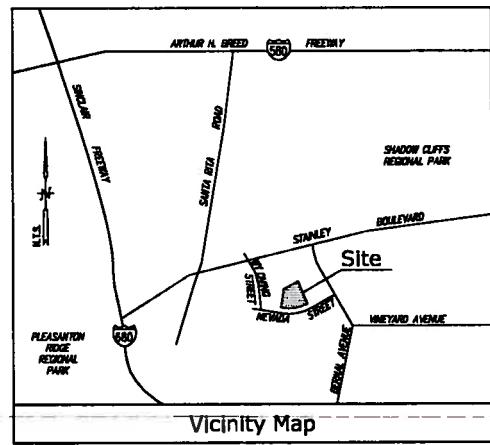
PROJECT NUMBER
CNU4220

3589 NEVADA ST.
 PLEASANTON, CA 94586
 ALAMEDA COUNTY

DATE	DESCRIPTION	BY
04/12/13	SUBMITTAL	HP
05/08/13	FINAL SURVEY	MN
09/23/13	CLIENT COMMENTS	RG

SHEET TITLE
TOPOGRAPHIC SURVEY

C-1
 SHEET 1 OF 2



Title Report

PREPARED BY: FIRST AMERICAN TITLE COMPANY
 ORDER NO.: 1004-4348783
 DATE: MARCH 1, 2013

Legal Description

REAL PROPERTY IN THE CITY OF PLEASANTON, COUNTY OF ALAMEDA, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:
 LOT 1, PARCEL MAP 3874, FILED APRIL 25, 1991, IN BOOK 186, PAGE 48, ALAMEDA COUNTY RECORDS.

Assessor's Parcel No.

98-452-034

Easements

- AN EASEMENT FOR UTILITIES AND INCIDENTAL PURPOSES, RECORDED JUNE 25, 1977 IN BOOK 2538 OF DEEDS, PAGE 308, IN FAVOR OF PACIFIC GAS AND ELECTRIC COMPANY, A CORPORATION (BLANKET IN NATURE).
- THE TERMS, PROVISIONS AND EASEMENTS CONTAINED IN THE AGREEMENT REFERENCED IN THE DOCUMENT ENTITLED "MEMORANDUM OF AGREEMENT" RECORDED JULY 10, 1983 AS INSTRUMENT NO. 83-128303 OF OFFICIAL RECORDS (DOES NOT AFFECT THE PROPERTY).
- ANY AND ALL OFFERS OF DEDICATIONS, CONDITIONS, RESTRICTIONS, EASEMENTS, NOTES AND/OR PROVISIONS SHOWN OR DISCLOSED BY THE FIELD OR RECORDED MAP REFERRED TO IN THE LEGAL DESCRIPTION, INCLUDING BUT NOT LIMITED TO 3 FOOT PUBLIC SERVICE EASEMENT AND NOTATIONS RELATIVE TO THE SUBJECT PREMISES THEREIN. (PLOTTED HEREIN).
- THE TERMS, PROVISIONS AND EASEMENTS CONTAINED IN THE DOCUMENT ENTITLED "AGREEMENT TO GRANT EASEMENT TO THE CITY OF PLEASANTON" RECORDED APRIL 25, 1991 AS INSTRUMENT NO. 91-104824 OF OFFICIAL RECORDS (DOES NOT AFFECT THE PROPERTY).

Geographic Coordinates at Proposed Sectors

PROPOSED SECTOR "A"
 1983 DATUM: LATITUDE 37° 40' 00.75" N LONGITUDE 121° 51' 28.50" W
 CENTER OF PROPOSED SECTORS "B" & "C"
 1983 DATUM: LATITUDE 37° 40' 00.53" N LONGITUDE 121° 51' 28.56" W
 ELEVATION = 381.4 FEET ABOVE MEAN SEA LEVEL.

CERTIFICATION:
 THE LATITUDE AND LONGITUDE SHOWN ABOVE ARE ACCURATE TO WITHIN +/- 15 FEET HORIZONTALLY AND THAT THE ELEVATIONS SHOWN ABOVE ARE ACCURATE TO WITHIN +/- 3 FEET VERTICALLY. THE HORIZONTAL DATUM (GEOGRAPHIC COORDINATES) IS IN TERMS OF THE NORTH AMERICAN DATUM OF 1983 (NAD 83) AND IS EXPRESSED IN DEGREES (°), MINUTES (') AND SECONDS (") TO THE NEAREST HUNDRETH OF A SECOND. THE VERTICAL DATUM (ELEVATIONS) IS IN TERMS OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND IS DETERMINED TO THE NEAREST TENTH OF A FOOT.

Basis of Bearings

THE STATE PLANE COORDINATE SYSTEM OF 1983 (NAD 83), CALIFORNIA ZONE 3.

Bench Mark

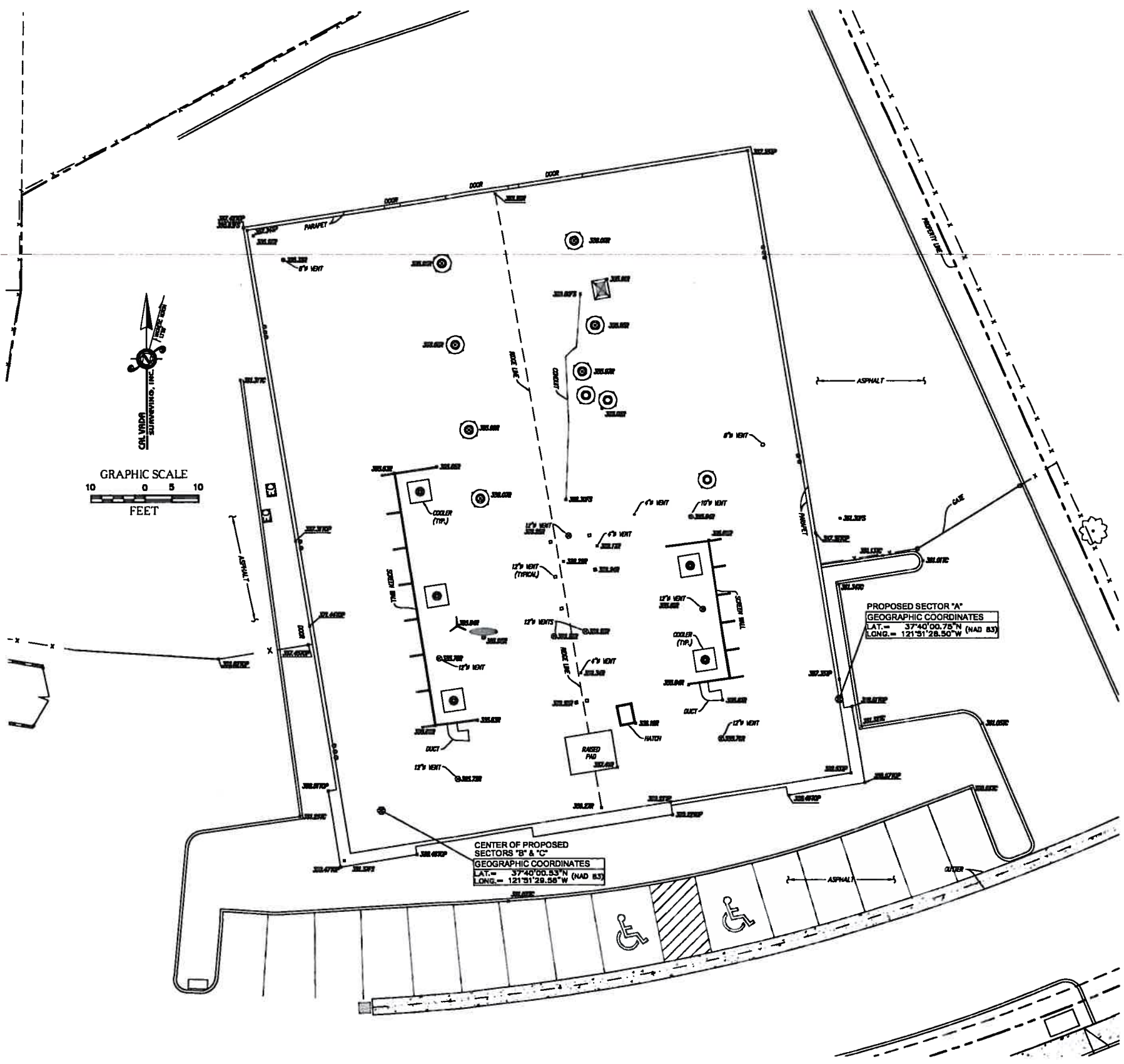
THE CALIFORNIA SPATIAL REFERENCE COORDINATE SYSTEM (CALSRP), ELEVATION = 1001.76 FEET (NAVD 88).

Date of Survey

APRIL 10, 2013

Surveyor's Note

THE BUILDINGS AROUND THE SUBJECT PROPERTY WERE NOT SURVEYED AND THEY ARE SHOWN HEREIN FOR REPRESENTATION PURPOSES ONLY.



PROPRIETARY INFORMATION
 THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AT&T MOBILITY IS STRICTLY PROHIBITED.

CONSULTANT
CALVADA SURVEYING, INC.
 411 Jenks Cir. Suite 206 Corona CA 92780
 Phone: 951-280-9980 Fax: 951-280-9748
 TOLL FREE: 800-CALVADA www.calvada.com
 JOB NO. 1322



PREPARED FOR

 2600 Camino Ramon, West Wing
 San Ramon, California 94583

APPROVALS

R.F.	DATE
SAC AND ZONING	DATE
CM	DATE
AT&T CM	DATE
OWNER APPROVAL	DATE

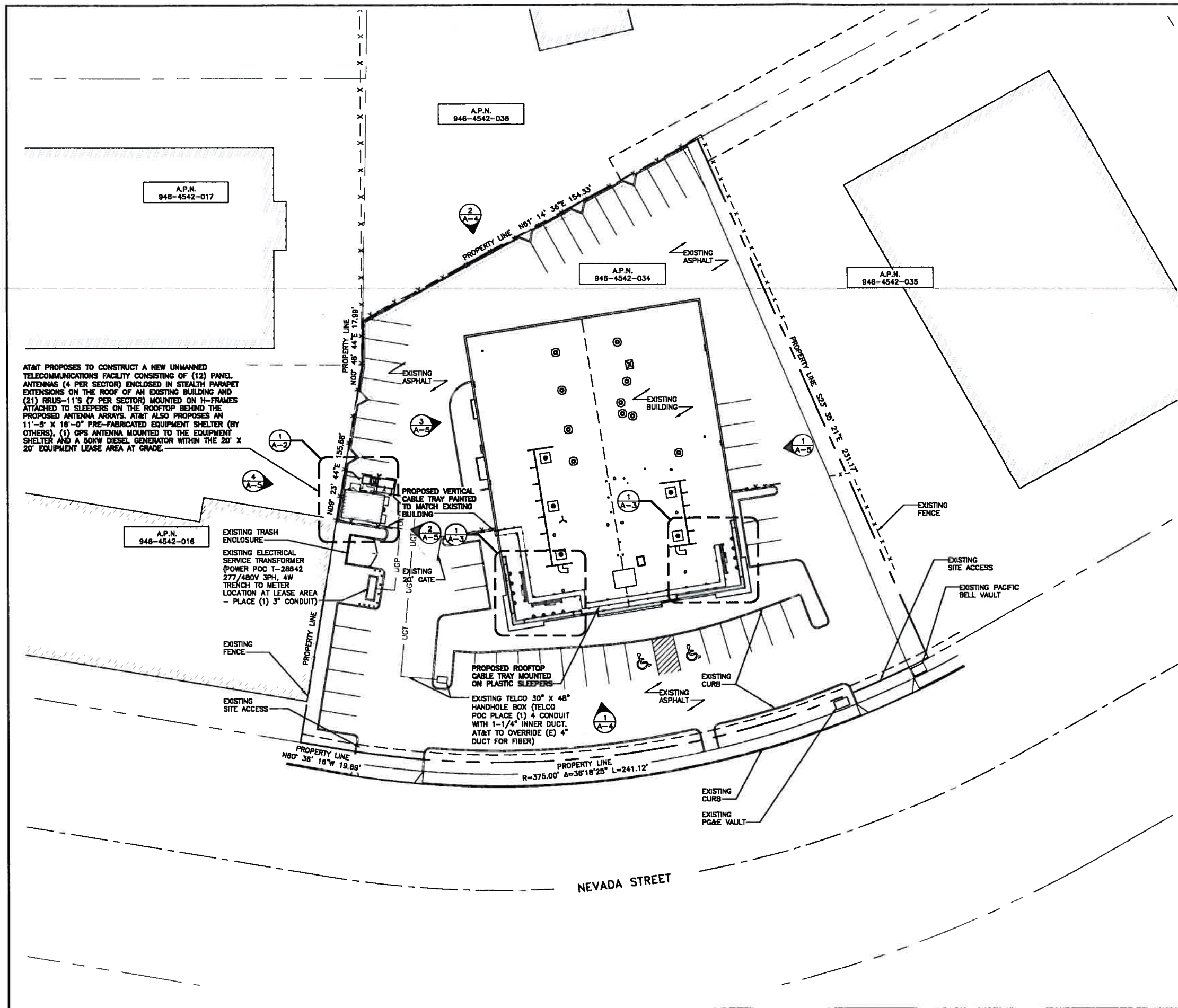
PROJECT NAME
NEVADA STREET

PROJECT NUMBER
CNU4220

3589 NEVADA ST.
 PLEASANTON, CA 94586
 ALAMEDA COUNTY

DATE	DESCRIPTION	BY
04/12/13	SUBMITTAL	HP
05/08/13	FINAL SURVEY	MN
09/23/13	CLIENT COMMENTS	RG

SHEET TITLE
TOPOGRAPHIC SURVEY

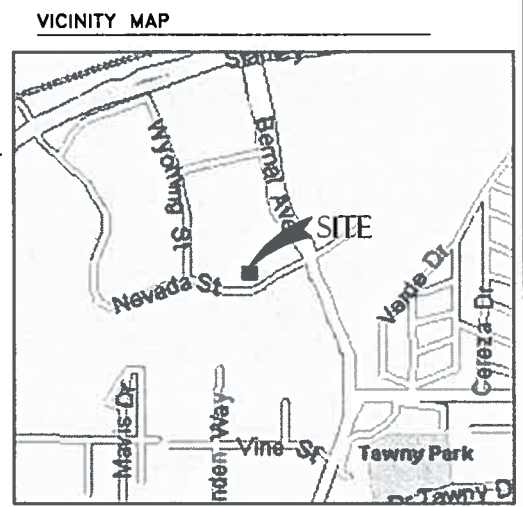


AT&T PROPOSES TO CONSTRUCT A NEW UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF (12) PANEL ANTENNAS (4 PER SECTOR) ENCLOSED IN STEALTH PARAPET EXTENSIONS ON THE ROOF OF AN EXISTING BUILDING AND (21) RRUS-11'S (7 PER SECTOR) MOUNTED ON H-FRAMES ATTACHED TO SLEEPERS ON THE ROOFTOP BEHIND THE PROPOSED ANTENNA ARRAYS. AT&T ALSO PROPOSES AN 11'-5" X 18'-0" PRE-FABRICATED EQUIPMENT SHELTER (BY OTHERS), (1) GPS ANTENNA MOUNTED TO THE EQUIPMENT SHELTER AND A 60KW DIESEL GENERATOR WITHIN THE 20' X 20' EQUIPMENT LEASE AREA AT GRADE.

LEGEND

---	SUBJECT BOUNDARY LINE
---	RIGHT-OF-WAY CENTERLINE
---	RIGHT-OF-WAY LINE
---	ADJACENT BOUNDARY LINE
---	SECTIONAL BREAKDOWN LINE
---	OVERHEAD POWER LINE
---	BURIED POWER LINE
---	BURIED GAS LINE
---	OVERHEAD TELEPHONE LINE
---	BURIED TELEPHONE LINE
---	BURIED WATER LINE
---	BURIED SANITARY SEWER
---	BURIED STORM DRAIN
---	DITCH LINE/FLOW LINE
---	ROCK RETAINING WALL
---	VEGETATION LINE
---	CHAIN LINK FENCE
---	WOOD FENCE
---	BARBED WIRE/WIRE FENCE
⊠	TRANSFORMER
⊙	FIRE HYDRANT
⊠	LIGHT STANDARD
⊠	GATE VALVE
⊠	POWER VAULT
⊠	WATER METER
⊠	UTILITY BOX
⊠	FIRE STAND PIPE
⊠	UTILITY POLE
⊠	CATCH BASIN, TYPE I
⊠	POLE GUY WIRE
⊠	CATCH BASIN, TYPE II
⊠	GAS VALVE
⊠	SIGN
⊠	GAS METER
⊠	BOLLARD
⊠	TELEPHONE VAULT
⊠	MAIL BOX
⊠	TELEPHONE RISER
⊠	234.21 SPOT ELEVATION

NOTE:
THIS IS NOT A SITE SURVEY.
ALL PROPERTY BOUNDARIES, ORIENTATION
OF TRUE NORTH AND STREET HALF
WIDTHS HAVE BEEN OBTAINED FROM A
TAX PARCEL MAP AND ARE APPROXIMATE



STANLEY BLVD
 CNU4220 / FA: #10553439
 3589 NEVADA STREET
 PLEASANTON, CA 94566

REVISIONS

NO.	DATE	DESCRIPTION	INITIAL
1	04/25/13	ISSUED FOR 90% 2D REVIEW	SS
2	06/07/13	ISSUED FOR 100% ZONING	SS
3	06/24/13	ISSUED FOR 100% ZONING	KB
4	07/19/13	ISSUED FOR 100% ZONING	KB
5	08/13/13	REVISED FOR 100% ZONING	WJR
6	10/03/13	REVISED FOR 100% ZONING	KB
7	02/25/14	REVISED FOR 100% ZONING	KB
8	03/07/14	REVISED FOR 100% ZONING	SS

NOT FOR CONSTRUCTION UNLESS
LABELED AS CONSTRUCTION SET

SHEET TITLE
SITE PLAN

SHEET NUMBER
A-1

24"x36" SCALE: 1" = 20'-0"
 11"x17" SCALE: 1" = 40'-0"
 20' 10' 0' 20'

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TRUE NORTH
 North to be determined by
 site survey (if possible).

SITE PLAN | 1



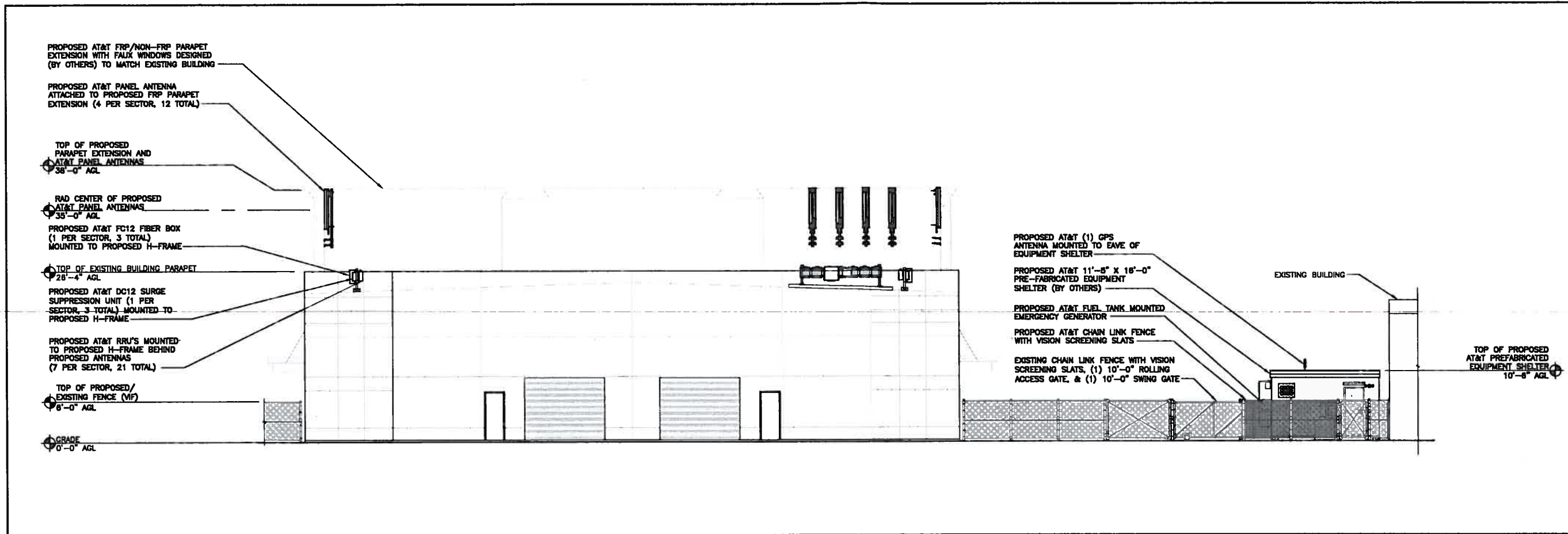
PTS

PACIFIC TELECOM SERVICES, LLC

STANELY BLVD

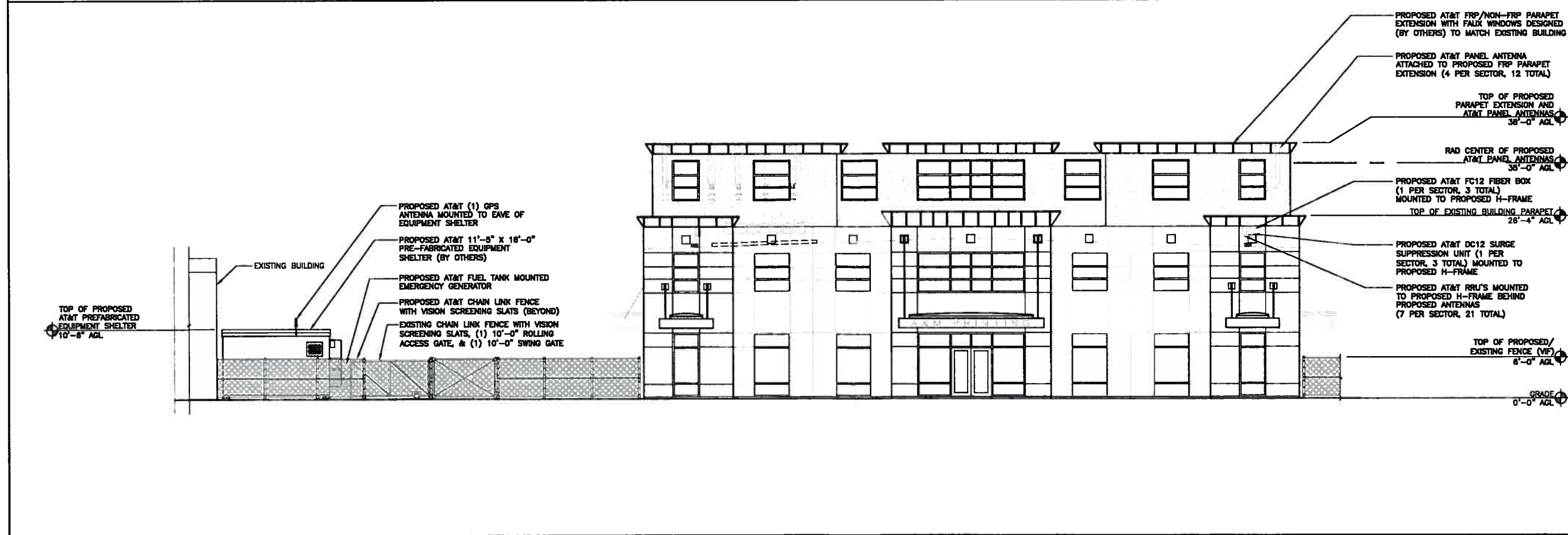
CNU4220 / FA: #10553439

3589 NEVADA STREET
PLEASANTON, CA 94566



24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"

PROPOSED NORTH ELEVATION | 2



24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"

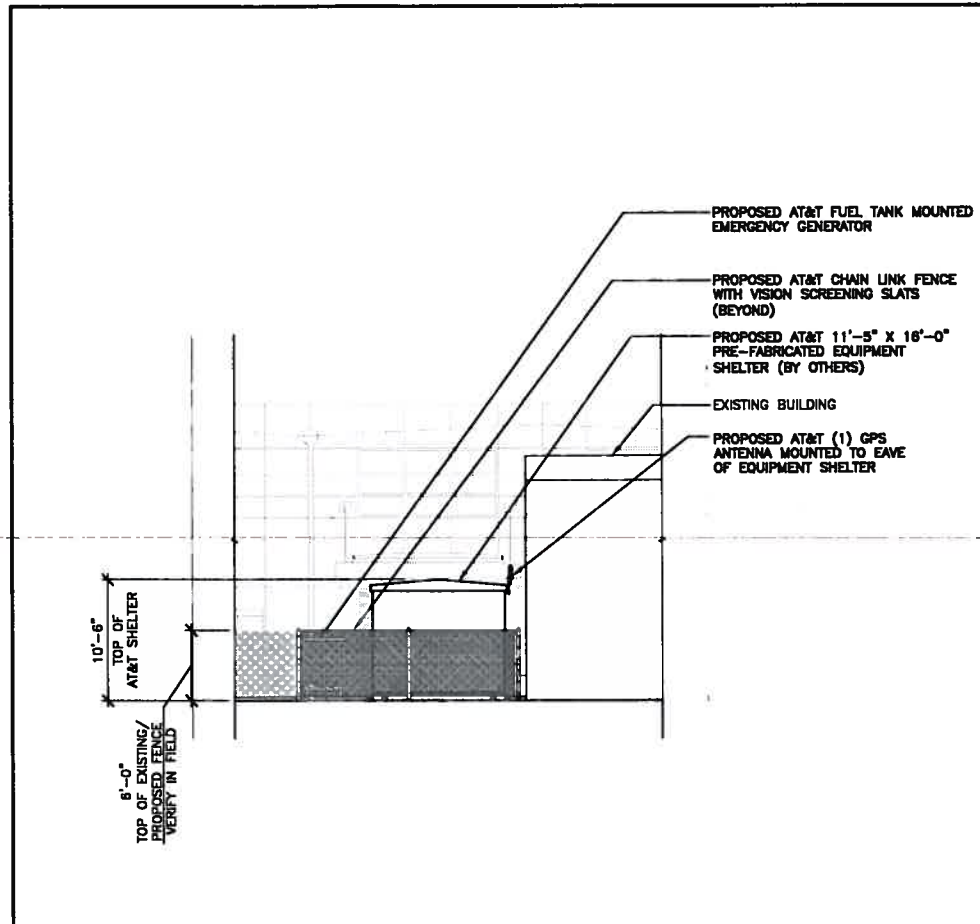
PROPOSED SOUTH ELEVATION | 1

REVISIONS			
NO.	DATE	DESCRIPTION	INITIAL
1	04/25/13	ISSUED FOR 90X ZD REVIEW	SS
2	05/07/13	ISSUED FOR 100X ZONING	SS
3	05/25/13	ISSUED FOR 100X ZONING	KB
4	07/10/13	ISSUED FOR 100X ZONING	KB
5	09/13/13	REVISED FOR 100X ZONING	MJR
6	10/03/13	REVISED FOR 100X ZONING	KB
7	02/25/14	REVISED FOR 100X ZONING	KB
8	03/07/14	REVISED FOR 100X ZONING	SS

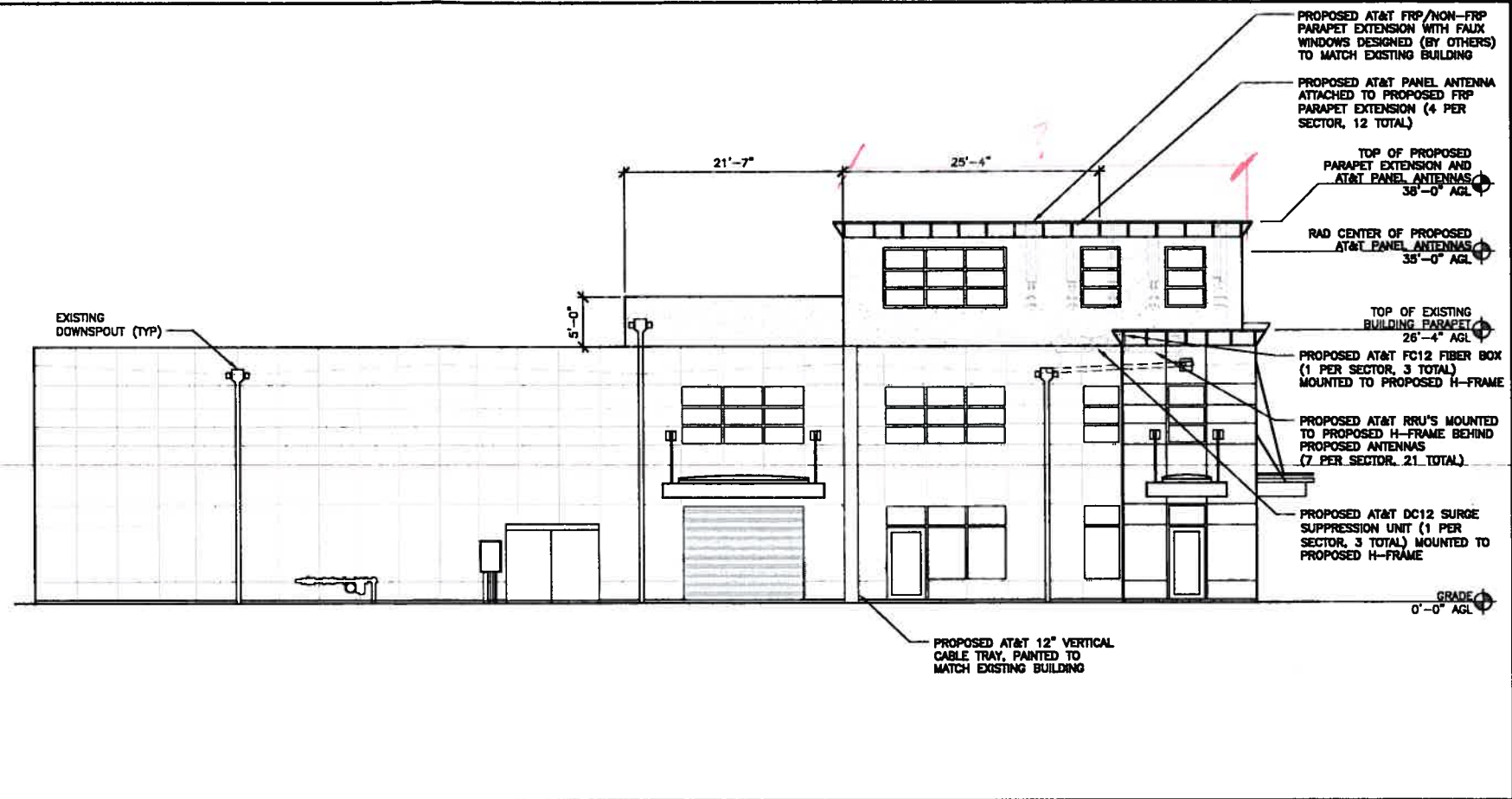
NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

SHEET TITLE
PROPOSED SOUTH & NORTH ELEVATIONS

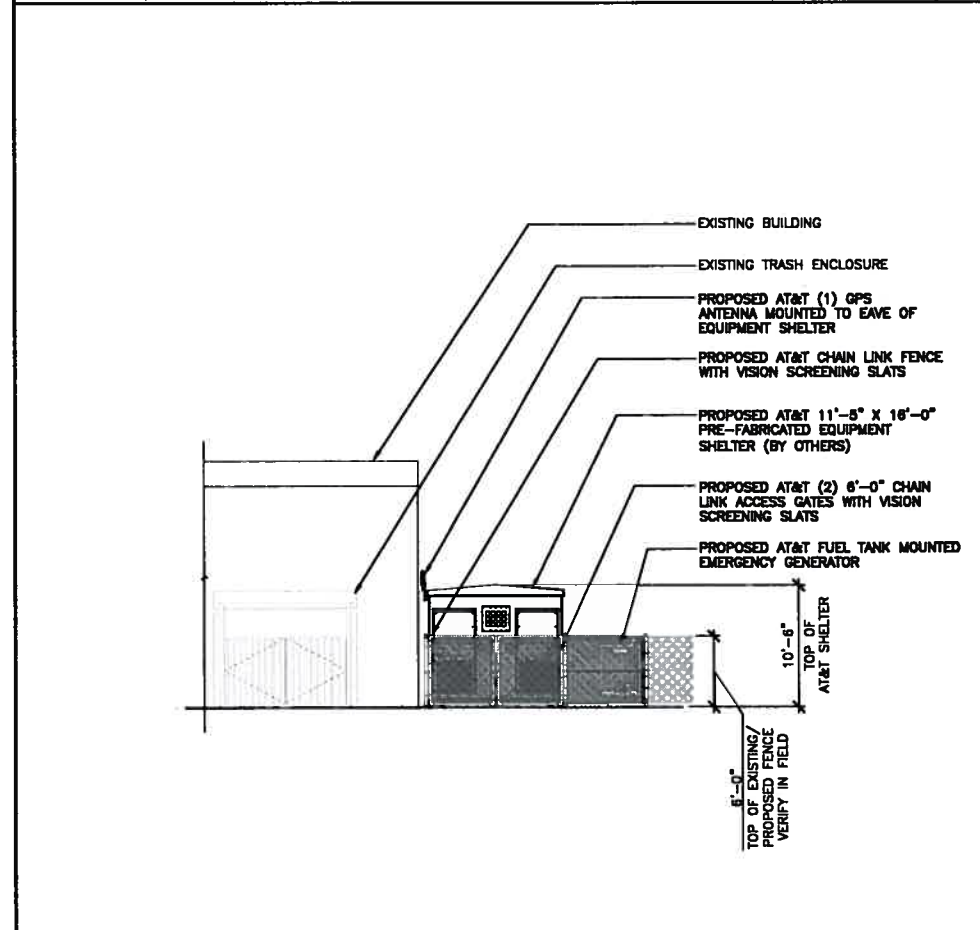
SHEET NUMBER
A-4



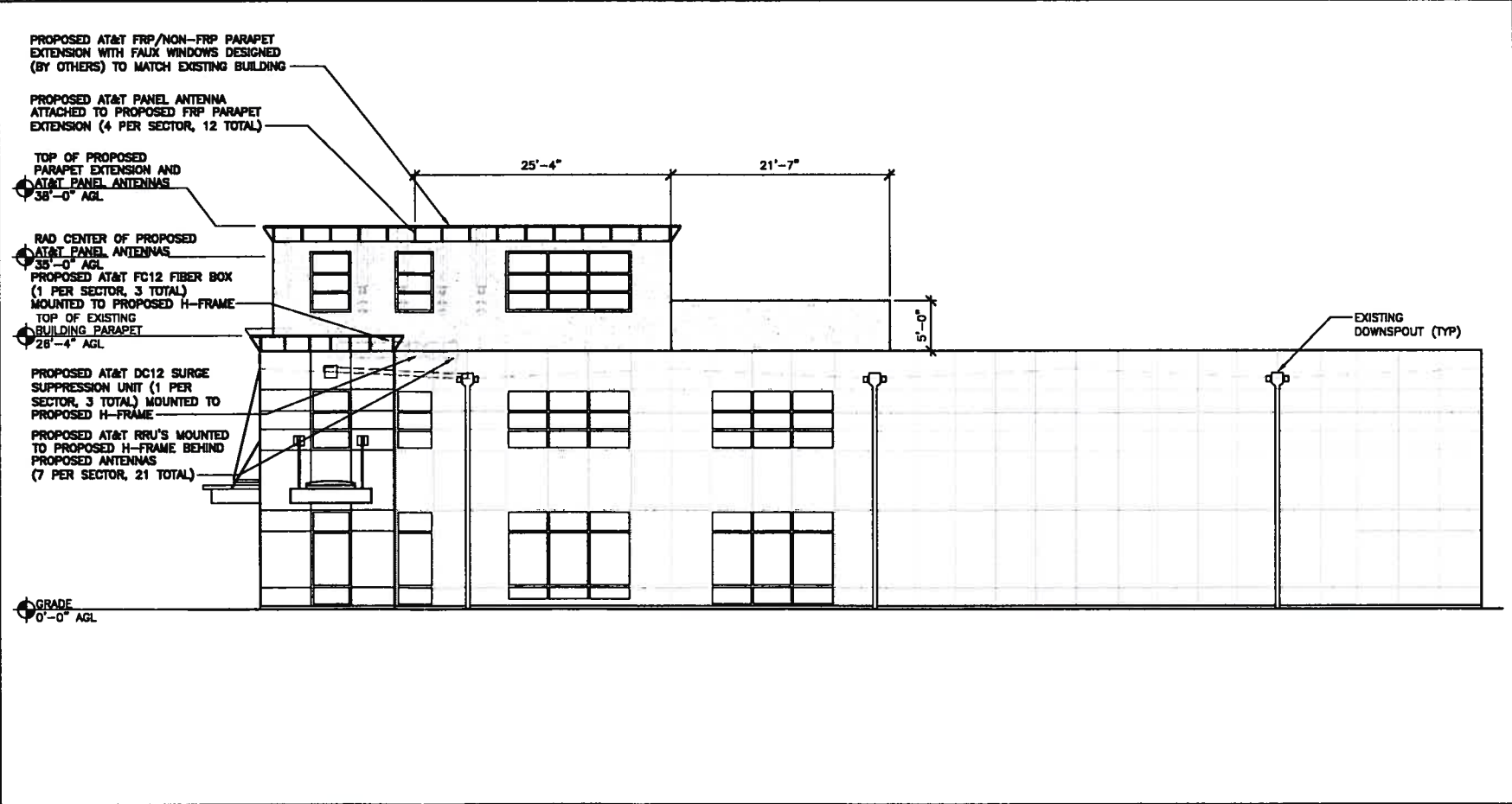
24"x36" SCALE: 1/8" = 1'-0"
 11"x17" SCALE: 1/16" = 1'-0"
 EQUIPMENT SHELTER WEST ELEVATION 4



PROPOSED WEST ELEVATION 3



24"x36" SCALE: 1/8" = 1'-0"
 11"x17" SCALE: 1/16" = 1'-0"
 EQUIPMENT SHELTER EAST ELEVATION 2



PROPOSED EAST ELEVATION 1



STANLEY BLVD
 CNU4220 / FA: #10553439
 3589 NEVADA STREET
 PLEASANTON, CA 94566

REVISIONS			
NO.	DATE	DESCRIPTION	INITIAL
1	04/25/13	ISSUED FOR BOX 2D REVIEW	SS
2	06/07/13	ISSUED FOR 100K ZONING	SS
3	06/25/13	ISSUED FOR 100K ZONING	KB
4	07/19/13	ISSUED FOR 100K ZONING	KB
5	09/13/13	REVISED FOR 100K ZONING	WJR
6	10/03/13	REVISED FOR 100K ZONING	KB
7	02/25/14	REVISED FOR 100K ZONING	KB
8	03/07/14	REVISED FOR 100K ZONING	SS

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

SHEET TITLE
 PROPOSED EAST & WEST ELEVATIONS

SHEET NUMBER
A-5

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

Alternatives Analysis



AT&T Mobility

Wireless Telecommunications Facility

at

3589 Nevada Street

Pleasanton, CA

CNU4220

P13-2070

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CITY OF PLEASANTON
PLANNING DEPARTMENT

AT&T Mobility has identified a significant gap in its service coverage throughout the City of Pleasanton. AT&T Mobility proposes to install a rooftop stealth personal wireless facility ("PWS") on a private commercial property as a means to fill this gap in coverage in Pleasanton. The proposed Facility consists of twelve panel antennas (four antennas for each of the three sectors) blending into the surrounding area by placing the antennas behind a newly designed parapet wall on the existing rooftop. The parapet wall will be designed to mimic the existing building design and materials, and incorporate windows similar to those on the existing building. The equipment cabinets will be located within an equipment shelter and will not be visible. The private landlord has entered into a lease for the required space to AT&T. The Proposed Facility is the least intrusive means to fill the significant gap of the alternatives investigated by AT&T Mobility as explained below.

Methodology and Zoning Criteria

The location of a PWS to fill a significant gap in coverage is dependent upon topography, zoning, existing structures, collocation opportunities, available utilities, access and a willing landlord. Wireless communication is line-of-sight technology that requires PWSs to be in relatively close proximity to the wireless handsets to be served.

AT&T Mobility seeks to fill a significant gap in coverage using the least intrusive means under the values expressed in the Wireless Communication Facilities chapter of the Pleasanton Municipal Code (Chapter 18.110, the "Wireless Code") and General Plan. The Wireless Code sets forth the requirements for locations of WCFs within the City of Pleasanton. PWSs are preferred to be located in PUD (Planned Unit Development) zones - Commercial, Office, or Industrial (C. O. I, or M-U) (Sec. 18.110.050.) (Sec. 18.110.070.) Additionally, PWSs are preferred to be concealed from view and designed to be consistent the existing architectural details of a building. (Sec. 18.110.050.) Equipment cabinets and/or ground-mounted associated equipment is required to be located where they are "least visible from surrounding properties and public places." (Section 18.110.070D.)

AT&T Search Ring Area

The following map was generated by the AT&T Radio Frequency Engineers and provides the area in which siting of a new PWS will potentially best serve the coverage objective area in question. The search ring provided focused our attention on Nevada Street and Bernal Avenue. Due to the existing lower heights of the commercial buildings within the area and the City of Pleasanton's Wireless Codes preference to blend into the surrounding area the least intrusive means to cover AT&T's significant gap in coverage is the Proposed Facility. The intention is to provide coverage and service to Stanley Blvd, Bernal Avenue and the surrounding neighborhoods.



Analysis

AT&T Mobility investigated eleven potential alternatives for facilities to fill the identified coverage gap in Pleasanton. Following is a map showing the locations of these alternatives, including why the placing a PWS at these alternative properties is infeasible. The alternatives are discussed in the analysis which follows.

Location of Candidate Sites



Proposed Facility - 3589 Nevada Street, Pleasanton, CA 94566

The Proposed Facility will be located on private commercial property and will comply fully with every aspect of the Pleasanton Code. The Proposed Facility is feasible from a construction perspective and will help AT&T to close its significant service coverage gap in the vicinity.

- The Proposed Facility is located in the PUD-C district (Planned Unit Development - Commercial), a preferred zone for wireless facilities. (Section 18.110.050)
- The proposed facility is a stealth rooftop installation with the antennas being located behind a newly designed parapet wall visually designed to match the existing building. (Section 18.110.070). The proposed facility is designed to ensure that it does not appear as an antenna facility by mimicking the existing look of the building. Furthermore, the proposed facility is setback from Bernal Avenue (a main thoroughfare) and thereby less visible.
- The equipment cabinets are setback from Nevada Street and behind an existing gate and trash enclosure, where they are the least visible from surrounding properties and public places. (Section 18.11.070).
- AT&T searched for, but was unable to identify a viable collocation opportunity in the search area, however, the Proposed Facility will accommodate future collocation, in compliance with Section 18.110.060.
- The Proposed Facility is not readily visible from Highway I-580 nor Highway I-680. (Sec. 18.110.050(A)).

Alternative Site 1 – 3400 Nevada Street

Property does not offer a less intrusive means for AT&T to close the significant service coverage gap.

The building located on this property is a single story building. Placement on this rooftop would not be feasible from a coverage objective due to the existing cupolas on the rooftop. A camouflaged facility, defined as a faux tree or flagpole, would require an approximate height of 60-feet, due to the antennas being required to be stacked at different heights on the flagpole. A large, freestanding structure would not be compatible with the surroundings as there are no other buildings or freestanding structures of this height. (Section 18.110.050)

Alternative Site 2 – 3560 Nevada Street

Property owner did not express a willingness to lease to AT&T.

AT&T approached the property owner via phone calls and sent a preliminary Letter of Interest, no response was received.

Furthermore, due to the limited space on the property, a camouflaged facility, defined as a faux tree or flagpole would not be a viable option. In addition, a large-free standing structure of 60-feet, would not be compatible with the surroundings as there are no other buildings or freestanding structures of this height. (Section 18.110.050).

Alternative Site 3 – 3295 Bernal Avenue

Property does not meet RF coverage objectives.

This property is located on Bernal Avenue, a main thoroughfare in Pleasanton. This property is a single story building. Placement of a PWS on the rooftop would not satisfy RF's coverage objectives. Additionally, there is no ground space to place a free-standing structure on the property.

Alternative Site 4 – 188 Wyoming

Property does not offer a less intrusive means for AT&T to close the significant service coverage gap.

The building located on this property is a single story building placement on this rooftop would not be feasible from a coverage objective. A slimline monopole on this parcel would require installing a new structure of approximately 60-feet which would not meet the City's requirements for PWSs to blend in with the surrounding area as there are no other structures in this area that are 60-feet in height.

Alternative Site 5 – 3283 Bernal Avenue

Property does not offer a less intrusive means for AT&T to close the significant service coverage gap.

The building located on this property is a single story building placement on this rooftop would not be feasible from a coverage objective. A slimline monopole on this parcel would require installing a new structure of approximately 60-feet which would not meet the City's requirements for PWSs to blend in with the surrounding area as there are no other structures in this area that are 60-feet in height.

Alternative Site 6 – 176 Wyoming Street

Property does not offer a less intrusive means for AT&T to close the significant service coverage gap.

The building located on this property is a single story building placement on this rooftop would not be feasible from a coverage objective. A slimline monopole on this parcel would require installing a new structure of approximately 60-feet which would not meet the City's requirements for PWSs to blend in with the surrounding area as there are no other structures in this area that are 60-feet in height.

Alternative Site 7 – 164 Wyoming Street

Property does not offer a less intrusive means for AT&T to close the significant service coverage gap.

The building located on this property is a single story building placement on this rooftop would not be feasible from a coverage objective. A slimline monopole on this parcel would require installing a new structure of approximately 60-feet which would not meet the City's requirements for PWSs to blend in with the surrounding area as there are no other structures in this area that are 60-feet in height.

Alternative Site 8 – 142 Wyoming Street

Property does not offer a less intrusive means for AT&T to close the significant service coverage gap.

The building located on this property is a single story building placement on this rooftop would not be feasible from a coverage objective. A slimline monopole on this parcel would require installing a new structure of approximately 60-feet which would not meet the City's requirements for PWSs to blend in with the surrounding area as there are no other structures in this area that are 60-feet in height.

Alternative Site 9 - 3588 Utah Street

Property does not offer a less intrusive means for AT&T to close the significant service coverage gap.

A portion of the building is outside of the search ring. Although this is a two-story building, a new PWS on this property would be no less intrusive than the proposed location. Furthermore, there is not as much available ground space for placement of ground equipment on the property.

Alternative Site 10 – 3275 Bernal Avenue

Property does not offer a less intrusive means for AT&T to close the significant service coverage gap.

The building located on this property is a single story building placement on this rooftop would not be feasible from a coverage objective. A slimline monopole on this parcel would require installing a new structure of approximately 60-feet which would not meet the City's requirements for PWSs to blend in with the surrounding area as there are no other structures in this area that are 60-feet in height.

Alternative Site 11 – 3150 Bernal Avenue

Property does not offer a less intrusive means for AT&T to close the significant service coverage gap.

Property is a raw, undeveloped land. A new PWS on this property would be required to be a free standing structure. It would not be compatible with the City's ordinance requirement that new PWSs blend in with the surrounding area.

Conclusion

The Proposed Facility is the least intrusive means by which AT&T can close its significant service coverage gap and complies fully with the City of Pleasanton Wireless Telecommunications Ordinance (Chapter 18.110).

P13-2070

EXHIBIT B



CNU4220 / FA: #10553439

STANLEY BLVD
3589 NEVADA STREET
PLEASANTON, CA 94566

March 17, 2014

View #: 1



The illustration above is a representation of the proposed project based on information provided by the client. Actual construction may vary dependent on approved construction plans and therefore PTS (Pacific Telecom Services) is not responsible for any post production design changes. Monotree disclaimer: (in the event that the proposed installation includes a monotree) The proposed installation is an artistic representation of a tree, and not intended to be an exact reproduction of an actual living tree. The final installation will have cables, cable ports, and various attachments, such as antennas, nuts, and bolts. While every effort will be made to disguise these components, they will not be readily apparent to the casual observer or passerby. However, upon close scrutiny, the true nature of the installation will be apparent.

AT&T Mobility
4430 Rosewood Drive
Pleasanton, CA 94588
Radha Sharma - Phone: (510) 912-2313

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MAR 26 2014

CITY OF PLEASANTON
PLANNING DIVISION

Prepared by: CJL

PTS
Pacific Telecom Services, LLC
3199 C Airport Loop Drive, Costa Mesa, CA 92626-3414

REV
2

CNU4220 / FA: #10553439

STANLEY BLVD
3589 NEVADA STREET
PLEASANTON, CA 94566



March 17, 2014

View #: 2



Location



Existing



Proposed

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Pleasanton, CA 94588
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Prepared by: CJL
Pacific Telecom Services, LLC
3199 C Airport Loop Drive, Costa Mesa, CA 92626-3414

PTS
REV 2

CNU4220 / FA: #10553439

STANLEY BLVD
3589 NEVADA STREET
PLEASANTON, CA 94566



March 17, 2014

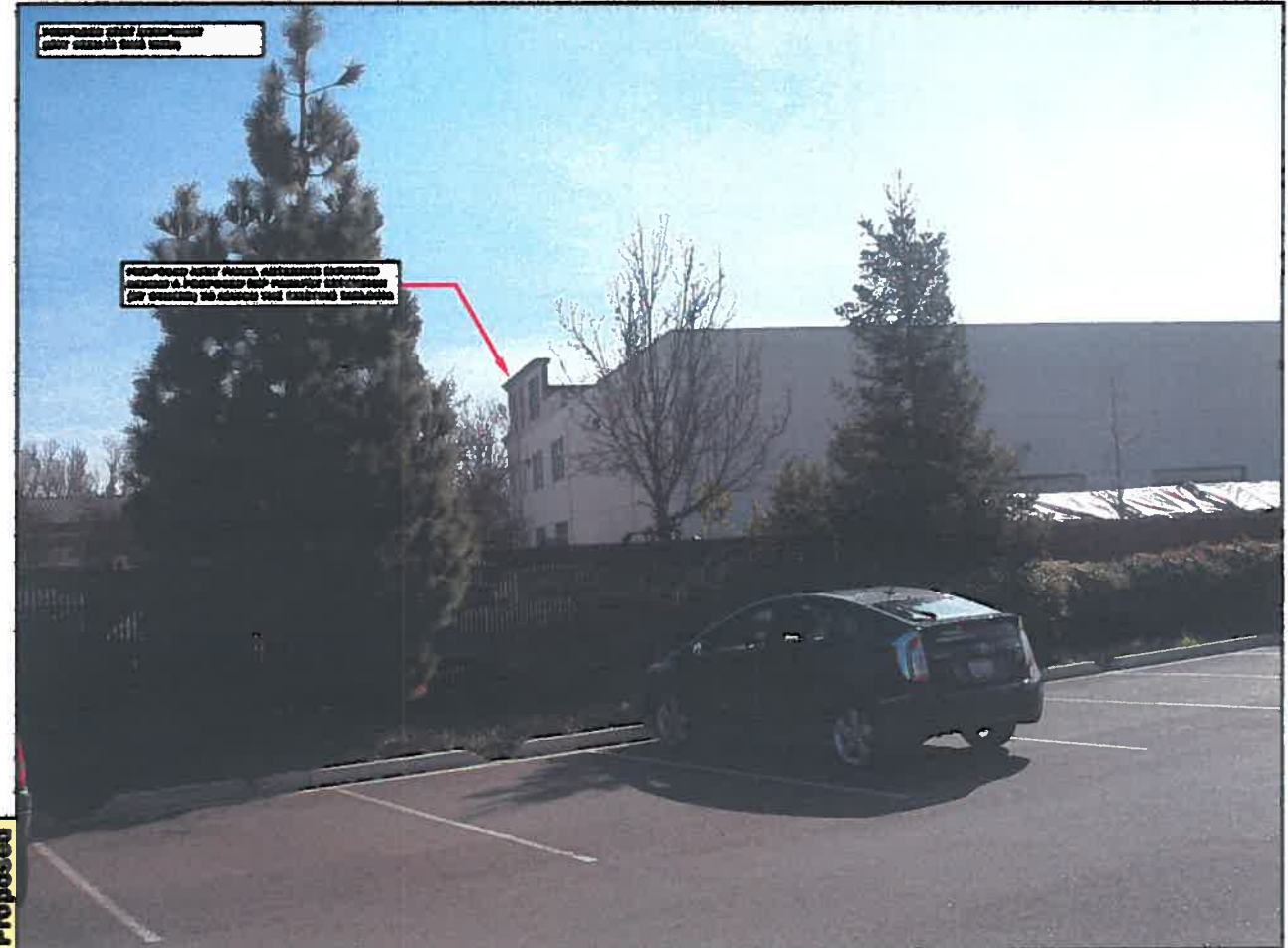
View #: 3



Location



Existing



Proposed

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Pleasanton, CA 94588
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CNU4220 / FA: #10553439

STANLEY BLVD
3589 NEVADA STREET
PLEASANTON, CA 94566



March 17, 2014

View #: 4



Location



Existing



Proposed

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Pleasanton, CA 94588
Radha Sharma - Phone: (510) 912-2313

Prepared by: CJL
Pacific Telecom Services, LLC
1199 C Airport Loop Drive, Costa Mesa, CA 92626-3414



REV
2

CNU4220 / FA: #10553439

STANLEY BLVD
3589 NEVADA STREET
PLEASANTON, CA 94566



March 17, 2014

View #: 5



Location



Existing



Proposed

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AT&T Mobility
4430 Rosewood Drive
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Radha Sharma - Phone: (510) 912-2313

Prepared by: CJL
Pacific Telecom Services, LLC
3188 G Airport Loop Drive, Costa Mesa, CA 92626-3414

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2

P13-2070

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MAR 28 2014

CITY OF PLEASANTON
PLANNING DIVISION

CNU4220 Zoning Propagation Map

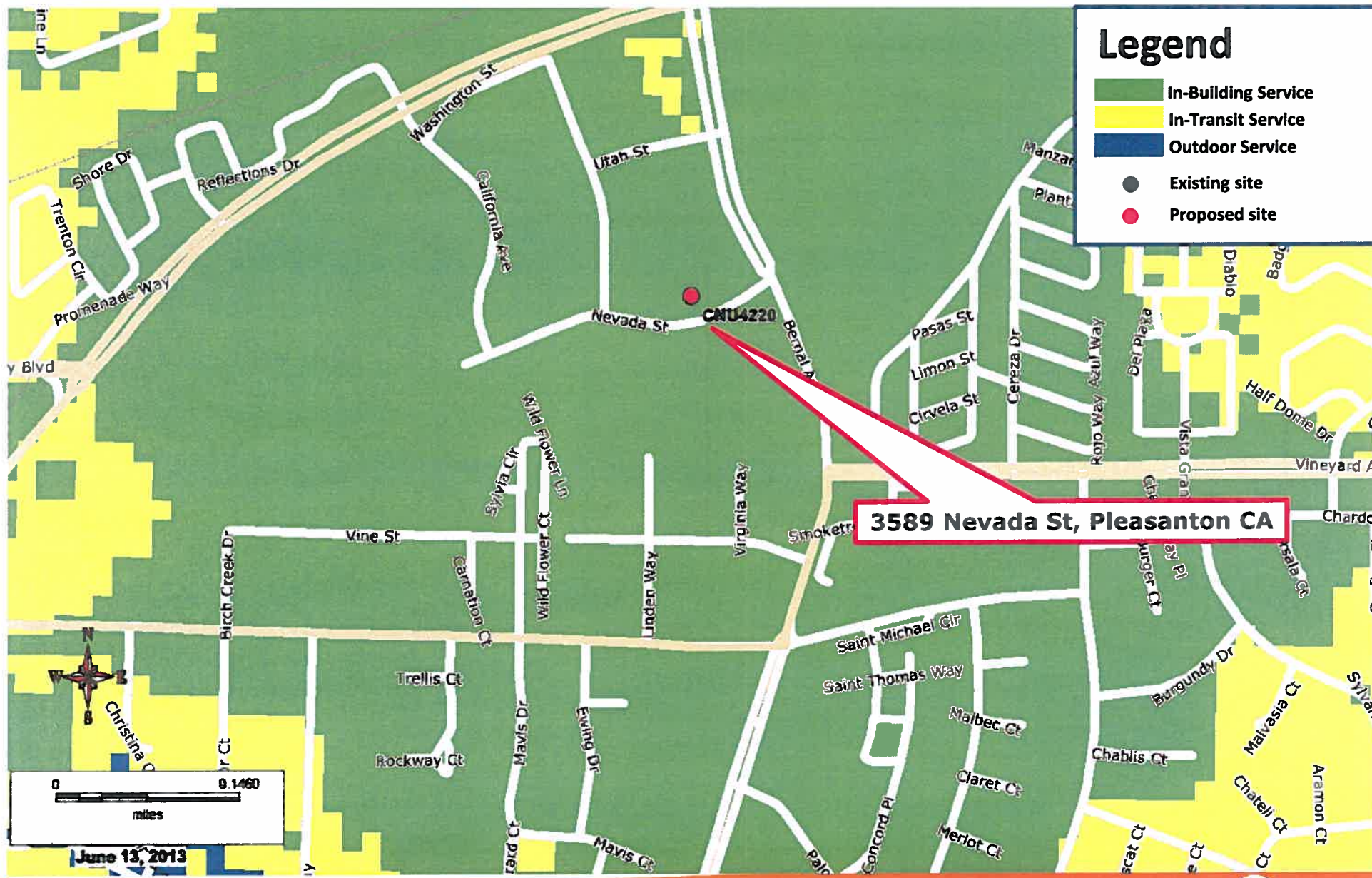
June 13, 2013

EXHIBIT B

Existing UMTS 850 Coverage



Proposed UMTS 850 Coverage – 3589 Nevada St @ (RC = 35 ft)



**AT&T Mobility • Proposed Base Station (Site No. CNU4220)
3589 Nevada Street • Pleasanton, California**

Statement of Hammett & Edison, Inc., Consulting Engineers

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained on behalf of AT&T Mobility, a personal wireless telecommunications carrier, to evaluate the base station (Site No. CNU4220) proposed to be located at 3589 Nevada Street in Pleasanton, California, for compliance with appropriate guidelines limiting human exposure to radio frequency ("RF") electromagnetic fields.

Executive Summary

AT&T proposes to install directional panel antennas above the roof of the two-story commercial building located at 3589 Nevada Street in Pleasanton. The proposed operation will comply with the FCC guidelines limiting public exposure to RF energy.

Prevailing Exposure Standards

The U.S. Congress requires that the Federal Communications Commission ("FCC") evaluate its actions for possible significant impact on the environment. A summary of the FCC's exposure limits is shown in Figure 1. These limits apply for continuous exposures and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health. The most restrictive FCC limit for exposures of unlimited duration to radio frequency energy for several personal wireless services are as follows:

<u>Wireless Service</u>	<u>Frequency Band</u>	<u>Occupational Limit</u>	<u>Public Limit</u>
Microwave (Point-to-Point)	5,000–80,000 MHz	5.00 mW/cm ²	1.00 mW/cm ²
BRS (Broadband Radio)	2,600	5.00	1.00
AWS (Advanced Wireless)	2,100	5.00	1.00
PCS (Personal Communication)	1,950	5.00	1.00
Cellular	870	2.90	0.58
SMR (Specialized Mobile Radio)	855	2.85	0.57
700 MHz	700	2.40	0.48
[most restrictive frequency range]	30–300	1.00	0.20

General Facility Requirements

Base stations typically consist of two distinct parts: the electronic transceivers (also called "radios" or "channels") that are connected to the traditional wired telephone lines, and the passive antennas that send the wireless signals created by the radios out to be received by individual subscriber units. The transceivers are often located at ground level and are connected to the antennas by coaxial cables. A small antenna for reception of GPS signals is also required, mounted with a clear view of the sky. Because of the short wavelength of the frequencies assigned by the FCC for wireless services, the antennas require line-of-sight paths for their signals to propagate well and so are installed at some

**AT&T Mobility • Proposed Base Station (Site No. CNU4220)
3589 Nevada Street • Pleasanton, California**

height above ground. The antennas are designed to concentrate their energy toward the horizon, with very little energy wasted toward the sky or the ground. This means that it is generally not possible for exposure conditions to approach the maximum permissible exposure limits without being physically very near the antennas.

Computer Modeling Method

The FCC provides direction for determining compliance in its Office of Engineering and Technology Bulletin No. 65, "Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radio Frequency Radiation," dated August 1997. Figure 2 attached describes the calculation methodologies, reflecting the facts that a directional antenna's radiation pattern is not fully formed at locations very close by (the "near-field" effect) and that at greater distances the power level from an energy source decreases with the square of the distance from it (the "inverse square law"). The conservative nature of this method for evaluating exposure conditions has been verified by numerous field tests.

Site and Facility Description

Based upon information provided by AT&T, including zoning drawings by Pacific Telecom Services, LLC, dated April 24, 2013, it is proposed to install twelve Andrew Model SBNH-1D6565B directional panel antennas behind new view screens above the south end of the roof of the two-story commercial building located at 3589 Nevada Street in Pleasanton. The antennas would be mounted with up to 6° downtilt at an effective height of about 35 feet above ground, 11½ feet above the roof, and would be oriented in groups of four toward 90°T, 170°T, and 260°T. The maximum effective radiated power in any direction would be 9,950 watts, representing simultaneous operation at 7,830 watts for PCS, 1,000 watts for cellular, and 1,120 watts for 700 MHz service. There are reported no other wireless telecommunications base stations at the site or nearby.

Study Results

For a person anywhere at ground, the maximum RF exposure level due to the proposed AT&T operation is calculated to be 0.059 mW/cm², which is 6.0% of the applicable public exposure limit. The maximum calculated level at the second-floor elevation of any nearby building* is 9.9% of the public exposure limit. The maximum calculated level at the second-floor elevation of any nearby residence† is 1.6% of the public exposure limit. It should be noted that these results include several "worst-case" assumptions and therefore are expected to overstate actual power density levels from the proposed operation.

* Located at least 80 feet away, based on photographs from Google Maps.

† Located at least 525 feet away, based on photographs from Google Maps.

**AT&T Mobility • Proposed Base Station (Site No. CNU4220)
3589 Nevada Street • Pleasanton, California**

Recommended Mitigation Measures

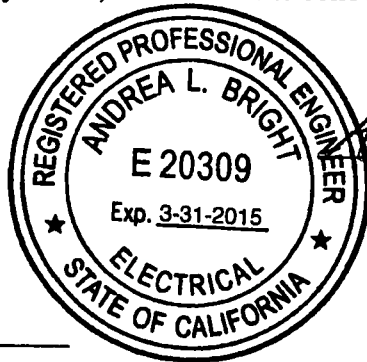
Due to their mounting locations, the AT&T antennas would not be accessible to the general public, and so no mitigation measures are necessary to comply with the FCC public exposure guidelines. To prevent occupational exposures in excess of the FCC guidelines, no access within 14 feet directly in front of the antennas themselves, such as might occur during maintenance work on the building, should be allowed while the base station is in operation, unless other measures can be demonstrated to ensure that occupational protection requirements are met. Posting explanatory warning signs[‡] at the roof access door and on the screens in front of the antennas, such that the signs would be readily visible from any angle of approach to persons who might need to work within that distance, would be sufficient to meet FCC-adopted guidelines.

Conclusion

Based on the information and analysis above, it is the undersigned's professional opinion that operation of the base station proposed by AT&T Mobility at 3589 Nevada Street in Pleasanton, California, will comply with the prevailing standards for limiting public exposure to radio frequency energy and, therefore, will not for this reason cause a significant impact on the environment. The highest calculated level in publicly accessible areas is much less than the prevailing standards allow for exposures of unlimited duration. This finding is consistent with measurements of actual exposure conditions taken at other operating base stations. Posting explanatory signs is recommended to establish compliance with occupational exposure limitations.

Authorship

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration No. E-20309, which expires on March 31, 2015. This work has been carried out under her direction, and all statements are true and correct of her own knowledge except, where noted, when data has been supplied by others, which data she believes to be correct.



Andrea L. Bright
Andrea L. Bright, R.E.
707/996-5200

June 27, 2013

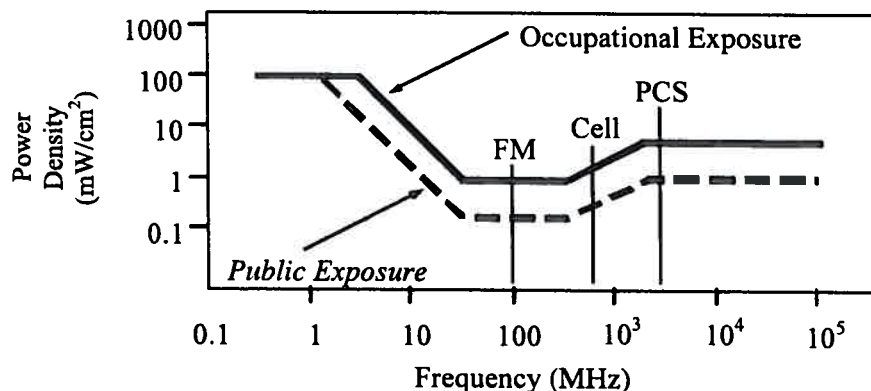
[‡] Warning signs should comply with OET-65 color, symbol, and content recommendations. Contact information should be provided (e.g., a telephone number) to arrange for access to restricted areas. The selection of language(s) is not an engineering matter, and guidance from the landlord, local zoning or health authority, or appropriate professionals may be required.

FCC Radio Frequency Protection Guide

The U.S. Congress required (1996 Telecom Act) the Federal Communications Commission (“FCC”) to adopt a nationwide human exposure standard to ensure that its licensees do not, cumulatively, have a significant impact on the environment. The FCC adopted the limits from Report No. 86, “Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields,” published in 1986 by the Congressionally chartered National Council on Radiation Protection and Measurements (“NCRP”). Separate limits apply for occupational and public exposure conditions, with the latter limits generally five times more restrictive. The more recent standard, developed by the Institute of Electrical and Electronics Engineers and approved as American National Standard ANSI/IEEE C95.1-2006, “Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz,” includes similar limits. These limits apply for continuous exposures from all sources and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health.

As shown in the table and chart below, separate limits apply for occupational and public exposure conditions, with the latter limits (in *italics* and/or dashed) up to five times more restrictive:

Frequency Applicable Range (MHz)	Electromagnetic Fields (<i>f</i> is frequency of emission in MHz)					
	Electric Field Strength (V/m)		Magnetic Field Strength (A/m)		Equivalent Far-Field Power Density (mW/cm ²)	
0.3 – 1.34	614	<i>614</i>	1.63	<i>1.63</i>	100	<i>100</i>
1.34 – 3.0	614	<i>823.8/f</i>	1.63	<i>2.19/f</i>	100	<i>180/f²</i>
3.0 – 30	1842/f	<i>823.8/f</i>	4.89/f	<i>2.19/f</i>	900/f ²	<i>180/f²</i>
30 – 300	61.4	<i>27.5</i>	0.163	<i>0.0729</i>	1.0	<i>0.2</i>
300 – 1,500	3.54√ <i>f</i>	<i>1.59√f</i>	√ <i>f</i> /106	<i>√f/238</i>	<i>f/300</i>	<i>f/1500</i>
1,500 – 100,000	137	<i>61.4</i>	0.364	<i>0.163</i>	5.0	<i>1.0</i>



Higher levels are allowed for short periods of time, such that total exposure levels averaged over six or thirty minutes, for occupational or public settings, respectively, do not exceed the limits, and higher levels also are allowed for exposures to small areas, such that the spatially averaged levels do not exceed the limits. However, neither of these allowances is incorporated in the conservative calculation formulas in the FCC Office of Engineering and Technology Bulletin No. 65 (August 1997) for projecting field levels. Hammett & Edison has built those formulas into a proprietary program that calculates, at each location on an arbitrary rectangular grid, the total expected power density from any number of individual radio sources. The program allows for the description of buildings and uneven terrain, if required to obtain more accurate projections.



RFR.CALC™ Calculation Methodology

Assessment by Calculation of Compliance with FCC Exposure Guidelines

The U.S. Congress required (1996 Telecom Act) the Federal Communications Commission (“FCC”) to adopt a nationwide human exposure standard to ensure that its licensees do not, cumulatively, have a significant impact on the environment. The maximum permissible exposure limits adopted by the FCC (see Figure 1) apply for continuous exposures from all sources and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health. Higher levels are allowed for short periods of time, such that total exposure levels averaged over six or thirty minutes, for occupational or public settings, respectively, do not exceed the limits.

Near Field.

Prediction methods have been developed for the near field zone of panel (directional) and whip (omnidirectional) antennas, typical at wireless telecommunications base stations, as well as dish (aperture) antennas, typically used for microwave links. The antenna patterns are not fully formed in the near field at these antennas, and the FCC Office of Engineering and Technology Bulletin No. 65 (August 1997) gives suitable formulas for calculating power density within such zones.

For a panel or whip antenna, power density $S = \frac{180}{\theta_{BW}} \times \frac{0.1 \times P_{net}}{\pi \times D \times h}$, in mW/cm²,

and for an aperture antenna, maximum power density $S_{max} = \frac{0.1 \times 16 \times \eta \times P_{net}}{\pi \times h^2}$, in mW/cm²,

- where θ_{BW} = half-power beamwidth of the antenna, in degrees, and
 P_{net} = net power input to the antenna, in watts,
 D = distance from antenna, in meters,
 h = aperture height of the antenna, in meters, and
 η = aperture efficiency (unitless, typically 0.5-0.8).

The factor of 0.1 in the numerators converts to the desired units of power density.

Far Field.

OET-65 gives this formula for calculating power density in the far field of an individual RF source:

$$\text{power density } S = \frac{2.56 \times 1.64 \times 100 \times RFF^2 \times ERP}{4 \times \pi \times D^2}, \text{ in mW/cm}^2,$$

- where ERP = total ERP (all polarizations), in kilowatts,
RFF = relative field factor at the direction to the actual point of calculation, and
D = distance from the center of radiation to the point of calculation, in meters.

The factor of 2.56 accounts for the increase in power density due to ground reflection, assuming a reflection coefficient of 1.6 (1.6 x 1.6 = 2.56). The factor of 1.64 is the gain of a half-wave dipole relative to an isotropic radiator. The factor of 100 in the numerator converts to the desired units of power density. This formula has been built into a proprietary program that calculates, at each location on an arbitrary rectangular grid, the total expected power density from any number of individual radiation sources. The program also allows for the description of uneven terrain in the vicinity, to obtain more accurate projections.



**AT&T Mobility • Proposed Base Station (Site No. CNU4220)
3589 Nevada Street • Pleasanton, California**

EXHIBIT B

Statement of Hammett & Edison, Inc., Consulting Engineers

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained on behalf of AT&T Mobility, a personal telecommunications carrier, to evaluate its base station (Site No. CNU4220) proposed to be located at 3589 Nevada Street in Pleasanton, California, for compliance with appropriate guidelines limiting sound levels from the installation.

Executive Summary

AT&T proposes to install a new base station at 3589 Nevada Street in Pleasanton, to include an equipment shelter and a stand-by diesel generator. Noise levels from the equipment operations will be below the allowed municipal limits.

Prevailing Standard

The City of Pleasanton sets forth limits on sound levels in Section 4 "Noise Regulations" of Chapter 9 "Health and Safety" of its Municipal Code, including the following maximum outdoor noise levels by land use category, to be assessed at the nearest property line:

<u>Originating Land Use</u>	<u>Maximum Level</u>	<u>Reference</u>
Residential	60 dBA	§9.04.030
Commercial	70 dBA	§9.04.040
Industrial	75 dBA	§9.04.050

The emergency use of standby electricity generators is exempt from these limits (§9.04.072), as well as (§9.04.020) the "routine testing ... as may be necessary to assure reliability in the event of emergencies."

Figure 1 attached describes the calculation methodology used to determine applicable noise levels for evaluation against the prevailing standard.

General Facility Requirements

Wireless telecommunications facilities ("cell sites") typically consist of two distinct parts: the electronic base transceiver stations ("BTS" or "cabinets") that are connected to traditional wired telephone lines, and the antennas that send wireless signals created by the BTS out to be received by individual subscriber units. The BTS are often located outdoors at ground level and are connected to the antennas by coaxial cables. The BTS typically require environmental units to cool the electronics inside. Such cooling is often integrated into the BTS, although external air conditioning may be installed, especially when the BTS are housed within a larger enclosure.



**AT&T Mobility • Proposed Base Station (Site No. CNU4220)
3589 Nevada Street • Pleasanton, California**

Most cell sites have back-up battery power available, to run the site for some number of hours in the event of a power outage. Many sites have back-up power generators installed, to run the site during an extended power outage.

Site & Facility Description

Based upon information provided by AT&T Mobility, including zoning drawings by Pacific Telecom Services LLC, dated October 3, 2013, that carrier proposes to install base station equipment within an equipment shelter to be placed in the parking lot on the west of the commercial property located at 3589 Nevada Street in Pleasanton, California. The equipment inside the shelter would be cooled by two air conditioners mounted on the front of the shelter, such as Bard Model WA4S1; they are typically installed as a pair for redundancy and alternate their operation, so that both do not operate simultaneously. A Generac Model SD050 standby diesel power generator is to be installed for emergency use, in the event of an extended commercial power outage. Such generators typically operate for a 15-minute test period once a week during normal business hours on a weekday, in order to ensure their readiness. The nearest property line is to the west, less than 2 feet from the back of the shelter.

Proposed to be located on the building at the site are directional panel antennas for the AT&T base station operation; this portion of the facility does not generate noise.

Study Results

Bard reports that the maximum sound level from the air conditioning units is 65.0 dBA, measured at 10 feet away. Accounting just for the distance involved, and ignoring the attenuating effects of the mounting locations on the face of the shelter opposite the nearest property line, the calculated noise level at that line is 59.9 dBA, which is well below the 70 dBA limit applicable for commercial zoning. Actual noise levels are expected to be even lower.

Conclusion

Based on the information and analysis above, it is the undersigned's professional opinion that the AT&T Mobility base station proposed to be located at 3589 Nevada Street in Pleasanton, California, will comply with that city's standards limiting acoustic noise emission levels.

**AT&T Mobility • Proposed Base Station (Site No. CNU4220)
3589 Nevada Street • Pleasanton, California**

Authorship

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration Nos. E-13026 and M-20676, which expire on June 30, 2015. This work has been carried out under his direction, and all statements are true and correct of his own knowledge except, where noted, when data has been supplied by others, which data he believes to be correct.



William F. Hammett

William F. Hammett, P.E.

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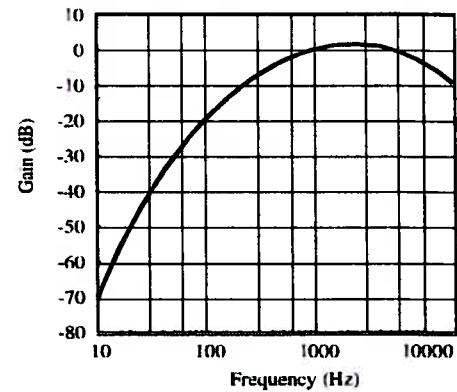
October 22, 2013



HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

Noise Level Calculation Methodology

Most municipalities and other agencies specify noise limits in units of dBA, which is intended to mimic the reduced receptivity of the human ear to Sound Pressure (“L_P”) at particularly low or high frequencies. This frequency-sensitive filter shape, shown in the graph to the right as defined in the International Electrotechnical Commission Standard No. 179, the American National Standards Institute Standard No. 5.1, and various other standards, is also incorporated into most calibrated field test equipment for measuring noise levels.



30 dBA	library
40 dBA	rural background
50 dBA	office space
60 dBA	conversation
70 dBA	car radio
80 dBA	traffic corner
90 dBA	lawnmower

The dBA units of measure are referenced to a pressure of 20 μPa (micropascals), which is the threshold of normal hearing. Although noise levels vary greatly by location and noise source, representative levels are shown in the box to the left.

Manufacturers of many types of equipment, such as air conditioners, generators, and telecommunications devices, often test their products in various configurations to determine the acoustical emissions at certain distances. This data, normally expressed in dBA at a known reference distance, can be used to determine the corresponding sound pressure level at any particular distance, such as at a nearby building or property line. The sound pressure drops as the square of the increase in distance, according to the formula:

$$L_P = L_K + 20 \log(D_K/D_P),$$

where L_P is the sound pressure level at distance D_P and L_K is the known sound pressure level at distance D_K.

Individual sound pressure levels at a particular point from several different noise sources cannot be combined directly in units of dBA. Rather, the units need to be converted to scalar sound intensity units in order to be added together, then converted back to decibel units, according to the formula:

where L_T is the total sound pressure level and L₁, L₂, etc are individual sound pressure levels.

$$L_T = 10 \log (10^{L_1/10} + 10^{L_2/10} + \dots),$$

Certain equipment installations may include the placement of barriers and/or absorptive materials to reduce transmission of noise beyond the site. Noise Reduction Coefficients (“NRC”) are published for many different materials, expressed as unitless power factors, with 0 being perfect reflection and 1 being perfect absorption. Unpainted concrete block, for instance, can have an NRC as high as 0.35. However, a barrier’s effectiveness depends on its specific configuration, as well as the materials used and their surface treatment.