



Real Estate Assets City Consent Application

For installation / modification of Telecommunication antenna facility on City owned property

5/5/2020

Date

The City of San Diego
Real Estate Assets Department
1200 Third Avenue, Suite 1700
San Diego, California 92101

RE: Site Name: University Community Library Project # _____
Site Address: 4155 Governor Drive, SD 92122, San Diego (the "Property")
Agreement: Agreement dated 2/27/2019 (the "agreement") between The City of San Diego ("City") and Verizon Wireless (VAW) LLC, ("Lessee" or "Permittee").

Verizon Wireless is seeking Consent from the City to perform the following to the above
Applicants Name/Carrier
referenced site:

- ☒ Modify, upgrade or changes to existing equipment or Site as describe in the attached plans / photos.
- ☐ Installation of a New Wireless Communication Facility on City owned property.
- ☐ Apply for new Permit/New Agreement on existing facility - **NO** modifications or changes to Existing equipment or site.

Describe proposed project below:

Upgrade of Verizon equipment on their tower - see attached

Remove - Six (6) Antennas
Three (3) RRUS
One (1) Raycap

Add - Six (6) Antennas
Six (6) RRUS
One (1) Raycap

Retain - Six (6) Antennas

Pursuant to Improvements and Alterations, section of the above referenced agreement, "Lessee / Permittee shall not construct any improvements, structures or installations of the Premises or make any alterations to the Premises (with the exception of equipment replacement or repairs) without City's prior written approval."

In order to comply with such requirements, Verizon Wireless would like to request City's consent to submit to Development Services Department for review of the proposed items above.

Sincerely, Ken Weingartner, agent for Verizon Wireless

Applicant Signature: Ken Weingartner

Digitally signed by Ken Weingartner
DN: cn=Ken Weingartner, o=ou, email=ken.weingartner@securo-
ds.com, c=US
Date: 2019.05.23 10:38:21 -0700

☐ A one-time, **non-refundable Processing Fee** (\$4,920 for long term agreements - \$980 for Short term or ROE Permits) payable to City Treasures, MUST be paid at the time of application. This fee applies even if the agreement is never executed.

City Library Department has provided its consent and approval to allow applicant to submit application for Required Permits needed for the proposed items listed herein, **with the understanding that the Department will be allowed to review the improvement plans prior to any permits being issued** and that a pre-construction meeting will be conducted with staff before any work begins, if required.

5-12-20

Curtis Williams/II Program Manager

Curtis Williams

Digitally signed by Curtis Williams
Date: 2020.05.12 10:48:39 -0700

Date

Print Name & Title

Signature

City of San Diego, acknowledgement and consent for University Community Library

5/12/20

Cybele L. Thompson, Director, READ

Site Location

Date

Print Name & Title

Signature

For READ ONLY

☐
☒
☐

Approved and Stamped plans received and attached
Scan as Amendment to Agreement when executed
Processing fee received



Real Estate Assets

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

- 2019 CALIFORNIA BUILDING CODE
- 2019 CALIFORNIA TITLE 24
- 2019 CALIFORNIA FIRE CODE
- 2019 CALIFORNIA RESIDENTIAL CODE
- 2019 CALIFORNIA ENERGY CODE
- 2019 CALIFORNIA PLUMBING CODE
- 2019 CALIFORNIA MECHANICAL CODE
- 2019 CALIFORNIA ELECTRIC CODE
- ANS/ISA-222-H OR LATEST EDITION
- LOCAL CODES AND AMENDMENTS

THIS WIRELESS COMMUNICATION FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES.

APPLICANT: _____ **PROPERTY CONTACT:** _____

Verizon
15505 SAND CANYON AVE.
BUILDING 'D' 1st FLOOR
IRVINE, CA 92618
PHONE: (949) 286-7000

PROPERTY OWNER:
CITY OF SAN DIEGO
1200 THIRD AVENUE SUITE 1700
SAN DIEGO, CA 92101

SITE ADDRESS:
4155 GOVERNOR DRIVE
SAN DIEGO, CA 82122

SITE PARCEL NUMBER:
348-112-10

JURISDICTION:
CITY OF SAN DIEGO

ZONING:
CC-1-3

EXISTING TYPE OF CONSTRUCTION
EXISTING LIBRARY V-A (UN-SPRINKLERED)

LATITUDE AND LONGITUDE:
N 32° 51' 13.70", W 117° 12' 03.27"

VERIZON RFDS TAB: 02/12/2020

- (9) (E) ANTENNAS TO BE REMOVED @ ANTENNA AREA 2 (2 PER SECTOR)
- NEW ANTENNAS TO BE INSTALLED @ ANTENNA AREA 2 (2 PER SECTOR)
- (3) NEW DUAL MOUNT BRACKETS @ ANTENNA AREA 1 (1 PER SECTOR)
- (6) RRUS TO BE REMOVED @ ANTENNA AREA 1 (1 PER SECTOR)
- (6) NEW RRUS TO BE INSTALLED @ ANTENNA AREA 2 (2 PER SECTOR)
- (E) 3315 RAYCAPS TO BE REMOVED (1 @ ANTENNA AREA 1 & 1 @ EQUIPMENT AREA)
- (E) 3327 RAYCAPS TO BE INSTALLED @ ANTENNA AREA 1 & 1 @ EQUIPMENT AREA
- (E) (E) L2E CABINET TO BE REMOVED @ EQUIPMENT AREA
- (E) NEW CLIMATE CONTROLLED TELCO CABINET TO BE INSTALLED @ EQUIPMENT AREA
- (E) 3315 HANGING CABLES TO BE REMOVED @ EQUIPMENT AREA

OVERALL FACILITY HEIGHT AND EXISTING EQUIPMENT LEASE AREA WILL REMAIN UNCHANGED

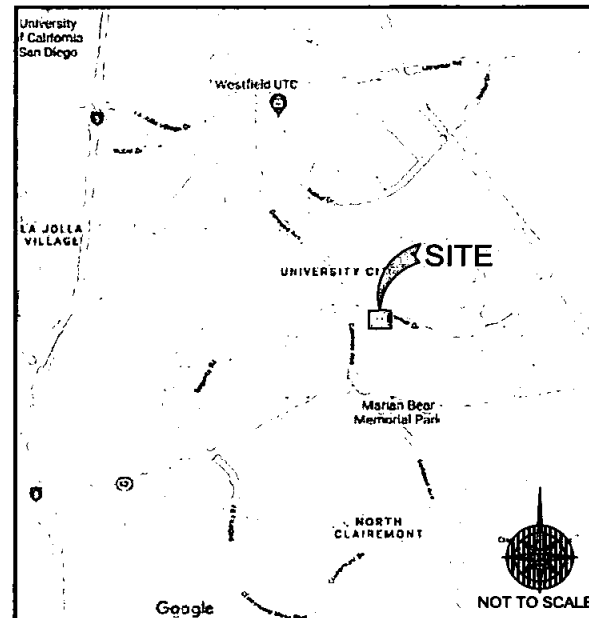
EXISTING ANTENNAS: 12	FINAL ANTENNAS: 12
EXISTING RRUS: 3	FINAL RRUS: 6
EXISTING RAYCAP: 1	FINAL RAYCAP: 1
EXISTING MICROWAVE DISH: 1	FINAL MICROWAVE DISH: 1

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, HANDICAP ACCESS REQUIREMENT(S) DO NOT APPLY

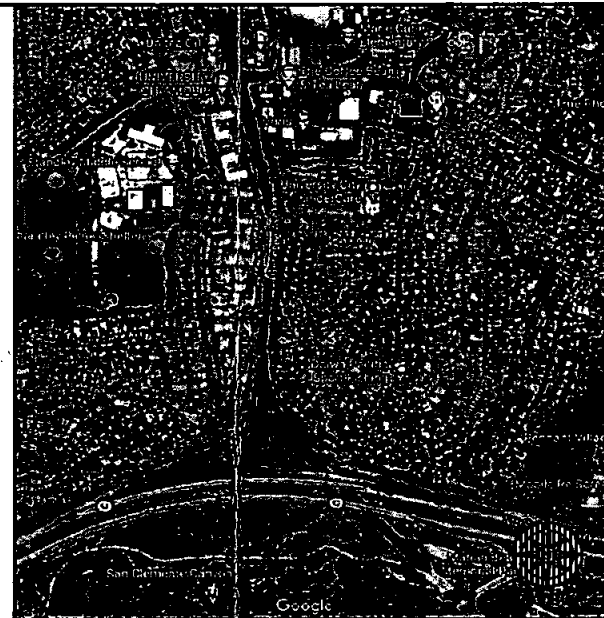
ARCHITECTURE:
TECHNOLOGY ASSOCIATES EC, INC
2657 CAMINO DEL RIO SOUTH, STE 205
SAN DIEGO, CA 92108
CONTACT: STEVEN VANDENBERG
OFFICE: (858) 300-2348 ext.1542
EMAIL: steven.vandenberg@taec.net

SITE ACQUISITION:
SEQUOIA DEPLOYMENT SERVICES, INC.
 1 SPECTRUM POINTE DR., SUITE 130
 LAKE FOREST, CA 92630
CONTACT: KEN WEINGARTNER
MOBILE: (949) 310-1582
EMAIL: ken.weingartner@sequoia-ds.com

BENHURST
4155 GOVERNOR DRIVE
SAN DIEGO, CA 92122
850 ADD



VICINITY MAP



LOCAL MAP

STARTING FROM 15505 SAND CANYON AVENUE, BUILDING D, IRVINE, CA 92618

1. HEAD NORTHEAST TOWARD VALLEY OAK DR
2. TURN LEFT TOWARD VALLEY OAK DR
3. TURN RIGHT AT THE 1ST CROSS STREET ONTO VALLEY OAK DR
4. TURN RIGHT AT THE 2ND CROSS STREET ONTO IRVINE CENTER DR
5. USE THE LEFT 2 LANES TO TURN LEFT ONTO SAND CANYON AVE
6. TURN RIGHT TO MERGE ONTO I-5 S
7. MERGE ONTO I-5 S
8. KEEP LEFT AT THE FORK TO CONTINUE ON I-805 S, FOLLOW SIGNS FOR INTERSTATE 805 S
9. TAKE EXIT 24 FOR GOVERNOR DR
10. TURN RIGHT ONTO GOVERNOR DR
11. TURN LEFT ONTO AGEE ST
12. PASS BY CARL'S JR (ON THE RIGHT)
13. TURN RIGHT
14. TURN RIGHT
15. DESTINATION WILL BE ON THE RIGHT

APPROVAL	SIGNATURE	DATE
VERIZON REPRESENTATIVE		
VERIZON RF ENGINEER		
SITE ACQUISITION		
VERIZON CONSTRUCTION MANAGER		
SITE OWNER		

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS NEW.

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

[illegible]

Know what's below.
CALL before you dig.

**CALL AT LEAST TWO WORKING
DAYS BEFORE YOU DIG**



15505 SAND CANYON AVE.
BUILDING 'D' 1st FLOOR
IRVINE, CA 92618



1 SPECTRUM POINTE DR., SUITE 130
LAKE FOREST, CA 92630



SAN DIEGO MARKET OFFICE
2667 CAMINO DEL RIO SOUTH, STE 205
SAN DIEGO, CA 92108
(858) 300-2346

A	03/18/2020	90% CONSTRUCTION	JRB
REV	DATE	DESCRIPTION	BY

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.

BENHURST
4155 GOVERNOR DRIVE
SAN DIEGO, CA 92122

MONOPINE

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1

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

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GENERAL NOTES

- THIS FACILITY IS EXEMPT FROM HANDICAP REQUIREMENTS PER 2019 CBC SECTION 11B-203.5. THIS FACILITY IS NON-OCCUPIABLE SPACE AND ENTERED ONLY BY SERVICE PERSONNEL. THIS SPACE IS NOT FOR HUMAN OCCUPANCY.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING HIS BID. ANY DISCREPANCIES, CONFLICTS OR OMISSIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO SUBMITTING BIDS, AND PROCEEDING WITH ANY WORK.
- THE CONTRACTOR SHALL NOTIFY ENGINEER OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES AS THEY MAY BE DISCOVERED IN THE PLANS, SPECIFICATIONS, & NOTES PRIOR TO STARTING CONSTRUCTION, INCLUDING BUT NOT LIMITED BY DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERRORS, OMISSION, OR INCONSISTENCY AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER AND SHALL INCUR ANY EXPENSES TO RECTIFY THE SITUATION. THE METHOD OF CORRECTION SHALL BE APPROVED BY THE ARCHITECT OR THE ENGINEER RESPONSIBLE OF THE PROJECT.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR OR SUBCONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGE TO THE UTILITIES CAUSED DURING THE EXECUTION OF THE WORK. CONTACT USA DIG ALERT @ 800-227-2600
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO PROPOSED OR EXISTING SURFACES, STRUCTURES OR EQUIPMENT SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE PROPERTY OWNER. THE CONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGED AREAS.
- A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORMATION AS THE APPROVED PLANS. THE CONTRACTOR SHALL ALSO MAINTAIN ONE SET OF PLANS AT THE SITE FOR THE PURPOSE OF DOCUMENTING ALL AS-BUILT CHANGES, REVISIONS, ADDENDA, OR CHANGE ORDERS. THE CONTRACTOR SHALL FORWARD THE AS-BUILT/THIRD DRAWINGS TO THE ARCHITECT OR THE ENGINEER RESPONSIBLE OF THE PROJECT AT THE CONCLUSION OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE THE WORK IS IN PROGRESS UNTIL THE JOB IS COMPLETE.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER, AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER OR GOVERNING AGENCY.
- ALL CONSTRUCTION THROUGH THE PROJECT SHALL CONFORM TO THE LATEST C.B.C. AND ALL OTHER GOVERNING CODES, INCLUDING THE CALIFORNIA ADMINISTRATIVE CODES TITLE 8, 19, AND 24. THE MOST RESTRICTIVE CODE SHALL GOVERN.
- THE CONTRACTOR AND SUBCONTRACTOR SHALL COMPLY WITH ALL LOCAL AND STATE REGULATIONS INCLUDING ALL OSHA REQUIREMENTS.
- WHEN REQUIRED STORAGE OF MATERIALS OCCURS, THEY SHALL BE EVENLY DISTRIBUTED OVER THE FLOOR OR ROOF SO AS NOT TO EXCEED THE DESIGNED LIVE LOADS FOR THE STRUCTURE. TEMPORARY SHORING OR BRACING SHALL BE PROVIDED WHERE THE STRUCTURE OR SOIL HAS NOT ATTAINED THE DESIGN STRENGTH FOR THE CONDITIONS PRESENT.
- THE CONTRACTOR SHALL SUPERVISE AND COORDINATE ALL WORK, USING HIS PROFESSIONAL KNOWLEDGE AND SKILLS. HE IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCING AND COORDINATING ALL PORTIONS OF THE WORK UNDER THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS WITH RESPECT TO THE WORK TO COMPLETE THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE FILED BY THE OWNER OR AUTHORIZED AGENT. CONTRACTOR SHALL OBTAIN THE PERMIT AND MAKE FINAL PAYMENT OF SAID DOCUMENT.
- ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE. DRAWINGS ARE NOT TO BE SCALED UNDER ANY CIRCUMSTANCES.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR SUPPORTS FOR INSTALLATION OF ITEMS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL PROVIDE THE FIRE MARSHALL WITH U.L. APPROVED MATERIALS TO FILL/SEAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.
- PROPOSED CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR EXCEPT AS NOTED IN THE PLANS.
- THE CONTRACTOR IS TO PROVIDE PORTABLE FIRE EXTINGUISHERS HAVING A MINIMUM 2A-10B:C RATING WITHIN 75FT. OF TRAVEL TO ALL PORTIONS OF THE CONSTRUCTION AREA. (2019 CFC SECTION 906-1-1 & 7 AND SECTION 906.3.1)
- MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR APPROVING THE RESULTS.
- ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.
- ALL DEBRIS AND REFUSE IS TO BE REMOVED FROM THE PROJECT. PREMISES SHALL BE LEFT IN A CLEAN BROOM FINISHED CONDITION AT ALL TIMES.
- BUILDING INSPECTORS AND/OR OTHER BUILDING OFFICIALS ARE TO BE NOTIFIED PRIOR TO ANY GRADING AND CONSTRUCTION EFFORT AS MANDATED BY THE GOVERNING AGENCY.
- ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY STANDARDS. IF A CONTRACTOR HAS A QUESTION REGARDING THEIR EXACT MEANING THE ARCHITECT OR THE ENGINEER RESPONSIBLE OF THE PROJECT SHALL BE NOTIFIED FOR CLARIFICATIONS.
- SITE CONTRACTOR TO CALL DIG ALERT (1-800-227-2600) TO LOCATE ANY AND ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION
- ALL FACILITIES TO BE INSTALLED ARE UNMANNED. NO (E) PARKING SPACES WILL BE USED OR REMOVED BY THIS PROJECT.
- PRIOR TO THE ISSUANCE OF ANY CONSTRUCTION PERMITS, THE APPLICANT SHALL INCORPORATE ANY CONSTRUCTION BEST MANAGEMENT PRACTICES NECESSARY TO COMPLY WITH THE CITY'S MUNICIPAL CODE INTO THE CONSTRUCTION PLANS OR SPECIFICATIONS.
- PRIOR TO THE ISSUANCE OF ANY CONSTRUCTION PERMITS, THE APPLICANT SHALL SUBMIT A WATER POLLUTION CONTROL PLAN (WPCP). THE WPCP SHALL BE PREPARED IN ACCORDANCE WITH THE GUIDELINES IN APPENDIX E OF THE CITY'S STORM WATER STANDARDS.
- THIS PROJECT PROPOSES NO DEVELOPMENT IMPROVEMENTS OUTSIDE THE EXISTING BUILDING FOOTPRINT FOR THIS DISCRETIONARY REVIEW AND THEREFORE DOES NOT REQUIRE ANY PERMANENT STORM WATER BEST MANAGEMENT PRACTICES.
- THIS IS ROOFTOP INSTALLATION ON AN EXISTING FACILITY AND NO GROUND DISTURBANCE OR TRENCHING IS PROPOSED BY THIS PROJECT.
- THIS PROJECT PROPOSES NO WORK WITHIN THE PUBLIC RIGHT-OF-WAY.

STORM WATER QUALITY NOTES CONSTRUCTION BMPs:

THIS PROJECT SHALL COMPLY WITH ALL REQUIREMENTS OF THE STATE PERMIT; CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD.

NOTES 1-6 BELOW REPRESENT KEY MINIMUM REQUIREMENTS FOR CONSTRUCTION BMPs.

- SUFFICIENT BMPs MUST BE INSTALLED TO PREVENT SILT, MUD OR OTHER CONSTRUCTION DEBRIS FROM BEING TRACKED INTO THE ADJACENT STREET(S) OR STORM WATER CONVEYANCE SYSTEMS DUE TO CONSTRUCTION VEHICLES OR ANY OTHER CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ANY SUCH DEBRIS THAT MAY BE IN THE STREET AT THE END OF EACH WORK DAY OR AFTER A STORM EVENT THAT CAUSES A BREACH IN THE INSTALLED CONSTRUCTION BMPs.
- ALL STOCK PILES OF UNCOMPACTED SOIL AND/OR BUILDING MATERIALS THAT ARE INTENDED TO BE LEFT UNPROTECTED FOR A PERIOD GREATER THAN SEVEN CALENDER DAYS ARE TO BE PROVIDED WITH EROSION AND SEDIMENT CONTROLS, SUCH SOIL MUST BE PROTECTED EACH DAY WHEN THE PROBABILITY OF RAIN IS 40% OR GREATER.
- A CONCRETE WASHOUT SHALL BE PROVIDED ON ALL PROJECTS WHICH PROPOSE THE CONSTRUCTION OF ANY CONCRETE IMPROVEMENTS THAT ARE TO BE POURED IN PLACE ON THE SITE.
- ALL EROSION/SEDIMENT CONTROL DEVICES SHALL BE MAINTAINED IN WORKING ORDER AT ALL TIMES.
- ALL SLOPES THAT ARE CREATED OR DISTURBED BY CONSTRUCTION ACTIVITY MUST BE PROTECTED AGAINST EROSION AND SEDIMENT TRANSPORT AT ALL TIMES.
- THE STORAGE OF ALL CONSTRUCTION MATERIALS AND EQUIPMENT MUST BE PROTECTED AGAINST ANY POTENTIAL RELEASE OF POLLUTANTS INTO THE ENVIRONMENT.

GENERAL FIRE NOTES:

- BUILDINGS UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION SHALL BE IN ACCORDANCE WITH 2019 CFC CHAPTER 33 AND ALL GOVERNING CODES.
- ADDRESS SHALL BE PROVIDED FOR ALL PROPOSED AND EXISTING BUILDINGS IN A POSITION AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. (2019 CFC SECTION 505.1)
- DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION. (2019 CFC SECTION 807.3)
- PORTABLE FIRE EXTINGUISHERS: AT LEAST ONE FIRE EXTINGUISHER WITH A MINIMUM RATING OF 2-A-10B:C SHALL BE PROVIDED WITHIN 75 FEET MAXIMUM TRAVEL DISTANCE FOR EACH 6,000 SQUARE FEET OR PORTION THEREOF ON EACH FLOOR. (2019 CFC SECTION 906.1.1 & 7 AND SECTION 906.3.1)

GENERAL NOTES

3

ABBREVIATION

DEFINITION

A.B.	ANCHOR BOLT
ABV.	ABOVE
ACCA	ANTENNA CABLE COVER ASSEMBLY
ADDL.	ADDITIONAL
A.F.F.	ADDITIONAL FINISHED FLOOR
A.F.G.	ADDITIONAL FINISHED GRADE
ALUM.	ALUMINUM
ALT.	ALTERNATE
ANT.	ANTENNA
APPRX.	APPROXIMATE(LY)
ARCH.	ARCHITECT(URAL)
AWG.	AMERICAN WIRE GAUGE
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
B.N.	BOUNDARY NAILING
BTOW.	BARE TINNED COPPER WIRE
B.O.F.	BOTTOM OF FOOTING
BAJ	BACK-UP CABINET
CAB.	CABINET
CANT.	CANTILEVER(ED)
C.I.P.	CAST IN PLACE
CLG.	CEILING
CLR.	CLEAR
INT.	INTERIOR
CONC.	CONCRETE
CONN.	CONNECTION(OR)
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
d	PENNY (NAILS)
DBL.	DOUBLE
DEPT.	DEPARTMENT
D.F.	DOUGLAS FIR
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DWG.	DRAWING(S)
DWL.	DOWEL(S)
EA.	EACH
ELEC.	ELEVATION
ELEV.	ELECTRICAL
EMT.	ELEVATOR
E.N.	ELECTRICAL METALLIC TUBING
ENG.	EDGE NAIL
EQ.	ENGINEER
EXP.	EQUAL
(E)	EXPANSION
EXT.	EXISTING
	EXTERIOR

ABBREVIATION

DEFINITION

FAB.	FABRICATION(OR)
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
FIN.	FINISHED
FLR.	FLOOR
FDN.	FOUNDATION
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
F.S.	FINISH SURFACE
FT.(F)	FOOT(FEET)
FTG.	FOOTING
G.	GROWTH (CABINET)
GA.	GAUGE
GI.	GALVANIZE(D)
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER
GLB.(GLU-LAM)	GLUE LAMINATED BEAM
GPS	GLOBAL POSITIONING SYSTEM
GRND.	GROUND
HDR.	HEADER
HGR.	HANGER
HT.	HEIGHT
ICGB.	ISOLATED COPPER GROUND BUS
IN.(")	INCH(ES)
INT.	INTERIOR
LB.(#)	LAG BOLTS
L.B.	LAG BOLTS
L.F.	LINEAR FEET (FOOT)
L.	LONGITUDINAL
MAS.	MASONRY
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTL.	METAL
(N)	NEW
NO.(#)	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
(P)	PROPOSED
PCB	PRECAST CONCRETE
PCS	PERSONAL COMMUNICATION SERVICES
PLY.	PLYWOOD
PPC	POWER PROTECTION CABINET
PRC	PRIMARY RADIO CABINET
P.S.F.	POUNDS PER SQUARE FOOT

ABBREVIATION

DEFINITION

P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
PWR.	POWER (CABINET)
QTY.	QUANTITY
RAD.(R)	RADIUS
REF.	REFERENCE
REINF.	REINFORCEMENT(ING)
REQ'D.	REQUIRED
RGS.	RIGID GALVANIZED STEEL
RRU.	RADIO REMOTE UNIT
SCH.	SCHEDULE
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATION(S)
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUC.	STRUCTURAL
TEMP.	TEMPORARY
THK.	THICK(NESS)
TMA.	TOWER MOUNTED AMPLIFIER
T.N.	TOE NAIL
T.O.A.	TOP OF ANTENNA
T.O.C.	TOP OF CURB
T.O.F.	TOP OF FOUNDATION
T.O.P.	TOP OF PLATE (PARAPET)
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.G.	UNDER GROUND
U.L.	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
W.	WIDE(WIDTH)
W/	WITH
WD.	WOOD
W.P.	WEATHERPROOF
WT.	WEIGHT
C	CENTERLINE
E	PLATE

ABBREVIATIONS

1

PROPOSED ANTENNA

EXISTING ANTENNA

GROUND ROD

GROUND BUS BAR

MECHANICAL GRND. CONN.

CADWELD

GROUND ACCESS WELL

ELECTRIC BOX

TELEPHONE BOX

LIGHT POLE

FND. MONUMENT

SPOT ELEVATION

SET POINT

REVISION

GRID REFERENCE

DETAIL REFERENCE

ELEVATION REFERENCE

SECTION REFERENCE

GROUT OR PLASTER

(E) BRICK

(E) MASONRY

CONCRETE

EARTH

GRAVEL

PLYWOOD

SAND

WOOD CONT.

WOOD BLOCKING

STEEL

CENTERLINE

PROPERTY/LEASE LINE

MATCH LINE

WORK POINT

GROUND CONDUCTOR

TELEPHONE CONDUIT

ELECTRICAL CONDUIT (POWER)

COAXIAL CABLE

FIBER

POWER AND FIBER

OVERHEAD SERVICE CONDUCTORS

CHAIN LINK FENCING

WOOD FENCE

OVERHEAD POWER LINE

BURIED POWER LINE

OVERHEAD TELEPHONE LINE

BURIED TELEPHONE LINE

BURIED WATER LINE

BURIED SANITARY SEWER

BURIED STORM DRAIN

verizon

15505 SAND CANYON AVE.
BUILDING 'D' 1st FLOOR
IRVINE, CA 92618



1 SPECTRUM POINTE DR., SUITE 130
LAKE FOREST, CA 92630

Technology Associates

SAN DIEGO MARKET OFFICE
2667 CAMINO DEL RIO SOUTH, STE 205
SAN DIEGO, CA 92108
(858) 300-2346

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BENHURST

4155 GOVERNOR DRIVE
SAN DIEGO, CA 92122

MONOPINE

SHEET TITLE

GENERAL
NOTES

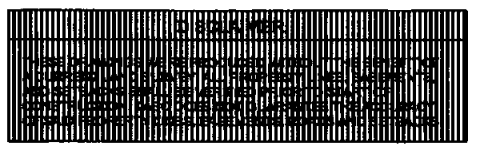
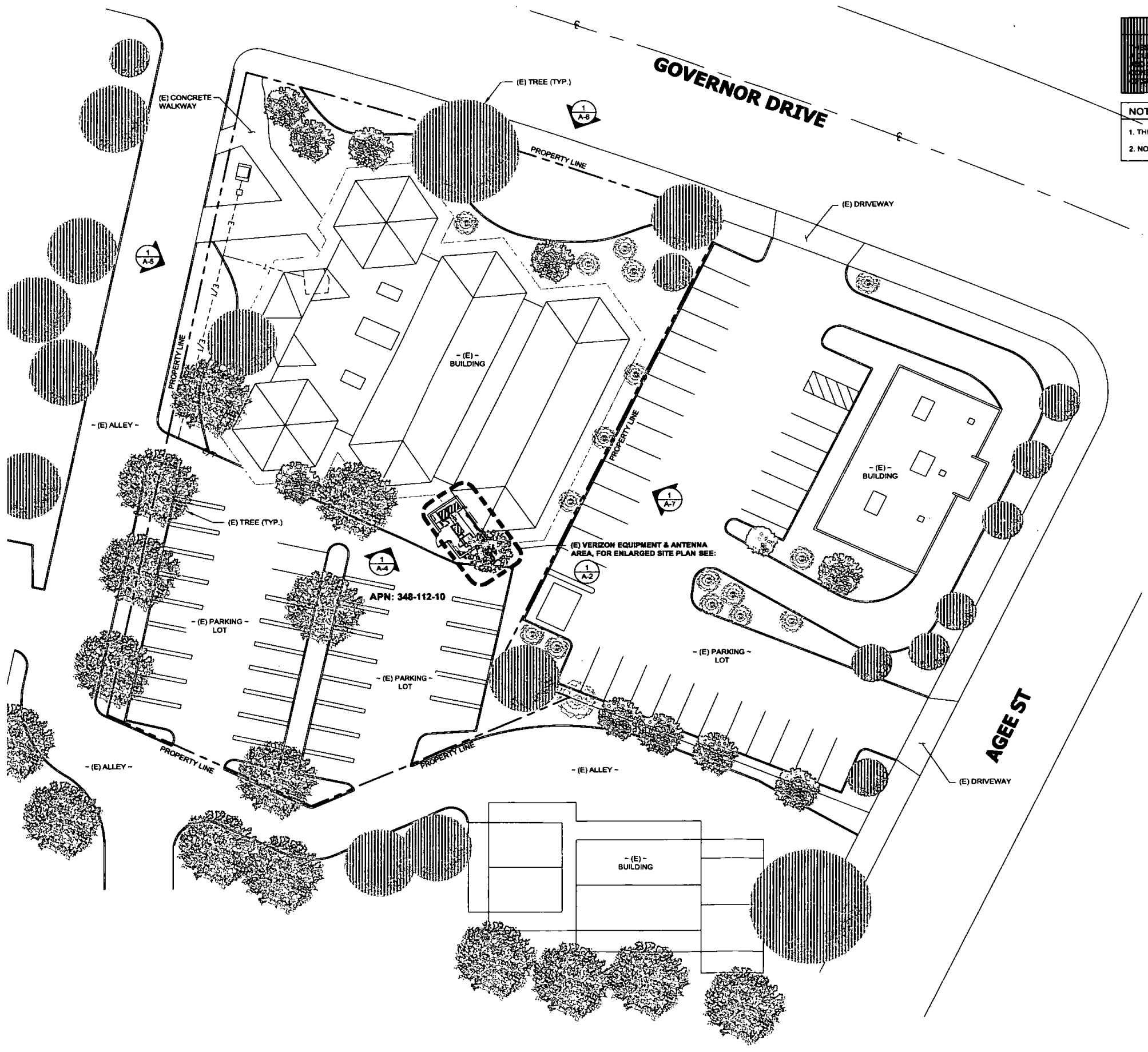
SHEET NUMBER

T-2

2

LEGEND

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



NOTES:
1. THIS PROJECT PROPOSES NO WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
2. NO EXISTING PARKING SPACE WILL BE USED OR REMOVED BY THIS PROJECT.

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15505 SAND CANYON AVE.
BUILDING 'D' 1st FLOOR
IRVINE, CA 92618



1 SPECTRUM POINTE DR., SUITE 130
LAKE FOREST, CA 92630

Technology Associates

SAN DIEGO MARKET OFFICE
2667 CAMINO DEL RIO SOUTH, STE 205
SAN DIEGO, CA 92108
(858) 300-2346

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BENHURST

4155 GOVERNOR DRIVE
SAN DIEGO, CA 92122
MONOPINE

SHEET TITLE

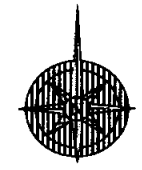
SITE PLAN

SHEET NUMBER

A-1

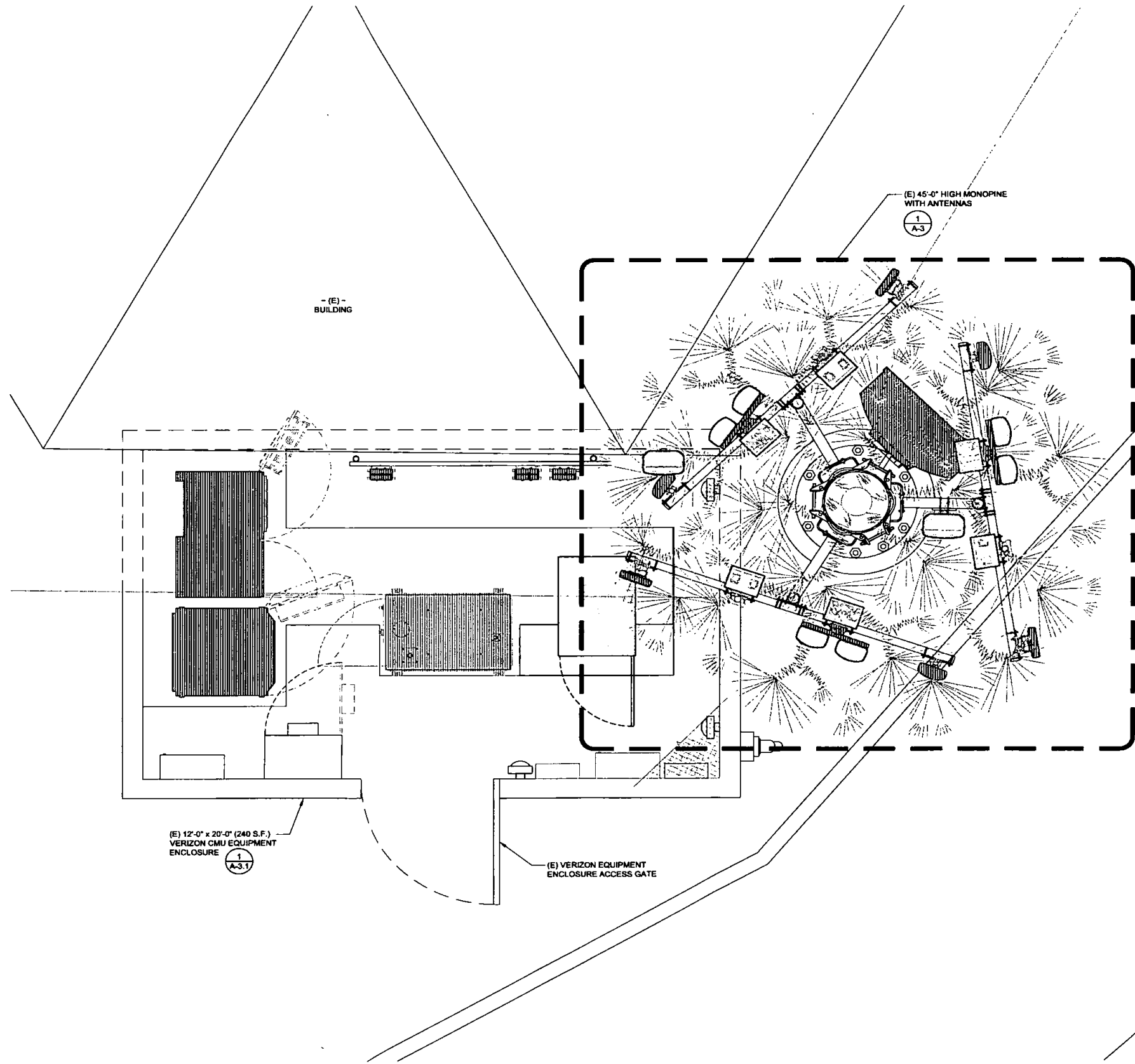
SITE PLAN

20' 0 10' 20' SCALE: 1" = 20'-0" (24x36)
(OR) 1/2" = 20'-0" (11x17)



1

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



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MONOPINE

SHEET TITLE

**ENLARGED
SITE PLAN**

SHEET NUMBER

A-2

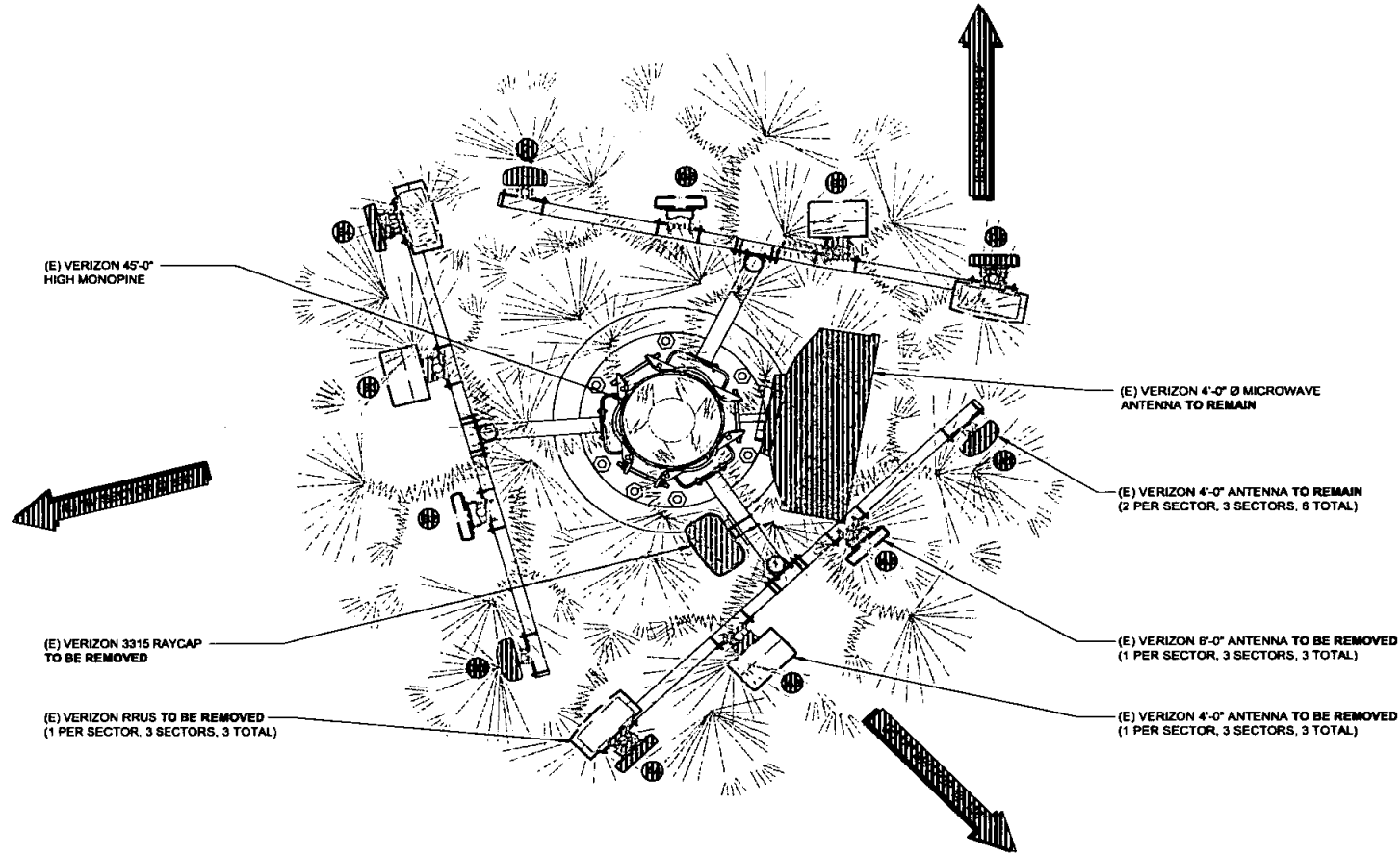
ENLARGED SITE PLAN

0 6" 1' 2'

SCALE: 1/2" = 1'-0" (24x36)
(OR) 1/4" = 1'-0" (11x17)

1

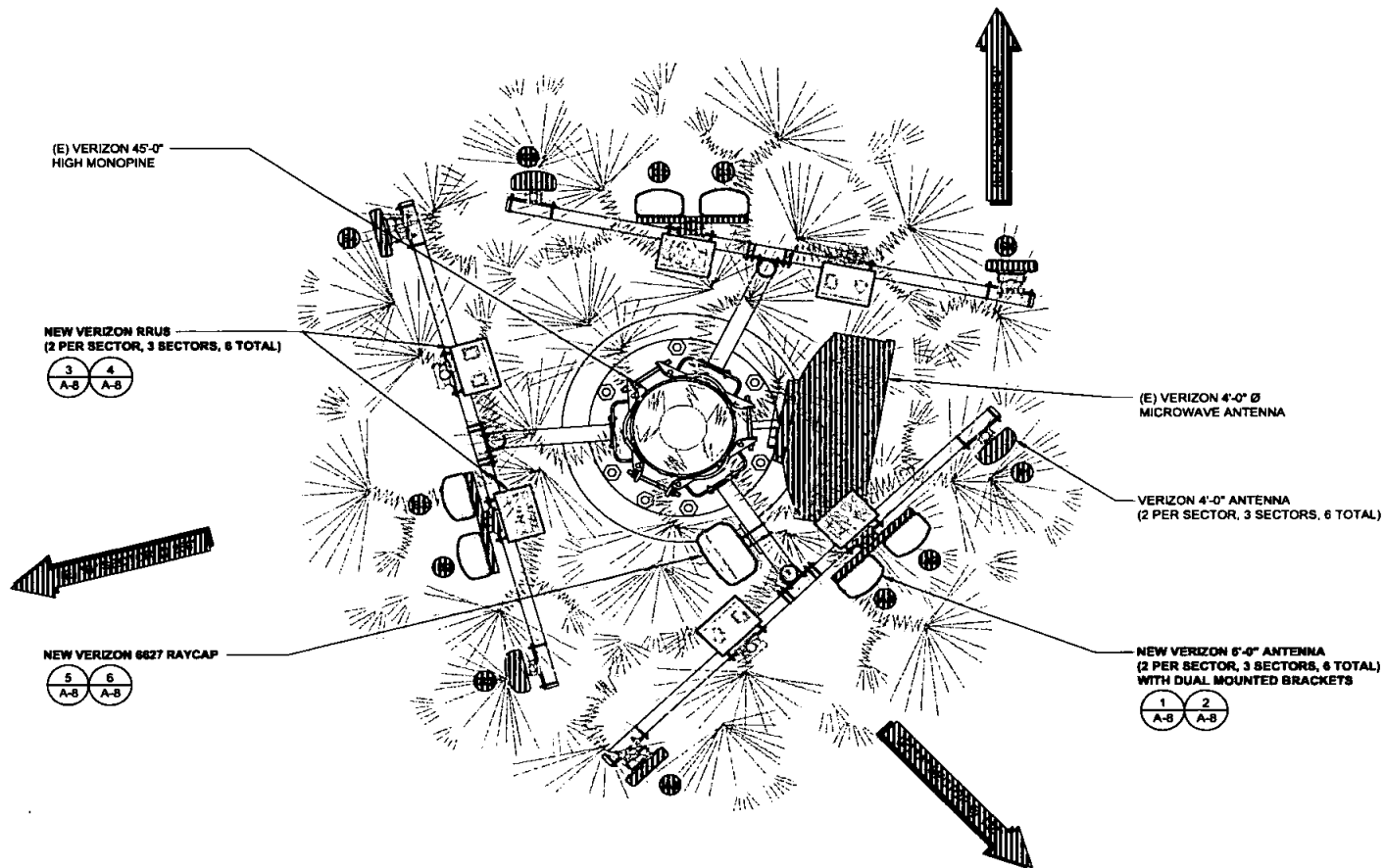
NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE RATIO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES



ANTENNA PLAN (EXISTING)

0 6" 1' 2' SCALE: 1/2" = 1'-0" (24x36)
(OR) 1/4" = 1'-0" (11x17)

1



ANTENNA PLAN (NEW)

0 6" 1' 2' SCALE: 1/2" = 1'-0" (24x36)
(OR) 1/4" = 1'-0" (11x17)

2

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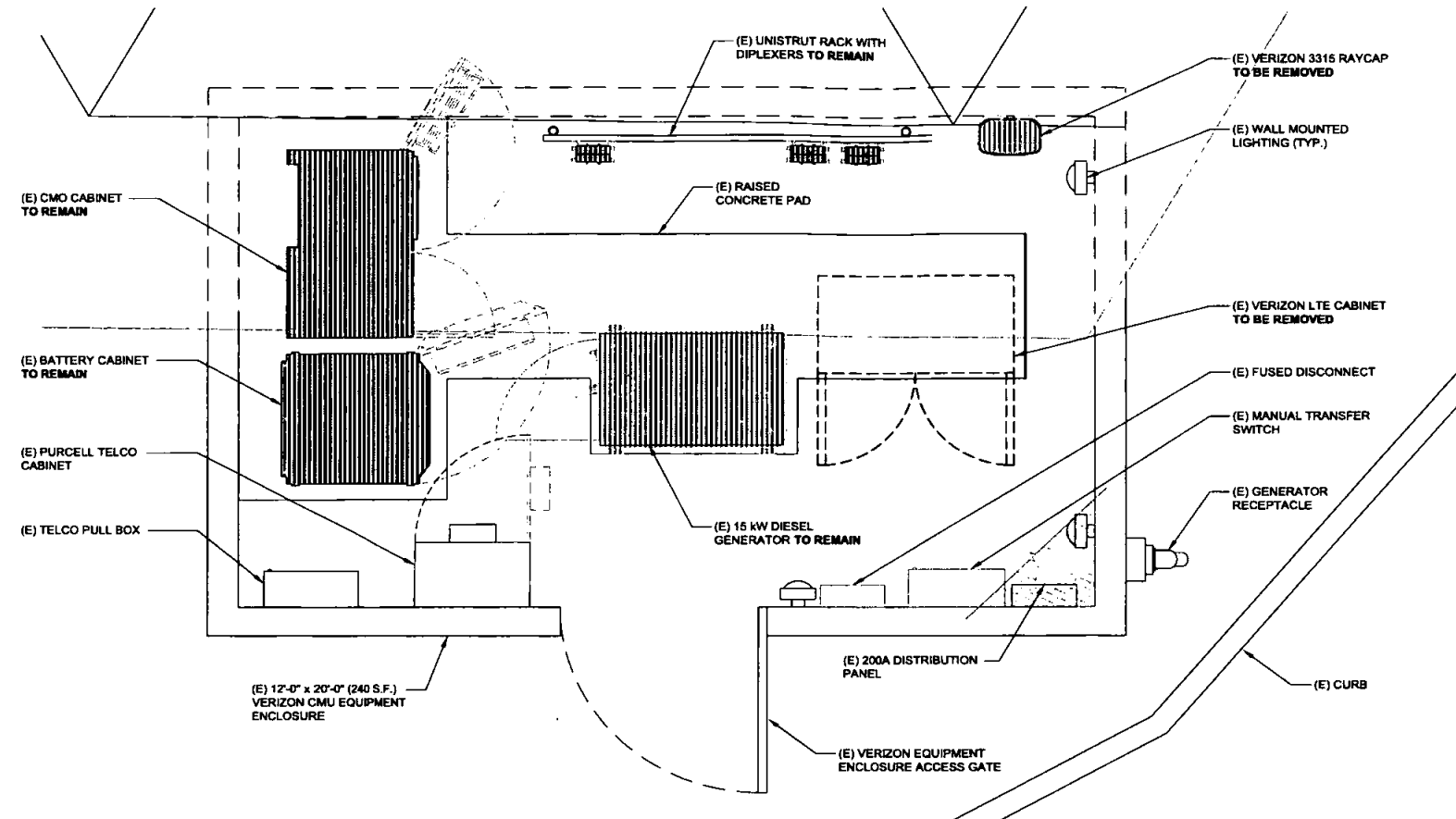
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MONOPINE

SHEET TITLE
ANTENNA
PLAN

SHEET NUMBER
A-3

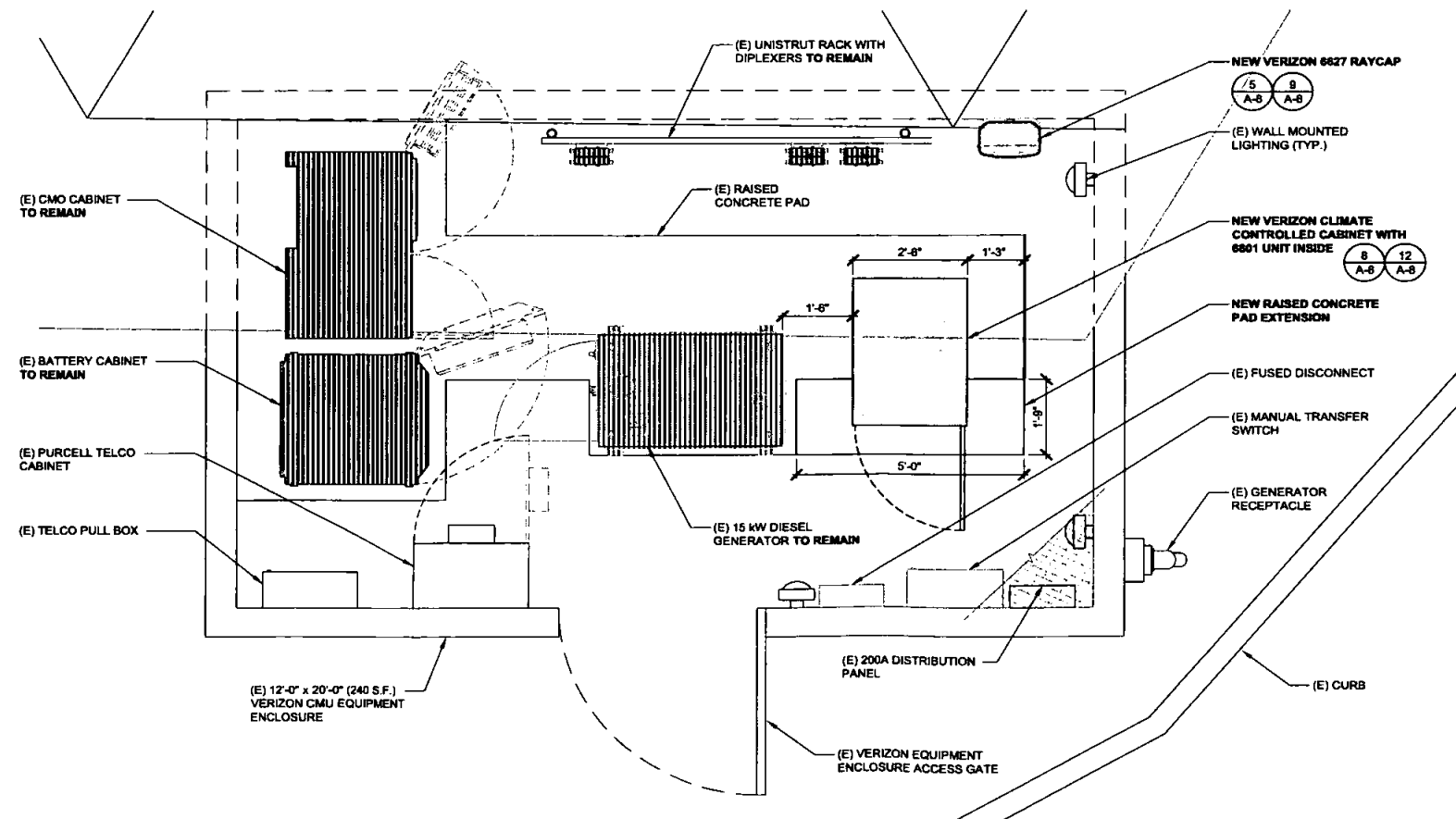
NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 36" X 36". SCALE RATIO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES



EQUIPMENT PLAN (EXISTING)

0 6" 1' 2' SCALE: 1/2" = 1'-0" (24x36)
(OR) 1/4" = 1'-0" (11x17)

1



EQUIPMENT PLAN (PROPOSED)

0 6" 1' 2' SCALE: 1/2" = 1'-0" (24x36)
(OR) 1/4" = 1'-0" (11x17)

2

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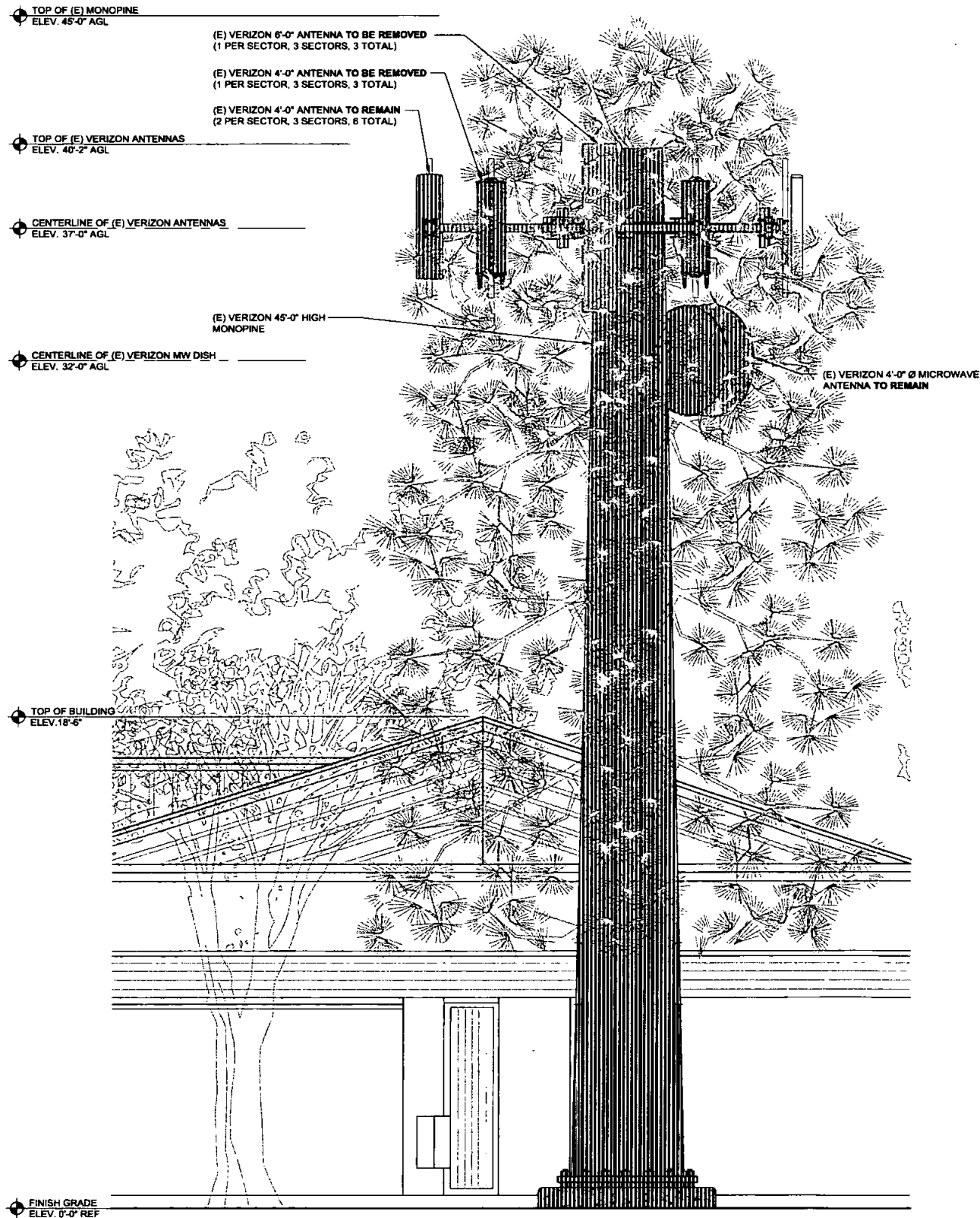
SHEET TITLE

**EQUIPMENT
PLAN**

SHEET NUMBER

A-3.1

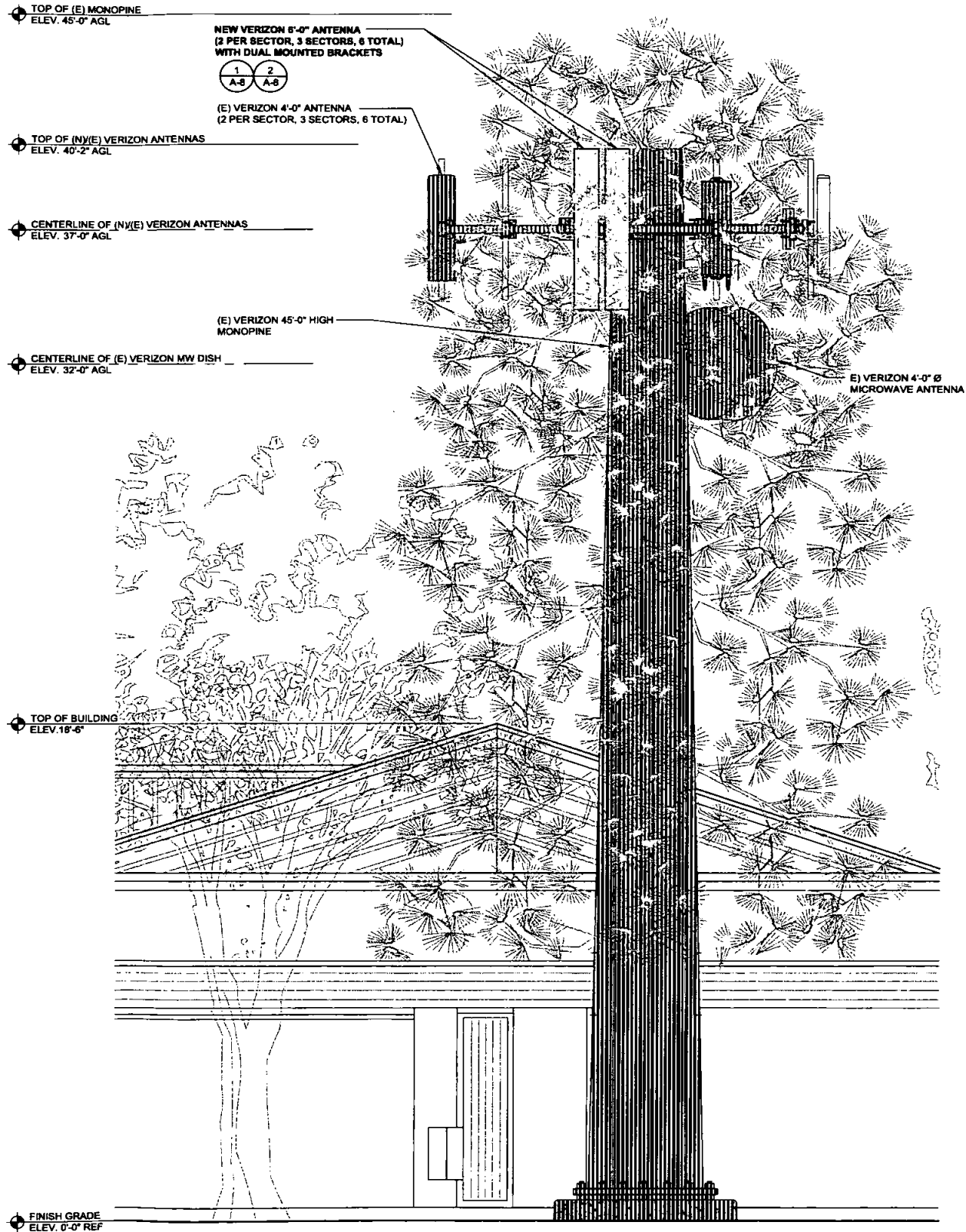
NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE RATIO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES



SOUTH ELEVATION (EXISTING)

0 1' 2' 3' SCALE: 3/8" = 1'-0" (24x36)
(OR) 3/16" = 1'-0" (11x17)

1



SOUTH ELEVATION (NEW)

0 1' 2' 3' SCALE: 3/8" = 1'-0" (24x36)
(OR) 3/16" = 1'-0" (11x17)

2

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REV	DATE	DESCRIPTION	BY

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MONOPINE

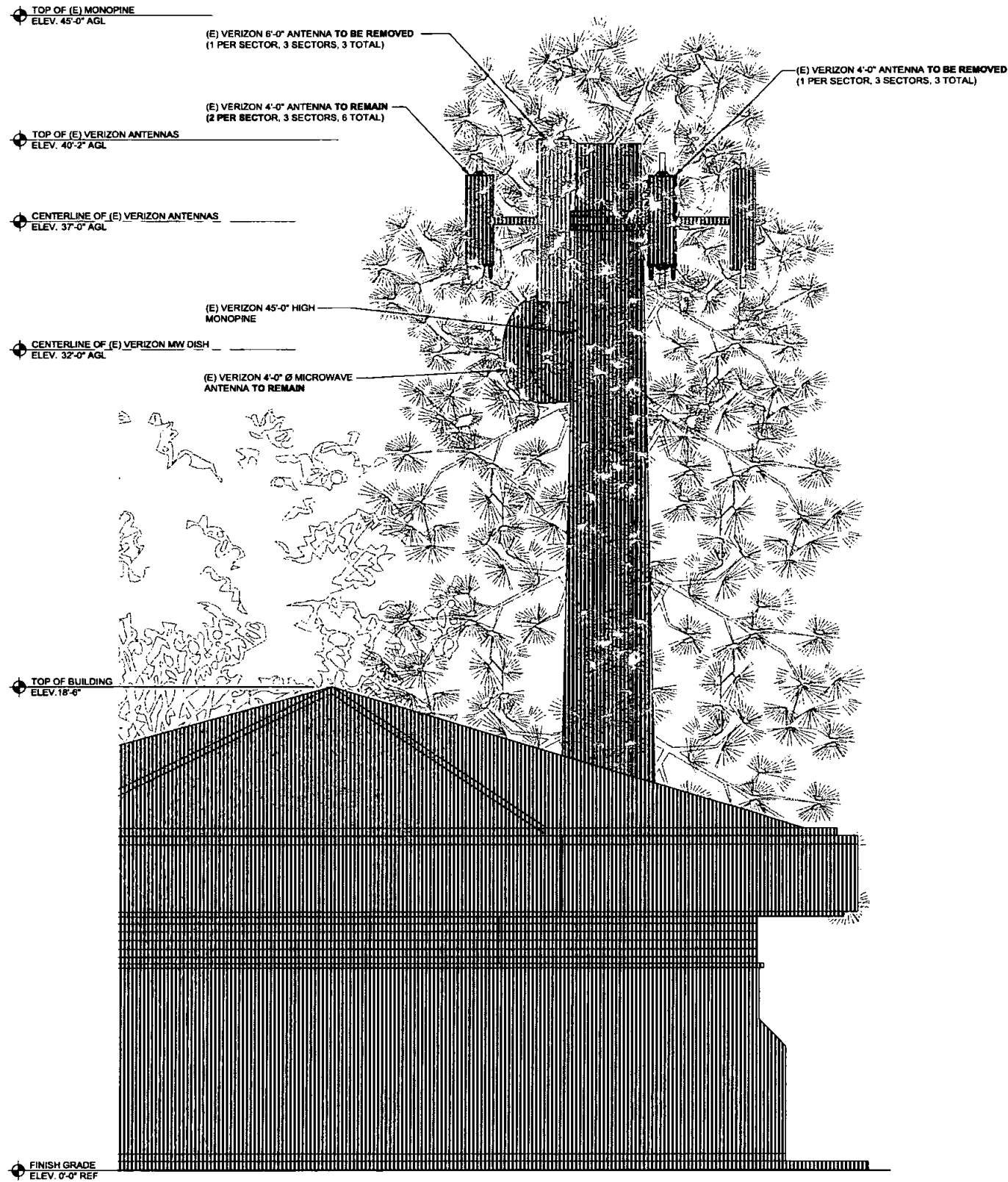
SHEET TITLE

ELEVATIONS

SHEET NUMBER

A-4

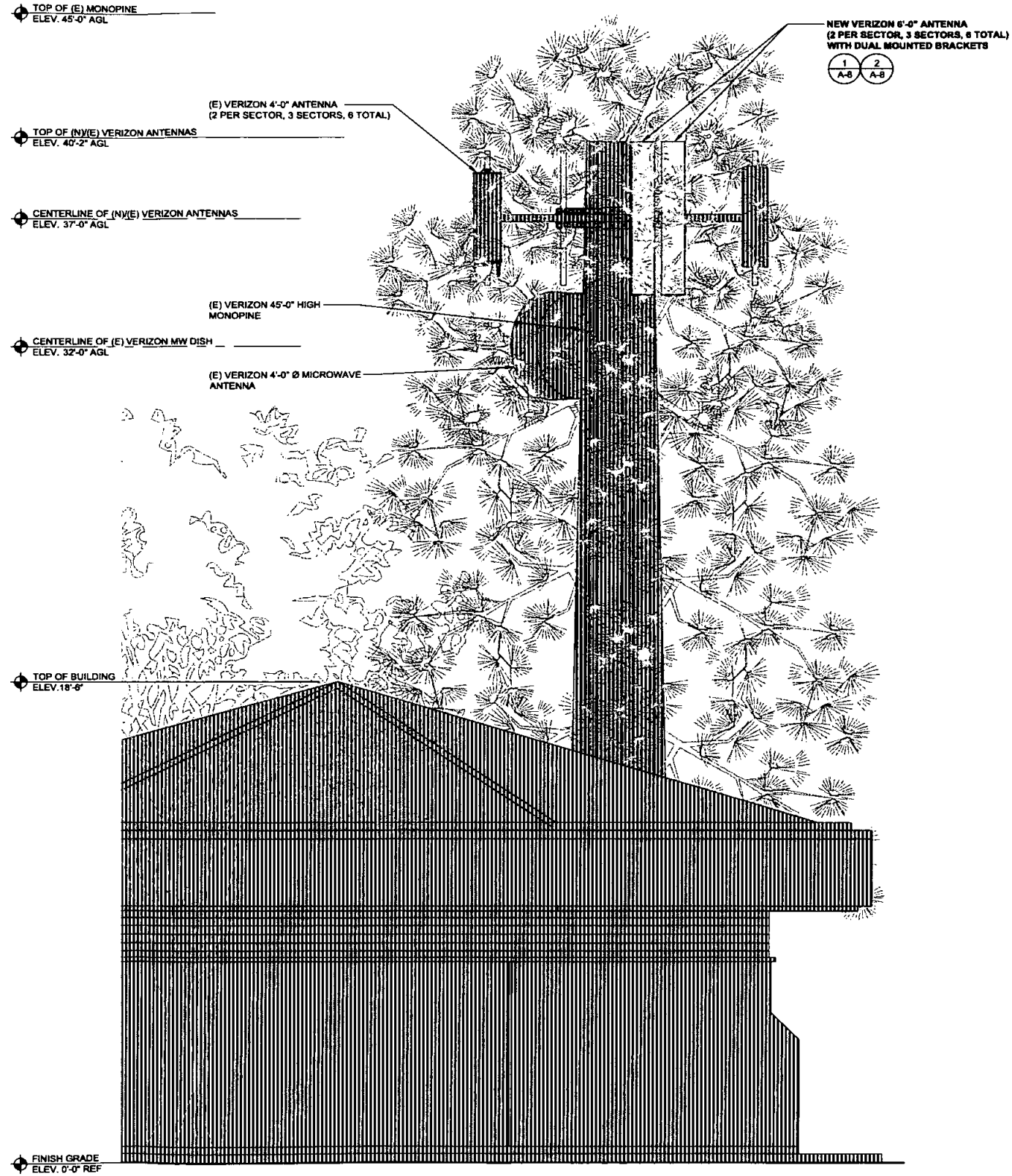
NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE RATIO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES



WEST ELEVATION (EXISTING)

0 1' 2' 3' SCALE: 3/8" = 1'-0" (24x36)
(OR) 3/16" = 1'-0" (11x17)

1



WEST ELEVATION (NEW)

0 1' 2' 3' SCALE: 3/8" = 1'-0" (24x36)
(OR) 3/16" = 1'-0" (11x17)

2

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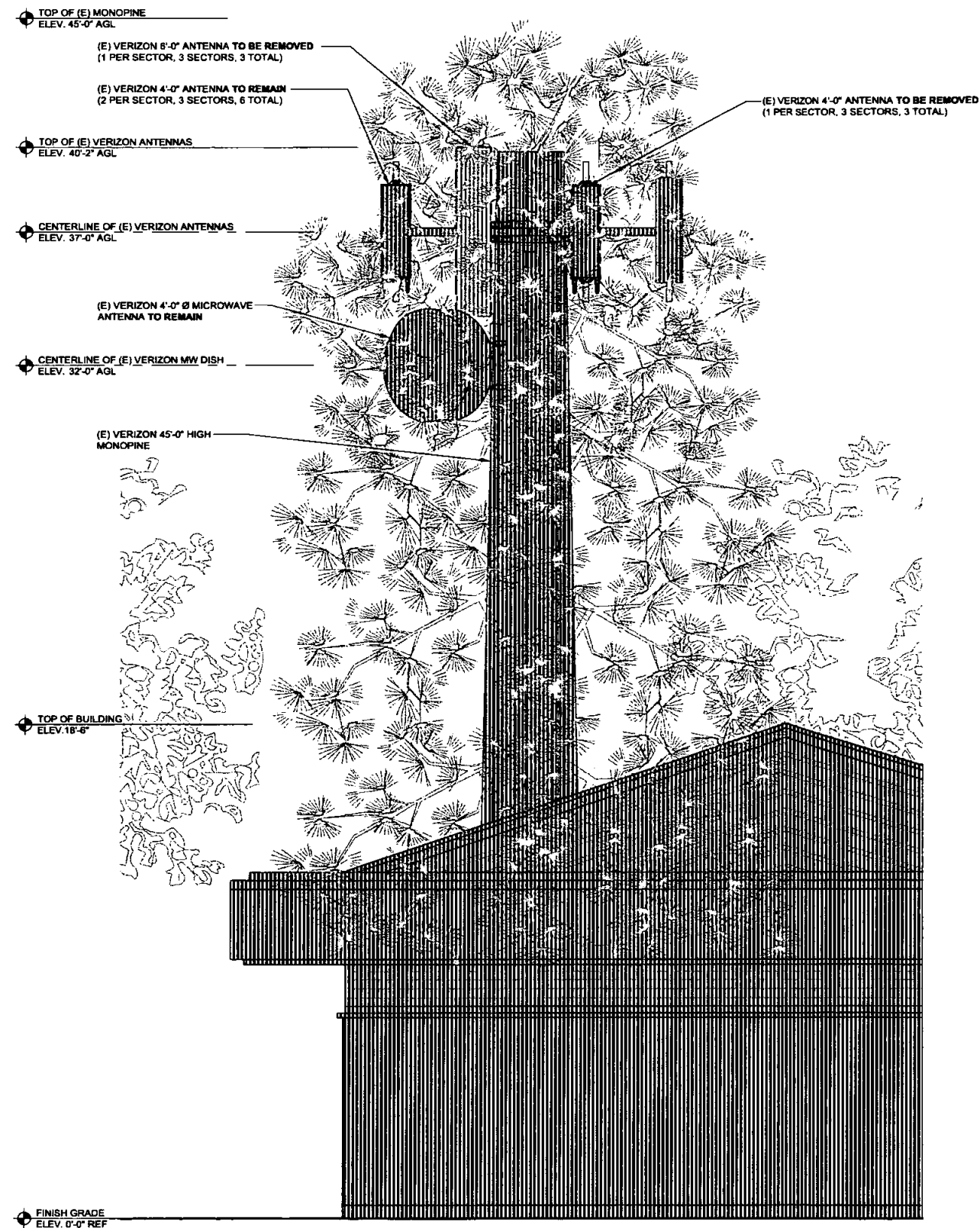
BENHURST
4155 GOVERNOR DRIVE
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MONOPINE

SHEET TITLE

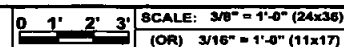
ELEVATIONS

SHEET NUMBER

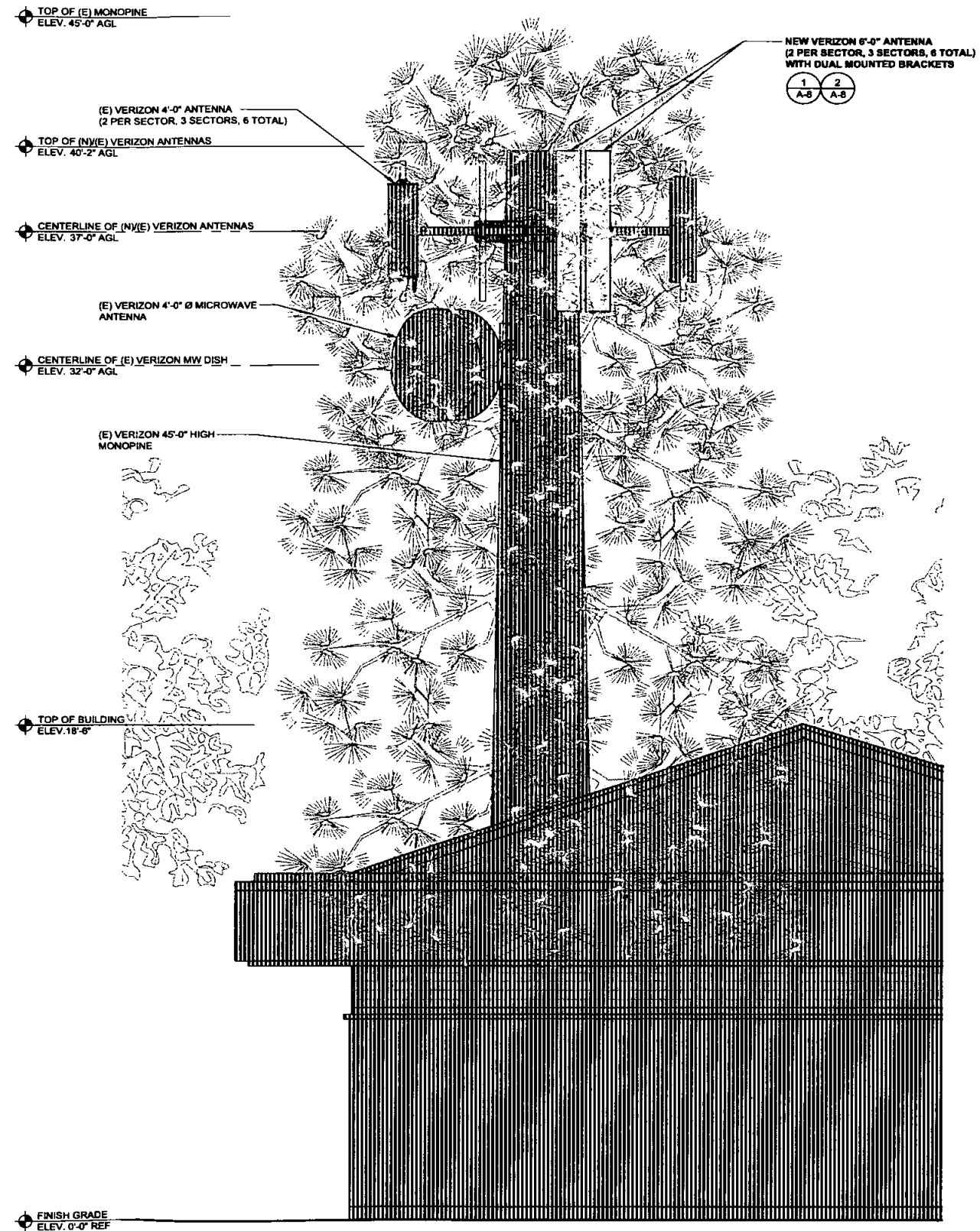
A-5



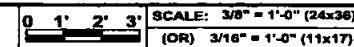
NORTH ELEVATION (EXISTING)



1



NORTH ELEVATION (NEW)



2



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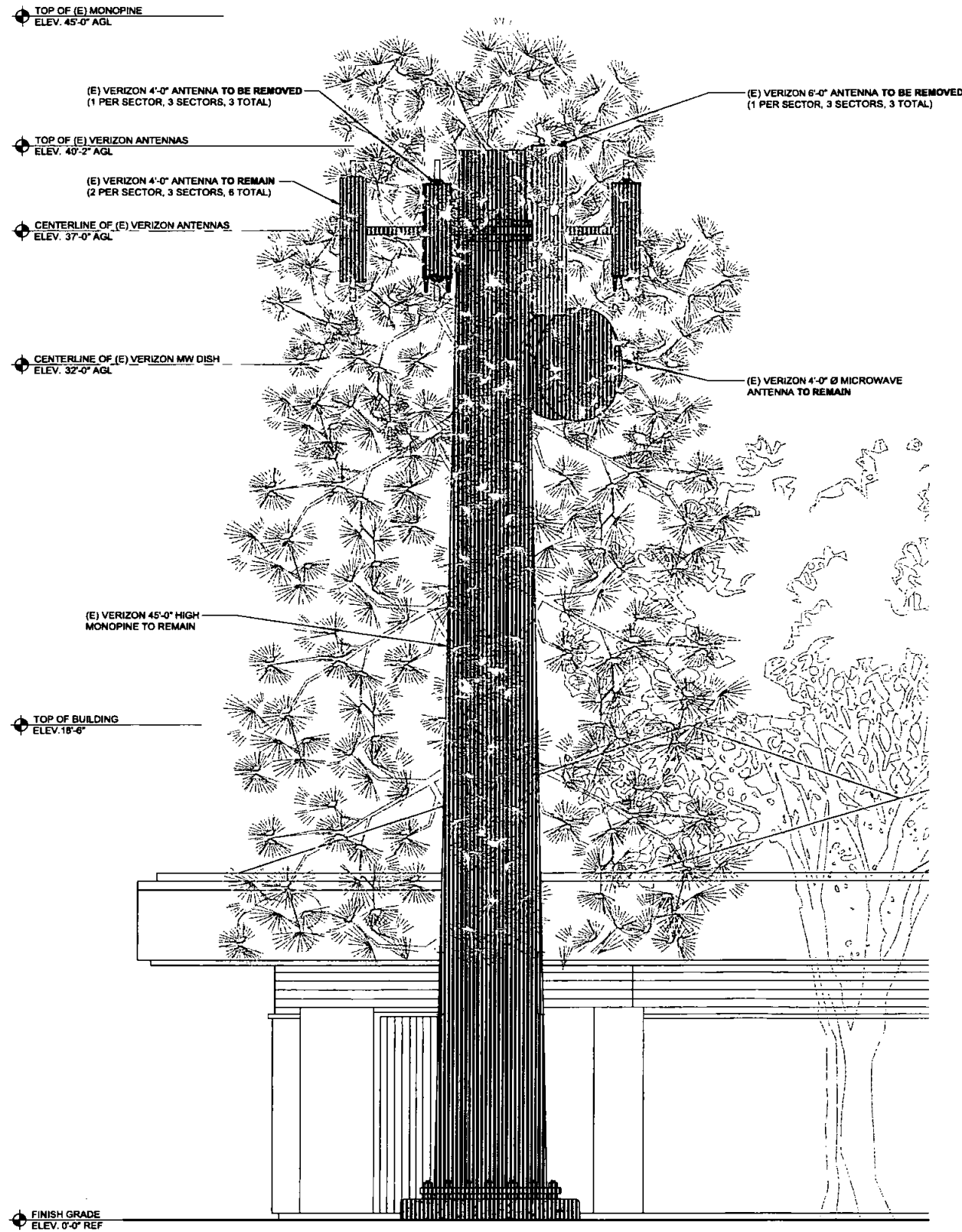
SHEET TITLE

ELEVATIONS

SHEET NUMBER _____

A-6

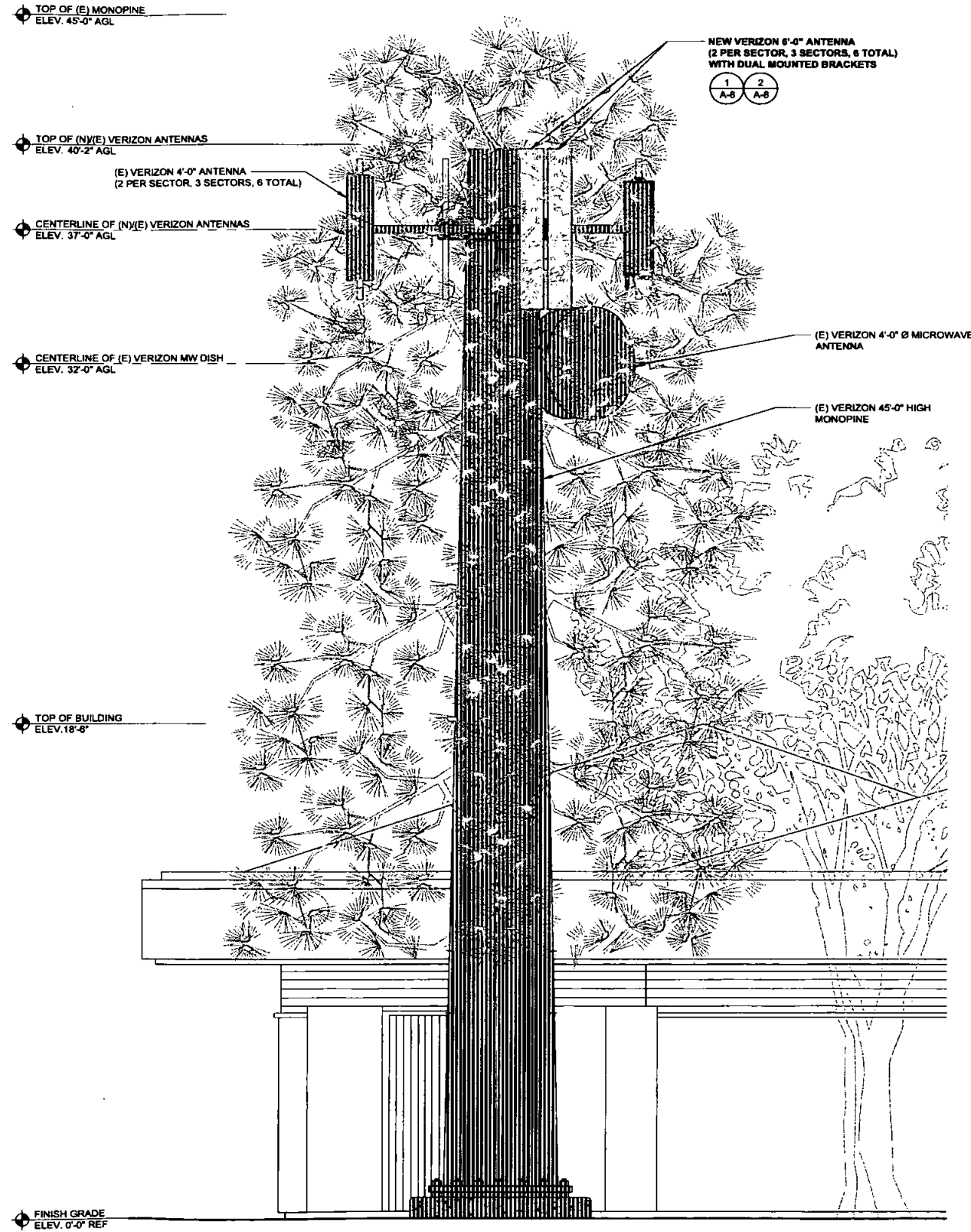
NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE RATIO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES



EAST ELEVATION (EXISTING)

0 1' 2' 3' SCALE: 3/8" = 1'-0" (24x36)
(OR) 3/16" = 1'-0" (11x17)

1



EAST ELEVATION (NEW)

0 1' 2' 3' SCALE: 3/8" = 1'-0" (24x36)
(OR) 3/16" = 1'-0" (11x17)

2

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DEPLOYMENT SERVICES, INC.

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SAN DIEGO, CA 92122
MONOPINE

SHEET TITLE

ELEVATIONS

SHEET NUMBER

A-7

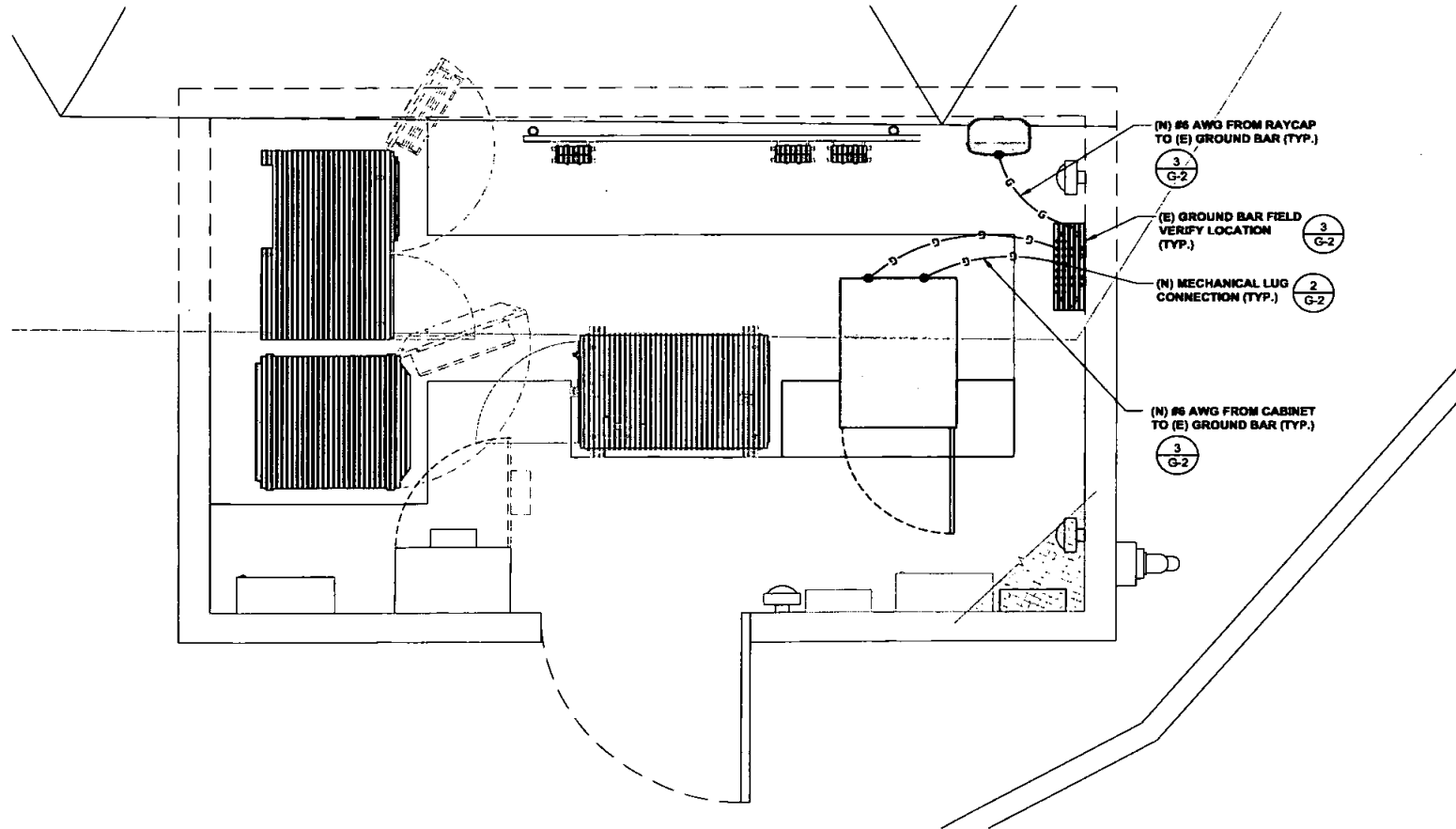
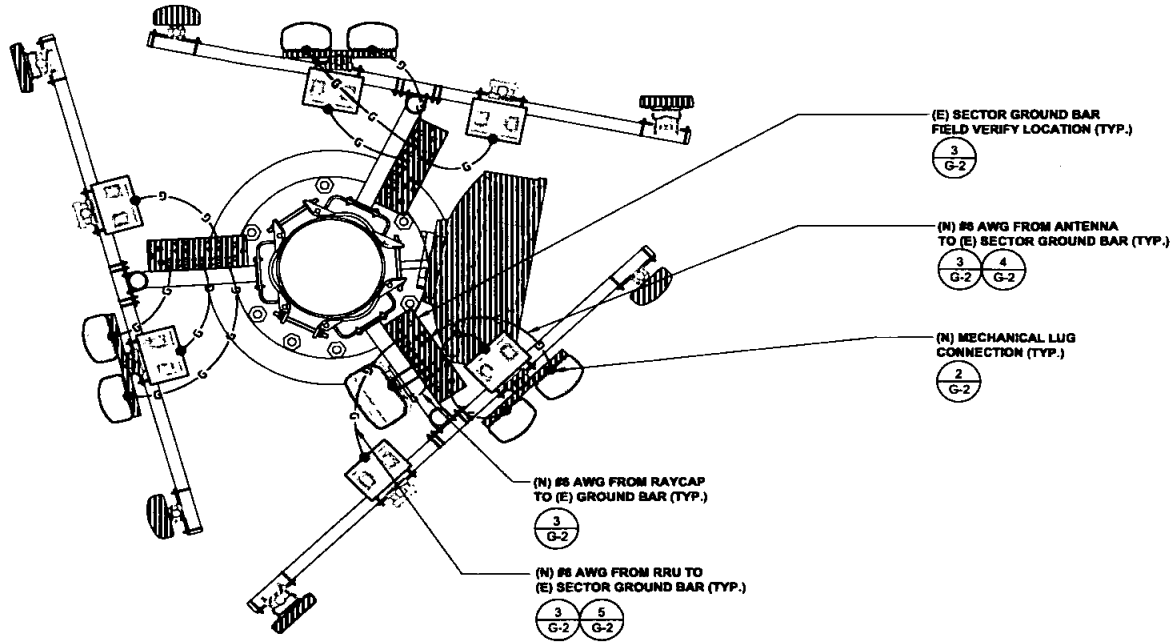
ELECTRICAL GROUNDING SPECIFICATIONS

- GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE CURRENTLY IN EFFECT FOR THE AUTHORITY HAVING JURISDICTION.
- ALL GROUNDING DEVICES SHALL BE U.L. LISTED FOR THEIR INTENDED USE.
- GROUND WIRES SHALL BE TINNED #2 AWG BARE SOLID COPPER UNLESS OTHERWISE NOTED.
- CONNECTIONS OF ALL GROUND WIRES TO THE GROUND RING SHALL BE EXOTHERMIC (CAD-WELDED), UNLESS OTHERWISE NOTED, AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND VZW WIRELESS BROADBAND STANDARDS.
- GROUNDING CONDUCTORS SHALL BE ROUTED ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. WHEN REQUIRED, GROUND LEADS SHALL BE BENT TO A MINIMUM OF 8" RADIUS.
- WHERE GROUND WIRES ARE ROUTED FROM ANY CONNECTION ABOVE GRADE TO THE GROUND RING, INSTALL WIRE IN 3/4" HEAVY WALL LIQUID TIGHT FLEXIBLE CONDUIT FROM CONNECTION POINT TO 5" BELOW GRADE AND SEAL THE TOP WITH SILICONE SEALANT.
- ALL GROUND BARS SHALL BE TINNED, 1/4" COPPER, SECTOR BARS 2", COLLECTOR AND MGB BARS 4", OF SUFFICIENT LENGTH TO ACCOMMODATE ALL REQUIRED CONNECTIONS WITHOUT DOUBLING LUGS, AND EACH INSTALLED WITH ISOLATORS. WHEN CONNECTING GROUND BARS (WITHIN 10 FEET OF GRADE) DIRECTLY TO THE GROUND RING, 2 EA. #2 SOLID DOWNLEADS SHALL BE CAD-WELDED TO THE GROUND BAR, 1 AT EACH OPPOSITE BOTTOM CORNER, AND EACH SHALL RUN IN 3/4" HEAVY WALL LIQUID TIGHT FLEXIBLE CONDUIT FROM GROUND BAR DOWN TO THE GROUND RING. WHEN CONNECTING SECTOR GROUND BARS, DAISY-CHAIN THE GROUND BARS AND RUN 1 EA. #2 AWG STRANDED COPPER WIRE WITH THWN INSULATION FROM THE MIDDLE GROUND BAR TO THE GROUND RING AND CAD-WELD TO THE RING.
- WHEN ATTACHING STRANDED GROUND LEADS TO THE GROUND BARS, 2 HOLE COMPRESSION LUGS SHALL BE USED, PROTECT WITH WEATHERPROOF HEAT SHRINK, AND WITH A THIN COAT OF "KOPR SHIELD" OR EQUIVALENT PROPERLY APPLIED AND ATTACHED ONLY WITH STAINLESS STEEL HARDWARE.
- WHEN GROUNDING EQUIPMENT ENCLOSURES, PANELS, FRAMES, AND OTHER METAL APPARATUS, A #6 AWG STRANDED COPPER WIRE WITH THWN INSULATION SHALL BE ATTACHED UTILIZING A 2 HOLE COMPRESSION TYPE LUG, PROTECTED WITH WEATHERPROOF HEAT A CLEAN AND CORROSION FREE METALLIC SURFACE UTILIZING STAINLESS STEEL SELF-TAPPING SCREWS AS NOTED IN NOTE 10 BELOW.
- PREPARE ALL BONDING SURFACES FOR GROUND CONNECTIONS BY REMOVING ANY AND ALL PAINT AND CORROSION TO SHINY METAL. FOLLOWING CAD-WELDED CONNECTIONS TO NON-COPPER SURFACES, APPLY ONE COAT OF ANY ANTI-OXIDIZING PAINT, "COLD GALV" OR EQUIVALENT.
- GROUND RODS SHALL BE COPPER-CLAD STEEL 5/8"x10", SPACED NO LESS THAN 10' ON CENTER.
- ALL GROUND SYSTEM CONDUCTORS AND CONDUITS SHALL BE SECURED UTILIZING ONLY NONMETALLIC, NON-CONDUCTIVE, UV RATED CLAMPS, BRACKET, AND OR SUPPORTS.
- WHEN REQUIRED, THE CONTRACTOR SHALL ENGAGE THE SERVICES OF AN INDEPENDENT TESTING FIRM TO VERIFY, UTILIZING A MEGGER TEST, THAT THE RESISTANCE TO EARTH OF THE NEW GROUND SYSTEM IS EQUAL TO OR LESS THAN 5 (OHMS). A COPY OF THE COMPLETE TESTING REPORT SHALL BE PROVIDED TO THE VZW REPRESENTATIVE.
- ALL MATERIALS AND HARDWARE SHALL BE INSTALLED IN A WORKMAN-LIKE MANNER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND DEFINED IN NFPA-70 AND APPROVED BY A.H.J.

LEGEND	
■	EXOTHERMIC CONNECTION
●	MECHANICAL CONNECTION
▬	EQUIPMENT GROUND BAR
▬	ANTENNA GROUND BAR (AS REQUIRED)
—	#2 AWG GROUND LEAD (AS REQUIRED)

NOTE:

- CONTRACTOR TO REPLACE ALL MISSING GROUND BARS AND GROUNDING CONNECTIONS AS REQUIRED.
- NEW MOUNTING PIPE(S) INSTALLED FOR MODIFICATION SHALL HAVE AN EXOTHERMIC WELD THAT LEADS TO THE (E) SECTOR GROUND BAR. A MECHANICAL LUG CONNECTION SHALL OCCUR AT (E) SECTOR GROUND BAR.



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2667 CAMINO DEL RIO SOUTH, STE 205
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A	03/18/2020	90% CONSTRUCTION	JRB

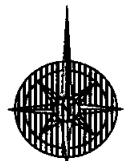
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4155 GOVERNOR DRIVE
SAN DIEGO, CA 92122
MONOPINE

SHEET TITLE
GROUNDING PLAN

SHEET NUMBER

G-1



SCALE
N.T.S. 2

NOTES & LEGEND

1

GROUNDING PLAN

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

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SCALE N.T.S.		10		SCALE N.T.S.		7		CABLE GROUNDING		SCALE N.T.S.		4		EXOTHERMIC WELDING		SCALE N.T.S.		1											
								<table><tr><th>WIRE SIZE</th><th>BURNDY LUG</th><th>BOLT SIZE</th></tr><tr><td>#6 AWG GREEN INSULATED</td><td>YA6C-2TC38</td><td>3/8" - 16 NC S 2 BOLT</td></tr><tr><td>#2 AWG SOLID TINNED</td><td>YA3C-2TC38</td><td>3/8" - 16 NC S 2 BOLT</td></tr><tr><td>#2 AWG STRANDED</td><td>YA2C-2TC38</td><td>3/8" - 16 NC S 2 BOLT</td></tr><tr><td>#2/0 AWG STRANDED</td><td>YA26-2TC38</td><td>3/8" - 16 NC S 2 BOLT</td></tr><tr><td>#4/0 AWG STRANDED</td><td>YA28-2N</td><td>1/2" - 16 NC S 2 BOLT</td></tr></table>		WIRE SIZE	BURNDY LUG	BOLT SIZE	#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT	#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT	#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT	#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT	#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT	NOTES: - ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER, LOCK WASHER AND NUT. - COPPER SHIELD, ANTIOX, CR NO-OX OR EQUIVALENT SHALL BE PLACE WHERE ALL DISSIMILAR METALS CONNECT. - ALL LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. - ALL LUGS MUST HAVE INSPECTION WINDOWS.	
WIRE SIZE	BURNDY LUG	BOLT SIZE																											
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT																											
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#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT																											
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT																											
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT																											
SCALE N.T.S.		11		SCALE N.T.S.		8		RRU GROUNDING		SCALE N.T.S.		5		MECHANICAL LUG		SCALE N.T.S.		2											
												NOTES: - PROVIDE NO-OX GREASE AT CONTACT SURFACE BETWEEN LUG AND GROUND BAR - CONTRACTOR WILL VERIFY BUSS BAR GROUNDING TO THE TOWER OR RING. - GROUND BARS AT BOTTOM OF TOWERS OR MONOPOLES SHALL USE EXOTHERMIC CONNECTION.		NOTES: - ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER, LOCK WASHER AND NUT. - COPPER SHIELD, ANTIOX, CR NO-OX OR EQUIVALENT SHALL BE PLACE WHERE ALL DISSIMILAR METALS CONNECT. - ALL LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. - ALL LUGS MUST HAVE INSPECTION WINDOWS.															
SCALE N.T.S.		12		SCALE N.T.S.		9				SCALE N.T.S.		6		SECTOR GROUND BAR		SCALE N.T.S.		3											

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MONOPINE

SHEET TITLE
**GROUNDING
DETAILS**

SHEET NUMBER
G-2