



AT&T SITE NAME: CCL06126

**3111 BENTON STREET
SANTA CLARA, CA 95051
JURISDICTION: CITY OF SANTA CLARA
APN: 290-27-006**

INITIATIVE / PROJECT: NSB
USID#: 298767
FA LOCATION CODE: 15376635
RFDS ID #: 4289118
RFDS VERSION: 4.00
RFDS DATE: 10/11/23
PACE JOB#: MRSFR073883
PTN#: 3701A0WEDV

SITE TYPE: OUTDOOR EQUIPMENT / BROADLEAF MONOTREE

T-1.1

PROJECT INFORMATION

SITE NAME:	CCL06126	SITE ACQUISITION COMPANY:	COMPLETE WIRELESS CONSULTING 2009 V STREET SACRAMENTO, CA 95818
SITE #:	CCL06126	LEASING CONTACT:	ATTN: ROCKY CORDOVA (916) 616-0468 RCORDOVA@COMPLETEWIRELESS.NET
COUNTY:	SANTA CLARA	ZONING CONTACT:	ATTN: STEVE PROO (916) 838-6713 SPROO@COMPLETEWIRELESS.NET
JURISDICTION:	CITY OF SANTA CLARA	CONSTRUCTION CONTACT:	BECHTEL KEITH CONNER (408) 306-3801 SKCONNER@BECHTEL.COM
APN:	290-27-006		
SITE ADDRESS:	3111 BENTON STREET SANTA CLARA, CA 95051		
CURRENT ZONING:	PUBLIC / QUAS (B)		
CONSTRUCTION TYPE:	V-B		
OCCUPANCY TYPE:	U, (UNMANNED COMMUNICATIONS FACILITY)		
POWER:	SILICON VALLEY POWER		
LATITUDE:	N 37° 20' 48.69" NAD 83 N 37.346859° NAD 83		
LONGITUDE:	W 121° 59' 05.42" NAD 83 W 121.984841° NAD 83		
GROUND ELEVATION:	98' AMSL		
PROPERTY OWNER:	SANTA CLARA FIRST BAPTIST CHURCH 3111 BENTON STREET SANTA CLARA, CA 95051		
APPLICANT:	AT&T MOBILITY 5001 EXECUTIVE PARKWAY SAN RAMON, CA 94583		

A map of the area around the proposed site. The map shows several streets, including Santa Clara Ave, Santa Clara Blvd, and Santa Clara Pkwy. A black arrow points to a specific location on Santa Clara Ave, labeled "SITE LOCATION". The map also shows various landmarks, including schools, parks, and commercial areas.

DRIVING DIRECTIONS

FROM:	5001 EXECUTIVE PARKWAY, SAN RAMON, CA 94583	
TO:	3111 BENTON STREET, SANTA CLARA, CA 95051	
1.	HEAD SOUTHWEST	33 FT
2.	TURN RIGHT	12 FT
3.	TURN LEFT TOWARD EXECUTIVE PKWY	164 FT
4.	TURN RIGHT TOWARD EXECUTIVE PKWY	295 FT
5.	TURN RIGHT ONTO EXECUTIVE PKWY	0.2 MI
6.	TURN RIGHT ONTO CAMINO RAMON	0.6 MI
7.	USE THE RIGHT 2 LANES TO TURN RIGHT ONTO BOLLINGER CANYON RD	0.5 MI
8.	USE THE RIGHT LANE TO MERGE ONTO I-680 S VIA THE RAMP TO SAN JOSE	0.3 MI
9.	MERGE ONTO I-680 S	27.8 MI
10.	TAKE EXIT 6 FOR MONTAGUE EXPWY	0.4 MI
11.	MERGE ONTO MONTAGUE EXPWY	5.8 MI
12.	CONTINUE ONTO SAN TOMAS EXPWY	2.5 MI
13.	TURN RIGHT ONTO BENTON ST	1.3 MI
14.	TURN LEFT	0.0 MI
END AT: 3111 BENTON STREET, SANTA CLARA, CA 95051		
ESTIMATED TIME: 1 HOUR		ESTIMATED DISTANCE: 38.8 MILES

CODE COMPLIANCE

2022 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, VOLUME 1&2, TITLE 24 C.C.R.
(2021 INTERNATIONAL BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2021 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
(2021 UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA FIRE CODE (CFC), PART 6, TITLE 24 C.C.R.
2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
(2022 CALIFORNIA GREEN BUILDING STANDARDS, PART 12, TITLE 24 C.C.R.
ANSI/EA-174-222-H

ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS

DISABLED ACCESS REQUIREMENTS

THIS FACILITY IS UNMANNED & NOT FOR HUMAN HABITATION. DISABLED ACCESS & REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE BUILDING CODE, TITLE 24 PART 2, SECTION 11B-203.5

SHEET INDEX

SHEET	DESCRIPTION	REV	SHEET	DESCRIPTION	REV
T-1.1	TITLE SHEET	-			
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C-2	TOPOGRAPHIC SURVEY	-			
A-1.1	OVERALL SITE PLAN	-			
A-1.2	ENLARGED SITE PLAN	-			
A-1.3	ENLARGED BROADLEAF MONOTREE PLAN	-			
A-1.4	EQUIPMENT PLAN	-			
A-2.1	ANTENNA PLANS	-			
A-3.1	ELEVATIONS	-			
A-3.2	ELEVATIONS	-			
A-4.1	ANTENNA DETAILS	-			
A-4.2	EQUIPMENT DETAILS	-			
E-1.1	ELECTRICAL PLAN	-			

DATE OF SURVEY: 01-19-23

SURVEYED BY OR UNDER DIRECTION OF: KENNETH D. GEIL, R.C.E.
14803

LOCATED IN THE COUNTY OF SANTA CLARA, STATE OF CALIFORNIA

BEARINGS SHOWN ARE BASED UPON MONUMENTS FOUND AND
RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY.

ELEVATIONS SHOWN ON THIS PLAN ARE BASED UPON U.S.G.S.
N.A.V.D. 88 DATUM. ABOVE MEAN SEA LEVEL.

N.G.V.D. 1929 CORRECTION: SUBTRACT 2.73' FROM ELEVATIONS
SHOWN.

CONTOUR INTERVAL: N.A.

FEMA FLOOD ZONE "X" PER FIRM 06085C0226J DATED 05-18-2009

CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA PRIOR TO
CONSTRUCTION.

ASSESSOR'S PARCEL NUMBER: 290-27-006

OWNER(S): SANTA CLARA FIRST BAPTIST CHURCH
3111 BENTON STREET
SANTA CLARA, CA 95051

A.T. & T.

Project Name: CCL06126

Project Site Location: 3111 Benton Street
Santa Clara, CA 95051
Santa Clara County

Assessor's Parcel No.: 290-27-006

Date of Observation: 07-12-23

Equipment/Procedure Used to Obtain Coordinates: Trimble GeoXT post
processed with Pathfinder Office software.

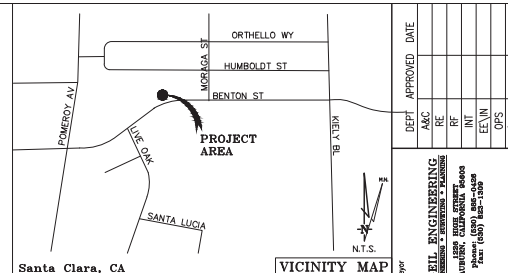
Type of Antenna Mount: Proposed Monopine

Coordinates:

Latitude: N 37°20'48.69" (NAD83) N 37°20'48.90" (NAD27)
Longitude: W 121°59'05.42" (NAD83) W 121°59'01.57" (NAD27)

Latitude: N 37.346859° (NAD83) N 37.346917° (NAD27)
Longitude: W 121.984841° (NAD83) W 121.983771° (NAD27)

ELEVATION of Ground at Structure (NAVD88) 98' AMSL



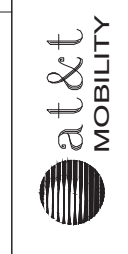
THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION AS
INSTRUMENTS OF SERVICE, ARE THE EXCLUSIVE PROPERTY OF GEIL
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CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE
RESTRICTIONS.

BOUNDARY SHOWN IS BASED ON MONUMENTATION FOUND AND RECORD
INFORMATION. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED
TOPOGRAPHIC MAP WITH PROPERTY LINES AND EASEMENTS BEING A
GRAPHIC DEPICTION BASED ON INFORMATION GATHERED FROM VARIOUS
SOURCES OF RECORD AND AVAILABLE MONUMENTATION FOUND DURING THE
FIELD SURVEY. NO EASEMENTS WERE RESEARCHED OR PLOTTED. PROPERTY
LINES AND LINES OF TITLE WERE NOT INVESTIGATED NOR SURVEYED. NO
PROPERTY MONUMENTS WERE SET.

DEPT	APPROVED	DATE
ASAC		
SEC		
INT		
INT		
INT		
OPS		
EE/OUT		

Surveyor
CCL06126
3111 Benton Street
Santa Clara, CA 95051
PLOT PLAN AND
SITE TOPOGRAPHY

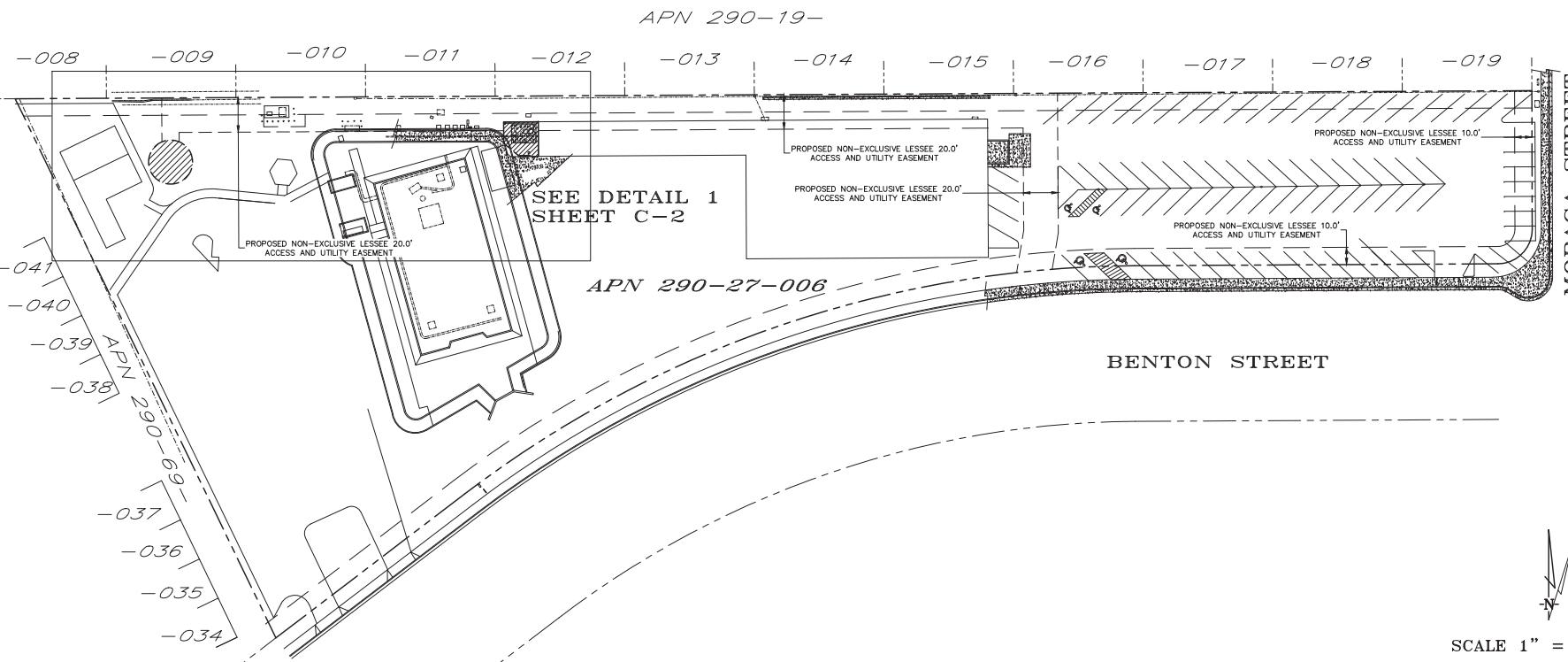
Surveyor
CCL06126
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Santa Clara, CA 95051
PLOT PLAN AND
SITE TOPOGRAPHY



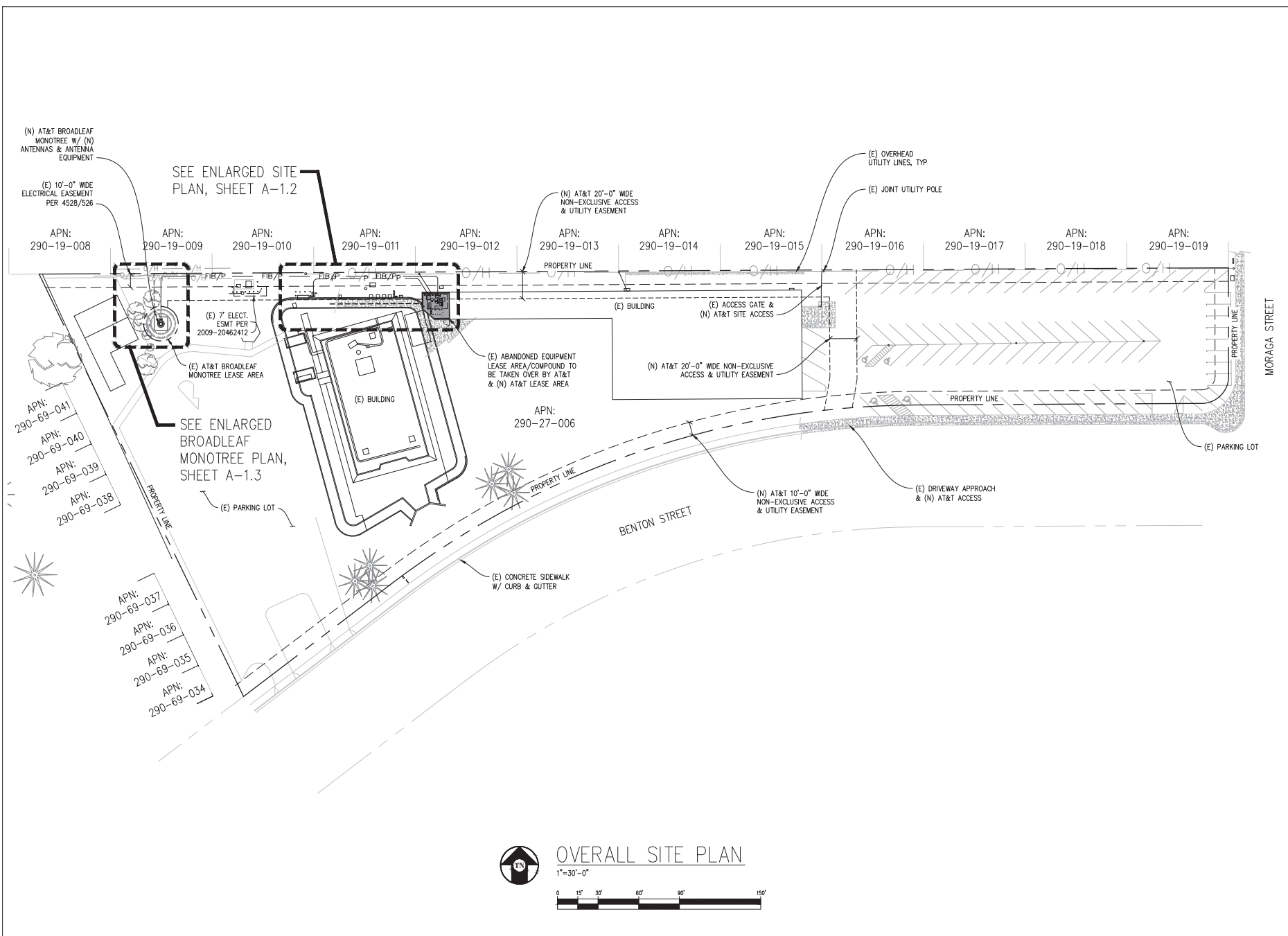
CCL06126
3111 Benton Street
Santa Clara, CA 95051
PLOT PLAN AND
SITE TOPOGRAPHY

REVISIONS	DATE	BY	CHKD	APPD
01-19-23	rev	kdg	kdg	kdg
07-12-23	rev	kdg	kdg	kdg
08-24-23	rev	kdg	kdg	kdg
11-17-23	rev	kdg	kdg	kdg

Sheet
C-1



SCALE 1" = 30'
OVERALL PROJECT AREA



Issued For:

CCL06126
CCL06126

3111 BENTON STREET
SANTA CLARA, CA 95051

PREPARED FOR

at&t

5001 Executive Parkway
San Ramon, California 94583

Vendor:

COMPLETE
Wireless Consulting, Inc.

AT&T SITE NO: CCL06126

PROJECT NO: -

DRAWN BY: C. COLSTON

CHECKED BY: J. GRAY

APPROVED BY: -

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
1	11/17/23	ZD 100%	C.T.C.
0	08/21/23	ZD 90%	C.T.C.

Licensee:

**PRELIMINARY:
NOT FOR
CONSTRUCTION**

KEVIN R. SORENSEN
S4469

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.

ENGINEER:

Streamline Engineering
and Design, Inc.

8445 Santa Clara Road, Suite 8, Cupertino, CA 95014
Contact: Kevin Sorenson Phone: 916-465-1930
E-Mail: kevin@streamlineeng.com Fax: 916-465-1941

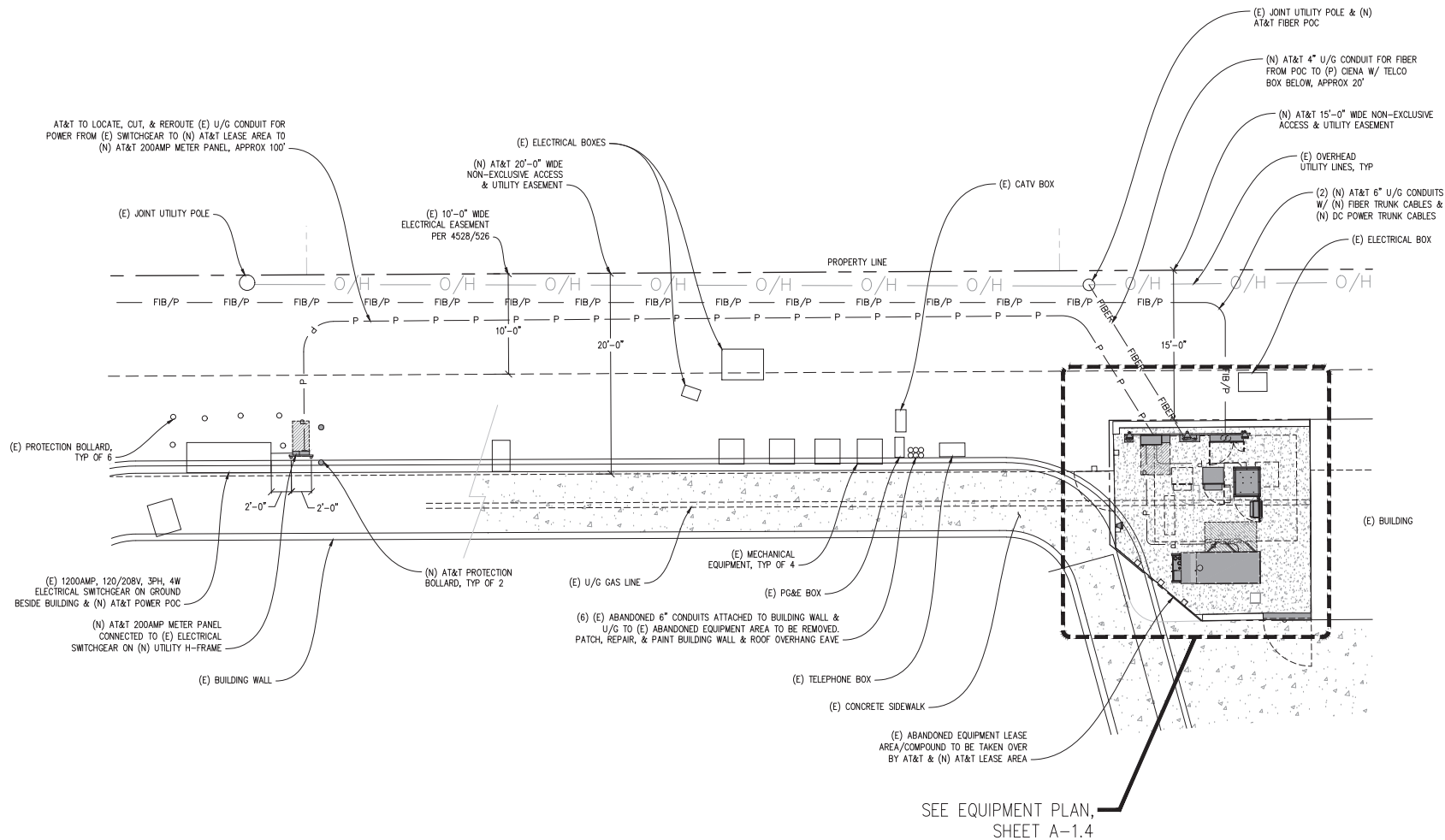
THESE PLANS AND SPECIFICATIONS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF THEY COMPLY WITH ALL CITY, COUNTY AND STATE REQUIREMENTS. I AM A duly Licensed Professional Engineer in the State of California, License No. S4469, and I am not providing any services outside the State of California.

SHEET TITLE:

**OVERALL
SITE PLAN**

SHEET NUMBER:

A-1.1



ENLARGED SITE PLAN

1"=5'-0"



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San Ramon, California 94583

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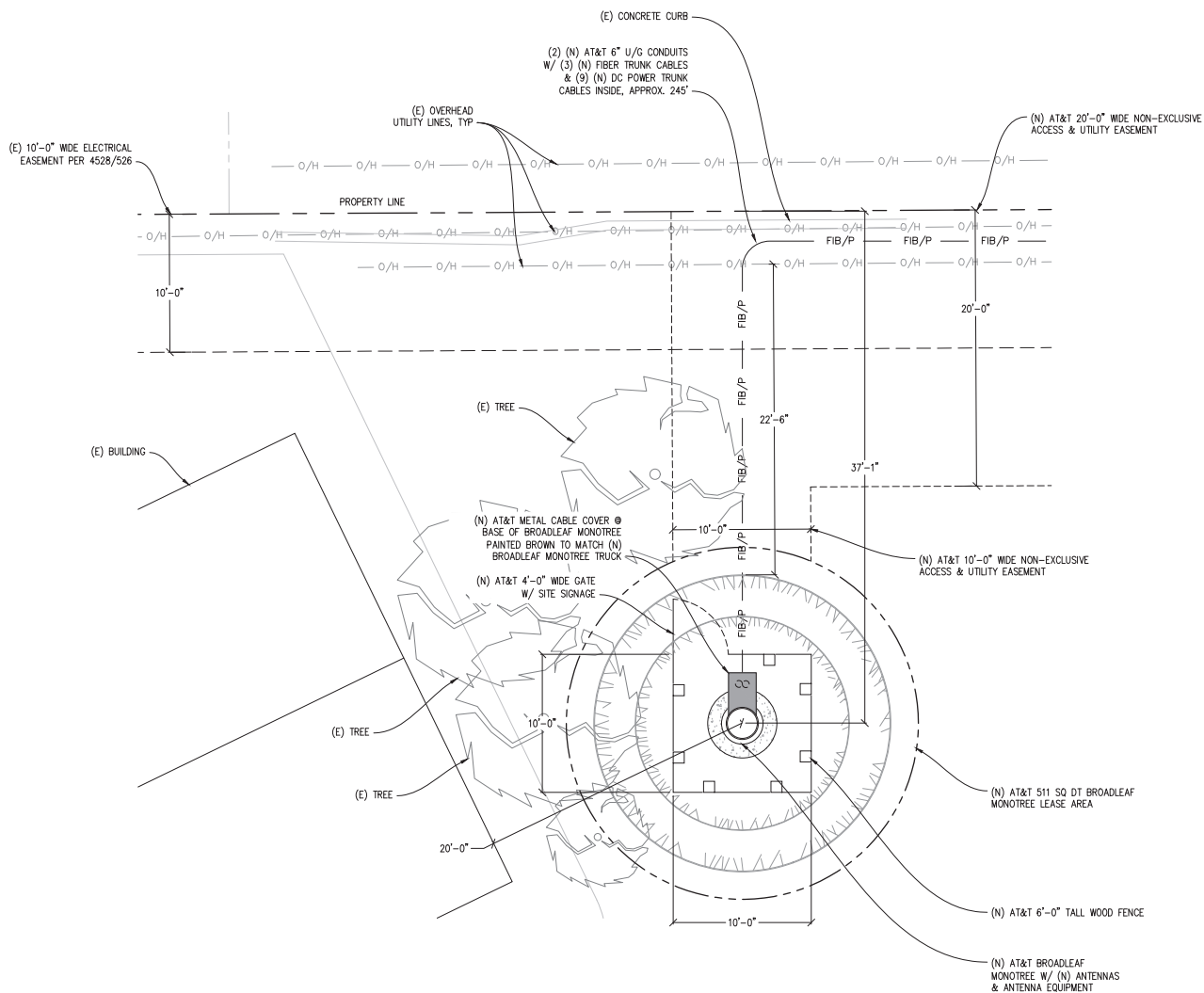


SHEET TITLE:

ENLARGED SITE
PLAN

SHEET NUMBER:

A-1.2



ENLARGED BROADLEAF MONOTREE PLAN

1/4"=1'-0"



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SANTA CLARA, CA 95051

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Vendor:



AT&T SITE NO: CCL06126

PROJECT NO: -

DRAWN BY: C. COLSTON

CHECKED BY: J. GRAY

APPROVED BY: -

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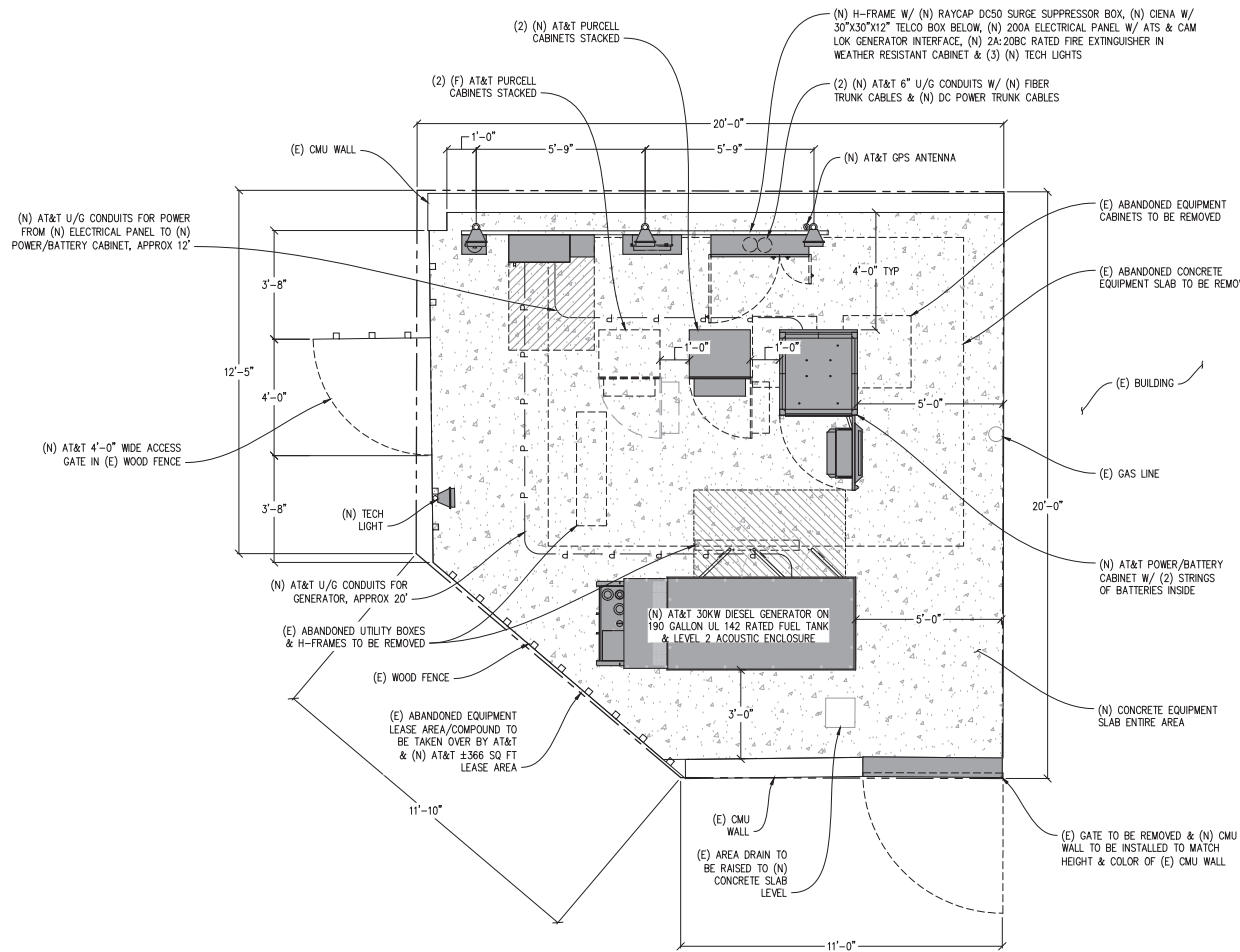


SHEET TITLE:

ENL. BROADLEAF
MONOTREE PLAN

SHEET NUMBER:

A-1.3



NOTES:

1. ALL (E) ABANDONED U/G CONDUITS UNDER LEASE AREA TO BE REMOVED. LOCATE, REUSE & REROUTE (E) U/G CONDUITS FOR POWER & FIBER FROM OUTSIDE LEASE AREA TO INSIDE LEASE AREA.

2. LOCATE & PROTECT (E) U/G GAS LINE THROUGH LEASE AREA.



EQUIPMENT PLAN

1/2"=1'-0"



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CCL06126
CCL06126

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SANTA CLARA, CA 95051

PREPARED FOR



5001 Executive Parkway
San Ramon, California 94583

Vendor:



AT&T SITE NO: CCL06126

PROJECT NO: -

DRAWN BY: C. COLSTON

CHECKED BY: J. GRAY

APPROVED BY: -

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ENGINEER:



SHEET TITLE:

EQUIPMENT
PLAN

SHEET NUMBER:

A-1.4



$\frac{1}{2}'' = 1' - 0''$

0 6" 1' 2' 3' 5' 7' 10'



$\frac{1}{2}'' = 1' - 0''$

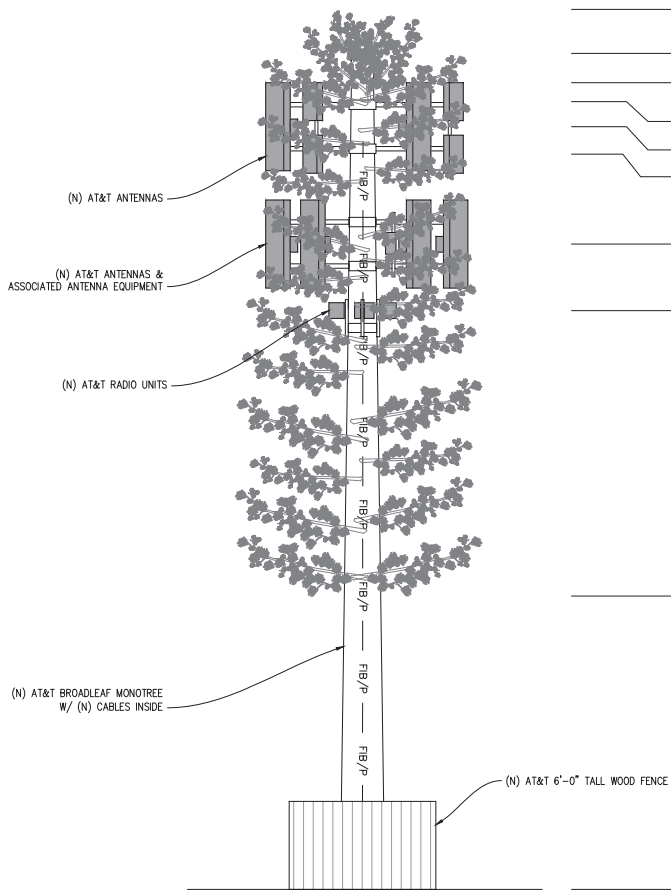


RFDS DATE	10/11/23
RFDS REV	4.00

NOTE:
1. ANTENNA POSITIONS ARE LEFT TO RIGHT FROM
FRONT OF ANTENNA.
2. EQUIPMENT IS PRELIMINARY & SUBJECT TO CHANGE.

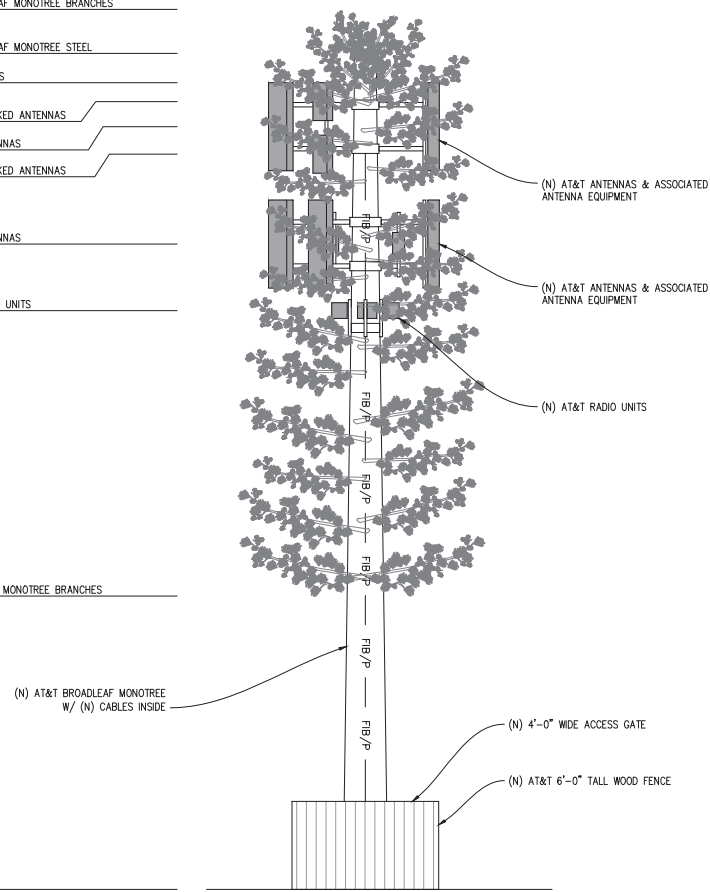
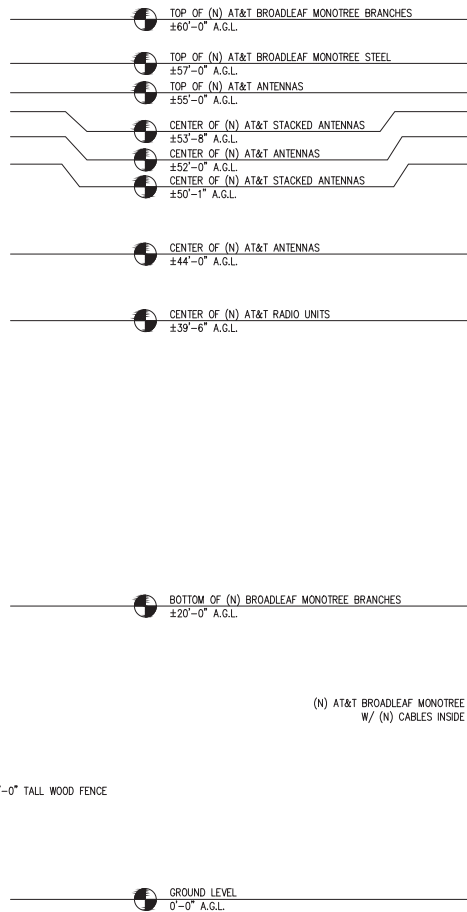


$\lambda_2^* = 1' - 0''$



SOUTH ELEVATION

1/4"=1'-0"



EAST ELEVATION

1/4"=1'-0"



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Licenses:

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ENCLOSURE:

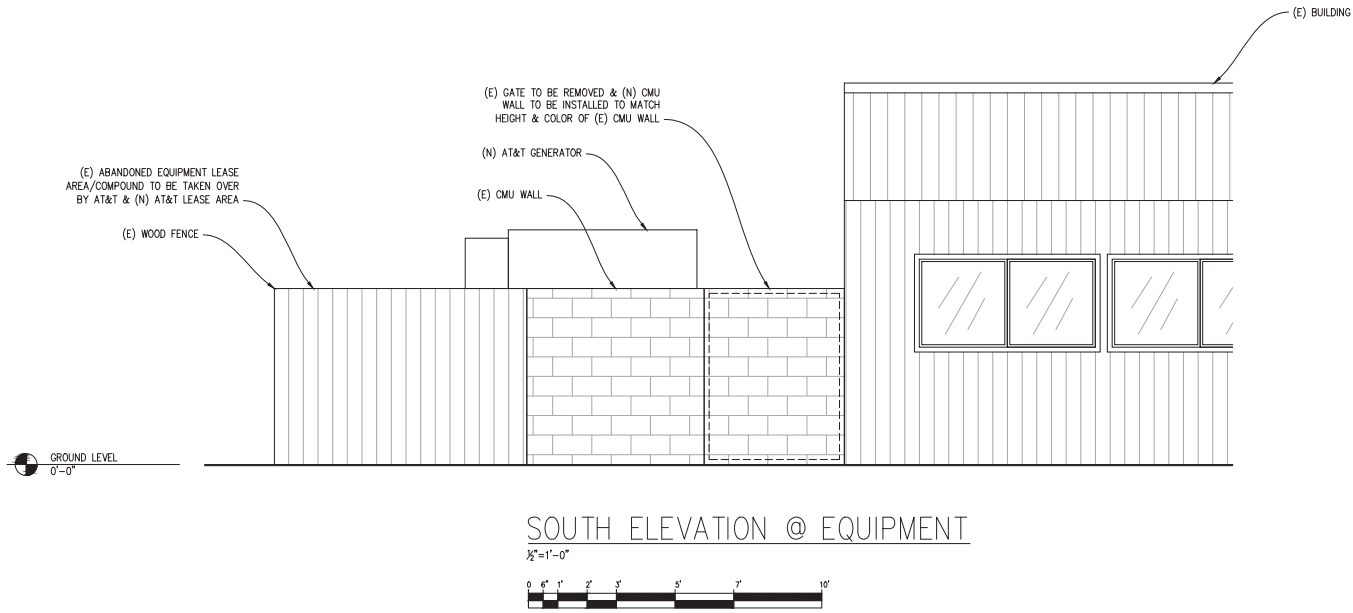
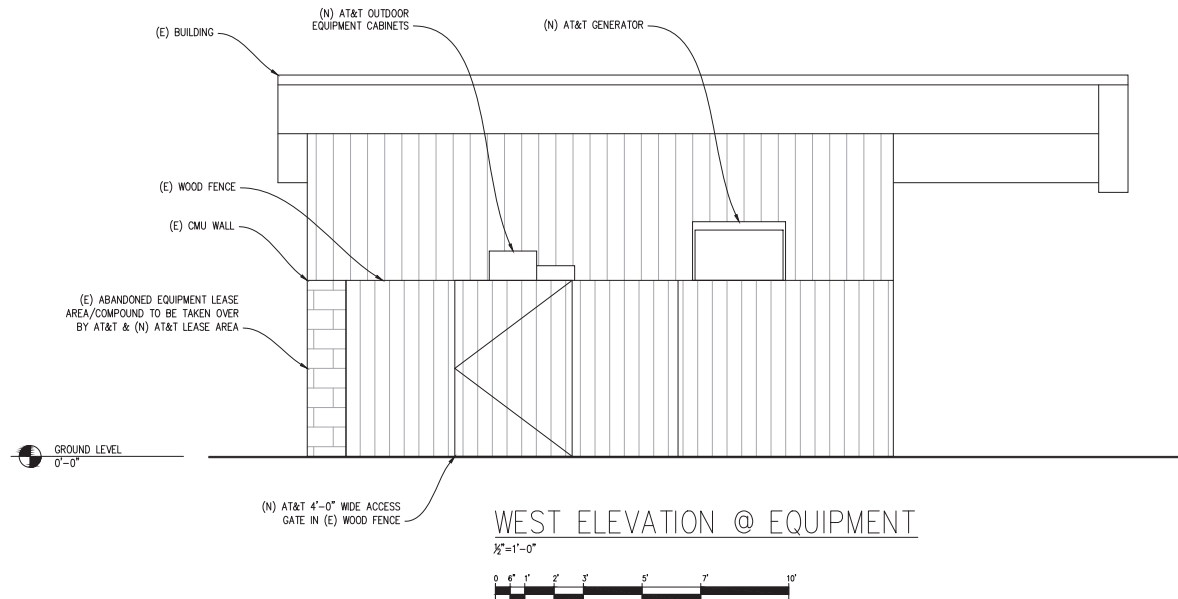


SHEET TITLE:

ELEVATIONS

SHEET NUMBER:

A-3.1



Issued For:

CCL06126
CCL06126

3111 BENTON STREET
SANTA CLARA, CA 95051

PREPARED FOR

at&t

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San Ramon, California 94583

Vendor:

COMPLETE
Wireless Consulting, Inc.

AT&T SITE NO: CCL06126
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DRAWN BY: C. COLSTON
CHECKED BY: J. GRAY
APPROVED BY: -

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ENGINEER:

Streamline Engineering
Civil/Structural/MEP

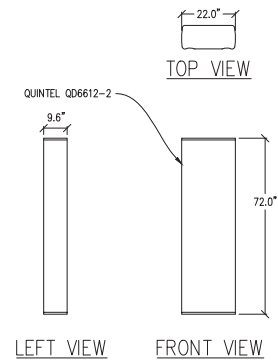
4441 Santa Clara Road, Suite E, Santa Clara, CA 95051
Contact: Kevin Sorenson Phone: 916-465-1930
E-Mail: kevin@streamlineeng.com Fax: 916-465-1941

SHEET TITLE:

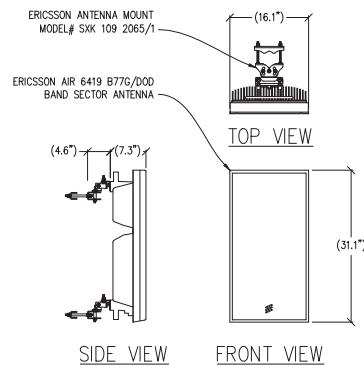
ELEVATIONS

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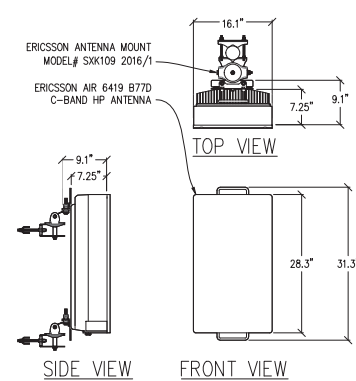
A-3.2



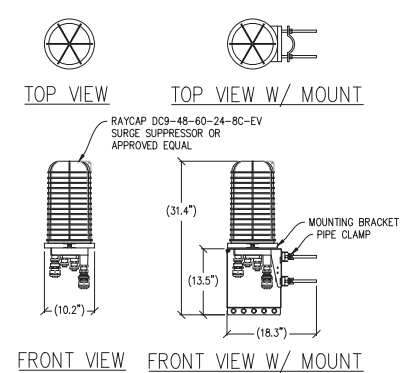
① ANTENNA DETAIL
1/2"=1'-0" MAX WEIGHT: 88 LBS



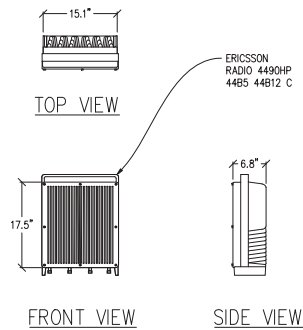
② ANTENNA DETAIL
1"=1'-0" MAX WEIGHT: 55.4 LBS



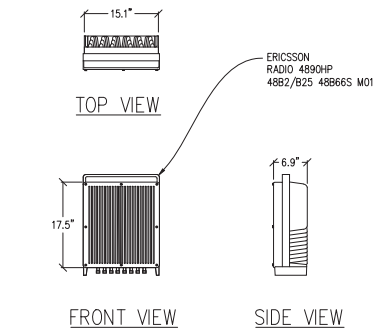
③ ANTENNA DETAIL
1"=1'-0" MAX WEIGHT: 64 LBS



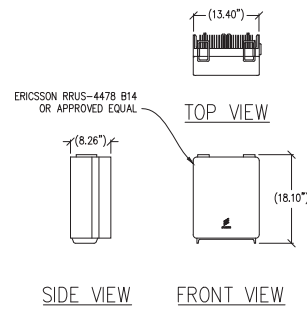
④ SURGE SUPPRESSOR DETAIL
1"=1'-0" MAX WEIGHT = 26.2 LBS



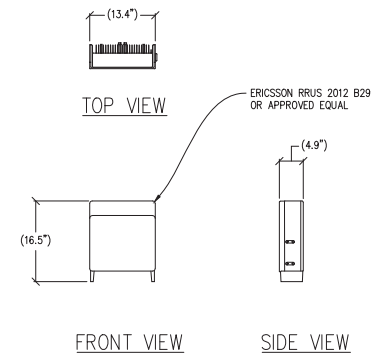
⑤ RADIO 4490HP DETAIL
1"=1'-0" MAX WEIGHT: 68 LBS



⑥ RADIO 4890HP DETAIL
1"=1'-0" MAX WEIGHT: 68 LBS



⑦ RRUS-4478 B14 DETAIL
1"=1'-0" MAX WEIGHT: 59.4 LBS



⑧ RRUS-2012 B29 DETAIL
1"=1'-0" MAX WEIGHT: 46 LBS

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CCL06126
CCL06126
3111 BENTON STREET
SANTA CLARA, CA 95051

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at&t
5001 Executive Parkway
San Ramon, California 94583

Vendor:
COMPLETE
Wireless Consulting, Inc.

AT&T SITE NO: CCL06126
PROJECT NO: -
DRAWN BY: C. COLSTON
CHECKED BY: J. GRAY
APPROVED BY: -

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0	08/21/23	ZD 90%	C.T.C	

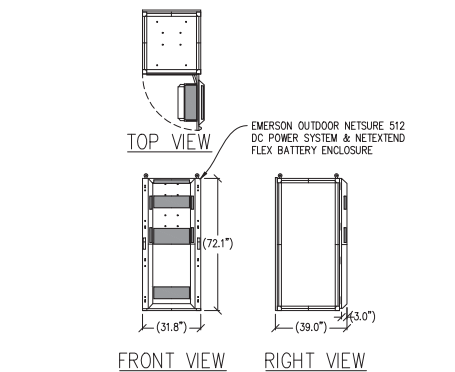
Licensee:
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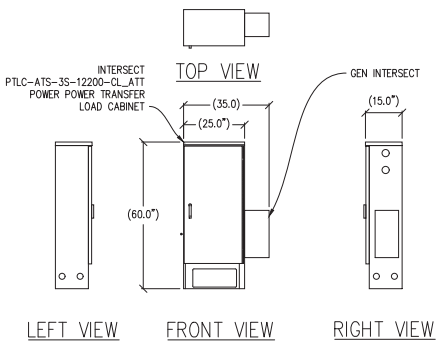
ENGINEER:
Streamline Engineering
and Consulting, Inc.
3441 Santa Clara Road, Suite 8, Santa Clara, CA 95051
Contact: Kevin Sorenson Phone: 950-465-1930
E-Mail: kevin@streamlineeng.com Fax: 950-465-1941
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SHEET TITLE:
**ANTENNA
DETAILS**

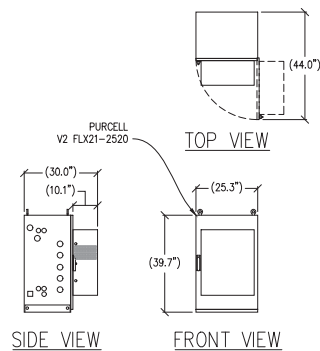
SHEET NUMBER:
A-4.1



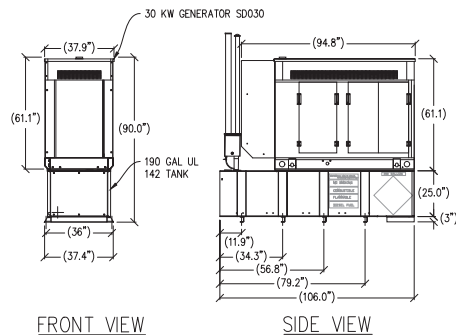
1 POWER/BATTERY CABINET DETAIL
 $\frac{3}{8}"=1'-0"$ MAX WEIGHT: 2348 LBS W/ (8) BATTERIES



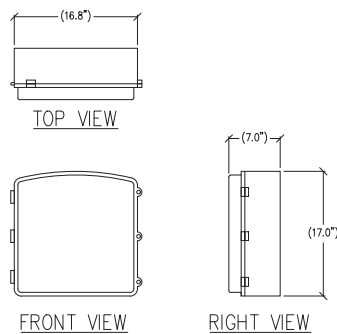
5 ELECTRICAL PANEL DETAIL
 $\frac{1}{2}"=1'-0"$ MAX WEIGHT: 150 LBS



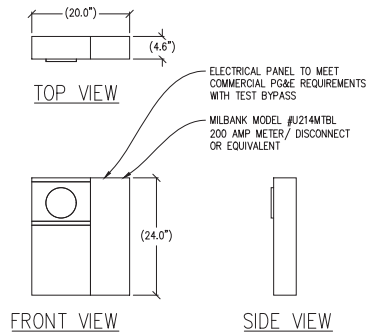
2 PURCELL DETAIL
 $\frac{1}{2}"=1'-0"$ EMPTY WEIGHT: 140 LBS



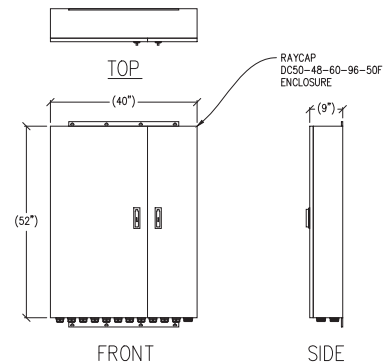
6 30KW GENERATOR DETAIL
 $\frac{3}{8}"=1'-0"$ MAX WEIGHT: 3,106 LBS



3 CN 3931 DETAIL
 $1\frac{1}{2}"=1'-0"$ MAX WEIGHT: 28.6 LBS



7 METER DETAIL
 $1"=1'-0"$



4 RAYCAP DC50 DETAIL
 $\frac{3}{4}"=1'-0"$ MAX WEIGHT: 165 LBS

Issued For:
 CCL06126
 CCL06126
 3111 BENTON STREET
 SANTA CLARA, CA 95051

PREPARED FOR

 5001 Executive Parkway
 San Ramon, California 94583

Vendor:

AT&T SITE NO: CCL06126
 PROJECT NO: -
 DRAWN BY: C. COLSTON
 CHECKED BY: J. GRAY
 APPROVED BY: -

ISSUE STATUS				
REV	DATE	DESCRIPTION	CAD	
1	11/17/23	ZD 100%	C.T.C.	
0	08/21/23	ZD 90%	C.T.C.	

Licensee:
 PRELIMINARY:
 NOT FOR
 CONSTRUCTION
 KEVIN R. SORENSEN
 S1469

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 ENGINEER, TO ALTER THIS DOCUMENT.

ENGINEER:

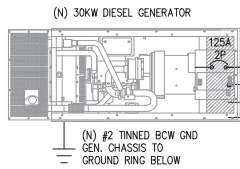
 8445 Santa Clara Road, Suite E, Cupertino, CA 95014
 Contact: Kevin Sorenson Phone: 916-665-1930
 E-Mail: kevin@streamlineeng.com Fax: 916-665-1941
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SHEET TITLE:
 EQUIPMENT
 DETAILS

SHEET NUMBER:
 A-4.2

(E) 1200AMP, 120/208V, 3PH, 4W
ELECTRICAL SWITCHGEAR ON GROUND
BESIDE BUILDING & (N) AT&T POWER POC

TO INCOMING (E) UTILITY

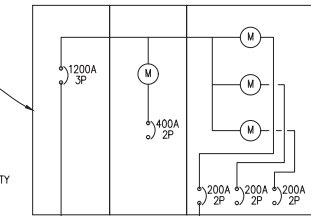


AUTOSTART CONTROLLER (2) #12, 1" C
(3) #3/0, #4 GND, 3" C

(N) BATTERY
CHARGER &
HEATER BLOCK

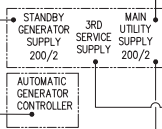
(N) ALARM
DIST

(3) #8,
W/#10 GND,
IN 1" C



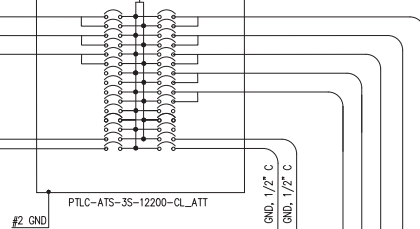
(N) AT&T 200AMP METER
PANEL W/ DISCONNECT
ON (N) UTILITY H-FRAME

(3) 3/0, #6 GND, 2" U/G
CONDUIT, APPROX 100'



(N) 200 AMP ELECTRICAL
PANEL ATTACHED TO (N)
UTILITY H-FRAME INSIDE
(N) AT&T LEASE AREA

(N) AT&T CAM-LOK
GENERATOR INTERFACE



#2 GND

(2) #12, #12 GND, 1/2" C
(2) #12, #12 GND, 1/2" C

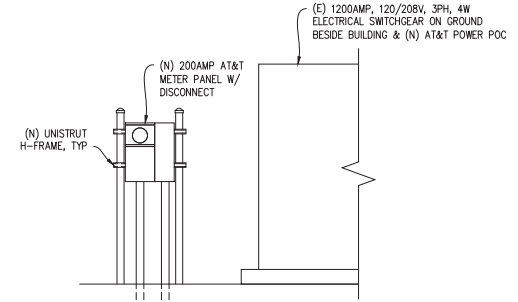
(N) GFI OUTLET
WATERPROOF

(N) WATERPROOF OUTDOOR
6HR TIMER SWITCH

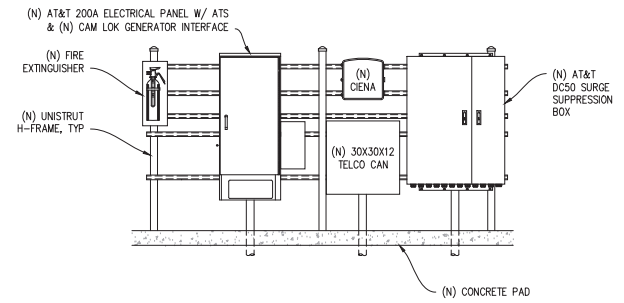
(N) OUTDOOR LED LIGHT
FIXTURE W/ TOP VISOR &
SWIVEL MOUNT, TYP OF 4

ELECTRICAL LEGEND

- (M) MECHANICAL INTERLOCK
- (M) METER
- ⤵ CIRCUIT BREAKER
- ⊥ SERVICE GROUND
- WIRED CONNECTION
- ⏏ TIMER SWITCH, WATERPROOF
- ☼ OUTDOOR LIGHT
- ⌚ GFI OUTLET, WATERPROOF



1 H-FRAME ELEVATION
1/2"=1'-0" @ POWER POC



2 H-FRAME ELEVATION
1/2"=1'-0" @ EQUIPMENT

PANEL SCHEDULE

NAMEPLATE : PANEL A				SC LEVEL : 10,000				VOLTS: 120V/240V, 1ø					
LOCATION : OUTSIDE				BUS AMPS: 200A				BUS AMPS: 200A					
MOUNTING : H-FRAME				MAIN CB: 200A				MAIN CB: 200A					
ØA		ØB								ØA		ØB	
LOAD VA	LOAD VA	LOAD DESCRIPTION		BKR AMP / POLE	CIRCUIT NO		BKR AMP / POLE	LOAD DESCRIPTION		LOAD VA	LOAD VA		
2000		RECTIFIERS 1&2		30/2	1	2	30/2	RECTIFIERS 7&8		2000			
	2000			"	3	4	"				2000		
2000		RECTIFIERS 3&4		30/2	5	6	30/2	RECTIFIERS 9&10		2000			
	2000			"	7	8	"				2000		
2000		RECTIFIERS 5&6		30/2	9	10	30/2	RECTIFIERS 11&12		2000			
	2000			"	11	12	"				2000		
		BLANK		-	13	14	30/2	RECTIFIERS 13&14		2000			
				-	15	16	"				2000		
				-	17	18	30/2	RECTIFIERS 15&16		2000			
				-	19	20	"				2000		
				-	21	22	-	BLANK					
				-	23	24	-						
				-	25	26	-						
1000		(N) BATTERY CHARGER		20/1	27	28	20/1	(N) LIGHT			300		
	250	(N) GEN BLOCK HEATER		20/1	29	30	20/1	(N) GFI RECEPTACLE		180			
7000	6250	PHASE TOTALS						PHASE TOTALS		10180	10300		
TOTAL VA =	33730	TOTAL AMPS =		141									
TOTAL KVA =	33.73												

SINGLE LINE DIAGRAM

Issued For:

CCL06126
CCL06126

3111 BENTON STREET
SANTA CLARA, CA 95051

PREPARED FOR

at&t
5001 Executive Parkway
San Ramon, California 94583

Vendor:

COMPLETE
Wireless Consulting, Inc.

AT&T SITE NO: CCL06126
PROJECT NO: -
DRAWN BY: C. COLSTON
CHECKED BY: J. GRAY
APPROVED BY: -

ISSUE STATUS

REV	DATE	DESCRIPTION	CAUSE
1	11/17/23	2D 100%	C.T.C
0	08/21/23	2D 90%	C.T.C

Licenses:

PRELIMINARY:
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ENGINEER:

Streamline Engineering
4448 Sun Valley Blvd, Suite E, Costa Mesa, CA 92626
Contact: Kevin Sorenson Phone: 949-440-5000
E-Mail: kso@streamlineeng.com Fax: 949-440-1841

SHEET TITLE:

ELECTRICAL PLAN

SHEET NUMBER:

E-1.1