SBA TOWERS XI, LLC
A DELAWARE LIMITED LIABILITY COMPANY
8051 CONGRESS AVE.
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

SITE NAME
HWY 17 & BELL VISTA RELO

SITE I.D.
CA1B19C-S

E911 ADDRESS
APPROXIMATE TO 42 MILES AVE.
LOS GATOS, CA 95030

PROJECT TYPE
STEEL POLE REPLACEMENT

PROJECT DESCRIPTION

THE PROPOSED SCOPE OF WORK IS AS FOLLOWS:

1. (1) EXISTING SBA 645.0 SQ FT LEASE AREA WITH (1) 70.0' WOOD MONOPOLE. THE WOOD MONOPOLE TO BE REPLACED WITH (1) NEW 70.0' STEEL MONOPINE (76.0' AGL OVERALL). ALL EXISTING ANTENNAS & ANCILLARY EQUIPMENT & CABLES TO BE REMOVED. THE PROPOSED EXPANDED SBA LEASE AREA (745.0 SQ FT) TO INCLUDE THE NEW STEEL MONOPINE.
2. NEW 70.0' STEEL MONOPINE (76.0' AGL OVERALL) TO BE CONSTRUCTED FIRST. SOME EXISTING ANTENNAS & ANCILLARY EQUIPMENT FROM EXISTING WOOD POLE TO BE RELOCATED TO NEW MONOPINE. ONCE ALL ANTENNAS & ANCILLARY EQUIPMENT HAVE BEEN REMOVED. THE EXISTING 70.0' WOOD MONOPOLE WILL BE REPLACED W/ A NEW STEEL MONOPINE. TIME FOR CONSTRUCTION AND TESTING WILL BE APPROXIMATELY 4-6 WEEKS.
3. EXISTING RBS 6102 CABINET TO REMAIN. PROPOSED RBS 6160, B160 CABINETS, (6) PANEL ANTENNAS, (6) RRUS, (3) 6/24 4AWG HYBRID CABLES AND ANCILLARY EQUIPMENT TO BE INSTALLED.
4. NEW ELECTRICAL WORK WILL BE REQUIRED.
5. REPLACE WOOD FENCE WITH FIBER COMPOSITE FENCING.
6. PAINT WOOD PLATFORM WITH FIRE RETARDANT PAINT.
7. THERE WILL BE NO MORE THAN ONE TRIP PER MONTH TO THE SITE FOR CASUAL MAINTENANCE.
8. NO NEW NOISE GENERATING EQUIPMENT WILL BE ADDED TO THIS PROJECT.
9. NO NEW COMPOUND LIGHTING IS BEING PROPOSED WITH THIS PROJECT.

CONSULTING TEAM

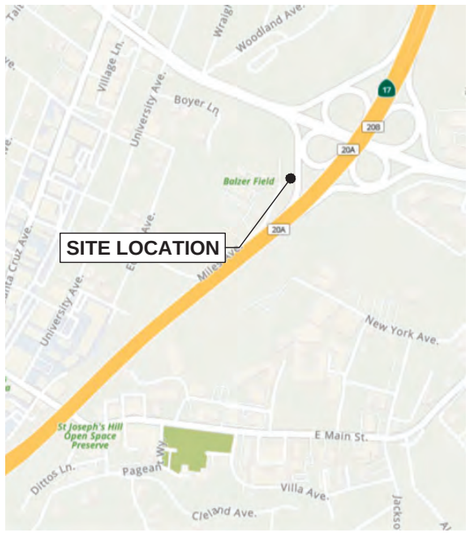
ARCHITECTURAL - ENGINEERING FIRM:
ACOM CONSULTING, INC
5200 SW MEADOWS RD, STE 150
LAKE OSWEGO, OR 97035
CONTACT: RICK MATTESON
PHONE: (425) 209-6723

ENGINEER OF RECORD:
KAID McKAY, P.E.
ACOM CONSULTING, INC
5200 SW MEADOWS RD, SUITE 150
LAKE OSWEGO, OR 97035
PHONE: (503) 828-8831
kmckay@acomconsultinginc.com

SURVEYING FIRM:
AMBIT CONSULTING
410 E. SOUTH AVE.
TEMPE, AZ 85282
CONTACT: PAT DONAHOE
PHONE: (480) 659-4072

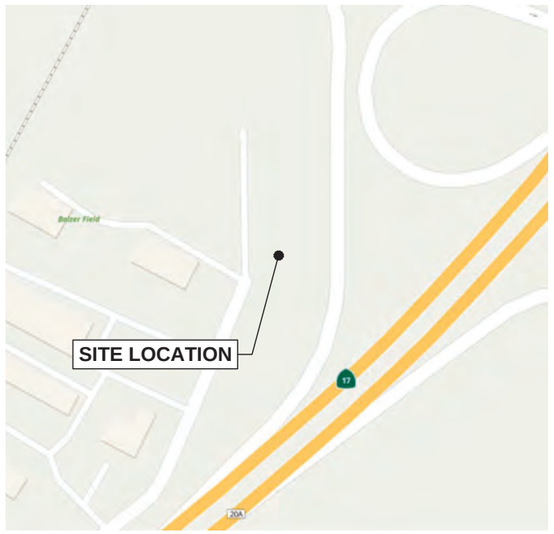
VICINITY MAP

N.T.S.



REGIONAL MAP

N.T.S.



PROJECT INFORMATION

SITE NUMBER:	CA1B19C-S
SITE NAME:	HWY 17 & BELL VISTA
SITE ADDRESS:	APPROXIMATE TO 42 MILES AVE. LOS GATOS, CA 95030
COUNTY:	SANTA CLARA
LAND OWNER	PACIFIC GAS AND ELECTRIC COMPANY 300 LAKESIDE DR OAKLAND, CA 94612
APPLICANT:	SBA TOWERS XI, LLC 8051 CONGRESS AVENUE BOCA RATON, FL 33487
CONTACT PERSON:	JAKE HAMILTON jake@virtualsitewalk.com
LATITUDE:	37° 13' 33.44" N (37.225956°) (FROM 1A)
LONGITUDE:	121° 58' 36.45" W (-121.976792°) (FROM 1A)
LAT/LONG TYPE:	DEGREES MINUTES AND SECONDS
GROUND ELEVATION:	338.5' AMSL
CURRENT ZONING:	R-M:5-12 (MULTIPLE- FAMILY RESIDENTIAL)
PARCEL #:	529-05-043

SHEET INDEX

SHEET	DESCRIPTION	REV.
T-1	TITLE SHEET	Q
LP-1	OVERALL SITE PLAN	Q
LP-2	ENLARGED LOCATION PLAN	Q
C-1	ENGINEERING SITE PLAN	Q
C-2	EXISTING ANTENNA SCHEDULE	Q
C-2.1	PROPOSED ANTENNA SCHEDULE	Q
C-3	SITE DETAILS AND SPECIFICATIONS	Q
C-4	DETAILS AND SPECIFICATIONS	Q
ANT-1	EXISTING NORTH ELEVATION	Q
ANT-2	PROPOSED NORTH ELEVATION	Q
ANT-3	EXISTING EAST ELEVATION	Q
ANT-4	PROPOSED EAST ELEVATION	Q
E-1	UTILITY ROUTING PLAN	Q
E-2	SITE GROUNDING PLAN	Q
E-3	ELECTRICAL & GROUND DETAILS	Q
E-4	SINGLE LINE DIAGRAM & PANEL SCHEDULE	Q
GN-1	GENERAL NOTES	Q
GN-2	GENERAL STRUCTURAL NOTES	Q
	FULL SCALE PRINT IS ON 22"x34" MEDIA	
	SURVEY ATTACHMENTS	
SHEET 1-3	PRELIMINARY SURVEY	

CALL FOR UNDERGROUND UTILITIES PRIOR TO DIGGING

811

48 HOURS BEFORE YOU DIG

DRIVING DIRECTIONS

FROM SACRAMENTO INTERNATIONAL AIRPORT:

DIRECTIONS: HEAD EAST TOWARD CONCORD AVE. TURN LEFT ONTO NEW DRIVE. TURN LEFT AT 1ST CROSS STREET ONTO CONCORD AVE. TURN RIGHT ONTO CONTRA COSTA BLVD. TURN RIGHT TO MERGE ONTO I-680 S. MERGE ONTO I-680 S. TAKE EXIT 12 TO MER ONTO CA-262 S/MISSION BLVD. MERGE ONTO CA-262 S/MISSION BLVD. TAKE THE EXIT ON THE LEFT ONTO I-880 S TOWARD SAN JOSE. KEEP LEFT TO STAY I-880 S. CONTINUE ONTO CA-17 S. TAKE EXIT 20B FOR STATE ROUTE 9 TOWARD LOS GATOS/SARATOGA. MERGE ONTO SARATOGA-LOS GATOS RD. TURN LEFT ONTO UNIVERSITY AVE. TURN LEFT ONTO MILES AVE.

HANDICAPPED REQUIREMENTS

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

PLUMBING REQUIREMENTS :
FACILITY HAS NO PLUMBING

UTILITY CONTACT INFORMATION

PG&E

XFINITY
PHONE: (888) 744-1816

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ACOM CONSULTING, INC

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CA1B19C-S

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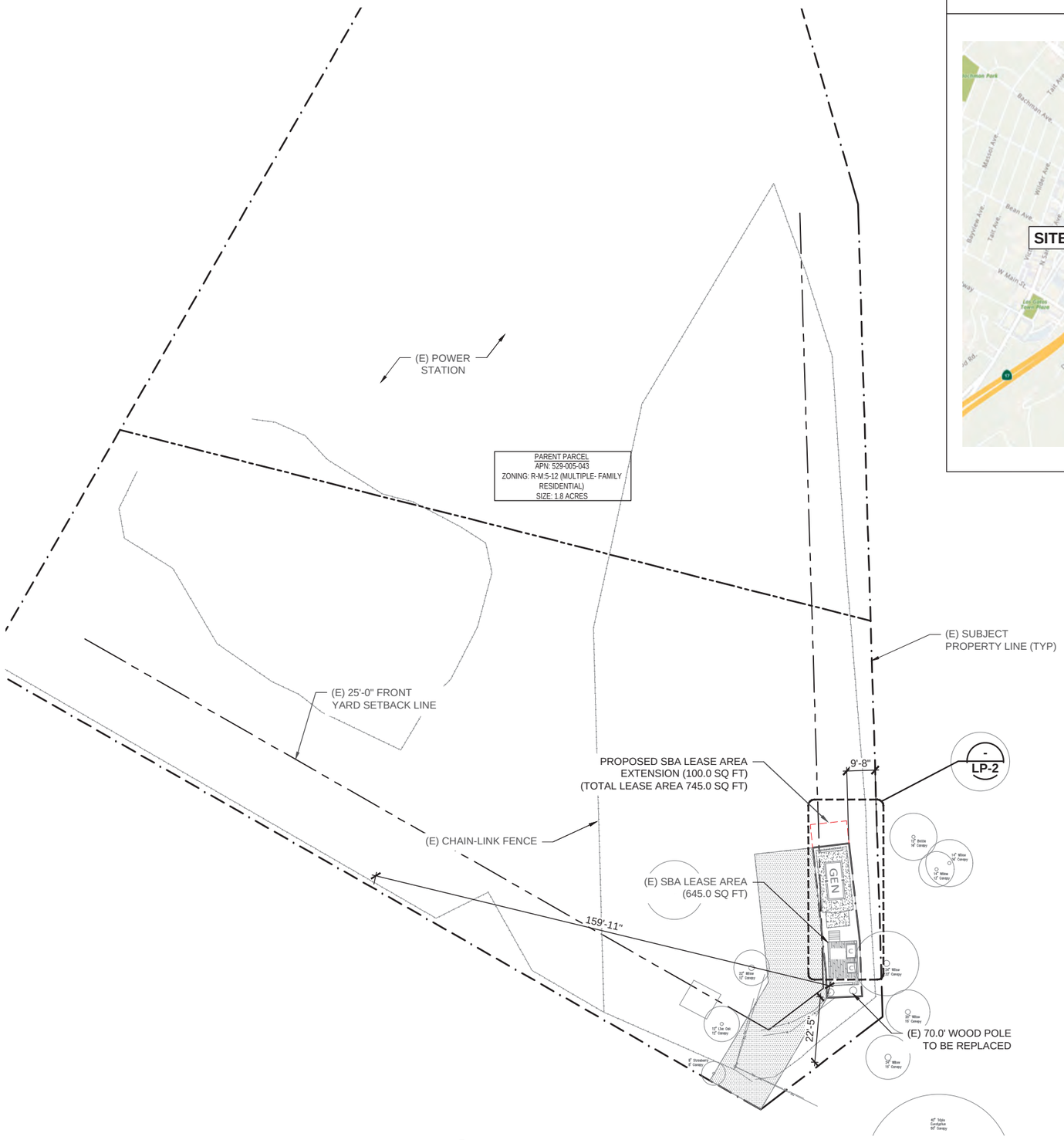
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SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

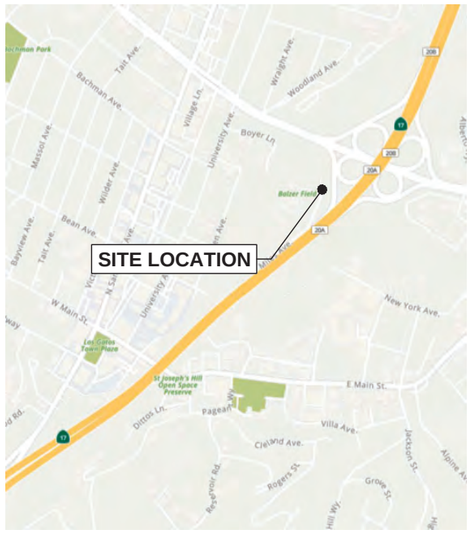
EXHIBIT 8



1 SURVEY PLAN

VICINITY MAP

N.T.S.



SCOPE OF WORK

THE PROPOSED SCOPE OF WORK IS AS FOLLOWS:

1. (1) EXISTING SBA 645.0 SQ FT LEASE AREA WITH (1) 70.0' WOOD MONOPOLE. THE WOOD MONOPOLE TO BE REPLACED WITH (1) NEW 70.0' STEEL MONOPINE (76.0' AGL OVERALL). ALL EXISTING ANTENNAS & ANCILLARY EQUIPMENT & CABLES TO BE REMOVED. THE PROPOSED EXPANDED SBA LEASE AREA (745.0 SQ FT) TO INCLUDE THE NEW STEEL MONOPINE.
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CA1B19C-S

HWY 17 & BELL VISTA RELO

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LOS GATOS, CA 95030

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SURVEY PLAN

SHEET NUMBER

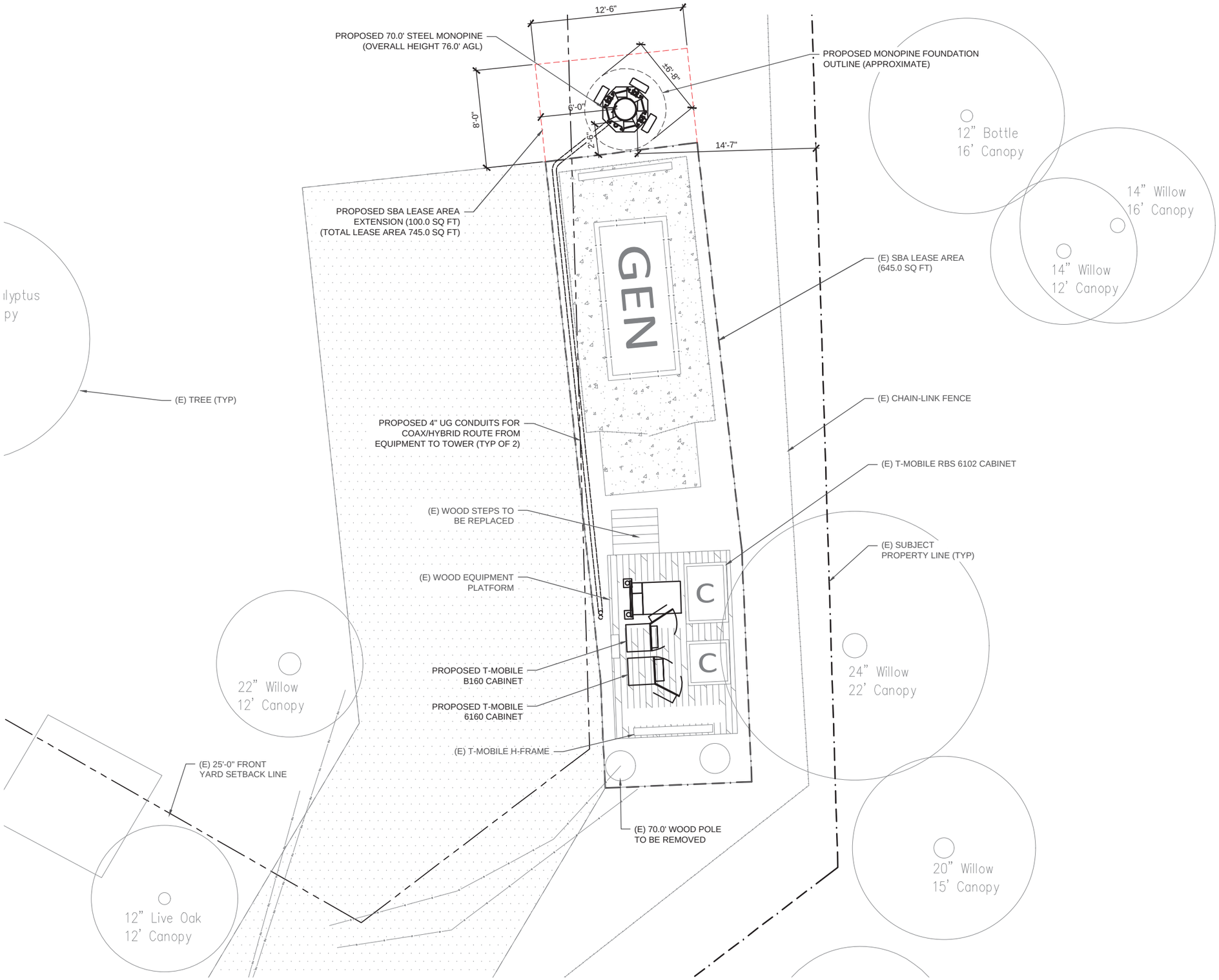
LP-1

NORTH

22"x34" SCALE: 1" = 10'-0"

10' 5' 0" 10'

22" x 34" PRINT IS THE FULL SCALE FORMAT. ANY SIZE OTHER THAN THAT IS AT REDUCED SCALE.



NORTH

22"x34" SCALE: 1/32" = 1'-0"

32' 24' 16' 8' 0" 32'

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1 ENLARGED LOCATION PLAN

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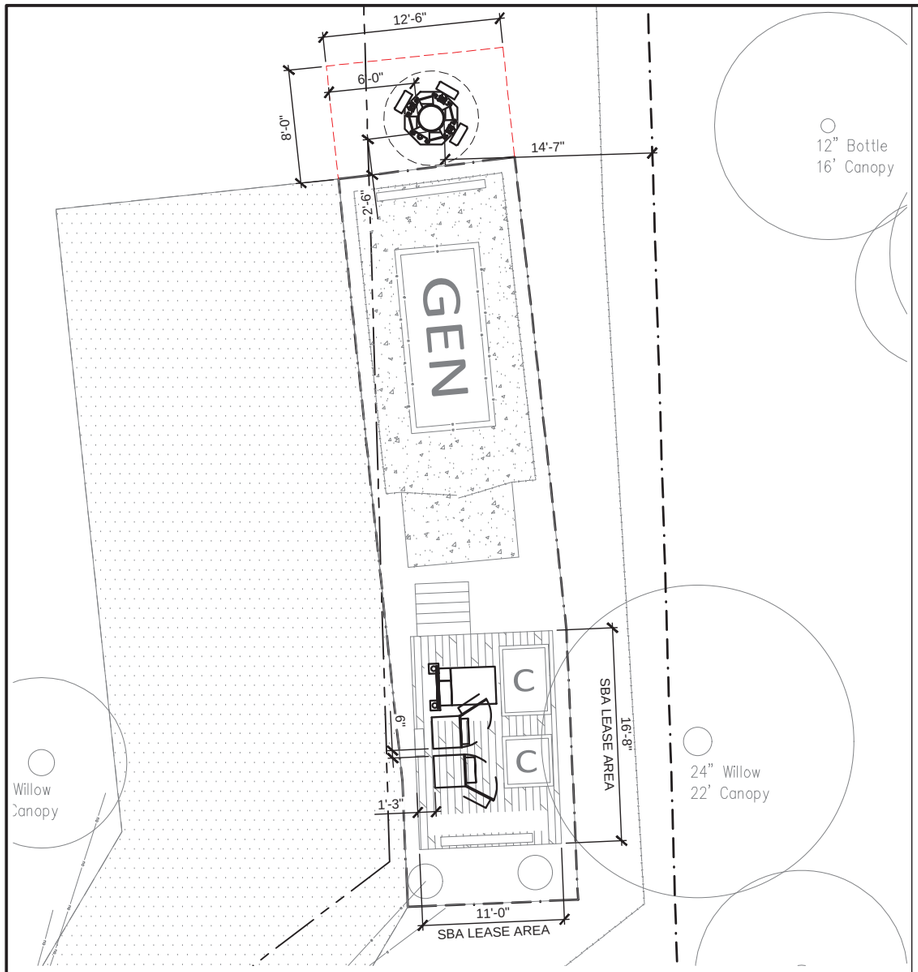
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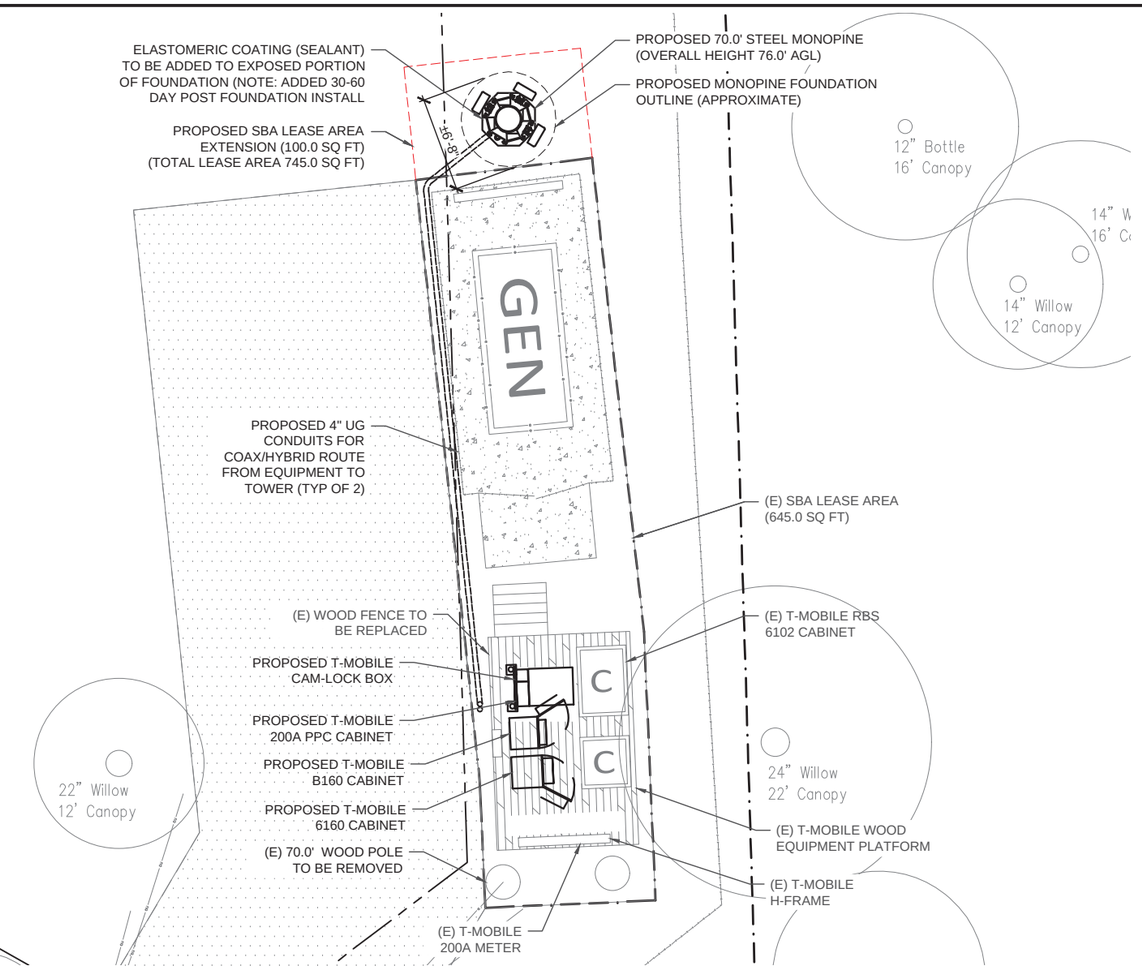
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SHEET TITLE
ENLARGED LOCATION PLAN

SHEET NUMBER
LP-2



SITE DIMENSION PLAN



NOTE:
TOWER FACE WIDTH IS TO BE VERIFIED WITH TOWER MANUFACTURER DRAWINGS PRIOR TO LAYING OUT FOUNDATION.

PAVEMENT MATERIALS AND QUANTITIES

ACCESS ROAD: (EXISTING - NO WORK NEEDED)

LEASE AREA: (EXISTING - NO WORK NEEDED)

PROPOSED EXTENSION 8.0'x12.5' (100.0 SQ FT) TO ENCOMPASS THE NEW MONOPINE TO BE GRADED AND FILLED TO MATCH EXISTING LEASE AREA (TOTAL LEASE AREA 745.0 SQ FT)

NOTE:
IN THE EVENT OF SITE ABANDONMENT, THE CITY SHALL FOLLOW THE PROCEDURES OF FMC SECTION 15-5016 – REVOCATION OF PERMITS

NOTE:
EXISTING WOOD POLE TO BE REPLACED W/ A STEEL MONOPINE.
(OVERALL HEIGHT 76.0' AGL)

NOTE:
CONTRACTOR SHALL COORDINATE WITH THE CARRIER REGARDING EXTENDING ALL CABLING TO THE RELOCATED EQUIPMENT ON NEW MONO-PINETOWER

NOTE:
THE OWNER/APPLICANT SHALL MAINTAIN THE FENCE/WALL AND ENSURE THE FENCE/WALL IS KEPT FREE OF GRAFFITI AND VANDALISM, AND ANY VISIBLE STRUCTURAL DAMAGE

NORTH

22"x34" SCALE: 1/32" = 1'-0"

32' 24' 16' 8' 0" 32'

22" x 34" PRINT IS THE FULL SCALE FORMAT. ANY SIZE OTHER THAN THAT IS AT REDUCED SCALE.

1 ENGINEERING SITE PLAN

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BOCA RATON, FL 33487
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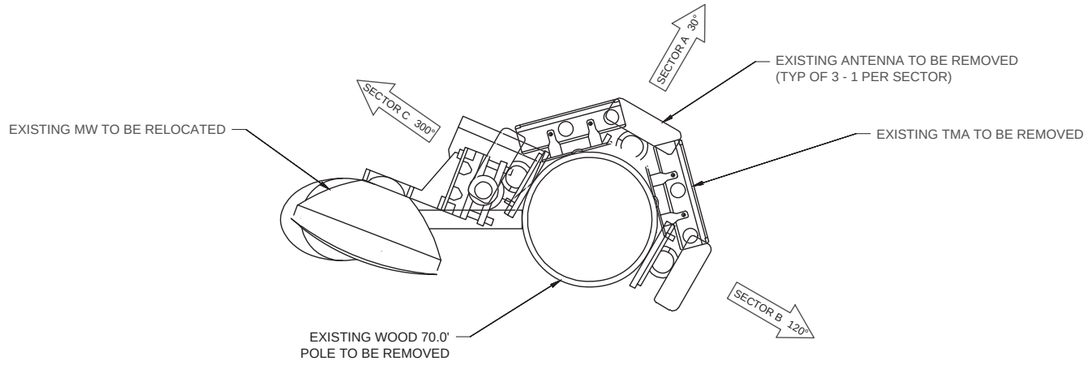
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SHEET TITLE
ENGINEERING SITE PLAN

SHEET NUMBER
C-1

EXISTING ANTENNA AND ANCILLARY EQUIPMENT SCHEDULE								
ALPHA SECTOR								
ANTENNA MODEL	AZIMUTH	RAD CENTER	TMA / RAYCAP / DIPLEXER MODEL	RRH / RRU MODEL	10' SUREFLEX JUMPER LENGTH	5M FIBER JUMPER LENGTH	CABLE TYPE	CABLE LENGTH
(1) RFS APXV18-206516S-C-A20	30°	58.0'	TMA	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
BETA SECTOR								
ANTENNA MODEL	AZIMUTH	RAD CENTER	TMA / RAYCAP / DIPLEXER MODEL	RRH / RRU MODEL	10' SUREFLEX JUMPER LENGTH	5M FIBER JUMPER LENGTH	CABLE TYPE	CABLE LENGTH
(1) RFS APXV18-206516S-C-A20	120°	58.0'	TMA	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
GAMMA SECTOR								
ANTENNA MODEL	AZIMUTH	RAD CENTER	TMA / RAYCAP / DIPLEXER MODEL	RRH / RRU MODEL	10' SUREFLEX JUMPER LENGTH	5M FIBER JUMPER LENGTH	CABLE TYPE	CABLE LENGTH
(1) RFS APXV18-206516S-C-A20	300°	58.0'	TMA	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

1 ANTENNA SCHEDULE



EXISTING 58.0' RAD CENTER

2 ANTENNA PLAN

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CA1B19C-S

HWY 17 &
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SHEET TITLE
ANTENNA SCHEDULE
& PLAN

SHEET NUMBER
C-2

NORTH

22"x34" SCALE: 1/16" = 1'-0"

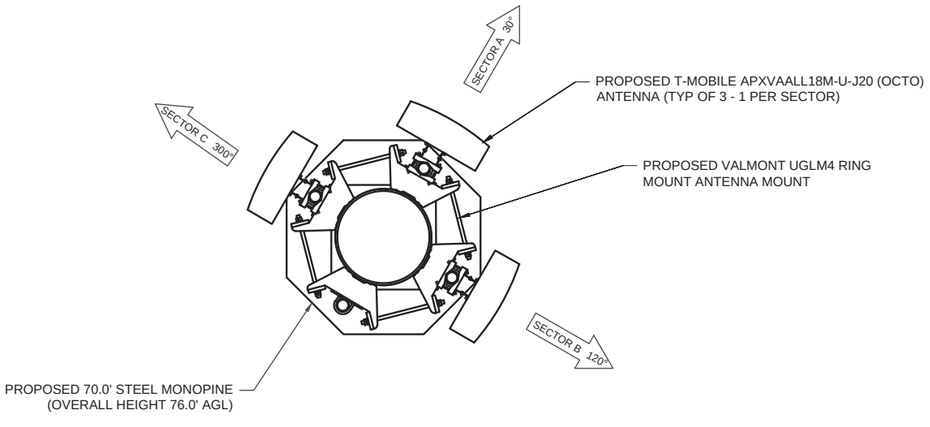
16' 12' 8' 4' 0" 16'

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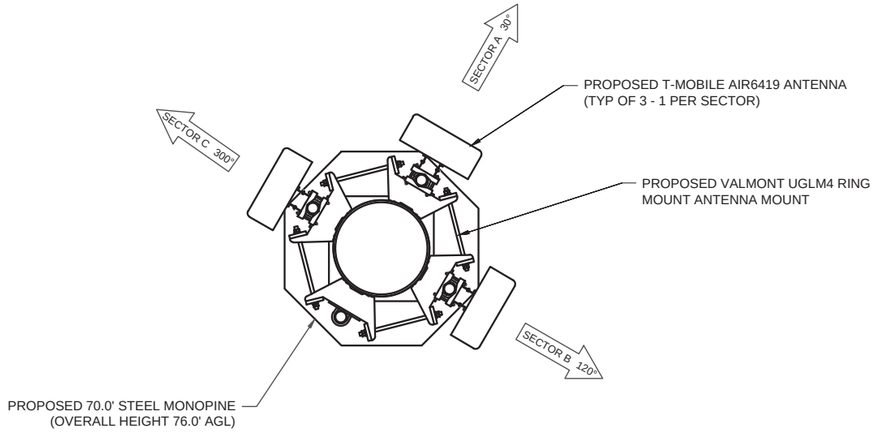
PROPOSED ANTENNA AND ANCILLARY EQUIPMENT SCHEDULE								
ALPHA SECTOR								
ANTENNA MODEL	AZIMUTH	RAD CENTER	TMA / RAYCAP / DIPLEXER MODEL	RRH / RRU MODEL	10' SUREFLEX JUMPER LENGTH	5M FIBER JUMPER LENGTH	CABLE TYPE	CABLE LENGTH
(1) AMPHENOL APXVAALL18M-U-J20 (OCTO)	30°	52.0'	-	ERICSSON 4480 & 4460	8	6	(1) 6/24 4AWG HYBRID TRUNK	99'
-	-	-	-	-	-	-	-	-
(1) ERICSSON AIR6419 (B41)	30°	58.0'	-	-	-	4	-	-
BETA SECTOR								
ANTENNA MODEL	AZIMUTH	RAD CENTER	TMA / RAYCAP / DIPLEXER MODEL	RRH / RRU MODEL	10' SUREFLEX JUMPER LENGTH	5M FIBER JUMPER LENGTH	CABLE TYPE	CABLE LENGTH
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ANTENNA MODEL	AZIMUTH	RAD CENTER	TMA / RAYCAP / DIPLEXER MODEL	RRH / RRU MODEL	10' SUREFLEX JUMPER LENGTH	5M FIBER JUMPER LENGTH	CABLE TYPE	CABLE LENGTH
(1) AMPHENOL APXVAALL18M-U-J20 (OCTO)	300°	52.0'	-	ERICSSON 4480 & 4460	8	6	(1) 6/24 4AWG HYBRID TRUNK	99'
-	-	-	-	-	-		-	-
(1) ERICSSON AIR6419 (B41)	300°	58.0'	-	-	-	4	-	-

1 ANTENNA SCHEDULE

NOTE:
PASSING MOUNT ANALYSIS REQUIRED



PROPOSED 52.0' RAD CENTER



PROPOSED 58.0' RAD CENTER



22"x34" SCALE: 1/16" = 1'-0"

16' 12' 8' 4' 0" 16'

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2 ANTENNA PLAN

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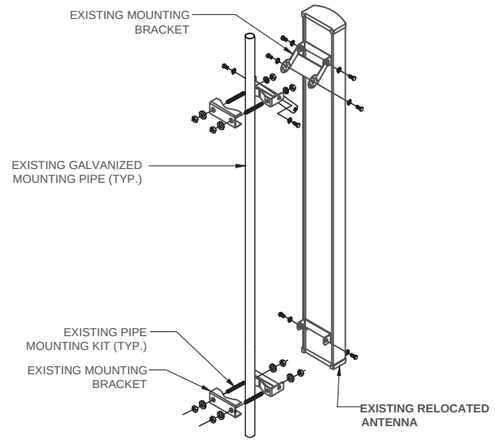
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ANTENNA SCHEDULE & PLAN

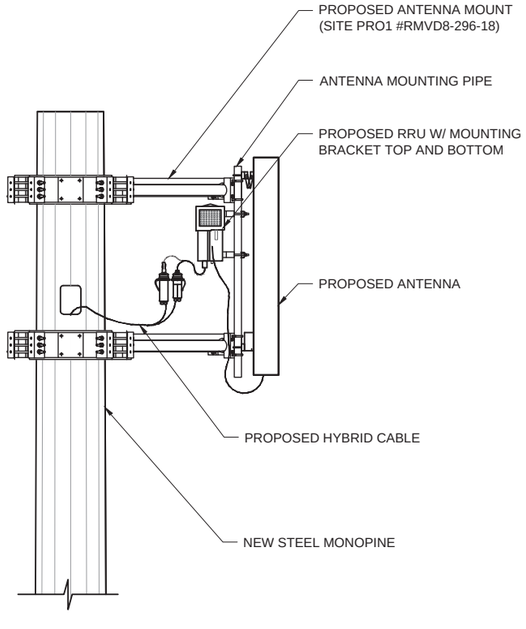
SHEET NUMBER
C-2.1

1 NOT USED
N.T.S.

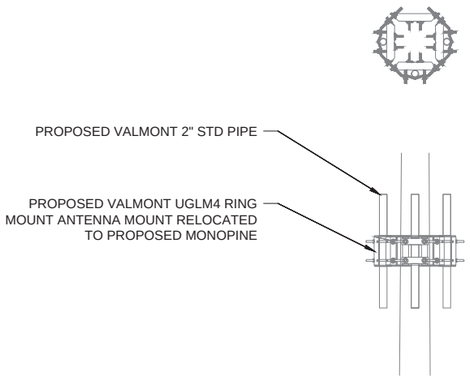


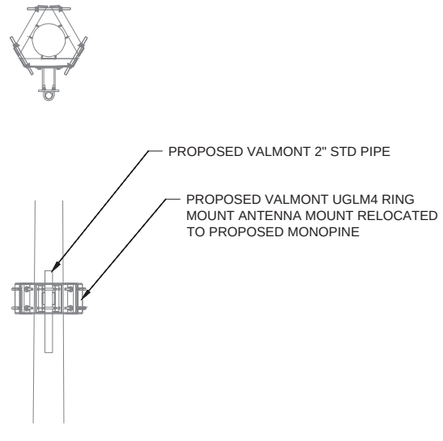
2 ANTENNA MOUNTING KIT DETAIL
N.T.S.

3 NOT USED
N.T.S.



4 ANTENNA MOUNTING KIT DETAIL
N.T.S.





5 PROPOSED T-MOBILE MOUNT
N.T.S.

SBA TOWERS XI, LLC
A DELAWARE LIMITED LIABILITY COMPANY
8051 CONGRESS AVE.
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

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CA1B19C-S

HWY 17 &
BELL VISTA
RELO

APPROXIMATE TO
42 MILES AVE.
LOS GATOS, CA 95030

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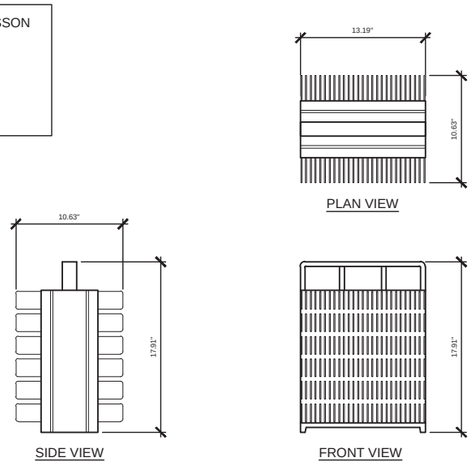
SHEET TITLE
SITE DETAILS
& SPECIFICATIONS

SHEET NUMBER
C-3

NOTE:

COMPLY WITH MANUFACTURER'S INSTRUCTIONS TO ENSURE THAT ALL RRH'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRH PACKAGES IN THE RAIN.

MANUFACTURER: ERICSSON
MODEL: RADIO 4480
HEIGHT: 17.91"
WIDTH: 13.19"
DEPTH: 10.63"
WEIGHT: 73.19 LBS
COLOR: OFF-WHITE

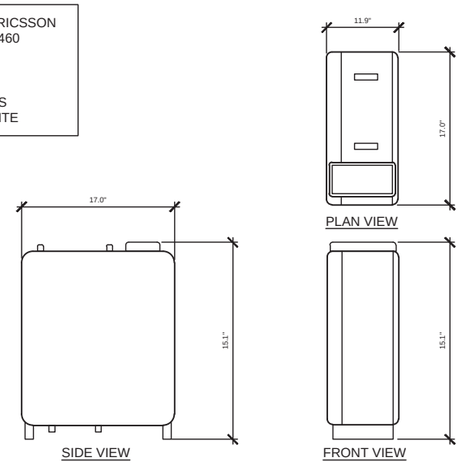


1 4480 RADIO DETAIL
N.T.S.

NOTE:

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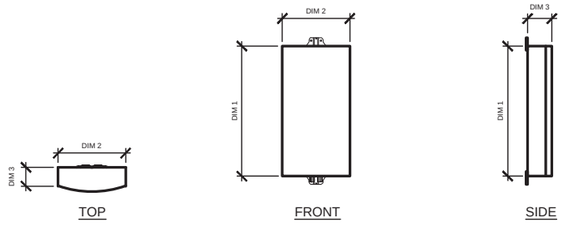
MANUFACTURER: ERICSSON
MODEL: RADIO 4460
HEIGHT: 15.1"
WIDTH: 17.0"
DEPTH: 11.9"
WEIGHT: 104.0 LBS
COLOR: OFF-WHITE



2 4460 RADIO DETAIL
N.T.S.

3 NOT USED
N.T.S.

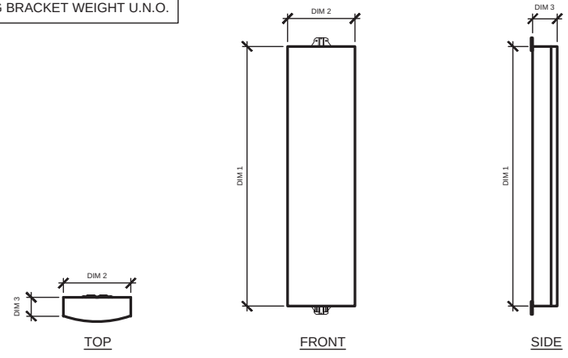
NOTES:
1. INSTALL ANTENNAS PER MANUFACTURER SPECIFICATIONS.
2. CONTRACTOR TO TORQUE ALL MOUNTING HARDWARE PER MANUFACTURER SPECIFICATIONS.
3. *ANTENNA WEIGHTS INCLUDE MOUNTING BRACKET WEIGHT U.N.O.



	QTY	DIM 1	DIM 2	DIM 3	*WEIGHT
ALPHA SECTOR					
ERICSSON AIR6449 (B41) ANTENNA	(1)	33.1"	20.6"	8.6"	104 LBS
BETA SECTOR					
ERICSSON AIR6449 (B41) ANTENNA	(1)	33.1"	20.6"	8.6"	104 LBS
GAMMA SECTOR					
ERICSSON AIR6449 (B41) ANTENNA	(1)	33.1"	20.6"	8.6"	104 LBS

4 ERICSSON AIR6419 (B41) MIMO ANTENNA
N.T.S.

NOTES:
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2. CONTRACTOR TO TORQUE ALL MOUNTING HARDWARE PER MANUFACTURER SPECIFICATIONS.
3. *ANTENNA WEIGHTS INCLUDE MOUNTING BRACKET WEIGHT U.N.O.



	QTY	DIM 1	DIM 2	DIM 3	*WEIGHT
ALPHA SECTOR					
AMPHENOL APXVAALL18M-U-J20 (OCTO) ANTENNA	(1)	71.8"	19.7"	8.5"	57.5 LBS
BETA SECTOR					
AMPHENOL APXVAALL18M-U-J20 (OCTO) ANTENNA	(1)	71.8"	19.7"	8.5"	57.5 LBS
GAMMA SECTOR					
AMPHENOL APXVAALL18M-U-J20 (OCTO) ANTENNA	(1)	71.8"	19.7"	8.5"	57.5 LBS

5 AMPHENOL FFVV65C-R3-V1 OCTOPORT ANTENNA
N.T.S.

6 NOT USED
N.T.S.

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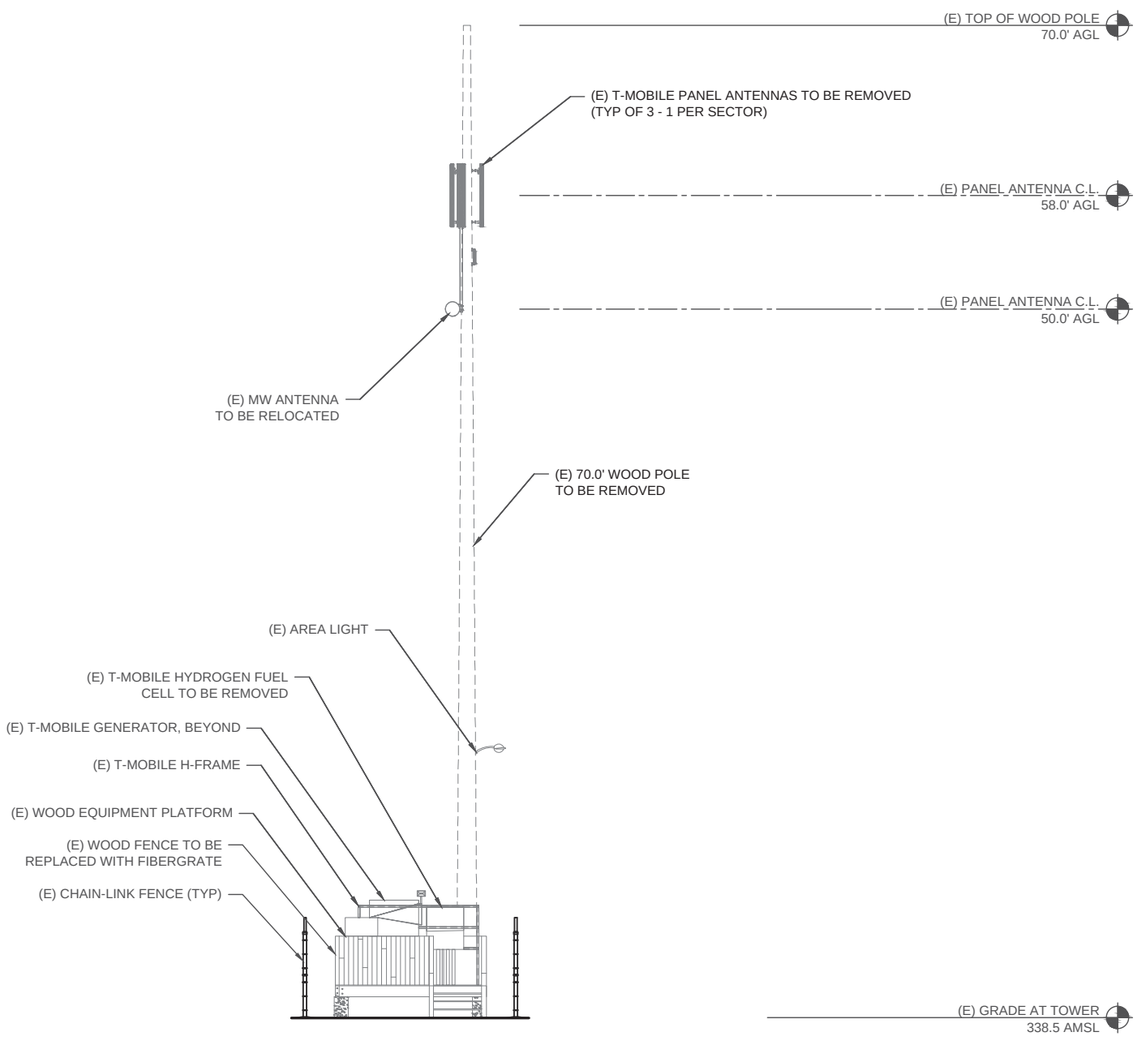
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SHEET TITLE
SITE DETAILS
& SPECIFICATIONS

SHEET NUMBER
C-4



1 EXISTING NORTH ELEVATION
SCALE: 3/16" = 1'-0"

22"x34" SCALE: 3/16" = 1'-0"

4' 2' 0" 4'

22" x 34" PRINT IS THE FULL SCALE FORMAT. ANY SIZE OTHER THAN THAT IS AT REDUCED SCALE.

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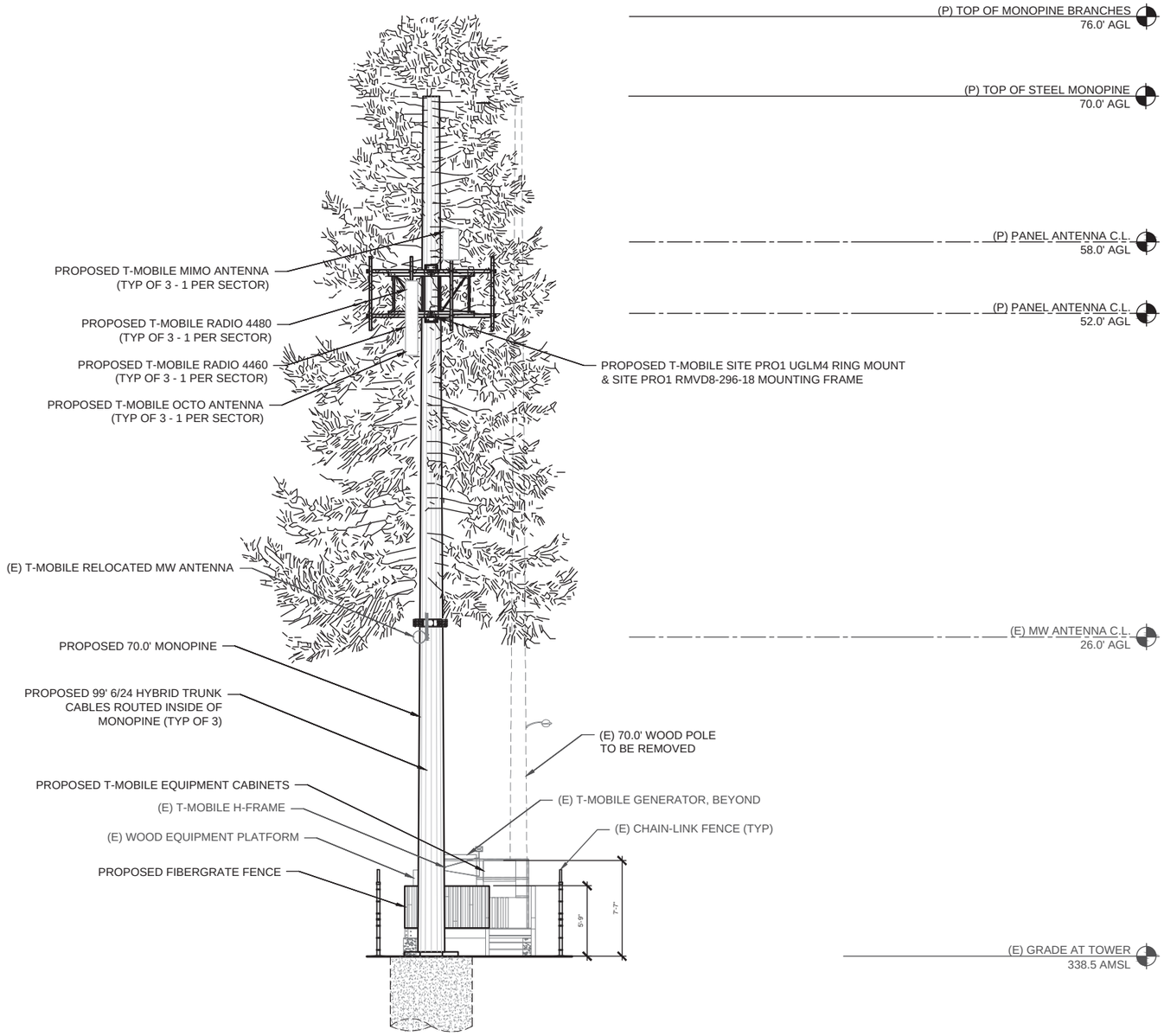
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SHEET TITLE
EXISTING
NORTH ELEVATION

SHEET NUMBER
ANT-1

NOTE:

1. NO WORK SHALL COMMENCE WITHOUT AN APPROVED STRUCTURAL ANALYSIS. FOR ALL STRUCTURAL ELEMENTS, INCLUDING THE MONO-PINE, FOUNDATION, MOUNT ASSEMBLIES, AND GROUND EQUIPMENT (EQUIPMENT PADS, CABINET ANCHORAGE, ICE BRIDGE, ETC.). THE CONTRACTOR SHALL REVIEW THE APPROVED STRUCTURAL ANALYSIS AND NOTIFY THE E.O.R. IF ANY MODIFICATIONS ARE REQUIRED OF STRUCTURAL MEMBERS OR APPURTENANCES PRIOR TO INSTALLATION OF ANTENNAS, ANCILLARY EQUIPMENT OR CABLING.
2. ALL FUTURE RADIOS, RAYCAPS, MICROWAVE ANTENNAS, EXPOSED CABLES, MOUNTING EQUIPMENT, AND OTHER ANCILLARY EQUIPMENT SHALL BE PAINTED TO MATCH THE MONOPINE.
3. ANTENNA MOUNT/PLATFORM ANALYSIS FOR THE PROPOSED LOADING CONFIGURATION TO BE COMPLETED BY OTHERS.
4. TOWER AND FOUNDATION STRUCTURAL ANALYSIS/DESIGN FOR THE PROPOSED LOADING CONFIGURATION TO BE COMPLETED BY OTHERS. FOR ALL STRUCTURAL ELEMENTS, INCLUDING THE MONOPINE, FOUNDATION, MOUNT ASSEMBLIES, AND GROUND EQUIPMENT (EQUIPMENT PADS, CABINET ANCHORAGE, ICE BRIDGE, ETC.).
5. CONTRACTOR TO VERIFY THE SUITABILITY OF ANTENNA MOUNT FOR PROPOSED LOADING CONFIGURATION.
6. THE OWNER/APPLICANT SHALL MAINTAIN THE FENCE / WALL AND ENSURE THE FENCE /WALL IS KEPT FREE OF GRAFFITI AND VANDALISM, AND ANY VISIBLE STRUCTURAL DAMAGE.



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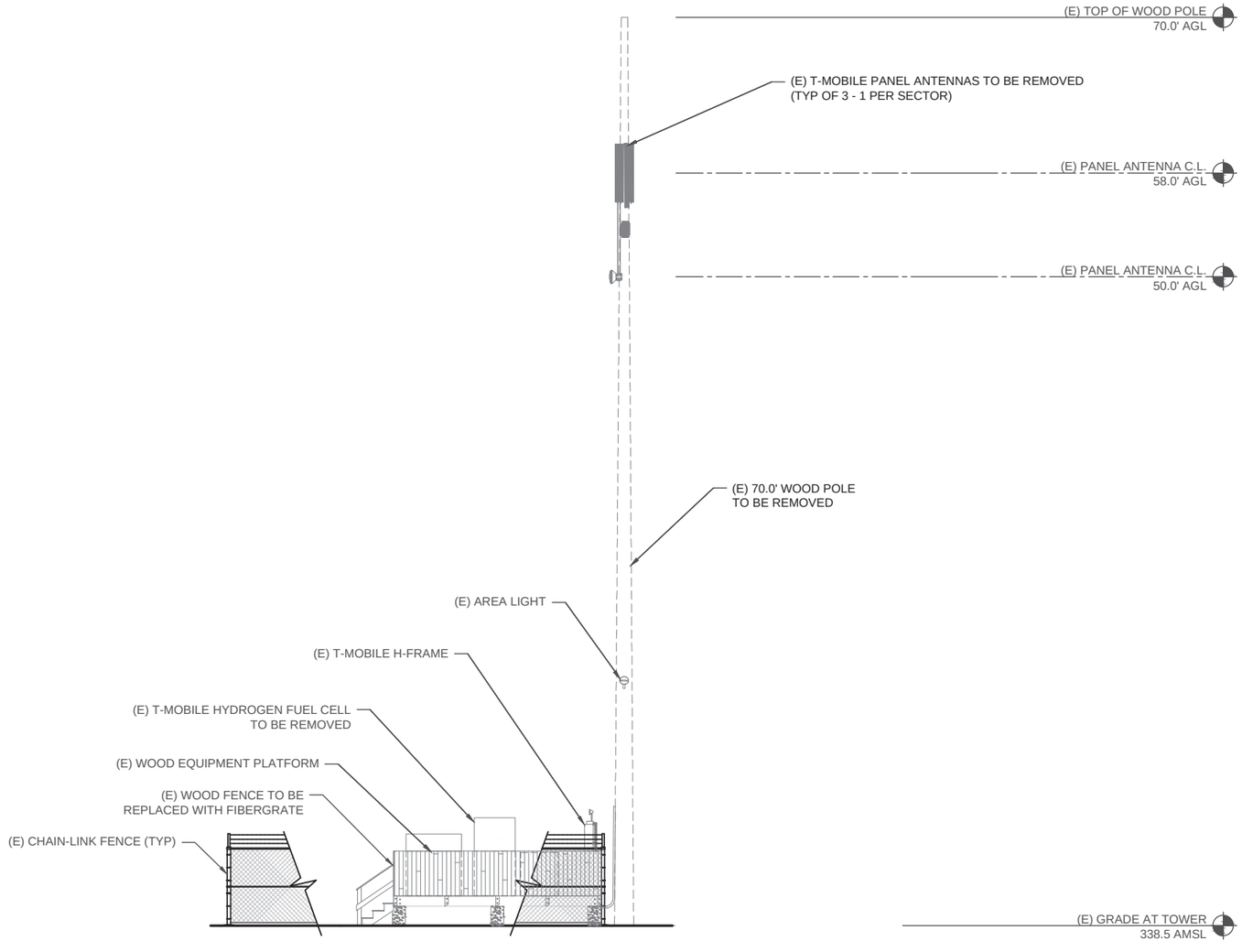
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SHEET TITLE
PROPOSED
NORTH ELEVATION

SHEET NUMBER
ANT-2



1 EXISTING EAST ELEVATION
SCALE: 3/16" = 1'-0"

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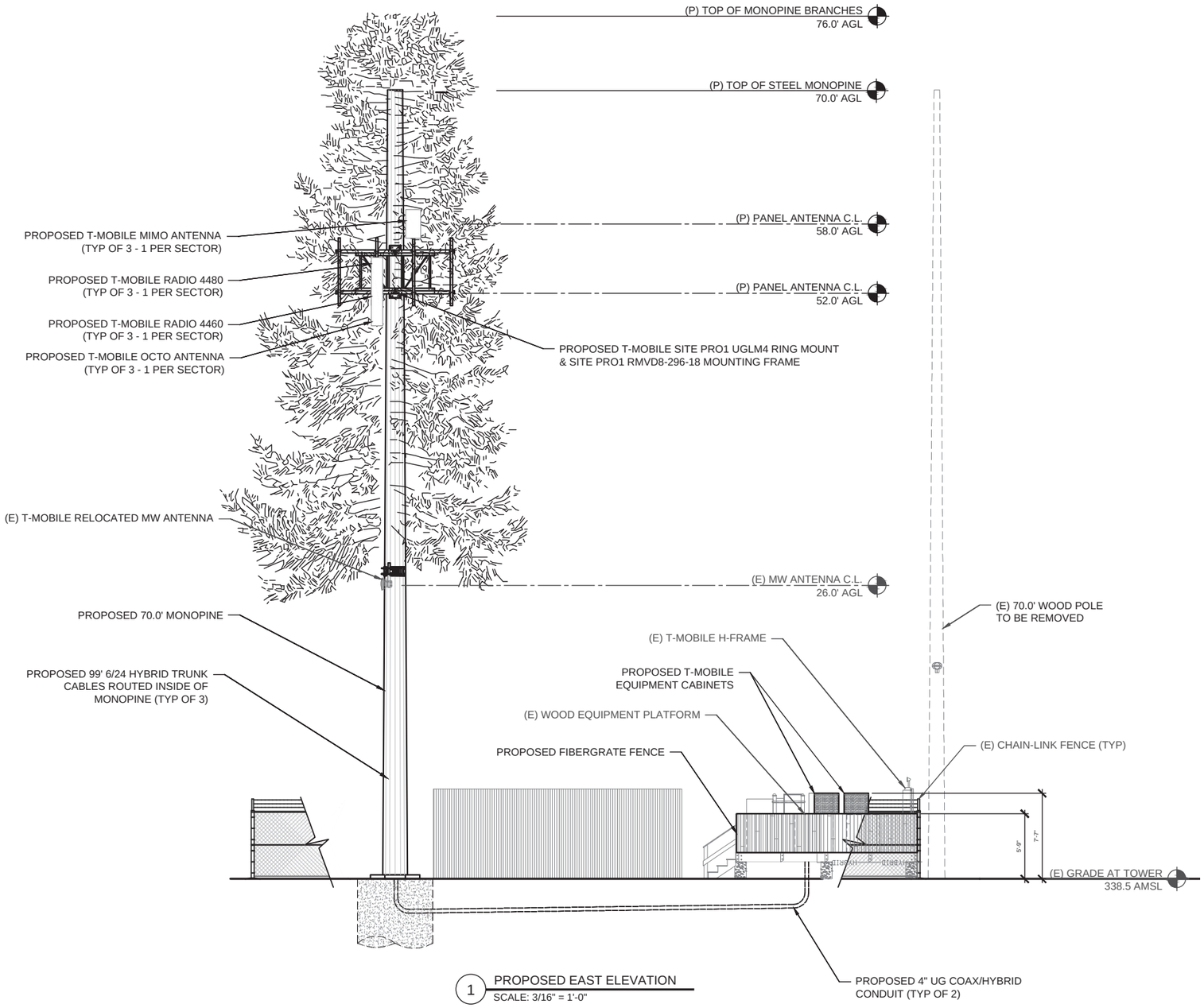
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SHEET TITLE
EXISTING
EAST ELEVATION

SHEET NUMBER
ANT-3

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EAST ELEVATION

SHEET NUMBER
ANT-4

GENERAL ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO NATIONAL ELECTRIC CODE, LATEST ADOPTED EDITION, AND LOCAL CODES. THE CONTRACTORS SHALL FURNISHED AND PAY FOR ALL PERMITS AND RELATED FEES.
2. ALL ELECTRICAL MATERIALS, EQUIPMENT AND INSTALLATION PROCEDURES TO CONFORM WITH SBA SPECIFICATIONS.
3. CONTRACTOR SHALL PERFORM ALL VERIFICATION TESTS AND EXAMINATION WORK PRIOR TO THE ORDERING OF THE ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE ENGINEER LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT & DISCREPANCIES.
4. ELECTRICAL PLANS, DETAILS, AND DIAGRAMS ARE DIAGRAMMATIC ONLY. FIELD CONDITIONS DICTATE THE AMOUNT AND LOCATION OF EQUIPMENT.
5. ALL MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA, NFPA, AND "UL" LISTED.
6. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY THE NEC, AND ALL APPLICABLE LOCAL CODES.
7. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE A MINIMUM INTERRUPTING RATING GREATER THAN THE UTILITY FAULT CURRENT.
8. FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT REFER TO VENDOR PRINTS AND INSTRUCTIONS.
9. PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
10. PROVIDE SBA WITH ONE SET OF COMPLETE ELECTRICAL "AS-BUILT" DRAWINGS AT THE COMPLETION OF THE JOB SHOWING ACTUAL ROUTINGS AND WIRING CONNECTIONS.
11. LABEL ALL ELECTRICAL EQUIPMENT PER SBA SPECIFICATIONS.
12. ALL SINGLE-PHASE SELF-CONTAINED METER CONNECTION DEVICES MUST INCLUDE HORN TYPE BY-PASS PROVISION SO THAT SERVICE WILL NOT BE INTERRUPTED WHEN A METER IS REMOVED FROM THE SOCKET.
13. ALL EQUIPMENT PUNCH OUTS AND CONDUITS (USED AND SPARE) TO BE "RODENT PROOFED" WITH CAPS, STEEL MESH, AND/OR FOAM FILL BY CONTRACTOR (AS NEEDED).
14. ALL INTERIOR CONDUITS AND BUSHINGS SHALL BE EMT. ALL EXTERIOR SHALL BE PVC UNLESS NOTED OTHERWISE. SEE SBA SPECIFICATIONS.
15. NO SPOILS TO BE LEFT ON SITE WITHOUT THE WRITTEN CONSENT OF THE LANDOWNER
16. CONTRACTOR TO PROVIDE 2 PHENOLIC LABELS AT METER. ONE TO IDENTIFY "SBA DISCONNECT" AND THE OTHER TO GIVE SITE ADDRESS.
17. ALL EQUIPMENT AND MATERIAL FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE UNDERWRITERS LABORATORIES (U.L.) LISTED, NEW, FREE FROM DEFECTS, AND SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER OR HIS REPRESENTATIVE. SHOULD ANY TROUBLE DEVELOP DURING THIS PERIOD DUE TO FAULTY WORKMANSHIP, MATERIAL OR EQUIPMENT, THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS AND LABOR TO CORRECT THE TROUBLE WITHOUT COST TO THE OWNER.
18. ELECTRICAL WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO COMPLETE ELECTRICAL POWER AND LIGHTING SYSTEMS, TELEPHONE AND COMMUNICATION SYSTEMS, PANEL BOARDS, CONDUIT, CONTROL WIRING, GROUNDING, ETC. AS INDICATED ON ELECTRICAL DRAWINGS AND/OR AS REQUIRED BY GOVERNING CODES.
19. PRIOR TO INSTALLING ANY ELECTRICAL WORK, THE CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY EXISTING SITE LOCATIONS AND CONDITIONS AND UTILITY SERVICE REQUIREMENTS OF THE JOB, AND BY REFERENCE TO ARCHITECTURE AND EQUIPMENT SUPPLIERS DRAWINGS. SHOULD THERE BE ANY QUESTION OR PROBLEM CONCERNING THE NECESSARY PROVISIONS TO BE MADE, PROPER DIRECTIONS SHALL BE OBTAINED BEFORE PROCEEDING WITH ANY WORK.
20. PROVIDE POWER AND TELEPHONE TO SERVICE POINTS PER UTILITY COMPANY REQUIREMENTS. CONTRACTOR SHALL CONTACT UTILITY SERVICE PLANNERS AND OBTAIN ALL SERVICE REQUIREMENTS AND INCLUDE COSTS FOR SUCH IN HIS BID.
21. SERVICE EQUIPMENT SHALL HAVE A SHORT CIRCUIT WITHSTAND RATING EQUAL TO OR EXCEEDING THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SUPPLY TERMINAL. THE INSTALLATION SHALL BE FREE FROM ANY SHORT CIRCUITS AND GROUNDS.
22. ALL WIRING SHALL BE COPPER WITH THHN/THWN DUAL RATED 600 VOLTS INSULATION.
23. IN THE EVENT OF ANY CONFLICT OR INCONSISTENCY BETWEEN ITEMS SHOWN ON THE PLANS AND/OR SPECIFICATIONS, THE NOTE, SPECIFICATION OR CODE WHICH PRESCRIBES AND ESTABLISHES THE HIGHEST STANDARD OF PERFORMANCE SHALL PREVAIL.
24. SERVICE CONDUITS SHALL HAVE NO MORE THAN (2) -90° BENDS IN ANY SINGLE RUN. THE CONTRACTOR SHALL PROVIDE PULL BOXES AS NEEDED WHERE CONDUIT REQUIREMENTS EXCEED THESE CONDITIONS.
25. ALL ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO WITHSTAND 100 M.P.H. WIND SPEED AND DESIGNED FOR EXPOSURE C.
26. ALL COAX, POWER AND TELEPHONE SYSTEM CONDUITS SHALL HAVE A MINIMUM 24" RADIUS SWEEPS TO EQUIPMENT, PULLBOXES, MONOPOLE, ETC., UNLESS OTHERWISE NOTED, OR AS REQUIRED BY UTILITY COMPANIES.
27. FUSE TYPE SHALL BE BUSSMAN RKI LOW PEAK FUSE (LPU-RK-100).
28. CONTRACTOR TO PROVIDE GUTTER TAP(S) AS REQUIRED.
29. CONTRACTOR TO COLOR PHASE CONDUCTORS BLACK (B PHASE), RED (A PHASE), WHITE (NEUTRAL), AND GREEN (GROUND).

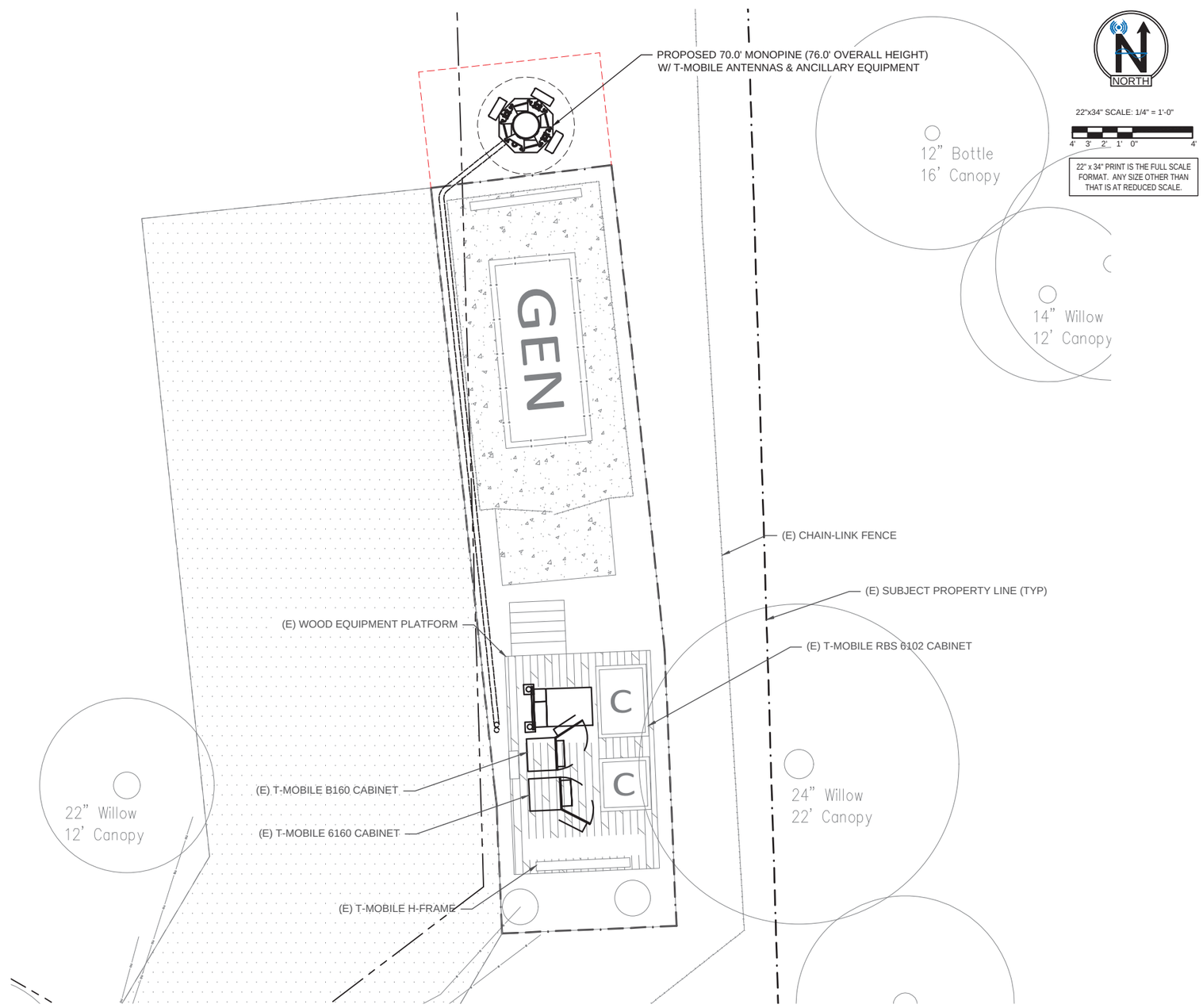
CODES AND STANDARDS

ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
NEC	NATIONAL ELECTRICAL CODE, LATEST ADOPTED EDITION
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
UL	UNDERWRITERS LABORATORIES, INC.

UTILITY PROVIDE INFORMATION

POWER COMPANY: N/A
CONTACT: N/A
PHONE: N/A

FIBER COMPANY: N/A
CONTACT: N/A
PHONE: N/A



NOTE:
ALL UTILITIES ARE EXISTING AND SHALL NOT BE MODIFIED

UTILITY NOTES:

1. POWER IS EXISTING AND WILL NOT BE MODIFIED

FIBER NOTES

1. FIBER IS EXISTING AND WILL NOT BE MODIFIED

NOTE:
LINES SHOWN DO NOT REPRESENT THE EXACT LOCATION OF THE CONDUIT RUNS CONTRACTOR TO VERIFY SERVICE LOCATIONS w/ACTUAL FIELD CONDITIONS.

1 UTILITY ROUTING PLAN

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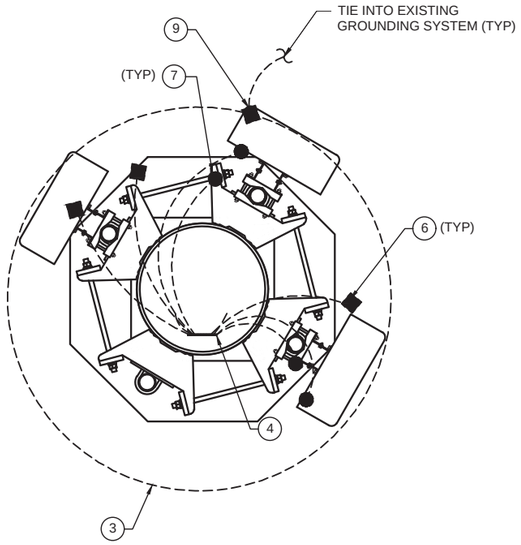
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SHEET TITLE
UTILITY ROUTING PLAN

SHEET NUMBER
E-1



1 SITE GROUNDING PLAN
SCALE: N.T.S.

NOTE:
THE GROUNDING SYSTEM IS EXISTING. CONTRACTOR SHALL TIE THE NEW TOWER GROUND RING INTO THE EXISTING SYSTEM PER SBA GROUNDING STANDARDS

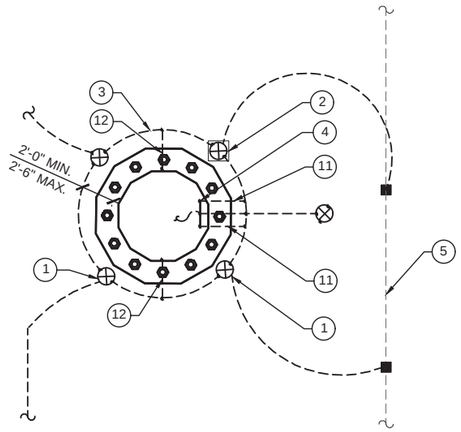
NORTH

BALLOON REFERENCE NOTES:

1. 5/8"Øx8' COPPER CLAD GROUND ROD BURIED 42" BELOW GRADE (MIN.)
2. GROUND ROD ACCESS WELL (MIN. OF 2 EACH PER COMPOUND)
3. #2 SOLID, TINNED, BARE COPPER WIRE TOWER GROUND RING (CONTINUOUS STRAND). TOWER GROUND RING SHOULD BE INSTALLED A MINIMUM TWO FEET OFF OF ANY STRUCTURE
4. 1/4"X4"X20" TINNED COPPER GROUND BAR. 2 TYP, AT BASE AND TOP OF TOWER. MOUNT DIRECT TO TOWER, DO NOT ISOLATE.
5. EXISTING COMPOUND GROUND RING
6. PROVIDE #2 SBTC BOND FROM ANTENNA GROUND BAR TO ANTENNA
7. PROVIDE #2 SBTC BOND FROM ANTENNA GROUND BAR TO RRU
8. PROVIDE #2 SBTC BOND FROM ANTENNA GROUND BAR TO OVP'S
9. PROVIDE (1) #2 SBTC GROUND LEAD FROM PROPOSED MONO-BROADLEAF TOWER RING TO STEEL ICE BRIDGE POST PER GROUNDING STANDARDS. BOND ALL ADJACENT POSTS.
10. PROVIDE #2 SBTC BOND FROM ANTENNA GROUND BAR TO DIPLEXERS
11. #2 SOLID, TINNED, BARE COPPER GROUND LEAD FROM GROUND BAR AT MONO-EUCOLYPTUS TOWER BASE TO GROUND RING. ROUTE IN 3/4" FLEX CONDUIT AND WEATHERPROOF OPEN END. (2 TYPICAL)
12. #2 SOLID, TINNED, BARE COPPER GROUND LEAD FROM MONO-BROADLEAF TOWER BASE TO GROUND RING. (2 TYPICAL, 180° SEPARATION)
13. PROVIDE #2 SBTC BOND FROM ANTENNA GROUND BAR TO TMA'S

SYMBOLS LEGEND

GROUND ROD WITH ACCESS	MECHANICAL CONNECTION
GROUND ROD	GROUND BAR
EXOTHERMIC CONNECTION	GROUND WIRE



2 TOWER GROUNDING PLAN
SCALE: N.T.S.

Intersect Cam-Lok Generator Connector

UL 1008 Listed to 200 A



New, light weight, corrosion-resistant aluminum enclosure with three mounting options reduces inventory and improves installation and cost efficiencies

The Intersect Cam-Lok Generator Connector (ICGC) Series enclosures replace commonly used generator connectors. Three mounting options are provided with knockouts on the left, right, and back side of the enclosure. The panels are listed to the UL 1008 Transfer Switch Power Inlet Standard. Their 10 kA short circuit rating is appropriate for new and retrofit applications without requiring any labeling changes or derating of 10 kA-rated emergency power systems. Each enclosure features Cam-Lok style connectors in an outdoor Type 3R enclosure. The ICGC enclosures may be ordered with a unique Deutsch receptacle for wiring alarm and auto-start/stop features of an engine generator set (from the automatic transfer switch connections).

Connect or disconnect Cam Lok-style connectors without tools—just a 180° turn assures a high-pressure contact with minimum resistance. Proven to provide optimal electrical and mechanical connections in numerous power applications, even severe operating conditions do not impact contacts which will withstand a pulling force of 1,000 lbs. Cam Lok-style connectors are single-pole plugs and receptacles, insulated for watertight integrity and safety. Male and female connectors provide insulated, recessed contacts. The insulators are molded from colorfast materials, with five different colors providing fast, easy phase identification. Male and female connectors are designed for safety. With no moving contact surfaces, there is no arcing or burning. Electrically insulated jackets extend past the ends of the connectors, ensuring safety of personnel. The design is impervious to vibration, preventing inadvertent disconnects.

The NEMA Type 3R outdoor powder-coated aluminum enclosure is lightweight (less than 15 pounds) and corrosion resistant. The ICGC may be wall-mounted, H-Frame mounted, or installed as a new or retrofit engine generator connector to shelters or cabinets. One design with three knockouts allows buyers to mount the enclosure on the left or right, or from the back. A gasket ships with each ICGC to insure a watertight seal. The enclosure ships with the door mounted to open to the left, yet the door hinges are easily moved by the installer (from the left side of the panel to the right) so that the door may open to the right. You inventory only one enclosure, yet have three options for installation.

For a quotation, contact Intersect at **solutions@intersectinc.com.**

Intersect, Inc.™
Quality products. Premium customer care. Integrated solutions.

3 CAM-LOK DETAIL
SCALE: N.T.S.

SBA TOWERS XI, LLC
A DELAWARE LIMITED LIABILITY COMPANY
8051 CONGRESS AVE.
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

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CA1B19C-S

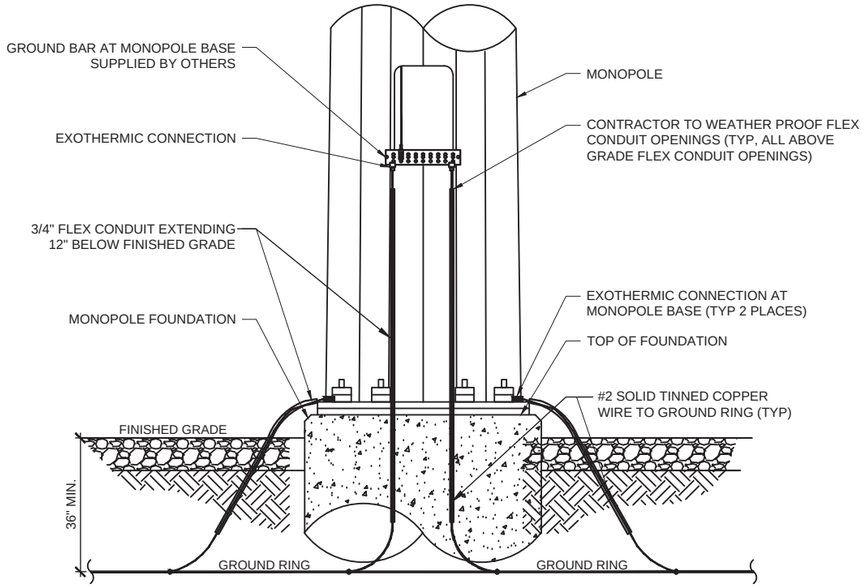
HWY 17 & BELL VISTA RELO

APPROXIMATE TO
42 MILES AVE.
LOS GATOS, CA 95030

DRAWN BY:	KM
CHECKED BY:	RM
DATE:	07/15/24
PROJECT #:	-

SHEET TITLE
SITE GROUNDING PLAN

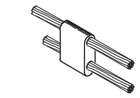
SHEET NUMBER
E-2



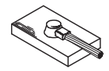
1 GROUNDING @ TOWER BASE
N.T.S.

CADWELD CONNECTIONS

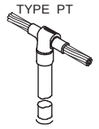
(OR APPROVED EQUAL)



PARALLEL HORIZONTAL CONDUCTORS
PARALLEL THROUGH CONNECTION OF HORIZONTAL CABLES TYPE PT



HORIZONTAL STEEL SURFACE
TO FLAT STEEL SURFACE OR HORIZONTAL PIPE TYPE HS



THROUGH CABLE TO GROUND ROD
THROUGH CABLE TO TOP OF GROUND ROD TYPE GT



VERTICAL STEEL SURFACE
CABLE DOWN AT 45° TO VERTICAL STEEL SURFACE INCLUDING PIPE TYPE VS



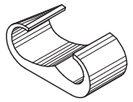
HORIZONTAL SPLICE
SPLICE OF HORIZONTAL CABLES



VERTICAL PIPE
CABLE DOWN AT 45° TO RANGE OF VERTICAL PIPES TYPE VS

BURNDY CONNECTIONS

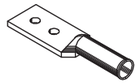
(OR APPROVED EQUAL)



"C" CONNECTOR
HYPRESS TYPE YGHC

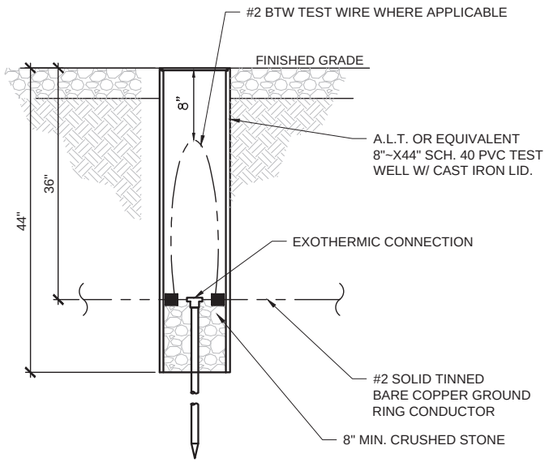


BOND JUMPER
FIELD FABRICATED GREEN STRANDED INSULATED TYPE 2-YA-2

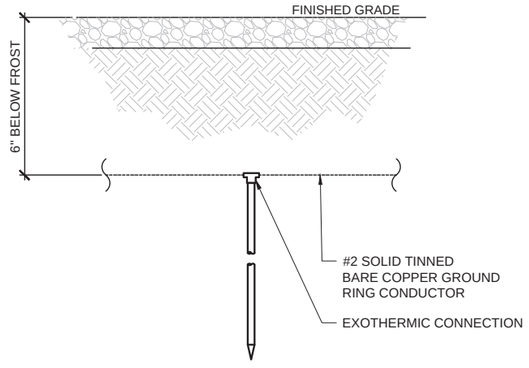


COPPER LUGS
TWO HOLE - LONG BARREL LENGTH TYPE YA-2

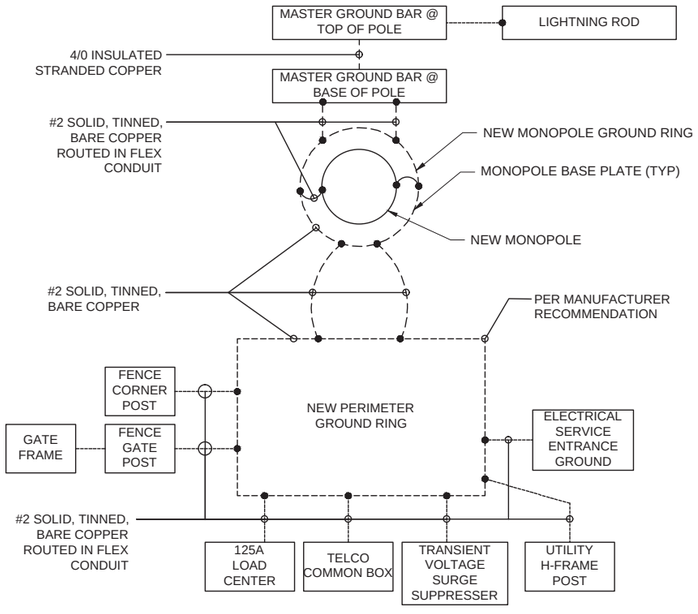
2 TYPICAL WELDING CONNECTIONS
N.T.S.



3 ACCESS WELL DETAIL
N.T.S.



4 GROUNDING ROD DETAIL
N.T.S.



5 GROUNDING SCHEMATIC
N.T.S.

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LOS GATOS, CA 95030

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SHEET TITLE
ELECTRICAL AND GROUNDING DETAILS

SHEET NUMBER
E-3

NOTE:

ELECTRICIANS MUST BE "CERTIFIED" BY THE STATE OF CALIFORNIA.
NON-COMPLIANT VIOLATION OF THIS REQUIREMENT BY EITHER ELECTRICIANS OR WORKING CONTRACTORS SHALL BE REPORTED TO THE BOARD AS REQUIRED UNDER THE EXITING LABOR CODE SECTION 108.2 & 3099.2 & THE DEPARTMENT OF INDUSTRIAL RELATIONS, AS WELL AS NEC/CEC 705.6
(NO EXCEPTIONS WILL BE ALLOWED)

120/240V 1Ø 3-WIRE
MAIN CB: 2P/200A

EXISTING DISTRIBUTION PANEL

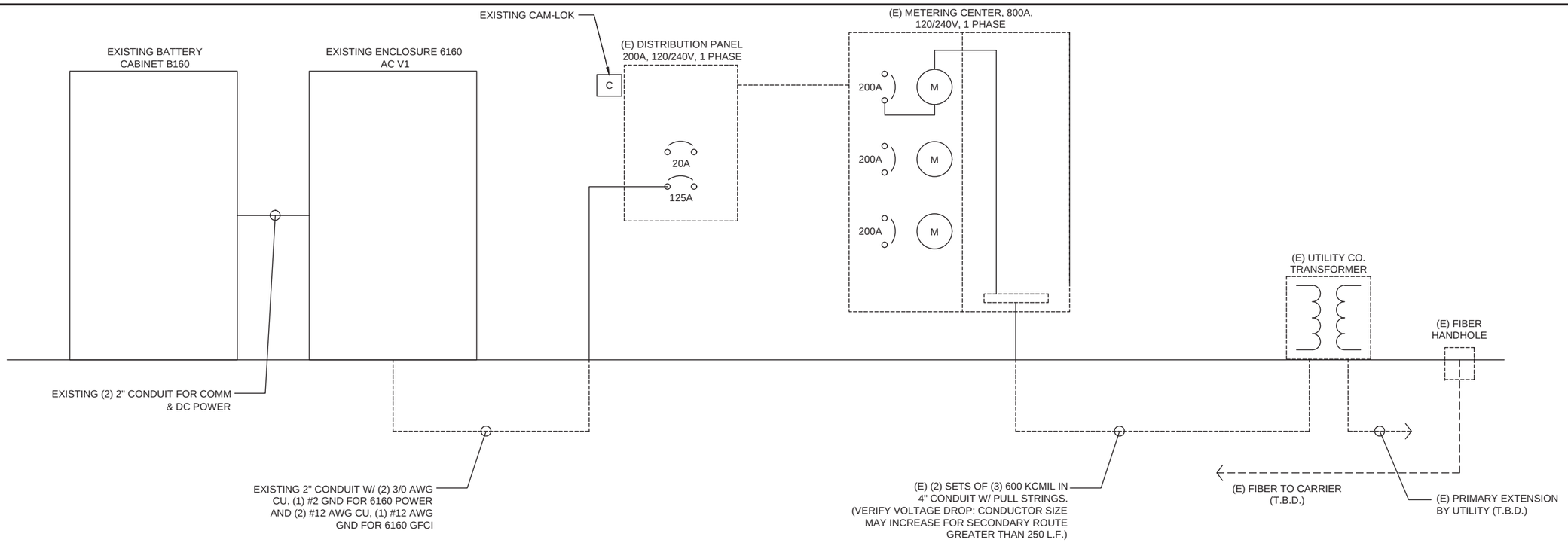
MOUNTING: SURFACE
NEMA: 3R
LOCATION: LEASE AREA

VOLT AMPS PHASE A	VOLT AMPS PHASE B	DESCRIPTION	POLE	BRKR.	CIRCUIT			CIRCUIT	BRKR.	POLE	DESCRIPTION	VOLT AMPS PHASE A	VOLT AMPS PHASE B
-		SERVICE DISCONNECT	2	200					200	2	GEN. SERVICE DISCONNECT	-	
	-												-
200	-	SITE LIGHT	1	20	1	●		2	15	1	RECEPTACLES	180	-
-	7560	RBS 6102	2	60	3		●	4	125	2	RBS 6160	-	8640
7560	-				5	●		6				8640	-
-	-	SPACE	1	-	7		●	8	20	1	RECEPTACLE TO 6160	-	180
-	-	SPACE	1	-	9	●		10	-	1	SPACE	-	-
-	-	SPACE	1	-	11		●	12	-	1	SPACE	-	-
-	-	SPACE	1	-	13	●		14	-	1	SPACE	-	-
-	-	SPACE	1	-	15		●	16	-	1	SPACE	-	-
-	-	SPACE	1	-	17	●		18	-	1	SPACE	-	-
-	-	SPACE	1	-	19		●	20	-	1	SPACE	-	-
-	-	SPACE	1	-	21	●		22	-	1	SPACE	-	-
-	-	SPACE	1	-	23		●	24	-	1	SPACE	-	-
7,760	7,560					VA/LINE						8,820	8,820

PHASE A = 16,580 PHASE B = 16,380

TOTAL CONNECTED LOAD: 32,960 VA
TOTAL DESIGN AMPS: 160A

1 PANEL SCHEDULE
N.T.S.



2 ELECTRICAL SINGLE-LINE DIAGRAM
N.T.S.

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SHEET TITLE
SINGLE LINE DIAGRAM & PANEL SCHEDULE

SHEET NUMBER
E-4

GENERAL NOTES

1. ALL REFERENCES TO OWNER HEREIN SHALL BE CONSTRUED TO MEAN SBA OR IT'S DESIGNATED REPRESENTATIVE.
2. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY. THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE AND/OR COUNTY IN WHICH IT IS TO BE PERFORMED.
3. UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
4. ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERCEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
5. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
6. ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND THE TESTING AGENCY PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.
7. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
9. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF THE LOCAL BUILDING CODE.
10. ALL PROPOSED CELLULAR EQUIPMENT AND FIXTURES SHALL BE FURNISHED BY OWNER FOR INSTALLATION BY THE CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE HEREIN.
11. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS WITH THE RESIDENT LEASING AGENT FOR APPROVAL.
12. RADIO EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
13. CONTRACTOR TO VERIFY ALL ASPECTS OF THE EXISTING SITE, INCLUDING THE EXISTING MONOPOLE FOUNDATION AND ANCHOR RODS, TO VERIFY THE CONDITION AND SIZE OF ALL EXISTING ELEMENTS AND SHALL NOTIFY THE EOR SHOULD ANY DAMAGE OR DETERIORATION, OR DISCREPANCIES BETWEEN THE EXISTING STRUCTURE AND THAT SHOWN ON THE APPROVED STUCTURAL DRAWINGS BE FOUND.

STRUCTURAL NOTES

1. DESIGN REQUIREMENTS PER LOCAL BUILDING CODE AND THE E1A/TIA-222-GH STRUCTURAL STANDARDS FOR STEEL ANTENNAS TOWERS AND SUPPORTING STRUCTURES.
2. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF A.I.S.C. SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS-ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN INCLUDING THE COMMENTARY AND THE A.I.S.C. CODE OF STANDARD PRACTICE.

STRUCTURAL NOTES

2. STRUCTURAL STEEL PLATES AND SHAPES SHALL CONFORM TO ASTM A36. ALL STRUCTURAL STEEL PIPES SHALL CONFORM TO ASTM A53 GRADE 8. ALL STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500 GRACE 8. ALL STRUCTURAL STEEL COMPONENTS AND FABRICATED ASSEMBLIES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
3. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS) D.1.1-96. STRUCTURAL WELDING CODE-STEEL WELD ELECTRODES SHALL BE E70XX.
4. ALL COAXIAL CABLE CONNECTORS AND TRANSMITTER EQUIPMENT SHALL BE AS SPECIFIED BY THE OWNER AND IS NOT INCLUDED IN THESE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL FURNISH ALL CONNECTION HARDWARE REQUIRED TO SECURE THE CABLES. CONNECTION HARDWARE SHALL BE STAINLESS STEEL.
5. NORTH ARROW SHOWN ON PLANS REFERS TO TRUE NORTH. CONTRACTOR SHALL VERIFY NORTH AND INFORM OWNER OF ANY DISCREPANCY BEFORE STARTING CONSTRUCTION.
6. ALL CAST IN PLACE CONCRETE SHALL BE MIXED AND PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 AND AC1 301, AND SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI (U.O.N.). CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL UNLESS OTHERWISE NOTED. MINIMUM CONCRETE COVER SHALL BE 3 INCHES UNLESS OTHERWISE NOTED.
7. ALL REINFORCING STEEL SHALL CONFORM TO ASTM 615 GRADE 80, DEFORMED BILLET STEEL BARS. WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A185.
8. THE FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST A.I.S.C. SPECIFICATIONS.
9. ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE STEEL FABRICATOR IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.
10. HOT-DIP GALVANIZE ITEMS SPECIFIED TO BE ZINC-COATED. AFTER FABRICATION WHERE PRACTICAL. GALVANIZING: ASTM A 123, ASTM A 153/A 153M OR ASTM A 653/A 653M, G90, AS APPLICABLE.
11. REPAIR DAMAGED SURFACES WITH GALVANIZING REPAIR METHOD AND PAINT' CONFORMING TO ASTM A 780 OR BY APPLICATION OF STICK OR THICK PASTE MATERIAL SPECIFICALLY DESIGNED FOR REPAIR OF GALVANIZING. CLEAN AREAS TO BE REPAIRED, AND REMOVE SLAG FROM WELDS. HEAT SURFACES TO WHICH STICK OR PASTE MATERIAL IS APPLIED WITH A TORCH TO A TEMPERATURE SUFFICIENT TO MELT THE METALLICS. IN STICK OR PASTE, SPREAD MOLTEN MATERIAL UNIFORMLY OVER SURFACES TO BE COATED AND WIPE OFF EXCESS MATERIAL.
12. CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S INSTRUCTIONS/ SPECIFICATIONS IF NO INFORMATION IS CONTAINED IN THESE PLANS OR IF THE MANUFACTURER'S SPECIFICATIONS ARE STRICTER.

SPECIAL INSPECTION

1. IF REQUIRED, SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT SPECIAL INSPECTOR PER CODE FOR THE FOLLOWING ITEMS:
   A. CONTINUOUS DURING THE INSTALLATION OF EXPANSION AND/OR ADHESIVE ANCHORS, IF UTILIZED: INSPECT HOLE SIZE, DEPTH, CLEANLINESS, AND INSTALLATION PER ICC REPORT.
   B. PERIODIC FOR HIGH STRENGTH BOLT INSTALLATIONS (A325), IF UTILIZED.
   C. ADDITIONAL SPECIAL INSPECTIONS AS REQUIRED FOR FABRICATION AND INSTALLATION OF THE NEW MONO-PINE AND FOUNDATION OR VERIFICATION OF THE EXISTING MONOPOLE FOUNDATION AS SHOWN ON THE APPROVED STRUCTURAL CALCULATIONS AND DRAWINGS FOR THE MONO-PINE (BY OTHERS). FOR NEW FOUNDATIONS, SPECIAL INSPECTION SHALL INCLUDE, BUT NOT BE LIMITED TO:
      -EXCAVATIONS
      -REINFORCEMENT AND FORM PLACEMENT
      -ANCHOR ROD PLACEMENT
      -CONCRETE PLACEMENT, MIX DESIGN REVIEW, AND CONCRETE TESTING

2. THE SPECIAL INSPECTOR SHALL PROVIDE A COPY OF THEIR REPORT TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL AS EACH TEST IS COMPLETED. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION; THEN, IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND THE BUILDING OFFICIAL.

3. ANY MATERIAL WHICH FAILS TO MEET THE PROJECT SPECIFICATIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE STRUCTURAL ENGINEER. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.

4. INSPECTION FOR PREFABRICATION CONSTRUCTION SHALL BE THE SAME AS FOR THE MATERIAL USED IF THE CONSTRUCTION TOOK PLACE ON SITE. CONTINUOUS INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE.

5. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT SIGNED BY BOTH HE AND HIS SUPERVISOR STATING WHETHER THE WORK REQUIRING SPECIAL INSPSECTION WAS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.

UTILITIES

1. CONTRACTOR SHALL CONTACT A SUBSURFACE UTILITY LOCATOR FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
   LOCATION OF EXISTING SEWER, WATER LINES, GAS LINES, CONDUITS OR OTHER STRUCTURES ACROSS, UNDERNEATH, OR OTHERWISE ALONG THE LINE OF PROPOSED WORK ARE NOT NECESSARILY SHOWN ON THE PLANS, AND IF SHOWN ARE ONLY APPROXIMATELY CORRECT. CONTRACTOR ASSUMES SOLE RESPONSIBILITY FOR VERIFYING LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES (INCLUDING TEST PITS BY HAND IF NECESSARY) IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT ENGINEER IMMEDIATELY IF LOCATION DR ELEVATI0N IS DIFFERENT FROM THAT SHOWN ON THE PLANS, OR IF THERE APPEARS TO BE A CONFLICT.

2. CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS WITH APPROPRIATE UTILITY OWNERS AND CONSTRUCTION MANAGER.

3. DAMAGE BY THE CONTRACTOR TO UTILITIES OR PROPERTY OF OTHERS, INCLUDING EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO PRE CONSTRUCTION CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CLIENT. FOR GRASSED AREAS, SEED AND MULCH SHALL BE ACCEPTABLE..

4. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE REQUIREMENTS FOR AND LIMITS OF OVERHEAD AND/OR UNDERGROUND ELECTRICAL SERVICE.

5. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF NEW UNDERGROUND TELEPHONE SERVICE WITH THE TELEPHONE UTILITY AND THE OWNER'S REQUIREMENTS.

6. ALL UNDERGROUND UTILITIES SHALL BE INSTALLED AND TESTED SATISFACTORY PRIOR TO COMMENCING ANY PAVING OPERATIONS WHERE SUCH UTILITIES ARE WITHIN THE LIMITS OF PAVEMENT.

PERMITS

1. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENTAL AGENCIES. (NOT SUPPLIED BY OWNER)

2. ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS. (NOT SUPPLIED BY OWNER)

3. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND THE LATEST APPLICABLE CODES AND STANDARDS.

4. THE CONTRACTOR SHALL NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY, OR CITY) ENGINEER 24 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.

5. CONTRACTOR RESPONSIBLE FOR CLOSING AND FILING ALL PERMITS ASSOCIATED WITH SITE.

GRADING

1. THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC...) ALL MATERIAL NOT SUITABLE FOR SUB GRADE IN ITS PRESENT STATE. IF THE MATERIAL, AFTER REWORKING, REMAINS UNSUITABLE THEN THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL AT HIS EXPENSE. ALL SUB GRADES SHALL BE PROOF ROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFT MATERIAL SHALL BE REWORKED OR REPLACED.

2. THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL DITCHES, PIPES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTABLE BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURES IN OPERABLE CONDITION.

3. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE (1) YEAR FROM DATE OF ACCEPTANCE.

4. ALL DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE OWNER IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED. THE CONTRACTOR SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHEN WORK IS BEING PRE FORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.

PAINTING

1. CONTRACTOR TO COORDINATE PAINTING REQUIREMENTS WITH OWNER.

2. PAINT COLORS SHALL BE SELECTED TO MATCH EXISTING COLORS AND TEXTURES.

3. PROVIDE THE BEST QUALITY GRADE OF COATINGS AS REGULARLY MANUFACTURED BY APPROVED PAINT MATERIAL MANUFACTURERS. MATERIALS NOT DISPLAYING THE MANUFACTURER'S IDENTIFICATION AS A STANDARD, BEST-GRADE PRODUCT WILL NOT BE ACCEPTABLE.

4. PROVIDE UNDERCOAT PAINT PRODUCED BY THE SAME MANUFACTURER AS THE FINISH COATS. USE ONLY THINNERS APPROVED BY THE PAINT MANUFACTURER AND USE ONLY WITHIN RECOMMENDED LIMITS.

5. COMPLETELY COVER TO PROVIDE AN OPAQUE, SMOOTH SURFACE OF UNIFORM FINISH, COLOR, APPEARANCE, AND COVERAGE. CLOUDINESS, SPOTTINGS, HOLIDAYS, LAPS, BRUSH MARKS, RUNS, SAGS, ROPINESS, OR OTHER SURFACE IMPERFECTIONS WILL NOT BE ACCEPTABLE.

6. ALL GRAFFITI ON ANY COMPONENT OF THE FACILITY SHALL BE REMOVED PROMPTLY IN ACCORDANCE WITH COUNTY REGULATIONS.

7. THIS WIRELESS FACILITY SHALL BE KEPT CLEAN AND FREE OF LITTER.

8. ALL EQUIPMENT CABINETS SHALL DISPLAY A LEGIBLE OPERATOR'S CONTACT NUMBER FOR REPORTING MAINTENANCE PROBLEMS.

9. ALL SUPPORTING EQUIPMENT IN THE LEASE AREA WILL BE PAINTED / TEXTURED TO MATCH PROPOSED FAUX MONO-PINE.

FERROUS METALS
SHOP PRIMED
TOUCH-UP COAT - RED OXIDE METAL PRIMER
FINISH COATS - SEMI-GLOSS-ALKYD ENAMEL

SBA CONSTRUCTION REQUIREMENTS

1. AWARDED CONTRACTOR WILL BE REQUIRED TO SIGN AND RETURN A COPY OF AN AWARD LETTER FOR SBA'S FILE.
2. CONTRACTOR WILL BE REQUIRED TO PROVIDE PROOF OF LICENSE TO PERFORM WORK IN JURISDICTION AT TIME OF BID AWARD.
3. CONTRACTOR WILL PROVIDE A CONSTRUCTION SCHEDULE PRIOR TO CONSTRUCTION STARTING AND WILL PROVIDE UPDATE/CHANGES (WITH EXPLANATIONS) TO THAT SCHEDULE WHEN/IF ITEMS ARE DELAYED OR PUSHED OUT.
4. CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONCRETE COMPRESSIVE TESTING AND REQUIRED TO SUBMIT FINAL TEST RESULTS WITH CLOSE OUT BOOK.
5. CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE SBA PROJECT MANAGERS WITH PHOTOS OF THE MAJOR CONSTRUCTION MILESTONES AS THEY OCCUR.
6. CONTRACTOR WILL BE RESPONSIBLE TO ASSIST IN COORDINATING AND OBTAINING PRIMARY POWER TO THE SITE PRIOR TO TOWER ERECTION, AS WELL AS TELCO SERVICE BEFORE PROJECT COMPLETION. (ON SITE VISITS WITH UTILITY COMPANY REPRESENTATIVES AS NECESSARY, ETC....).
7. CONTRACTOR WILL HAVE A REPRESENTATIVE ON A WEEKLY CONFERENCE CALL TO PROVIDE SBA WITH SITE SPECIFIC UPDATES. CURRENTLY, THIS CONFERENCE CALL IS HELD EACH AND EVERY THURSDAY AT 4 PM (EASTERN TIME).
8. CONTRACTOR SHOULD BE PREPARED FOR RANDOM SBA SAFETY INSPECTIONS AT ALL TIMES.
9. CONTRACTOR IS EXPECTED TO MAINTAIN PROPER WORKING CONDITIONS AND PROCEDURES PER OSHA STANDARDS AT ALL TIMES.
10. CONTRACTOR WILL BE REQUIRED TO OBTAIN THE NECESSARY ELECTRICAL PERMITS AND INSPECTIONS AS REQUIRED BY JURISDICTION.
11. CONTRACTOR IS EXPECTED TO CLOSE-OUT THE JOB SITE AS QUICKLY AS POSSIBLE (OBTAINING A CERTIFICATE OF OCCUPANCY AND GETTING SBA'S REGIONAL SITE MANAGER'S SIGN-OFF/CHECKLIST APPROVAL ON THE SITE).
12. CONTRACTOR WILL PROVIDE A COMPLETED TOWER HEIGHT VERIFICATION FORM AND TAPE DROP WITHIN 24 HOURS OF REACHING OVERALL HEIGHT.
13. CONTRACTOR WILL UTILIZE ALL OF THE SBA PROVIDED DOCUMENTATION INCLUDING BUT NOT LIMITED TO: TOWER CONSTRUCTION ACCEPTANCE CHECKLIST, CONSTRUCTION SCHEDULE, CONSTRUCTION CLOSE-OUT LIST & TOWER HEIGHT VERIFICATION.
14. CONTRACTOR IS RESPONSIBLE FOR CONCRETE COMPRESSION TESTING.
15. CONTRACTOR IS RESPONSIBLE FOR GROUND MEG TESTING.

SBA TOWERS XI, LLC
A DELAWARE LIMITED LIABILITY COMPANY
8051 CONGRESS AVE
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
J	SURVEY UPDATE	06/05/26	KM
K	CLIENT COMMENTS	06/19/26	KM
L	CLIENT COMMENTS	07/01/26	KM
M	CLIENT COMMENTS	07/09/26	KM
N	CLIENT COMMENTS	08/14/26	KM
P	REVIEW COMMENTS	08/17/26	KM
Q	REVIEW COMMENTS	10/15/26	DO

CA1B19C-S

HWY 17 &
BELL VISTA
RELO

APPROXIMATE TO
42 MILES AVE.
LOS GATOS, CA 95030

DRAWN BY:	KM
CHECKED BY:	RM
DATE:	07/15/24
PROJECT #:	-

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-1

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
2. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON DRAWINGS.
3. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODE. THE 2018 EDITION OF THE INTERNATIONAL BUILDING CODE, AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
4. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURE SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE STRUCTURAL MEMBERS.
5. CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
6. DESIGN CRITERIA:
   - CODE:
     - STRUCTURAL DESIGN IS BASED ON THE CALIFORNIA BUILDING CODE, 2019 EDITION (2018 IBC) AND THE ASCE 7-16 STANDARD.
   - WIND:
     - VELOCITY 94 MPH (3 SEC. GUST)
     - EXPOSURE "C"
     - RISK CATEGORY = II
   - SEISMIC:
     - SEISMIC IMPORTANCE FACTOR, I = 1
     - RISK CATEGORY = II
     - MAPPED SPECTRAL ACCELERATIONS: SS = 0.560G S1 = 0.221G
     - SITE CLASS: D
     - SPECTRAL RESPONSE COEFFICIENTS: SDS = 0.505G SD1 = 0.318G
     - SEISMIC DESIGN CATEGORY: D
     - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

FOUNDATION

1. FOOTINGS ARE DESIGNED BASED ON AN ALLOWABLE SOIL PRESSURE OF 1000 PSFVECTOR STRUCTURAL ENGINEERING STRONGLY RECOMMENDS INDEPENDENT SOILS TESTING BE PERFORMED BY A LICENSED GEOTECHNICAL ENGINEER TO VERIFY SOIL BEARING CAPACITY, SLOPE STABILITY, AND ANY OTHER RELATED SOIL PARAMETERS, AS REQUIRED.
2. CONTRACTOR SHALL PROVIDE FOR PROPER DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER, SEEPAGE, ETC.
3. FOOTINGS SHALL BE PLACED ACCORDING TO DEPTHS SHOWN ON THE DRAWINGS.
4. FOOTING BACK FILL AND UTILITY TRENCH BACK FILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS. FLOODING WILL NOT BE PERMITTED.
5. ALL ABANDONED FOOTINGS, UTILITIES, ETC. THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.

CONCRETE

1. ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318 LATEST APPROVED EDITION) WITH MODIFICATIONS AS NOTED IN THE DRAWINGS AND SPECIFICATIONS.
2. REINFORCED CONCRETE DESIGN IS BY THE "ULTIMATE STRENGTH DESIGN METHOD", ACI 318-(LATEST EDITION)
3. SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTHS AND TYPES:

LOCATION IN STRUCTURE	STRENGTH PSI	TYPE
SLABS ON GRADE	4500	HARD ROCK
FOOTINGS	4500	HARD ROCK

   DESIGN BASED ON 2500 PSI, 28-DAY STRENGTH, SPECIAL INSPECTION IS NOT REQUIRED.
4. CONCRETE MIX DESIGN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL WITH THE FOLLOWING REQUIREMENTS:
   a. COMPRESSIVE STRENGTH AT AGE 28 DAYS AS SPECIFIED ABOVE.
   b. LARGE AGGREGATE-HARDROCK, ¾" MAXIMUM SIZE CONFORMING TO ASTM C-33
   c. CEMENT-ASTM C-150, TYPE V PORTLAND CEMENT
   d. MAXIMUM SLUMP 5-INCHES, MAX WATER CEMENT RATIO: 0.45
   e. NO ADMIXTURES, EXCEPT FOR ENTRAINED AIR, AND AS APPROVED BY THE ENGINEER.

REINFORCING STEEL

1. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615 GRADE 60.
2. ALL REINFORCING BAR BENDS SHALL BE MADE COLD
3. MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6 INCHES OR ONE FULL MESH AND ONE HALF, WHICH EVER IS GREATER.
4. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.
5. REBAR SPLICES ARE TO BE: CLASS "B"
6. REINFORCING SPLICES SHALL BE MADE ONLY WHERE INDICATED ON THE DRAWINGS.
7. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING OR NUMBER AS THE VERTICAL REINFORCING, RESPECTIVELY.

CONCRETE MASONRY UNITS (CMU)

1. MASONRY UNITS SHALL BE GRADE N-II UNITS, 1500 PSI, CONFORMING TO THE LATEST ASTM DESIGNATION C-90 & IN ADDITION, THE QUALITY CONTROL STANDARDS OF THE CONCRETE MASONRY ASSOCIATION OF CALIFORNIA & NEVADA.
2. PORTLAND CEMENT SHALL CONFORM TO ASTM DESIGNATION C-150 & BE AS SPECIFIED FOR CONCRETE.
3. MORTAR MIX SHALL CONFORM TO THE REQUIREMENTS OF IBC TABLE 2103.7, TYPE S, & PROJECT SPECIFICATIONS. MORTAR SHALL ATTAIN A COMPRESSIVE STRENGTH OF 1500 PSI AT 28 DAYS.
4. GROUT SHALL CONFORM TO THE REQUIREMENTS OF SECTION 2103 OF IBC FOR COARSE GROUT. USE SUFFICIENT WATER FOR GROUT TO FLOW INTO ALL JOINTS OF THE MASONRY WITHOUT SEGRETION. GROUT SHALL ATTAIN A COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS.
5. PROVIDE A MINIMUM OF 1/2" GROUT BETWEEN MAIN REINFORCING & MASONRY UNITS.
6. LOW LIFT CONSTRUCTION, MAXIMUM GROUT POUR HEIGHT IS 4 FEET.
7. CELLS SHALL BE IN VERTICAL ALIGNMENT. DOWELS IN FOOTINGS SHALL BE SET TO ALIGN WITH CORES CONTAINING REINFORCING STEEL.
8. REFER TO ARCHITECTURAL DRAWINGS FOR SURFACE & HEIGHT OF UNITS, LAYING PATTERN & JOINT TYPE.

SPECIAL INSPECTION / QUALITY ASSURANCE PLAN

1. SPECIAL INSPECTIONS SHALL BE REQUIRED:
   a. LEVEL B SPECIAL INSPECTION REQUIRED FOR ALL CMU CONSTRUCTION.
   b. THE OWNERS SHALL EMPLOY SPECIAL INSPECTORS WHO SHALL PROVIDE ADDITIONAL INSPECTIONS DURING CONSTRUCTION IN ACCORDANCE WITH IBC SECTION 17.
   c. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT CERTIFIED INSPECTOR FROM AN ESTABLISHED TESTING AGENCY, LICENSED AND APPROVED BY THE BUILDING DEPARTMENT.
   d. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO VECTOR STRUCTURAL ENGINEERING AND ALL INTERESTED PARTIES.
3. STRUCTURAL TESTING IS NOT REQUIRED.
4. ALL REPORTS SHALL BE DISTRIBUTED ON A MONTHLY BASIS TO THE ENGINEER OF RECORD, OWNER, CONTRACTOR, AND TO THE BUILDING OFFICIAL.
5. NO STRUCTURAL OBSERVATION IS REQUIRED. HOWEVER, THE ENGINEER OF RECORD RESERVES THE RIGHT TO MAKE FIELD OBSERVATIONS DURING CONSTRUCTION APPROXIMATELY ONCE PER WEEK.

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REVISIONS

NO.	DESCRIPTION	DATE	BY
J	SURVEY UPDATE	06/05/26	KM
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CA1B19C-S

HWY 17 & BELL VISTA RELO

APPROXIMATE TO
42 MILES AVE.
LOS GATOS, CA 95030

DRAWN BY:	KM
CHECKED BY:	RM
DATE:	07/15/24
PROJECT #:	-

SHEET TITLE
GENERAL STRUCTURAL NOTES

SHEET NUMBER
GN-2

PROPOSED LEASE AREA (AS SURVEYED)

Situated in the County of Santa Clara, and State of California. Known as being a 645 square foot Proposed Lease Area over and upon a parcel of land now or formerly conveyed to Pacific Gas and Electric Company, a corporation as recorded in Book 2811 at Page 557 and in Book 2773 at Page 253, all of Santa Clara County Records and being more particularly described as follows:

COMMENCING and BEGINNING at a point on the Northerly right-of-way of Miles Avenue with the westerly right-of-way of State Route 17; Thence North 30°41'37" East a distance of 44.47 feet to the POINT OF BEGINNING;

Thence North 02°27'27" West a distance of 8.82 feet; Thence North 06°04'10" West a distance of 42.65 feet; Thence North 82°50'53" East a distance of 12.51 feet; Thence South 06°14'56" East a distance of 33.54 feet; Thence South 02°27'27" East a distance of 18.94 feet; Thence South 87°32'33" West a distance of 12.00 feet to the POINT OF BEGINNING.

The Proposed Lease Area contains 0.015 acres, or 645 square feet, of land.

PROPOSED 20' WIDE NON-EXCLUSIVE ACCESS & UTILITY EASEMENT (AS SURVEYED)

Situated in the County of Santa Clara, and State of California. Known as being a 1,790 square foot Non-Exclusive Access & Utility Easement over and upon a parcel of land now or formerly conveyed to Coast Counties Gas and Electric Company, a corporation as recorded in Book 791 at Page 363 of Santa Clara County Records and being more particularly described as follows:

COMMENCING and BEGINNING at a point on the Northerly right-of-way of Miles Avenue with the westerly right-of-way of State Route 17; Thence North 60°16'00" West a distance of 20.00 feet; Thence North 30°41'37" East a distance of 39.09 feet; Thence North 06°04'10" West a distance of 44.06 feet; Thence North 83°55'50" East a distance of 20.00 feet; Thence South 06°04'10" East a distance of 42.65 feet; Thence South 02°27'27" East a distance of 8.82 feet; Thence South 30°41'37" West a distance of 44.47 feet to the POINT OF BEGINNING.

The 20' Wide Non-Exclusive Access & Utility Easement contains 0.041 acres, or 1,790 square feet, of land.

PARENT PARCEL DESCRIPTION (AS PROVIDED)

SITUATE IN THE COUNTY OF SANTA CLARA, STATE OF CALIFORNIA:

BEGINNING AT A POINT WHICH BEARS N. 89° 44' 30" E. 333.8 FEET AND N. 29° 44' 30" E. 92.08 FEET FROM A 3/4 INCH IRON PIPE MARKING THE MOST EASTERLY CORNER OF LOT 1, BLOCK 9, AS SHOWN UPON THE MAP OF VINEYARD LOTS IN THE TOWN OF LOS GATOS, WHICH SAID MAP WAS FILED FOR RECORD APRIL 21, 1888 IN BOOK "C" OF MAPS, AT PAGE 87, SANTA CLARA COUNTY RECORDS, SAID POINT OF BEGINNING ALSO BEING AT A POINT IN THE SOUTHERLY BOUNDARY LINE OF THAT CERTAIN PARCEL OF LAND CONVEYED BY ALEXANDER ENGLISH TO THE TOWN OF LOS GATOS, A MUNICIPAL CORPORATION, BY DEED DATED APRIL 7, 1890 AND RECORDED APRIL 24, 1890 IN BOOK 125 OF DEEDS AT PAGE 190, SANTA CLARA COUNTY RECORDS, DISTANT THEREON S. 64° 55' 30" E. 117.32 FEET FROM THE SOUTHWESTERLY CORNER OF SAID PARCEL OF LAND, SAID POINT OF BEGINNING ALSO BEING THE MOST WESTERLY CORNER OF THE PARCEL OF LAND CONVEYED BY THE TOWN OF LOS GATOS, A MUNICIPAL CORPORATION TO PACIFIC GAS AND ELECTRIC COMPANY, A CORPORATION, BY DEED DATED NOVEMBER 16, 1953 AND RECORDED DECEMBER 10, 1953 IN BOOK 2773 OF OFFICIAL RECORDS, PAGE 253, SANTA CLARA COUNTY RECORDS, THENCE FROM SAID POINT OF BEGINNING RUNNING S. 29° 44' 30" W. 92.08 FEET TO A ONE INCH IRON PIPE; THENCE S. 60° 15' 30" E. 305.65 FEET TO THE SOUTHEASTERLY LINE OF THE 7.69 ACRE TRACT OF LAND DESCRIBED IN THE DECREE MADE DECEMBER 31, 1953 IN THE SUPERIOR COURT OF THE STATE OF CALIFORNIA, IN AND FOR THE COUNTY OF SANTA CLARA, QUIETING TITLE TO SAID 7.69 ACRE TRACT IN TOWN OF LOS GATOS, A MUNICIPAL CORPORATION, A CERTIFIED COPY OF WHICH DECREE WAS RECORDED JANUARY 4, 1954 IN BOOK 2787 OF OFFICIAL RECORDS, PAGE 433, SANTA, CLARA COUNTY RECORDS, (RECORDER'S FILE NO. 940305), THENCE RUNNING ALONG SAID LINE OF SAID 7.69 ACRE TRACT, N. 52° 44' 30" E. 52.44 FEET TO THE POINT OF INTERSECTION OF SAID LINE OF SAID 7.69 ACRE TRACT WITH THE SOUTHEASTERLY PROLONGATION OF THE NORTHEASTERLY LINE OF SAID PARCEL OF LAND CONVEYED TO PACIFIC GAS AND ELECTRIC COMPANY, A CORPORATION, ABOVE REFERRED TO, THENCE LEAVING SAID LINE OF SAID 7.69 ACRE TRACT AND RUNNING. ALONG SAID PROLONGED LINE OF SAID PARCEL OF LAND SO CONVEYED TO SAID COMPANY, N. 4° 12' 30' W. 80.49 FEET TO THE MOST EASTERLY CORNER OF SAID PARCEL OF LAND SO CONVEYED TO SAID PACIFIC GAS AND ELECTRIC COMPANY, A CORPORATION, THENCE RUNNING ALONG THE SOUTHWESTERLY LINE OF SAID PARCEL OF LAND AND ALONG SAID SOUTHERLY LINE OF THE PARCEL OF LAND CONVEYED TO THE TOWN OF LOS GATOS, A MUNICIPAL CORPORATION, ABOVE REFERRED TO, N. 64° 55' 30" W. 282.13 FEET TO THE POINT OF BEGINNING AND BEING A PORTION OF LOT 2 AS SHOWN UPON THE MAP OF THE SUBDIVISION OF THE EASTERLY PARTY OF THE MASON TRACT, PART OF THE RINOCONADA DE LOS GATOS RANCHO, WHICH SAID MAP WAS FILED FOR RECORD DECEMBER 14, 1863 IN BOOK "B" OF MAPS, AT PAGE 4, SANTA CLARA COUNTY RECORDS.

LESS AND EXCEPT THAT PROPERTY CONVEYED IN DEED I929-581 RECORDED 10/02/1984 IN THE SANTA CLARA COUNTY RECORDS.
TAX ID NO: 529-05-043

DERIVATION CLAUSE

BEING THE SAME PROPERTY CONVEYED TO PACIFIC GAS AND ELECTRIC COMPANY, A CORPORATION, GRANTEE, FROM THE TOWN OF LOS GATOS, A MUNICIPAL CORPORATION OF THE SIXTH CLASS, GRANTOR RECORDED 02/10/1954, AS BOOK 2811 PAGE 557 OF SANTA CLARA COUNTY RECORDS.

BEING THE SAME PROPERTY CONVEYED TO PACIFIC GAS AND ELECTRIC COMPANY, A CORPORATION, GRANTEE, FROM THE TOWN OF LOS GATOS, A MUNICIPAL CORPORATION OF THE SIX CLASS, GRANTOR RECORDED 12/18/1953, AS BOOK 2773 PAGE 253 OF SANTA CLARA COUNTY RECORDS.



LOCATION MAP
NO SCALE

BASIS OF BEARINGS

The basis for all bearings shown hereon is the State of California Grid, Zone 3, NAD 83 (2011).

FLOOD ZONE

By scaled map location and graphic plotting only, the subject property appears to lie entirely in Zone X-Shaded (Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood) according to the Flood Insurance Rate Map for the County of Santa Clara, Community Panel No. 06085C0376H, Effective Date May 18, 2009.

ENCROACHMENTS

At the time of survey there were no visible encroachments onto or beyond the subject property.

CERTIFICATION

I, Casey Wayne Lowry, CA-PLS, a California State Registered Professional Land Surveyor, License No. 8154, hereby certify to Golden State Licensing, LLC and Old Republic National Title Insurance Company the following:

Latitude and Longitude values for the center of the above-referenced tower are accurate to within +/- 15 feet horizontally:

HORIZONTAL DATUM: NAD83

	EXISTING TOWER	PROPOSED TOWER
LATITUDE	NORTH 37° 13' 33.43"	NORTH 37° 13' 33.44"
LONGITUDE	WEST -121° 58' 36.54"	WEST -121° 58' 36.45"

This surveyor has received and reviewed that certain Limited Title Report No. 01-24027040-01S issued by Old Republic National Title Insurance Company with search date of June 07, 1984 through June 07, 2024 through which proposes to insure the lands described under its Schedule A.

The surveyor has reviewed and determined that the lands described under said Schedule A of the Title Commitment contain or include the lands as depicted on this survey.

The surveyor has reviewed and determined that the items of record as identified under Schedule B-II of said Title Commitment do encumber the lands as described on this survey, but that said items will not interfere with the location of the insured lands, including the Proposed Lease Area, and any and all access and utility easement areas.

By: _____
Casey Wayne Lowry, CA-PLS
California Professional Land Surveyor No. 8154
Date of Survey: 06.11.2024

PRELIMINARY SURVEY
Approx. to 42 Miles Avenue
Los Gatos, California 95030

SITE ID#: CA1B19C-S
SITE NAME: Hwy 17 & Bell Vista Relo

SBA

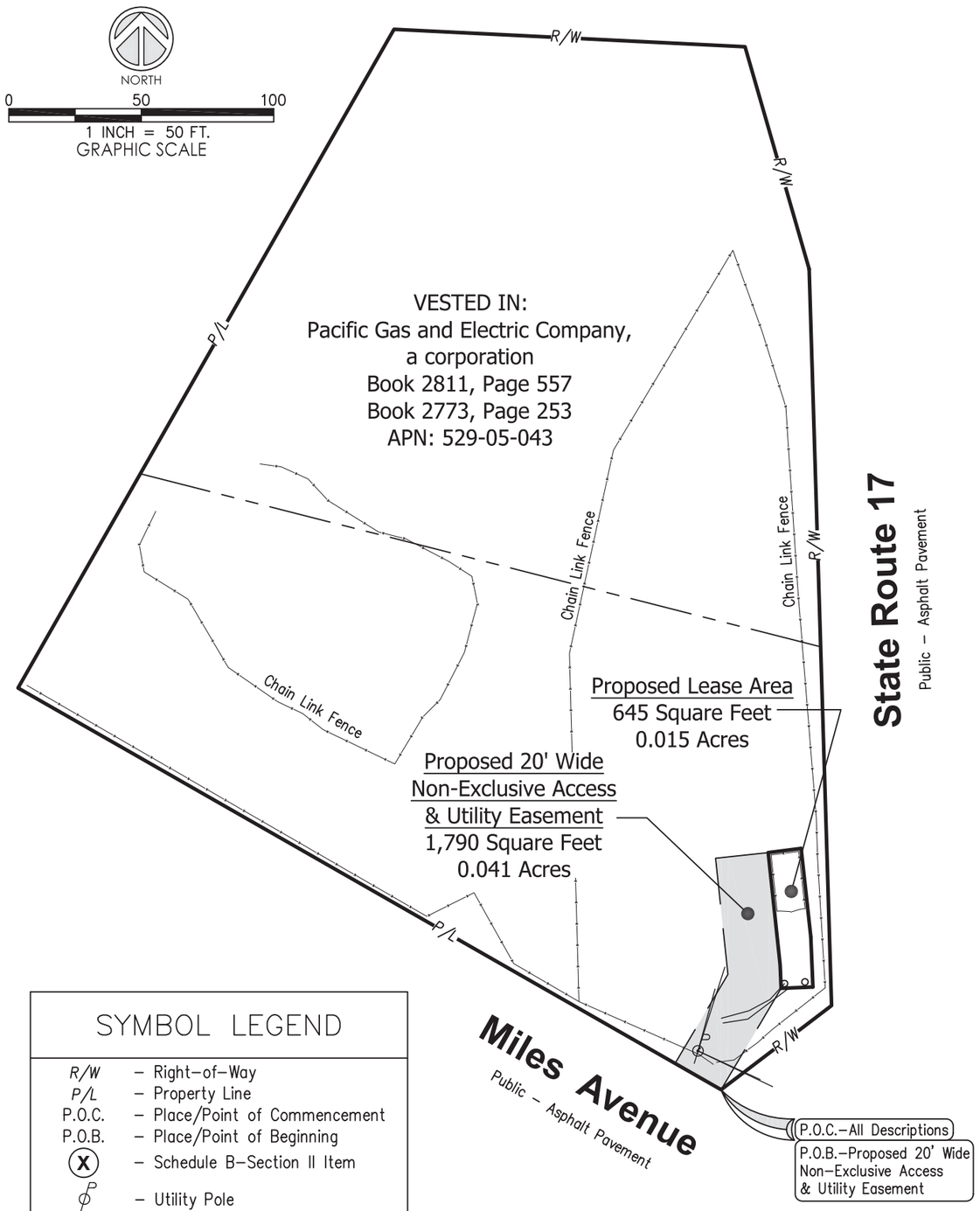
SBA Towers IX, LLC
8051 Congress Avenue
Boca Raton, FL 33487-1307

CERTA TOWER SERVICES LLC
2926 State Road, #135
Cuyahoga Falls, OH 44223-1244
330.295.3673
orders@certasite.com
www.certasite.com

BCP-3D Inc.
Land Services • BIM • Permitting
997 Embarcadero Dr. Ste 102
El Dorado Hills, CA 95762
888.791.5520
www.bcp3d.net

Note: This survey does not represent a boundary survey of the parent parcel.

Drawn By: DLV
Date: 06.03.26
Scale: None
Sheet: 1 of 3
Certa Project No. 2563



SYMBOL LEGEND

R/W	– Right-of-Way
P/L	– Property Line
P.O.C.	– Place/Point of Commencement
P.O.B.	– Place/Point of Beginning
(X)	– Schedule B-Section II Item
ϕP	– Utility Pole
—X—	– Fence (As Noted)
—e—	– Underground Electric
—ou—	– Overhead Utilities
	– Shaded Easement Area

OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY
LIMITED TITLE REPORT NO. 01-24027040-01S
DATED 06.07.1984 through 06.07.2024:

Numbers correspond with survey-related Schedule B exception items contained in the above referenced Title Commitment.

(1) INDENTURE OF MORTGAGE TO SECURE AN INDEBTEDNESS OF THE AMOUNT STATED BELOW AND ANY OTHER AMOUNTS PAYABLE UNDER THE TERMS HEREOF,

AMOUNT: NOT STATED
MORTGAGOR: PACIFIC GAS AND ELECTRIC COMPANY
MORTGAGEE: THE BANK OF NEW YORK MELLON TRUST COMPANY, N.A.
DATED: 06/19/2020
RECORDED: 07/07/2020
DOC#: 24528422

NOTE: MEMORANDUM OF SUPPLEMENTAL FIRST MORTGAGE INDENTURES, BY AND BETWEEN PACIFIC GAS AND ELECTRIC COMPANY, A CALIFORNIA CORPORATION, MORTGAGOR, AND THE BANK OF NEW YORK MELLON TRUST COMPANY, N.A., A NATIONAL BANKING ASSOCIATION, RECORDED 08/19/2020 AS INSTRUMENT NO. 24580344 OF SANTA CLARA COUNTY RECORDS.
NOTE: SEVENTH SUPPLEMENTAL INDENTURE, BY AND BETWEEN PACIFIC GAS AND ELECTRIC COMPANY, MORTGAGOR, AND THE BANK OF NEW YORK MELLON TRUST COMPANY, NA., TRUSTEE, RECORDED 02/24/2021 AS INSTRUMENT NO. 24845255 OF SANTA CLARA COUNTY RECORDS.
NOTE: MEMORANDUM OF SUPPLEMENTAL FIRST MORTGAGE INDENTURE, BY AND BETWEEN PACIFIC GAS AND ELECTRIC COMPANY AND THE BANK OF NEW YORK MELLON TRUST COMPANY, N.A., RECORDED 06/15/2021 AS INSTRUMENT NO. 24996810 OF SANTA CLARA COUNTY RECORDS.
NOTE: MEMORANDUM OF SUPPLEMENTAL FIRST MORTGAGE INDENTURE, BY AND BETWEEN PACIFIC GAS AND ELECTRIC COMPANY AND THE BANK OF NEW YORK MELLON TRUST COMPANY, N.A., RECORDED 09/22/2021 AS INSTRUMENT NO. 25109534 OF SANTA CLARA COUNTY RECORDS.
NOTE: MEMORANDUM OF SUPPLEMENTAL FIRST MORTGAGE INDENTURE, BY AND BETWEEN PACIFIC GAS AND ELECTRIC COMPANY AND THE BANK OF NEW YORK MELLON TRUST COMPANY, N.A., RECORDED 01/24/2022 AS INSTRUMENT NO. 25224313 OF SANTA CLARA COUNTY RECORDS.
NOTE: CERTIFICATE OF PARTIAL RELEASE OF LIEN, RECORDED 04/07/2022, AS INSTRUMENT NO. 25277354 OF SANTA CLARA COUNTY RECORDS.
NOTE: MEMORANDUM OF SUPPLEMENTAL FIRST MORTGAGE INDENTURE, BY AND BETWEEN PACIFIC GAS AND ELECTRIC COMPANY AND THE BANK OF NEW YORK MELLON TRUST COMPANY, N.A., RECORDED 05/18/2022 AS INSTRUMENT NO. 25304880 OF SANTA CLARA COUNTY RECORDS.
NOTE: SIXTEENTH SUPPLEMENTAL INDENTURE, BY AND BETWEEN PACIFIC GAS AND ELECTRIC COMPANY, ISSUER AND THE BANK OF NEW YORK MELLON TRUST COMPANY, N.A., TRUSTEE, RECORDED 08/08/2022 AS INSTRUMENT NO. 25354494 OF SANTA CLARA COUNTY RECORDS.
NOTE: MEMORANDUM OF SUPPLEMENTAL FIRST MORTGAGE INDENTURE, BY AND BETWEEN PACIFIC GAS AND ELECTRIC COMPANY AND THE BANK OF NEW YORK MELLON TRUST COMPANY, N.A., RECORDED 11/16/2022 AS INSTRUMENT NO. 25400909 OF SANTA CLARA COUNTY RECORDS.
NOTE: MEMORANDUM OF SUPPLEMENTAL FIRST MORTGAGE INDENTURE, BY AND BETWEEN PACIFIC GAS AND ELECTRIC COMPANY AND THE BANK OF NEW YORK MELLON TRUST COMPANY, N.A., RECORDED 03/13/2023 AS INSTRUMENT NO. 25448609 OF SANTA CLARA COUNTY RECORDS.
NOTE: NINETEENTH SUPPLEMENTAL INDENTURE, BY AND BETWEEN PACIFIC GAS AND ELECTRIC COMPANY, MORTGAGOR, AND THE BANK OF NEW YORK MELLON TRUST COMPANY, NA., TRUSTEE RECORDED 06/05/2023 AS INSTRUMENT NO. 25483457 OF SANTA CLARA COUNTY RECORDS.
NOTE: TWENTIETH SUPPLEMENTAL INDENTURE, BY AND BETWEEN PACIFIC GAS AND ELECTRIC COMPANY, ISSUER, AND THE BANK OF NEW YORK MELLON TRUST COMPANY, N.A., TRUSTEE, RECORDED 08/17/2023 AS INSTRUMENT NO. 25519458 OF SANTA CLARA COUNTY RECORDS.
NOTE: MEMORANDUM OF SUPPLEMENTAL FIRST MORTGAGE INDENTURE, BY AND BETWEEN PACIFIC GAS AND ELECTRIC COMPANY AND THE BANK OF NEW YORK MELLON TRUST COMPANY, N.A., RECORDED 01/18/2024 AS INSTRUMENT NO. 25587760 OF SANTA CLARA COUNTY RECORDS.
NOTE: TWENTY-FOURT SUPPLEMENTAL INDENTURE, BY AND BETWEEN PACIFIC GAS AND ELECTRIC COMPANY, ISSUER, AND THE BANK OF NEW YORK MELLON TRUST COMPANY, NA., TRUSTEE, RECORDED 05/06/2024 AS INSTRUMENT NO. 25632491 OF SANTA CLARA COUNTY RECORDS.
(AFFECTS THE PARENT PARCEL – BLANKET IN NATURE)

OTHER ITEMS OF RECORD

(2) SBE MAP, AS RECORDED IN BOOK 0135, PAGE 43 OF SANTA CLARA COUNTY RECORDS.
(PLAT ESTABLISHES THE PARENT PARCEL)

(3) MAP OF MASON TRACT AS RECORDED IN BOOK B, PAGE 4 OF SANTA CLARA COUNTY RECORDS.
(PLAT ESTABLISHES THE ORIGINAL PARENT PARCEL)

(4) NOTICE OF THE TOWN OF LOS GATOS REGARDING ADOPTION OF ORDINANCE 1882 APPROVING THE REDEVELOPMENT PLAN FOR THE CENTRAL LOS GATOS REDEVELOPMENT PROJECT, RECORDED 12/05/1991 AS BOOK L955, PAGE 1734 OF SANTA CLARA COUNTY RECORDS.
(AFFECTS THE PARENT PARCEL – BLANKET IN NATURE)

(5) STATEMENT OF INSTITUTION OF REDEVELOPMENT PLAN AMENDMENT BY REDEVELOPMENT AGENCY OF THE TOWN OF LOS GATOS, RECORDED 10/28/2003 AS INSTRUMENT NO. 17444059 OF SANTA CLARA COUNTY RECORDS.
(AFFECTS THE PARENT PARCEL – BLANKET IN NATURE)

PRELIMINARY SURVEY
Approx. to 42 Miles Avenue
Los Gatos, California 95030

SITE ID#: CA1B19C-S
SITE NAME: Hwy 17 & Bell Vista Relo

SBA

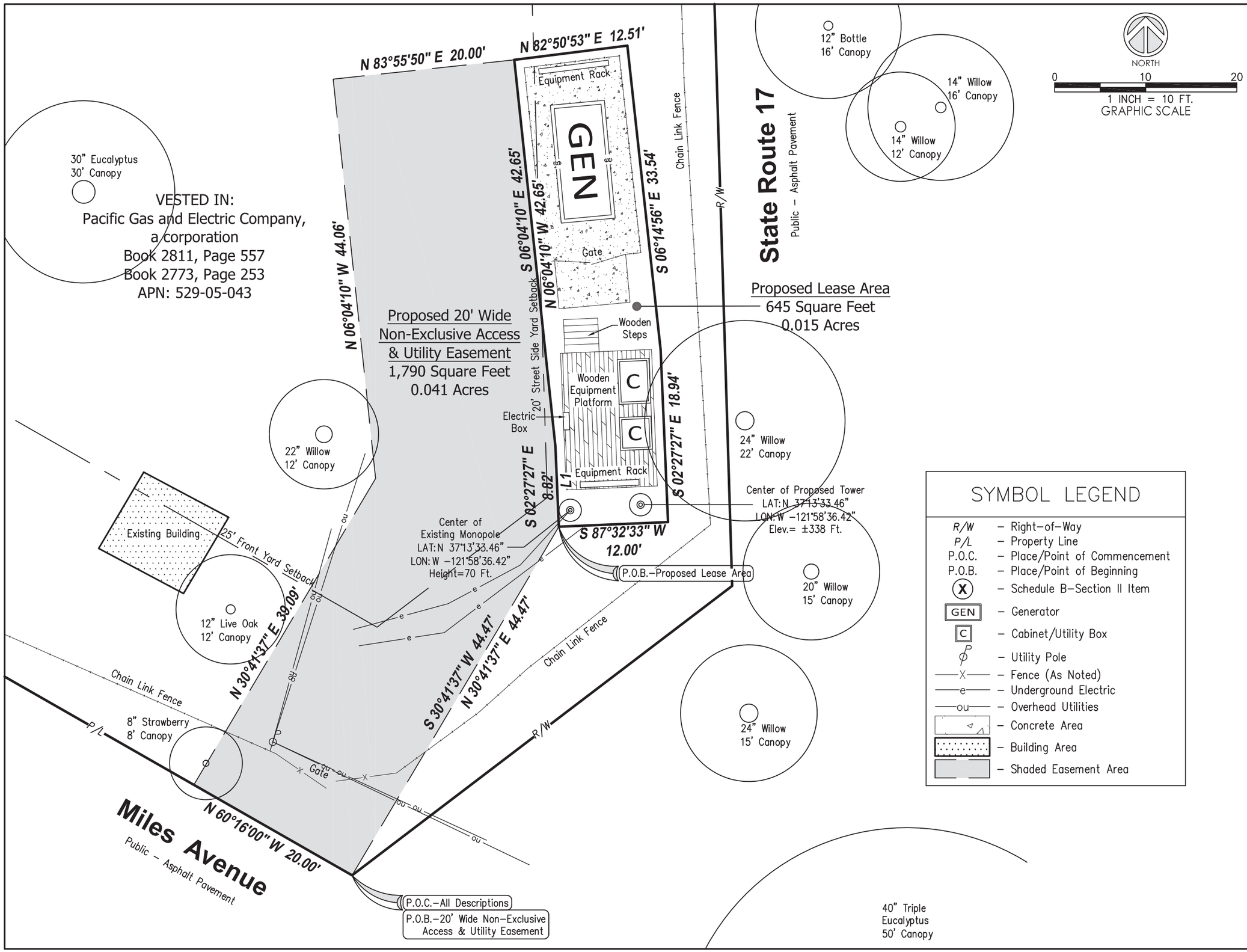
SBA Towers IX, LLC
8051 Congress Avenue
Boca Raton, FL 33487-1307

CERTA TOWER SERVICES LLC
2926 State Road, #135
Cuyahoga Falls, OH 44223-1244
330.295.3673
orders@certasite.com
www.certasite.com

BCP-3D Inc.
Land Services • BIM • Permitting
997 Embarcadero Dr. Ste 102
El Dorado Hills, CA 95762
888.791.5520
www.bcp3d.net

Note: This survey does not represent a boundary survey of the parent parcel.

Drawn By: DLV | Scale: 1"=50'
Date: 06.03.26 | Sheet: 2 of 3
Certa Project No. 2563



SYMBOL LEGEND

R/W	– Right-of-Way
P/L	– Property Line
P.O.C.	– Place/Point of Commencement
P.O.B.	– Place/Point of Beginning
(X)	– Schedule B–Section II Item
GEN	– Generator
C	– Cabinet/Utility Box
	– Utility Pole
—X—	– Fence (As Noted)
—e—	– Underground Electric
—ou—	– Overhead Utilities
	– Concrete Area
	– Building Area
	– Shaded Easement Area

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Note: This survey does not represent a boundary survey of the parent parcel.

Drawn By: DLV | Scale: 1"=10'
Date: 06.03.26 | Sheet: 3 of 3
Certa Project No. 2563

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