



**56 KENDALL HILL ROAD  
STERLING, MA 01564**

**SITE INFORMATION:**

PROPERTY OWNER:	SALLY BECKWITH 56 KENDALL HILL ROAD STERLING, MA 01564
APPLICANT:	CELLCO PARTNERSHIP (dba VERIZON WIRELESS) 20 ALEXANDER DRIVE, 2nd FLOOR WALLINGFORD, CT 06492
SITE ADDRESS:	56 KENDALL HILL ROAD STERLING, MA 01564
COUNTY:	WORCESTER COUNTY, MA
SITE CONTROL POINT:	CENTER OF PROPOSED MONOPOLE N 42°-25'-33.87" (42.426075°) (NAD '83) W 71°-44'-44.86" (71.745794°) (NAD '83)
ZONING CLASSIFICATION:	RRF (RURAL RESIDENTIAL & FARMING)
ZONING JURISDICTION:	TOWN OF STERLING, MA
TAX ID PARCEL NUMBER:	MAP 112 LOT 12
ARCHITECT / ENGINEER:	CHAPPELL ENGINEERING ASSOCIATES, LLC 201 BOSTON POST ROAD WEST, SUITE 101 MARLBOROUGH, MA 01752
PRESIDING POWER COMPANY:	STERLING MUNICIPAL LIGHT DEPARTMENT 50 MAIN STREET STERLING, MA 01564 (978) 422-8267
TELEPHONE COMPANY:	VERIZON 185 FRANKLIN STREET BOSTON, MA 02107 (800) 941-9900

(NOT FOR CONSTRUCTION)

### VICINITY MAP

SCALE: 1"=1000'



## DRIVING DIRECTIONS

FROM WALLINGFORD, TAKE I-91 NORTH. TAKE EXIT 29 ON LEFT FOR U.S. 5 N/CONNECTICUT 15 N/I-84 EAST TOWARD EAST HARTFORD/BOSTON. MERGE ONTO U.S. 5 NORTH. CONTINUE ONTO CT-15 NORTH. TAKE THE EXIT ON THE LEFT ONTO I-84 EAST TOWARD BOSTON. KEEP LEFT TO STAY ON I-84 EAST AND FOLLOW SIGNS FOR BOSTON. TAKE THE EXIT ONTO I-90 EAST TOWARD BOSTON/N.H. - MAINE. TAKE EXIT 90 FOR I-290 EAST TOWARD WORCESTER. TAKE EXIT 20-22-22-23 FOR I-190 NORTH TOWARD MA-12/HOLDEN/FITCHBURG. CONTINUE ONTO I-190 NORTH. KEEP LEFT TO STAY ON I-190 NORTH. TAKE EXIT 9 FOR MA-140 NORTH. TURN LEFT ONTO MA-140 NORTH. TURN RIGHT ONTO DANA HILL ROAD. CONTINUE ONTO MUDDY POND ROAD. MUDDY POND ROAD TURNS SLIGHTLY RIGHT AND BECOMES GREENLAND ROAD. TURN LEFT ONTO MA-12 NORTH. CONTINUE STRAIGHT ONTO MA-12 N/MA-62 EAST. TURN RIGHT ONTO MAPLE STREET. TURN RIGHT ONTO KENDALL HILL ROAD. TURN RIGHT TO STAY ON KENDAL HILL ROAD. TURN LEFT. THE SITE WILL BE ON THE LEFT HAND SIDE.

## SHEET INDEX

DWG.	DESCRIPTION	REV.
T01	TITLE SHEET	0
C01	PROPERTY PLAN	0
C02	SITE PLAN	0
C02A	ENLARGED PART SITE PLAN	0
A01	EQUIPMENT COMPOUND PLAN	0
A02	SITE DETAILS	0
A03	NORTHWEST AND SOUTHWEST EQUIPMENT COMPOUND ELEVATIONS	0
RF01	ANTENNA MOUNTING PLAN AND DETAILS	0
RF02	ANTENNA DETAILS AND ANCILLARY EQUIPMENT SPECIFICATIONS	0

DO NOT SCALE DRAWINGS


ALL PLANS, EXISTING DIMENSIONS AND CONDITIONS AT THE PROPOSED PROJECT SITE SHALL BE VERIFIED IN THE FIELD DURING THE CONSTRUCTION PHASE. THE PROJECT OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES IMMEDIATELY PRIOR TO PROCEEDING WITH THE PROPOSED WORK AFFECTED BY SUCH DISCREPANCIES. IN THE EVENT OF LACK OF SUCH NOTIFICATION, SUCH DISCREPANCIES SHALL BECOME THE RESPONSIBILITY OF THE PREVAILING CONTRACTOR RESPONSIBLE FOR CONSTRUCTION.

## PROJECT DESCRIPTION

1. THIS IS AN UNMANNED AND RESTRICTED ACCESS EQUIPMENT INSTALLATION AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNAL FOR THE PURPOSE OF PROVIDING PUBLIC WIRELESS TELECOMMUNICATIONS SERVICE.
2. THIS FACILITY WILL CONSUME NO UNRECOVERABLE ENERGY.
3. NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.
4. NO WASTE WATER WILL BE GENERATED AT THIS LOCATION.
5. NO SOLID WASTE WILL BE GENERATED AT THIS LOCATION.

CLIENT:

ARCHITECT/ENGINEER:



**CHAPPELL  
ENGINEERING  
ASSOCIATES, LLC**  
*Civil • Structural • Land Surveying*

R.K. EXECUTIVE CENTRE  
201 BOSTON POST ROAD WEST  
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MARLBOROUGH, MA 01752  
(508) 481-7400  
[www.chappellengineering.com](http://www.chappellengineering.com)

SEAL:

ENGINEER/LAND SURVEYOR      DATE

DRAWING SCALE NOTE:

THESE DRAWINGS HAVE BEEN PREPARED IN ARCH D (24"x36") FORMAT. AS SUCH, THE WRITTEN SCALES SHOWN ON ANY REPRODUCTIONS OF A CONTRADICTORY SIZE SHALL BE RENDERED INVALID.

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TO ALTER THIS DOCUMENT.

## REVISIONS

[illegible]

PROJECT NAME:

STERLING 4 MA

56 KENDALL HILL ROAD  
STERLING, MA 01564

DRAWING TITLE:

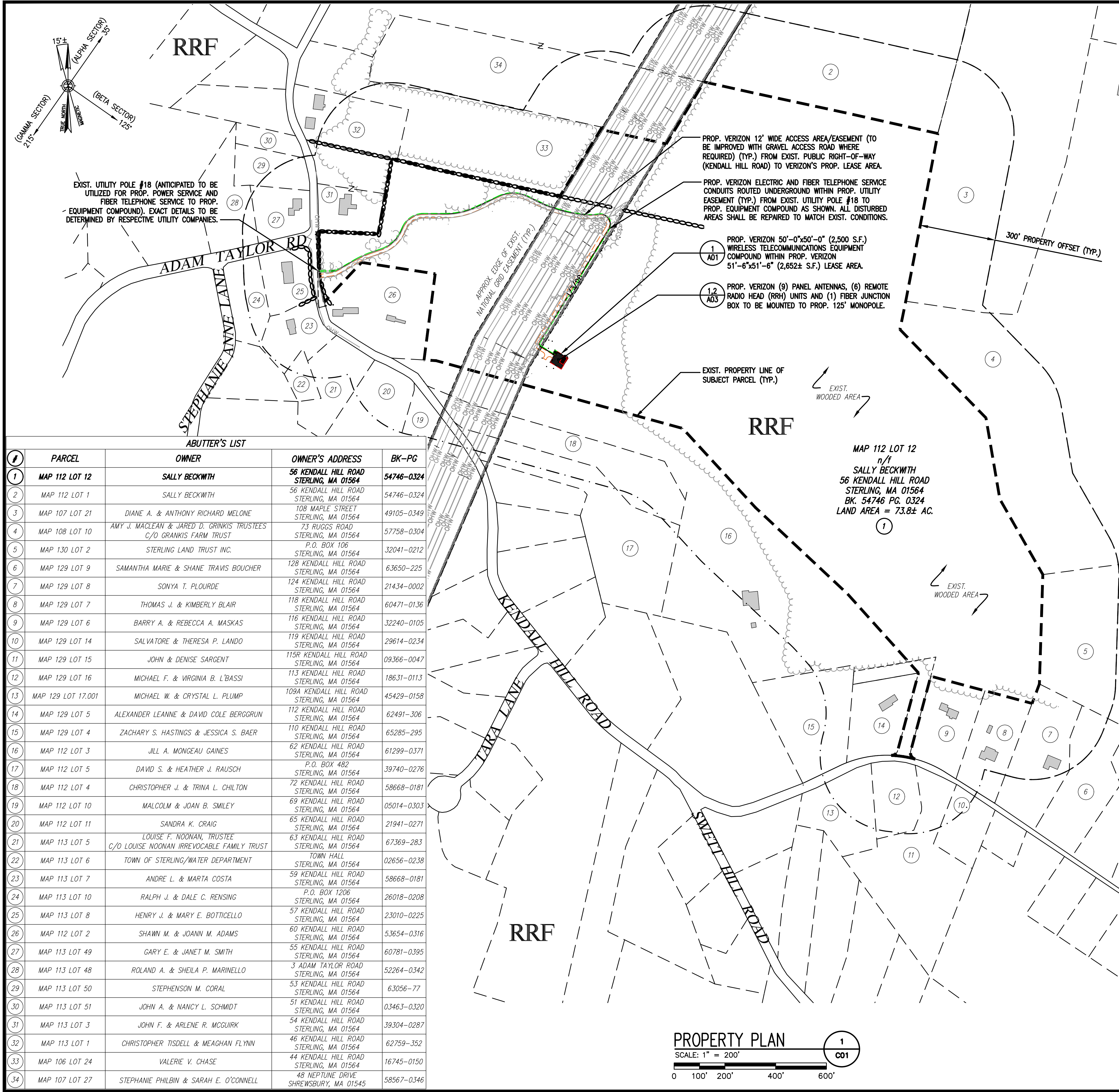
# TITLE SHEET

**DRAWING NO:**

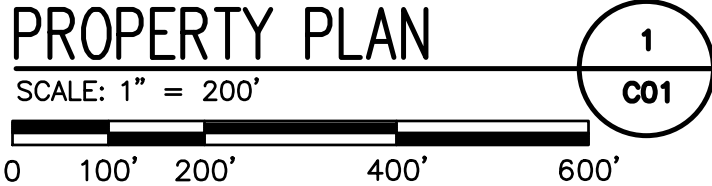
T01

SCALE:	DESIGNED BY: GRS/JNS	VZW PROJECT CODE:
AS SHOWN	DRAWN BY: NWC	20161531843
	CHECKED BY: GRS	VZW PROJECT NO.:
CEA PROJECT NO.:	ORIGINAL ISSUE DATE:	2245166
96210.406	12/5/22	VZW LOCATION CODE:
		289269





#	PARCEL	OWNER	OWNER'S ADDRESS	BK-PG
1	MAP 112 LOT 12	SALLY BECKWITH	56 KENDALL HILL ROAD STERLING, MA 01564	54746-0324
2	MAP 112 LOT 1	SALLY BECKWITH	56 KENDALL HILL ROAD STERLING, MA 01564	54746-0324
3	MAP 107 LOT 21	DIANE A. & ANTHONY RICHARD MELONE	108 MAPLE STREET STERLING, MA 01564	49105-0349
4	MAP 108 LOT 10	AMY J. MACLEAN & JARED D. GRINKIS TRUSTEES C/O GRANKIS FARM TRUST	73 RUCCS ROAD STERLING, MA 01564	57758-0304
5	MAP 130 LOT 2	STERLING LAND TRUST INC.	P.O. BOX 106 STERLING, MA 01564	32041-0212
6	MAP 129 LOT 9	SAMANTHA MARIE & SHANE TRAVIS BOUCHER	128 KENDALL HILL ROAD STERLING, MA 01564	63650-225
7	MAP 129 LOT 8	SONYA T. PLOURDE	124 KENDALL HILL ROAD STERLING, MA 01564	21434-0002
8	MAP 129 LOT 7	THOMAS J. & KIMBERLY BLAIR	118 KENDALL HILL ROAD STERLING, MA 01564	60471-0136
9	MAP 129 LOT 6	BARRY A. & REBECCA A. MASKAS	116 KENDALL HILL ROAD STERLING, MA 01564	32240-0105
10	MAP 129 LOT 14	SALVATORE & THERESA P. LANDO	119 KENDALL HILL ROAD STERLING, MA 01564	29614-0234
11	MAP 129 LOT 15	JOHN & DENISE SARGENT	115R KENDALL HILL ROAD STERLING, MA 01564	09366-0047
12	MAP 129 LOT 16	MICHAEL F. & VIRGINIA B. L'BASSI	113 KENDALL HILL ROAD STERLING, MA 01564	18631-0113
13	MAP 129 LOT 17.001	MICHAEL W. & CRYSTAL L. PLUMP	109A KENDALL HILL ROAD STERLING, MA 01564	45429-0158
14	MAP 129 LOT 5	ALEXANDER LEANNE & DAVID COLE BERGRUN	112 KENDALL HILL ROAD STERLING, MA 01564	62491-306
15	MAP 129 LOT 4	ZACHARY S. HASTINGS & JESSICA S. BAER	110 KENDALL HILL ROAD STERLING, MA 01564	65285-295
16	MAP 112 LOT 3	JILL A. MONGEAU GAINES	62 KENDALL HILL ROAD STERLING, MA 01564	61299-0371
17	MAP 112 LOT 5	DAVID S. & HEATHER J. RAUSCH	P.O. BOX 482 STERLING, MA 01564	39740-0276
18	MAP 112 LOT 4	CHRISTOPHER J. & TRINA L. CHILTON	72 KENDALL HILL ROAD STERLING, MA 01564	58668-0181
19	MAP 112 LOT 10	MALCOLM & JOAN B. SMILEY	69 KENDALL HILL ROAD STERLING, MA 01564	05014-0303
20	MAP 112 LOT 11	SANDRA K. CRAIG	65 KENDALL HILL ROAD STERLING, MA 01564	21941-0271
21	MAP 113 LOT 5	LOUISE F. NOONAN, TRUSTEE C/O LOUISE NOONAN IRREVOCABLE FAMILY TRUST	63 KENDALL HILL ROAD STERLING, MA 01564	67369-283
22	MAP 113 LOT 6	TOWN OF STERLING/WATER DEPARTMENT	TOWN HALL STERLING, MA 01564	02656-0238
23	MAP 113 LOT 7	ANDRE L. & MARTA COSTA	59 KENDALL HILL ROAD STERLING, MA 01564	58668-0181
24	MAP 113 LOT 10	RALPH J. & DALE C. RENSING	P.O. BOX 1206 STERLING, MA 01564	26018-0208
25	MAP 113 LOT 8	HENRY J. & MARY E. BOTTICELLO	57 KENDALL HILL ROAD STERLING, MA 01564	23010-0225
26	MAP 112 LOT 2	SHAWN M. & JOANN M. ADAMS	60 KENDALL HILL ROAD STERLING, MA 01564	53654-0316
27	MAP 113 LOT 49	GARY E. & JANET M. SMITH	55 KENDALL HILL ROAD STERLING, MA 01564	60781-0395
28	MAP 113 LOT 48	ROLAND A. & SHEILA P. MARINELLO	3 ADAM TAYLOR ROAD STERLING, MA 01564	52264-0342
29	MAP 113 LOT 50	STEPHENSON M. CORAL	53 KENDALL HILL ROAD STERLING, MA 01564	63056-77
30	MAP 113 LOT 51	JOHN A. & NANCY L. SCHMIDT	51 KENDALL HILL ROAD STERLING, MA 01564	03463-0320
31	MAP 113 LOT 3	JOHN F. & ARLENE R. MCGUIRK	54 KENDALL HILL ROAD STERLING, MA 01564	39304-0287
32	MAP 113 LOT 1	CHRISTOPHER TISDELL & MEAGHAN FLYNN	46 KENDALL HILL ROAD STERLING, MA 01564	62759-352
33	MAP 106 LOT 24	VALERIE V. CHASE	44 KENDALL HILL ROAD STERLING, MA 01564	16745-0150
34	MAP 107 LOT 27	STEPHANIE PHILBIN & SARAH E. O'CONNELL	48 NEPTUNE DRIVE SHREWSBURY, MA 01545	58567-0346



- GENERAL NOTES:**
- 1A. INITIAL LIMITED DESIGN VISIT DATE: 5/20/22
  - 1B. FIELD SURVEY DATE: 11/15/22, 11/16/22 & 11/18/22
  2. VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88)
  3. HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD '83)
  4. SITE CONTROL POINT: CENTER OF PROPOSED MONOPOLE  
LATITUDE: N. 42°-25'-33.87" (42.426075°) (NAD '83)  
LONGITUDE: W. 71°-44'-44.86" (71.745794°) (NAD '83)
  5. LAND OWNER: SALLY BECKWITH  
56 KENDALL HILL ROAD  
STERLING, MA 01564
  6. SITE ADDRESS: 56 KENDALL HILL ROAD  
STERLING, MA 01564
  7. APPLICANT: CELCO PARTNERSHIP  
(dba VERIZON WIRELESS)  
20 ALEXANDER DRIVE, 2nd FLOOR  
WALINGFORD, CT 06492
  8. ZONING JURISDICTION: TOWN OF STERLING, MA
  9. TAX ID: MAP 112 LOT 12
  10. DEED REFERENCE: BK. 54746 PG. 0324
  11. PLAN REFERENCES: TOWN OF STERLING ASSESSOR/GIS MAPS
  12. ZONING CLASSIFICATION: RRF (RURAL RESIDENTIAL & FARMING)
  13. ALL UNDERGROUND UTILITY INFORMATION PRESENTED HEREON WAS DETERMINED FROM SURFACE EVIDENCE AND PLANS OF RECORD. ALL UNDERGROUND UTILITIES SHOULD BE LOCATED IN THE FIELD PRIOR TO THE COMMENCEMENT OF ANY SITE WORK. CALL DIGSAFE 1-888-344-7233 A MINIMUM OF 72 HOURS PRIOR TO PLANNED ACTIVITY.
  14. THE PROPERTY LINES SHOWN WERE COMPILED UTILIZING TOWN OF STERLING ASSESSOR'S PLANS, GIS, RECORDED DEEDS AND PLANS OF REFERENCE AS INDICATED. A COMPLETE BOUNDARY SURVEY WAS NOT UTILIZED IN THE PREPARATION OF THESE PLANS.
  15. THE SITE IS LOCATED IN FLOOD HAZARD ZONE C (AREA OF MINIMAL FLOODING) AS SHOWN ON FLOOD INSURANCE RATE MAP FOR THE TOWN OF STERLING, (MAP NUMBER 2503360005B) EFFECTIVE 6/15/1982.
  16. BEARING SYSTEM OF THIS PLAN IS BASED ON GRID NORTH. TRUE NORTH WAS ESTABLISHED FROM GPS OBSERVATIONS. IT IS NOT INTENDED TO BE AN EXACT REPRESENTATION OF TRUE NORTH.

- LEGEND**
- STREET
  - PROPERTY LINE
  - ABUTTING PROPERTY LINE
  - PROPERTY OFFSET/RADIUS
  - EXIST. EASEMENT
  - EXIST. CHAIN LINK FENCE
  - EXIST. STOCKADE FENCE
  - EXIST. EDGE OF PAVEMENT
  - EXIST. OVERHEAD UTILITIES
  - APPROXIMATE ZONING BOUNDARY
  - APPROXIMATE TOWN LINE

ZONING DISTRICT LEGEND	
RRF	RURAL RESIDENTIAL & FARMING

CLIENT:

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"Because Better Matters"

ARCHITECT/ENGINEER:

**CHAPPELL ENGINEERING ASSOCIATES, LLC**  
Civil-Structural-Land Surveying

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SEAL:

ENGINEER/LAND SURVEYOR DATE

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**REVISIONS**

NO.	DESCRIPTION	DATE
0	ISSUED FOR REVIEW	12/5/22

PROJECT NAME:

**STERLING 4 MA**

56 KENDALL HILL ROAD  
STERLING, MA 01564

DRAWING TITLE:

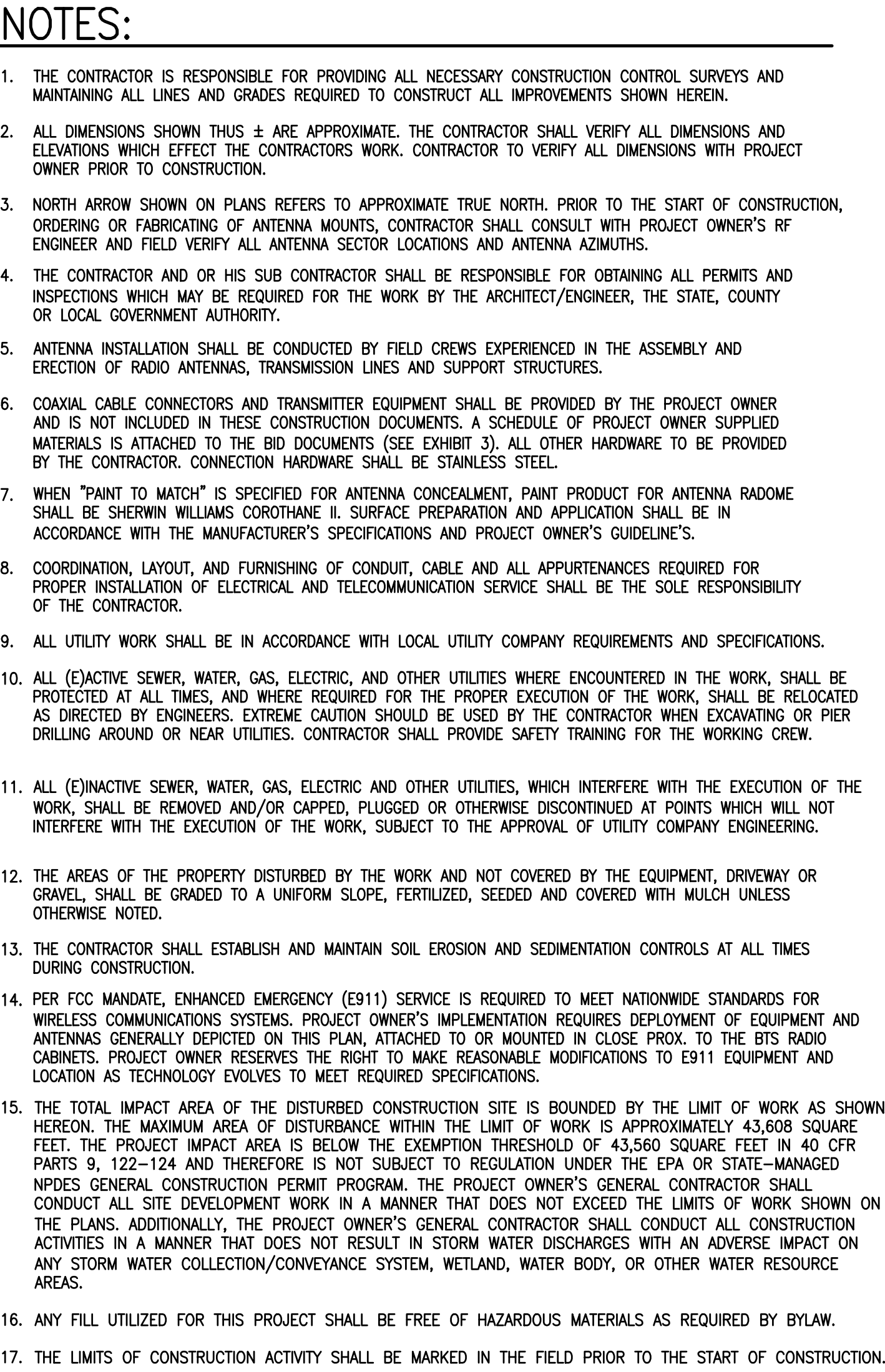
**PROPERTY PLAN**

DRAWING NO:

**C01**

SCALE: 1" = 200'	DESIGNED BY: GRS/JNS DRAWN BY: NWC	VZW PROJECT CODE: 20161531843
CEA PROJECT NO.: 96210.406	CHECKED BY: GRS ORIGINAL ISSUE DATE: 12/5/22	VZW PROJECT NO.: 2245166 VZW LOCATION CODE: 289269





ZONING REQUIREMENTS			
RRF (RURAL RESIDENTIAL & FARMING) ZONING DISTRICT (MIXED USE)			
DESCRIPTION	REQUIRED	EXISTING	PROPOSED
MIN. LOT SIZE	2 ACRES	73.8± ACRES	NO CHANGE
MIN. LOT FRONTAGE	225'	279.8±	NO CHANGE
MIN. FRONT YARD SETBACK	40'	1,730'±	495'±
MIN. SIDE YARD SETBACK	25'	250'±	100'±
MIN. REAR YARD SETBACK	40'	495'±	NO CHANGE
MAX. BUILDING HEIGHT	36'	N/A	125'±
MAX. LOT WIDTH	100'	115'±	NO CHANGE

NOTE:  
PROPERTY PLAN BASED ON TOWN OF STERLING, MA ASSESSORS MAPS AND FIELD SURVEY  
BY CHAPPELL ENGINEERING ASSOCIATES, LLC. ON 11/15/22, 11/16/22 & 11/18/22.

CLIENT:

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ARCHITECT/ENGINEER:

CHAPPELL  
ENGINEERING  
ASSOCIATES, LLC

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PROJECT NAME:

STERLING 4 MA

56 KENDALL HILL ROAD  
STERLING, MA 01564

DRAWING TITLE:

SITE PLAN

DRAWING NO:

C02

SCALE:

1" = 150'

CEA PROJECT NO.: 96210.406

DESIGNED BY: GRS/JNS

DRAWN BY: NWC

CHECKED BY: GRS

ORIGINAL ISSUE DATE:

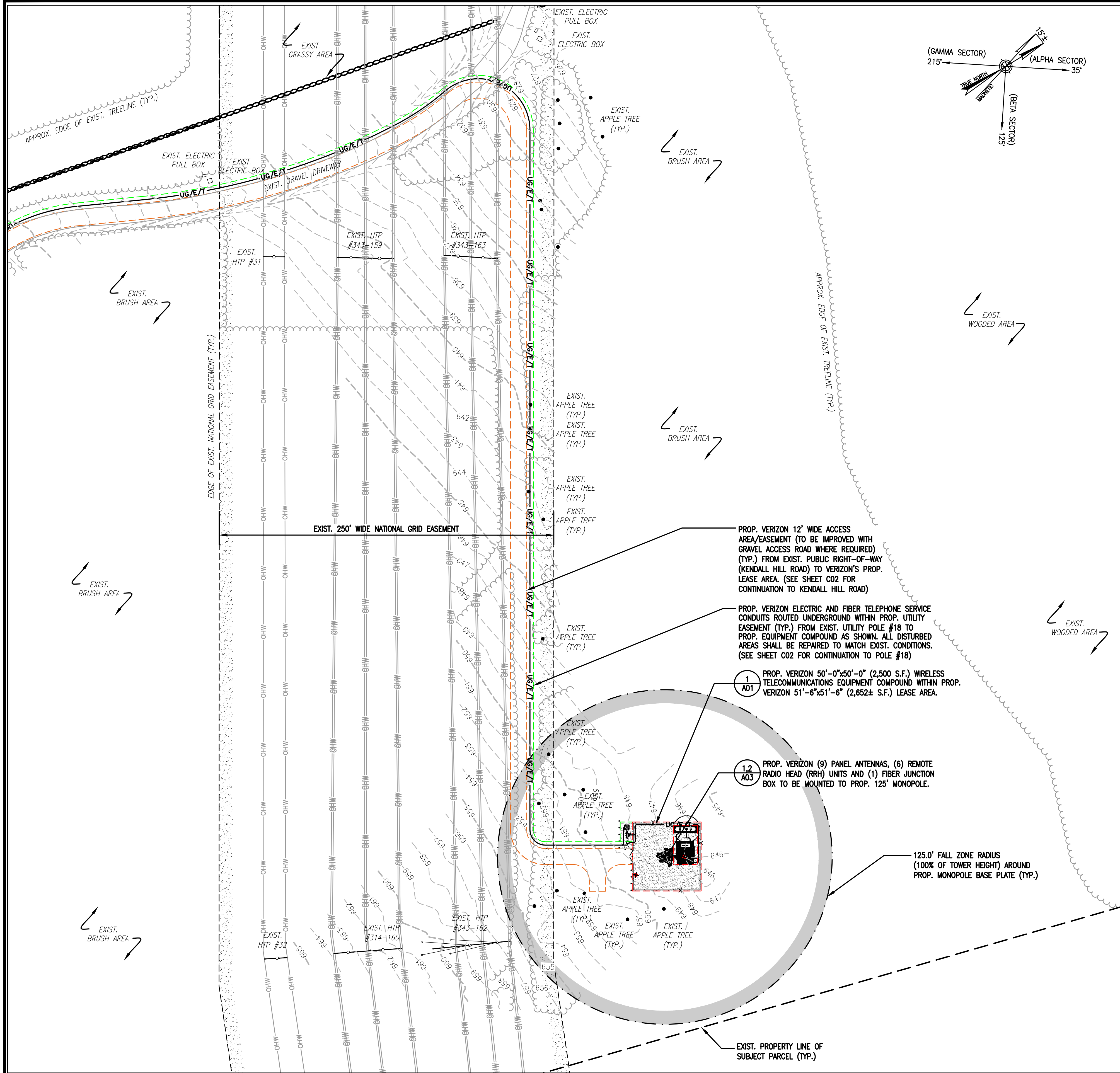
12/5/22

VZW PROJECT CODE: 20161531843

VZW PROJECT NO.: 2245166

VZW LOCATION CODE: 289269





**LEGEND**

	STREET
	EXIST. ROW/EASEMENT
	PROPERTY LINE
	ABUTTING PROPERTY LINE
	EXIST. EASEMENT
	PROPERTY OFFSET/RADIUS
	EXIST. CHAIN LINK FENCE
	EXIST. STOCKADE FENCE
	EXIST. TREELINE
	PROP. TREELINE
	EXIST. EDGE OF PAVEMENT
	EXIST. OVERHEAD UTILITIES
	PROP. OVERHEAD UTILITIES
	PROP. UTILITIES
	EXIST. STONE WALL
	LIMIT OF EXIST. WETLANDS
	LIMITS OF WETLAND BUFFER ZONES
	EXIST. UTILITY POLE
	HYDRANT
	DRILL HOLE
	STONE/CONC. BOUND
	TELCO MANHOLE
	SEWER MANHOLE
	WATER MANHOLE
	DRAINAGE MANHOLE
	CATCH BASIN
	GAS VALVE
	WATER VALVE

CLIENT:

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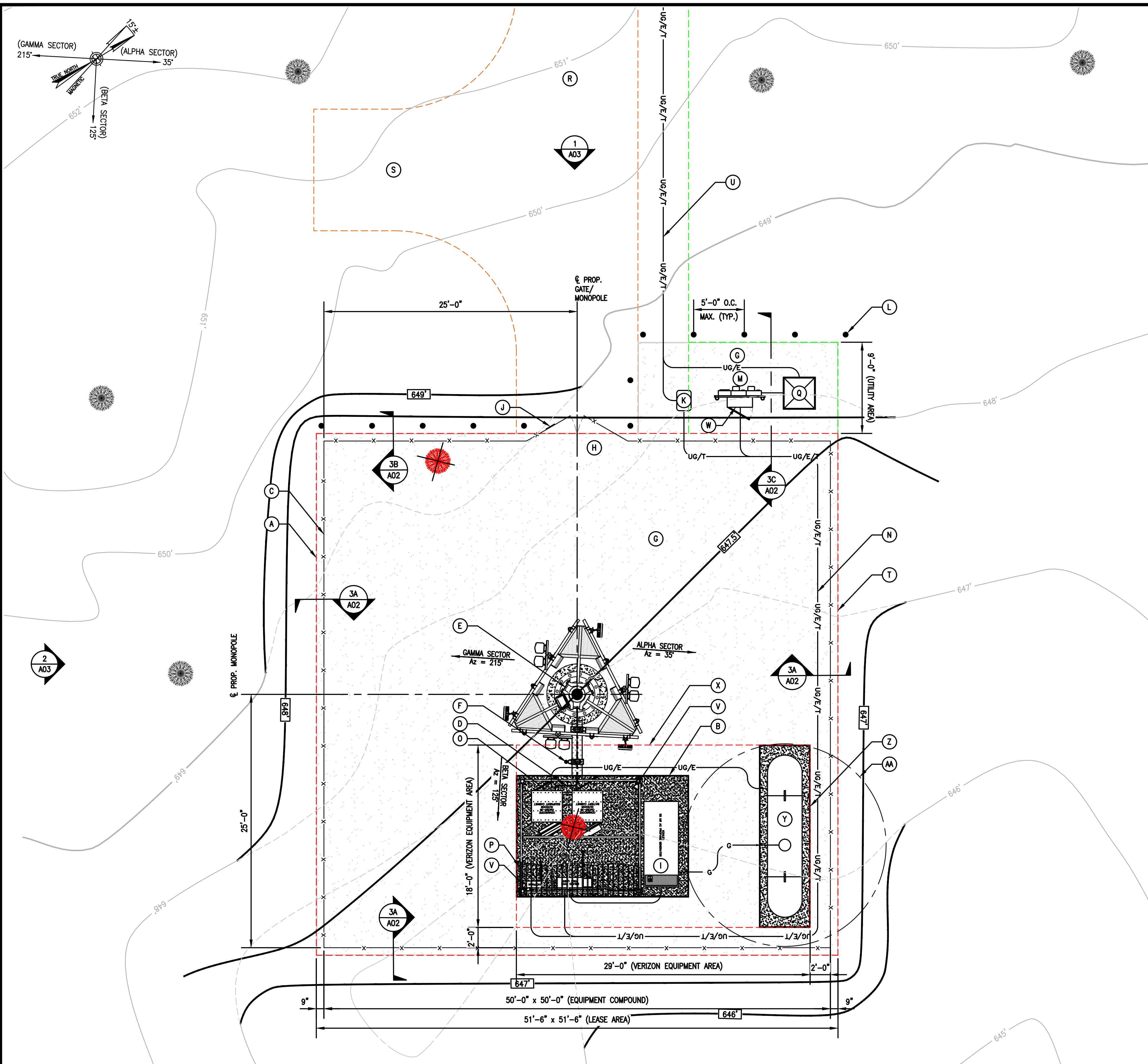
**ENLARGED PART SITE PLAN**

DRAWING NO:

**C02A**

SCALE:	DESIGNED BY: GRS/JNS	VZW PROJECT CODE:
1" = 40'	DRAWN BY: NWC	20161531843
	CHECKED BY: GRS	VZW PROJECT NO.: 2245166
CEA PROJECT NO: 96210.406	ORIGINAL ISSUE DATE: 12/5/22	VZW LOCATION CODE: 289269





● SITE CONTROL POINT:  
CENTER OF PROPOSED MONOPOLE  
N 42°-25'-33.87" (42.426075") (NAD '83)  
W 71°-44'-44.86" (71.745794") (NAD '83)  
PROP. FINISH ELEV. - 647.5' AMSL (NAVD '88)

PER CEA 1A SURVEY

EQUIPMENT COMPOUND PLAN 1  
SCALE: 3/16" = 1'-0"  
0 5'-4" 10'-8" 16'-0"

- EXIST. TREE (LARGER THAN 4" CALIPER) TO BE REMOVED (TOTAL OF 2)
- EXIST. TREE (LARGER THAN 4" CALIPER) TO REMAIN

LEGEND	
ITEM	DESCRIPTION
(A)	LIMITS OF VERIZON'S 51'-6"x51'-6" (2,652.25 S.F.) LEASE AREA WITH PROPERTY OWNER (TYP.)
(B)	PROP. VERIZON 17'-0"x12'-0" (204 S.F.) REINFORCED CONCRETE EQUIPMENT PAD (TYP.)
(1 A02) (C)	PROP. VERIZON 8' CHAIN-LINK FENCE SURROUNDING VERIZON'S PROP. 50'-0"x50'-0" (2,500 S.F.) EQUIPMENT COMPOUND (TYP.)
(4 A02) (D)	PROP. VERIZON (1)-12x24 HYBRID SIGNAL CABLE ROUTED ALONG PROP. OVERHEAD CABLE ICE BRIDGE (TYP.) FROM VERIZON'S PROP. EQUIPMENT TO PROP. MONOPOLE AS SHOWN.
(1.2 A03) (E)	PROP. 125' MONOPOLE (PROPOSED BY THIS APPLICANT AND TO BE DESIGNED AND SUPPLIED BY OTHERS)
(3 RF01) (F)	PROP. VERIZON GPS ANTENNA MOUNTED TO PROP. ICE BRIDGE. TOP OF GPS ANTENNA SHALL BE MOUNTED 2'-0" ABOVE TOP OF ICE BRIDGE.
(3A,B,C A02) (G)	PROP. GRAVEL COVER WITHIN ENTIRE LIMITS OF PROP. EQUIPMENT COMPOUND AND UTILITY AREA AS SHOWN
(1 A02) (H)	PROP. 10' WIDE DOUBLE SWING GATE
(I)	PROP. VERIZON 50 KW BACK-UP PROPANE GENERATOR MOUNTED TO PROP. 17'-0"x12'-0" (204 S.F.) REINFORCED CONCRETE PAD
(2 A02) (J)	PROP. RF WARNING SIGNAGE TO BE ATTACHED TO PROP. GATE
(K)	PROP. TELCO HANDHOLE (EXACT DETAILS TO BE DETERMINED BY TELEPHONE COMPANY)
(5 A02) (L)	PROP. 6" CONCRETE FILLED STEEL BOLLARD (TYP. OF 12)
(M)	PROP. 6-GANG METER BANK SIZED APPROPRIATELY TO ACCOMMODATE PROP. 800A ELECTRIC SERVICE TO PROP. EQUIPMENT COMPOUND (EXACT DETAILS AND DESIGN TO BE DETERMINED BY ELECTRIC UTILITY COMPANY)
(N)	PROP. VERIZON ELECTRIC SERVICE CONDUIT AND FIBER TELEPHONE SERVICE CONDUIT ROUTED UNDERGROUND (TYP.) FROM VERIZON'S PROP. EQUIPMENT TO PROP. METER BANK AND TELCO HANDHOLE
(O)	PROP. VERIZON EQUIPMENT CABINETS MOUNTED TO PROP. 17'-0"x12'-0" (204 S.F.) REINFORCED CONCRETE PAD
(P)	PROP. VERIZON 12'-0"x11'-10" (142± S.F.) METAL DECK ICE SHIELD (SHOWN TRANSPARENT FOR CLARITY) ABOVE PROP. EQUIPMENT
(Q)	PROP. ELECTRIC TRANSFORMER (EXACT DETAILS AND DESIGN TO BE DETERMINED BY ELECTRIC UTILITY COMPANY)
(R)	PROP. VERIZON 12' WIDE ACCESS AREA/EASEMENT (TO BE IMPROVED WITH GRAVEL ACCESS ROAD WHERE REQUIRED) (TYP.) FROM EXIST. PUBLIC RIGHT-OF-WAY (KENDALL HILL ROAD) TO PROP. EQUIPMENT COMPOUND. SEE SHEET C02 FOR CONTINUATION TO KENDALL HILL ROAD.
(S)	PROP. 12'x20' PARKING SPACE/TURN-AROUND AREA
(3A,B,C A02) (T)	PROP. 2x10 PRESERVATIVE PRESSURE-TREATED WOOD EDGING (TYP.) ALL AROUND PERIMETER OF LEASE AREA AND UTILITY AREA
(U)	(WITHIN PROP. UTILITY EASEMENT) PROP. VERIZON ELECTRIC AND FIBER TELEPHONE SERVICE CONDUITS ROUTED UNDERGROUND (TYP.) FROM PROP. CONNECTIONS TO EXIST. UTILITY SERVICES. SEE SHEET C02 FOR CONTINUATION TO PROP. CONNECTION TO EXIST. MUNICIPAL UTILITY SERVICES (EXIST. UTILITY POLE #18).
(V)	PROP. VERIZON LED DUAL FLOOD LIGHT FIXTURE (TYP. OF 2)
(W)	PROP. FIBER TELEPHONE SERVICE HANDOFF CABINET MOUNTED TO PROP. UNISTRUT RACK. EXACT DETAILS TO BE DETERMINED BY TELEPHONE COMPANY.
(X)	LIMITS OF VERIZON'S PROP. 29'-0"x18'-0" (522 S.F.) EQUIPMENT AREA WITHIN PROP. 50'-0"x50'-0" (2,500 S.F.) EQUIPMENT COMPOUND (TYP.)
(Y)	PROP. VERIZON 1,000 GALLON WATER CAPACITY (800 GALLON OPERATING CAPACITY) PROPANE TANK ON PROP. 5'-0"x18'-0" (90 S.F.) REINFORCED CONCRETE PAD
(Z)	PROP. 5'-0"x18'-0" (90 S.F.) REINFORCED CONCRETE PAD
(AA)	EXTENT OF 10' CLEARANCE RADIUS FROM PROP. PROPANE TANK SOURCE OF IGNITION (TYP.)

NOTE:  
THE 51'-6"x51'-6" (2,652.25 S.F.) LEASE AREA SHOWN ON THESE DRAWINGS REFERS TO THE LEASED SPACE GRANTED TO VERIZON WIRELESS BY THE LAND OWNER TO FACILITATE THE CONSTRUCTION OF THE 50'-0"x50'-0" (2,500 S.F.) WIRELESS TELECOMMUNICATIONS EQUIPMENT COMPOUND.

#### CONTOUR LEGEND (1 FOOT INTERVALS)

##	PROP. CONTOUR
##	EXIST. CONTOUR (TO REMAIN UNDISTURBED)
---	EXIST. CONTOUR (TO BE ALTERED AS SHOWN)

CLIENT:

**verizon**  
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ARCHITECT/ENGINEER:

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ENGINEER/LAND SURVEYOR DATE

#### DRAWING SCALE NOTE:

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#### REVISIONS

NO.	DESCRIPTION	DATE
0	ISSUED FOR REVIEW	12/5/22

PROJECT NAME:

**STERLING 4 MA**

56 KENDALL HILL ROAD  
STERLING, MA 01564

DRAWING TITLE:

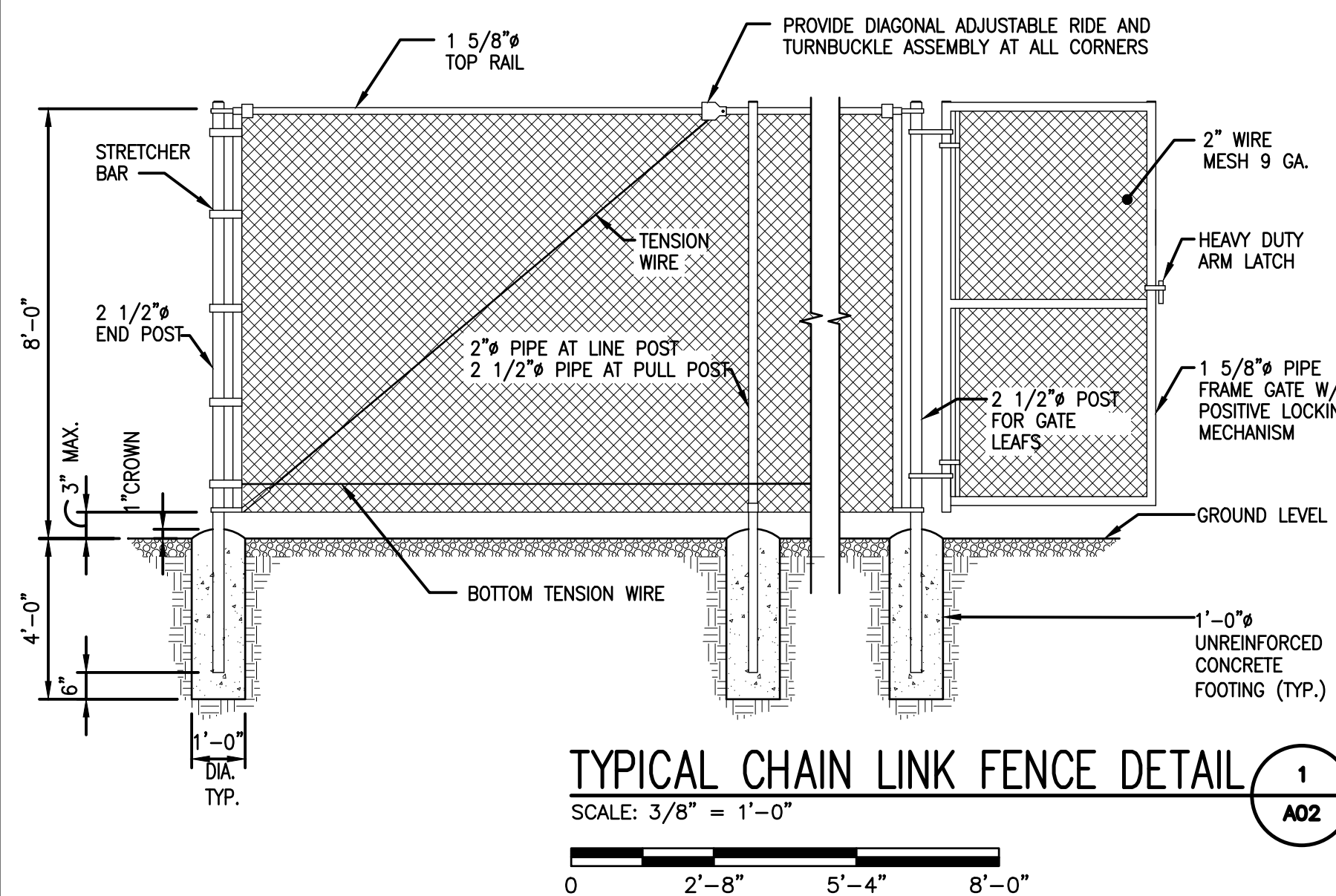
**EQUIPMENT  
COMPOUND PLAN**

DRAWING NO:

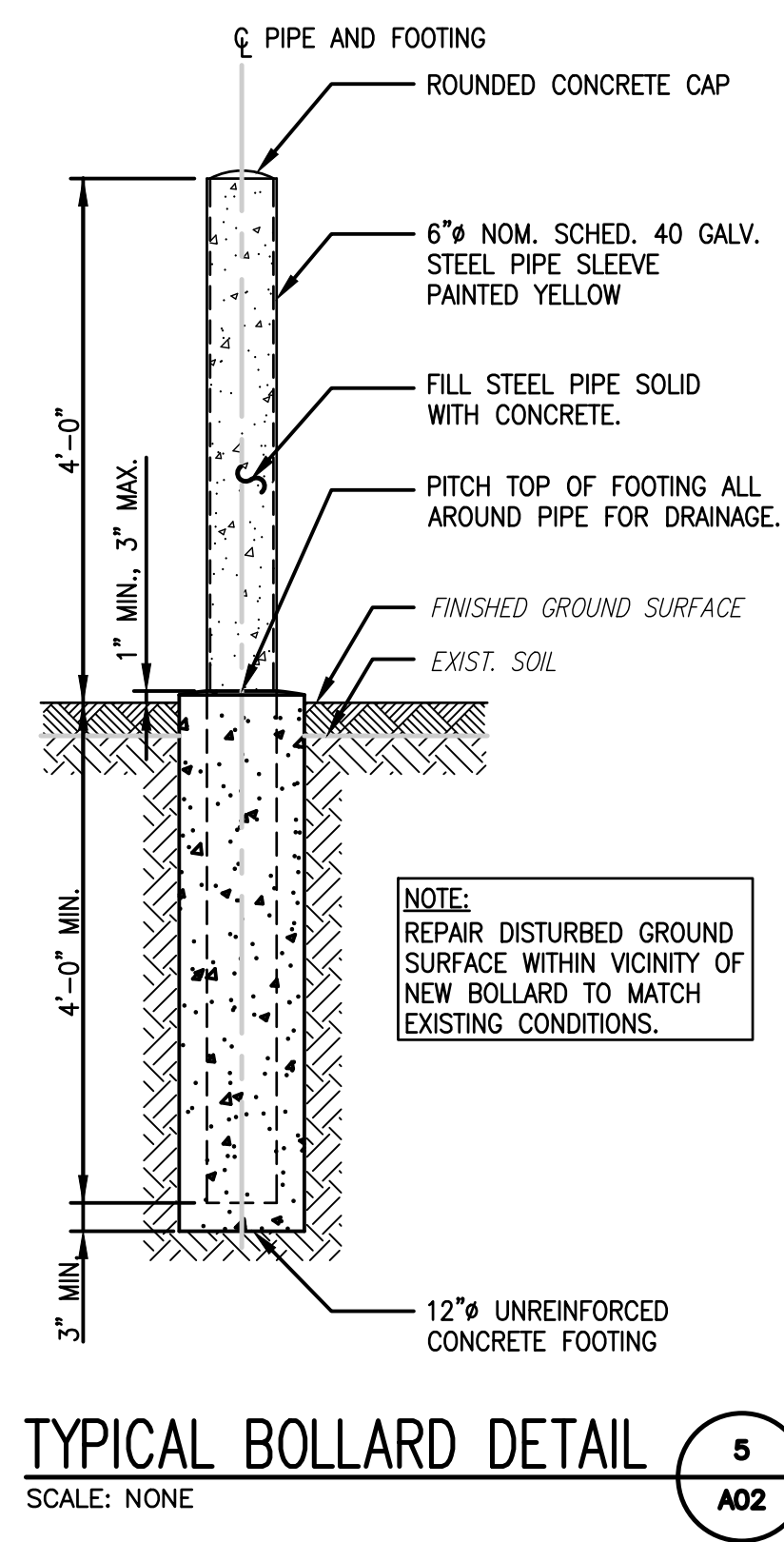
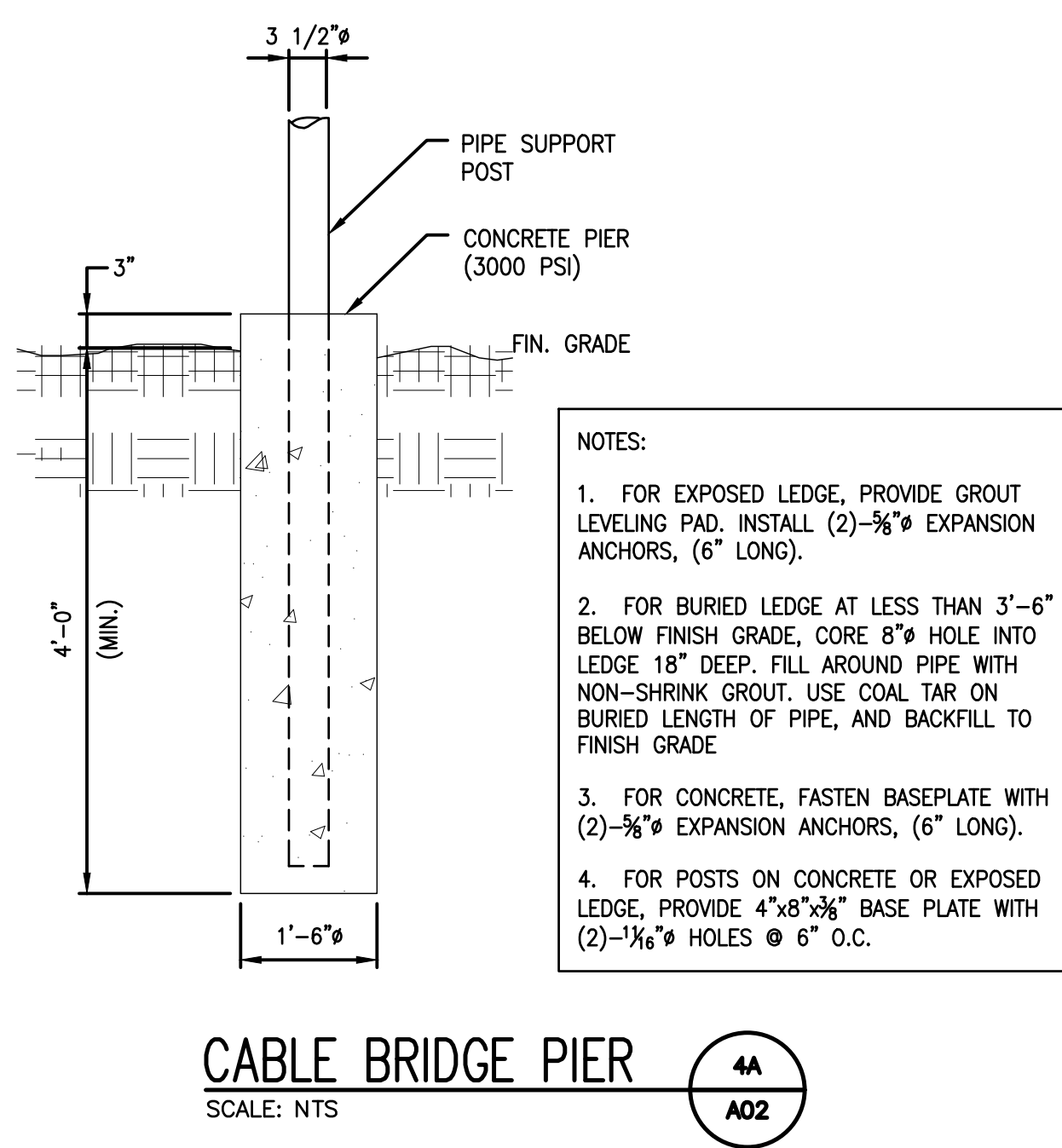
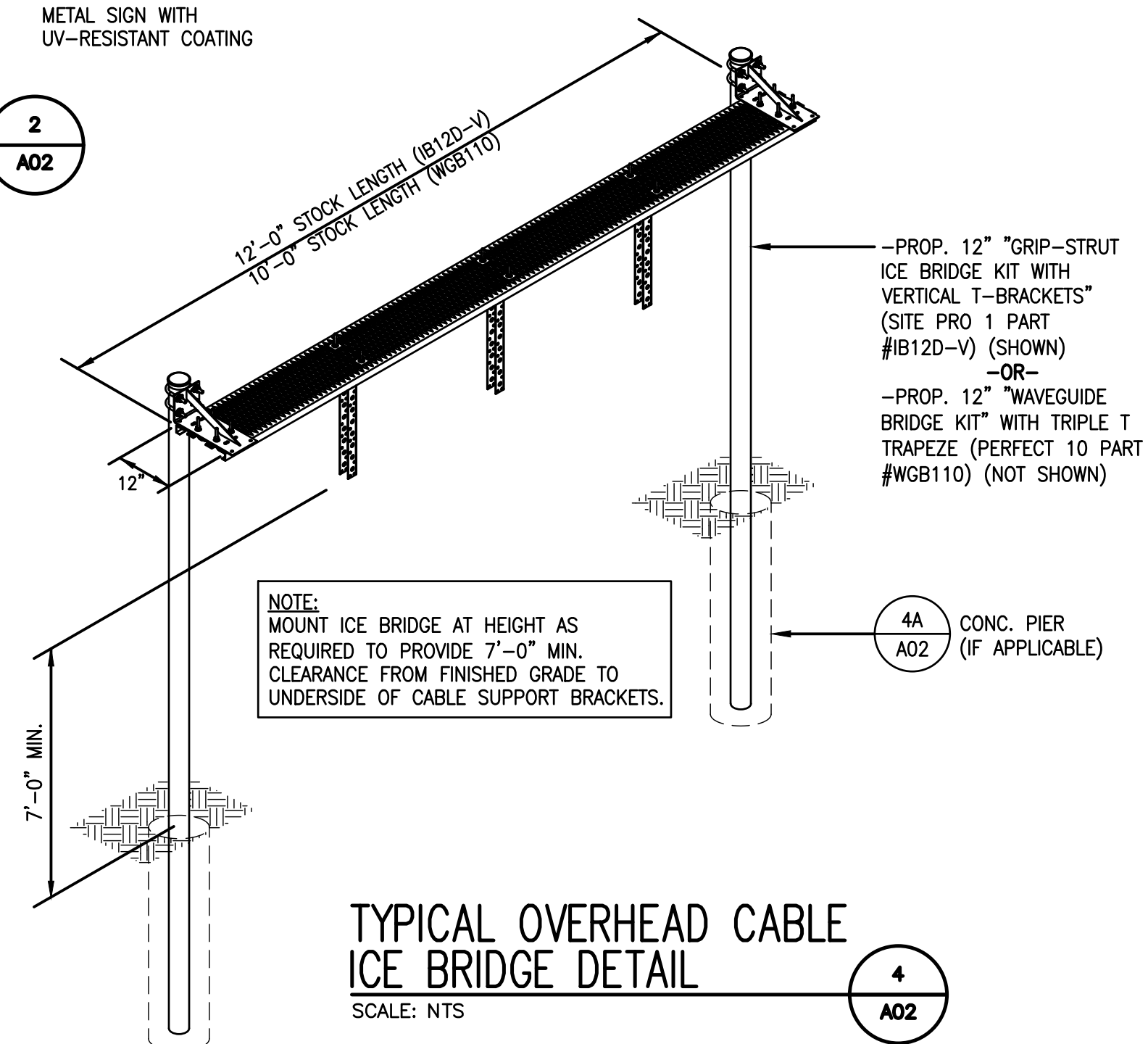
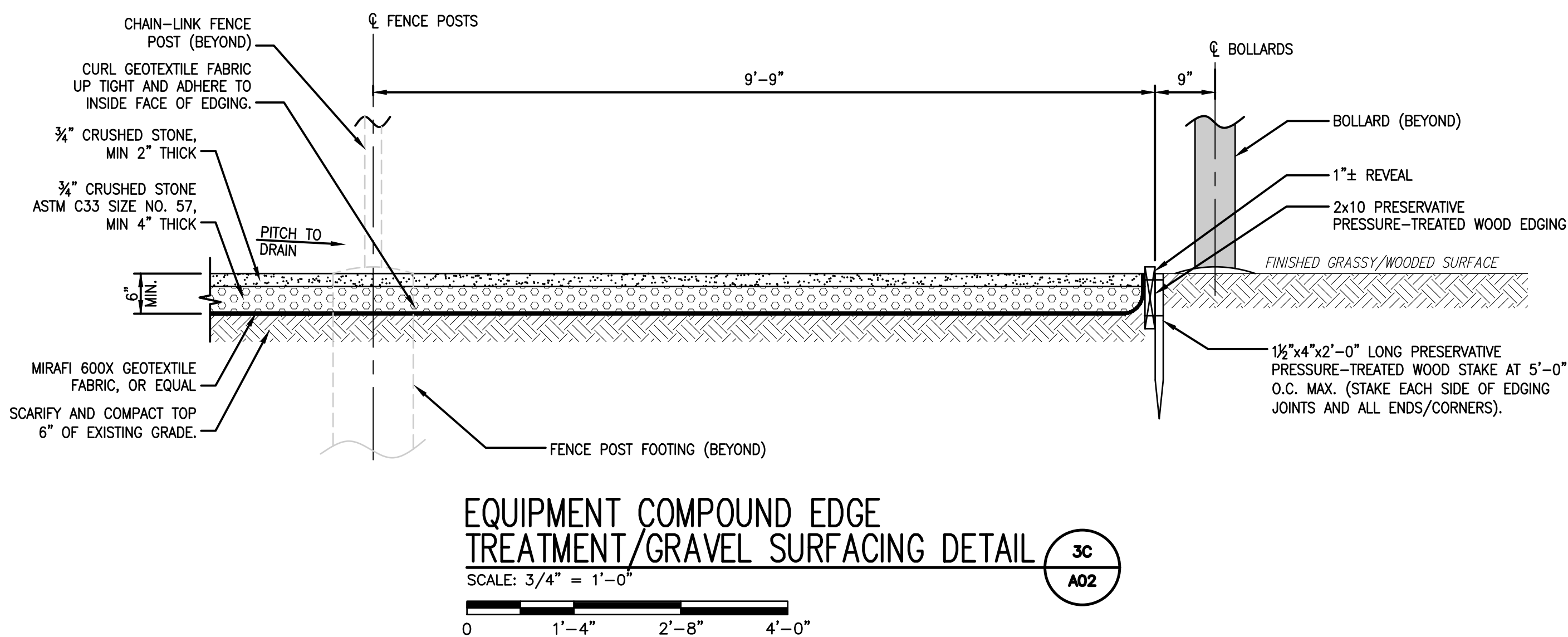
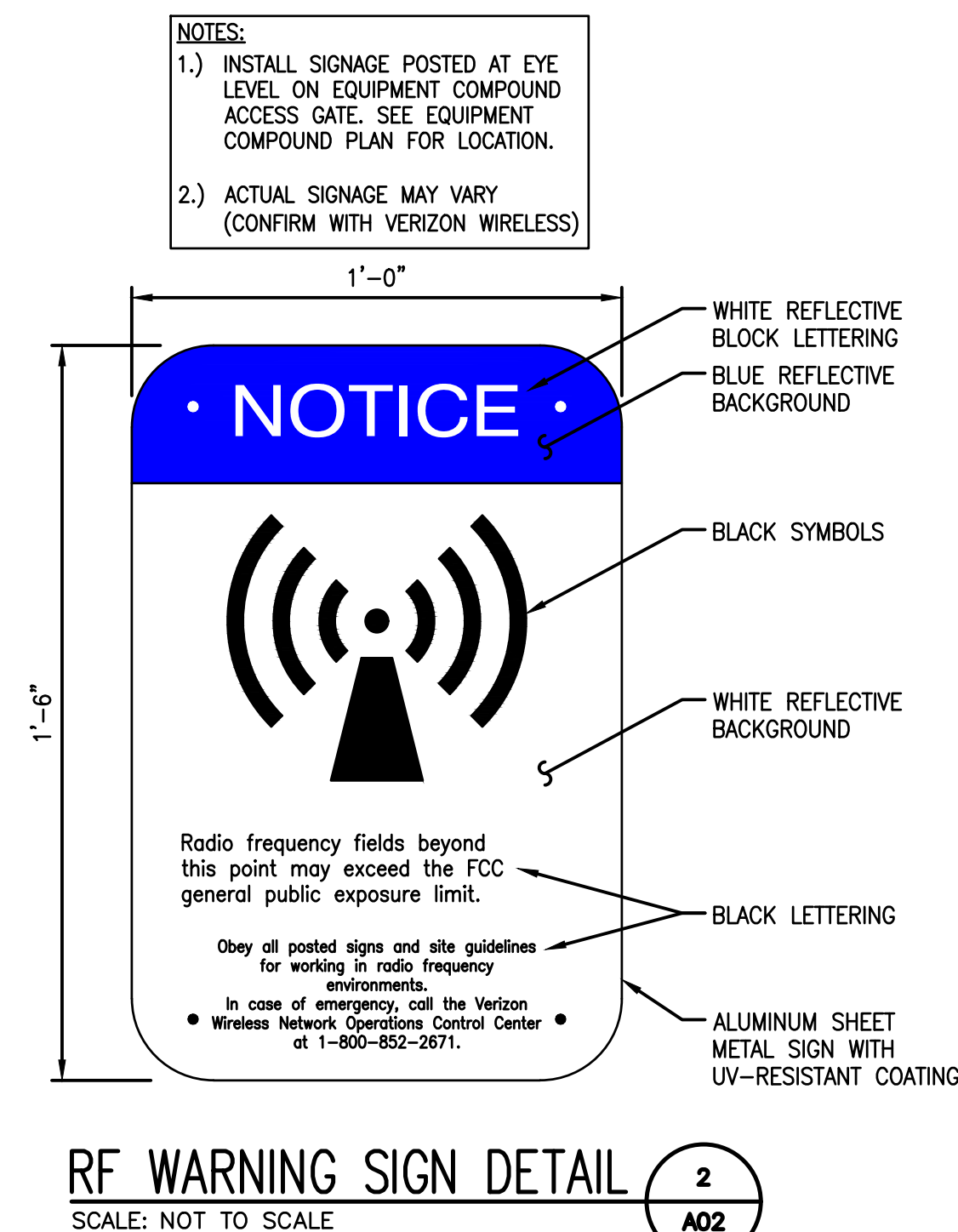
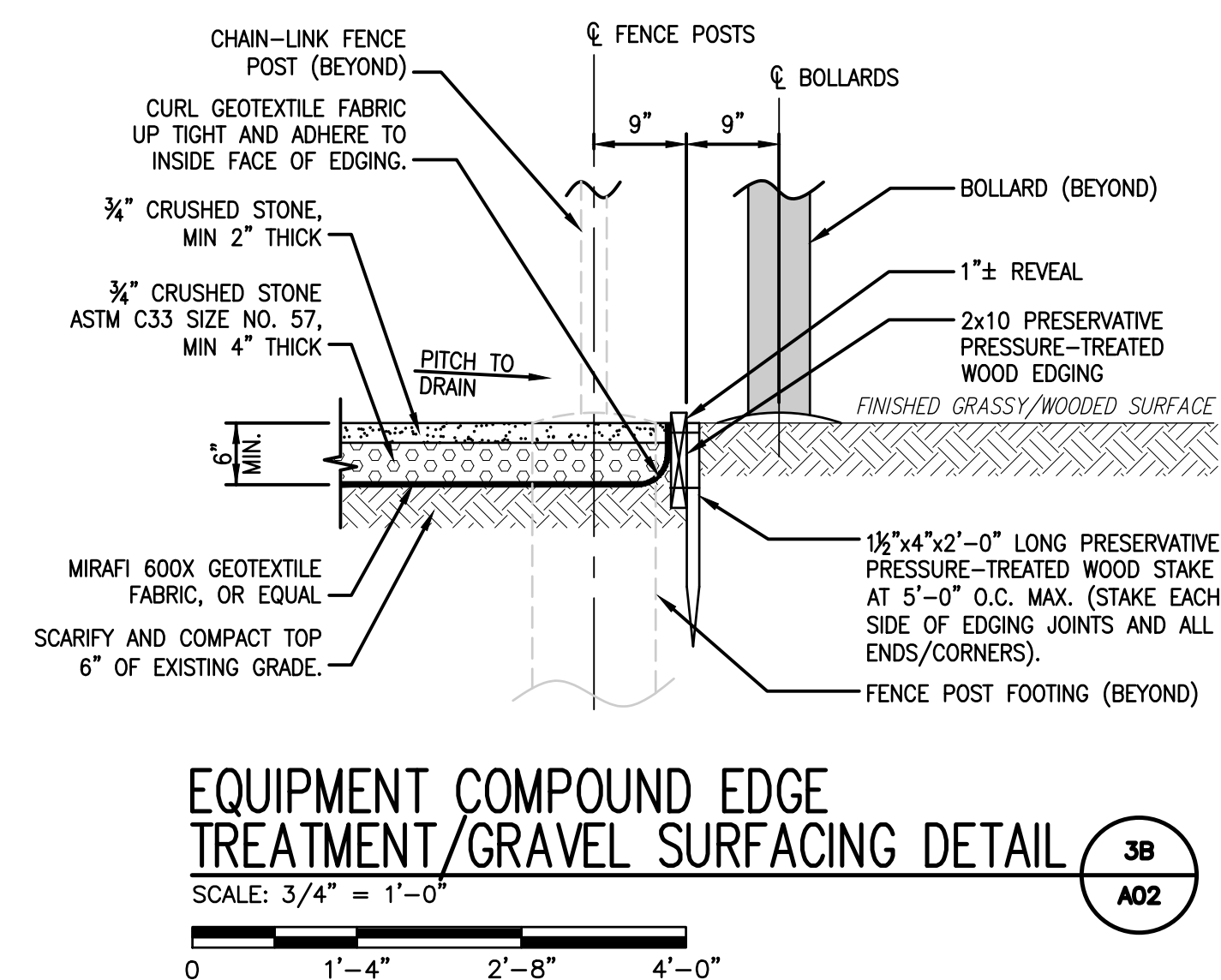
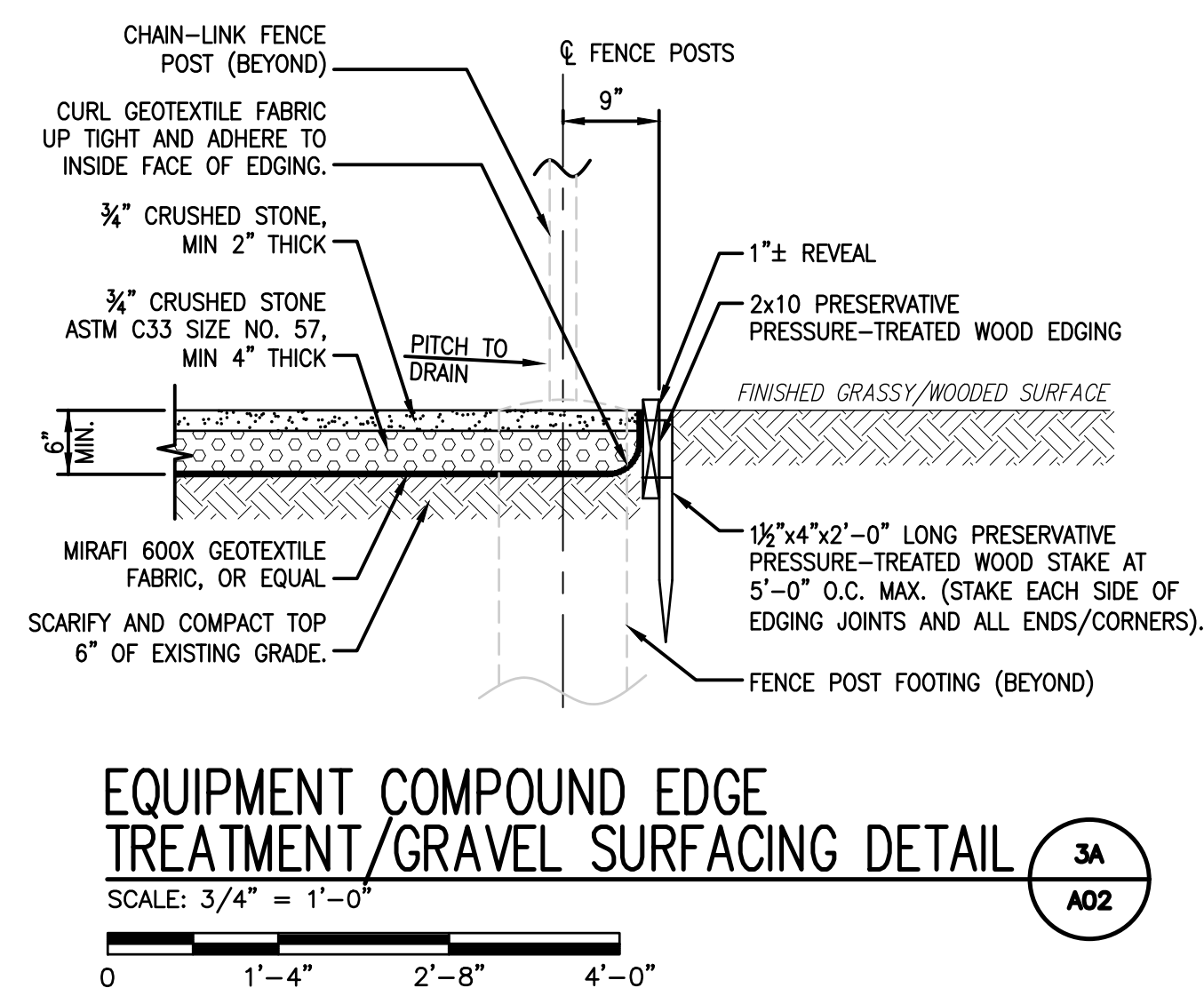
**A01**

SCALE: 3/16" = 1'-0"	DESIGNED BY: GRS/JNS DRAWN BY: NWC CHECKED BY: GRS	VZW PROJECT CODE: 20161531843 VZW PROJECT NO.: 2245166 VZW LOCATION CODE: 289269
CEA PROJECT NO.: 96210.406	ORIGINAL ISSUE DATE: 12/5/22	






- ## FENCING NOTES
1. INSTALL FENCING PER ASTM F-567, SWING GATE PER ASTM F-900.
  2. ALL POSTS AND TOP RAILS SHALL BE SCHEDULE 40 PIPE PER ASTM F-1083.
  3. ALL FABRIC SHALL BE 12 GA. CORE WIRE SIZE 2" MESH CONFORMING TO ASTM A-392.
  4. TENSION WIRE SHALL BE 7 GA. GALV. STEEL
  5. THE WIRE SHALL BE 11 GA. GALV. STEEL (MIN.) AT POSTS AND RAILS. A SINGLE WARP FABRIC TIE AT TENSION WIRE BY HOG RINGS SPACED MAX. OF 24" INTERVALS.
  6. STEEL FENCE SYSTEM SHALL INCLUDE THE POSTS, FABRIC, GATE SYSTEM AND ALL NECESSARY ERECTION ACCESSORIES, FITTINGS AND FASTENINGS. ALL FENCE SYSTEM COMPONENTS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153. GATES SHALL BE SWING GATES (SEE PLAN FOR SIZE(S)).



CLIENT:

ARCHITECT/ENGINEER:



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[illegible]

PROJECT NAME:

STERLING 4 MA

56 KENDALL HILL ROAD  
STERLING, MA 01564

DRAWING TITLE:

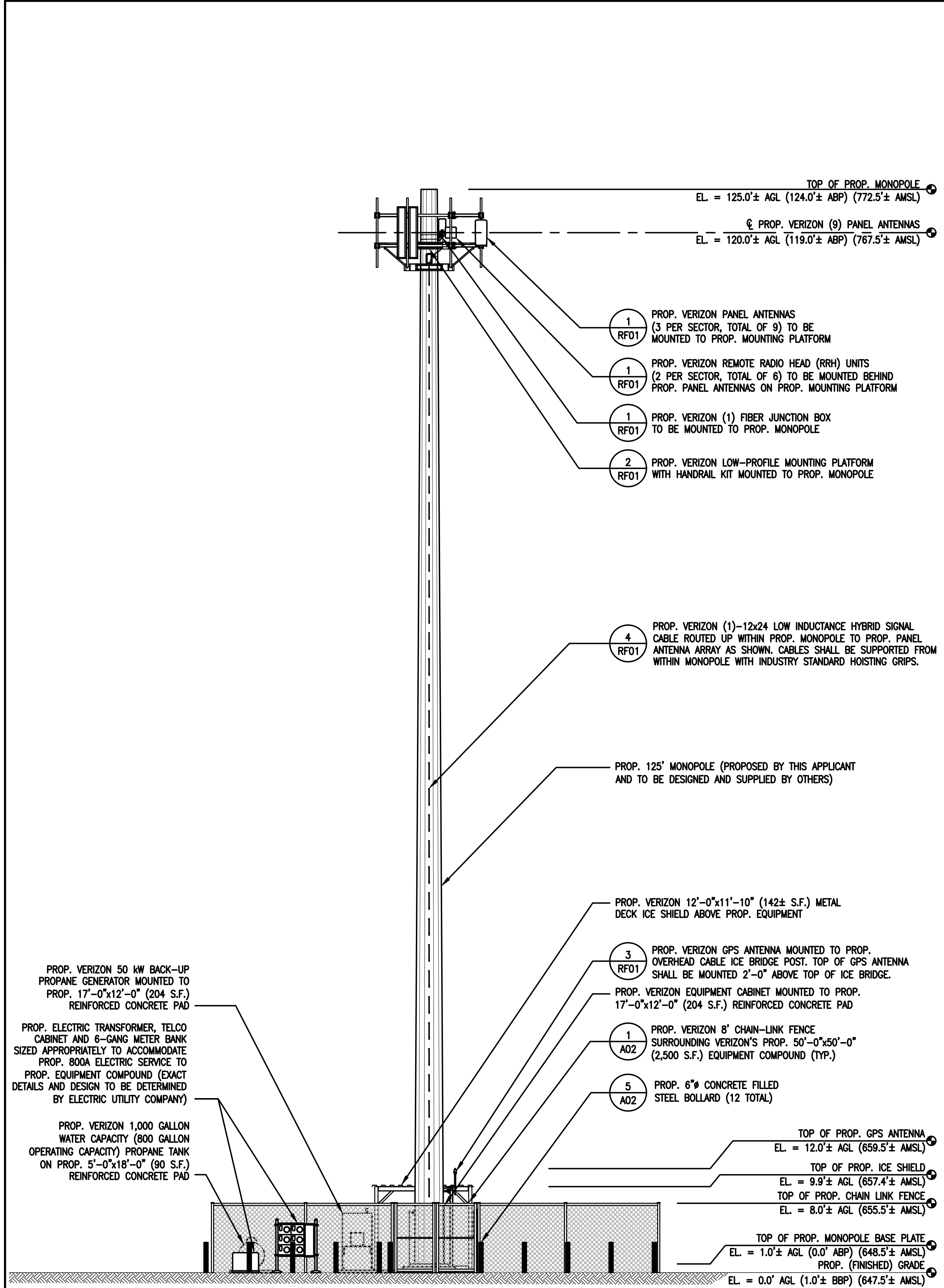
## SITE DETAILS

DRAWING NO:

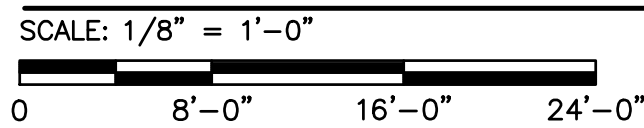
# A02

SCALE:	DESIGNED BY: GRS/JNS	VZW PROJECT CODE:
AS SHOWN	DRAWN BY: NWC	20161531843
	CHECKED BY: GRS	VZW PROJECT NO.:
CEA PROJECT NO.:	ORIGINAL ISSUE DATE:	2245166
96210.406	12/5/22	VZW LOCATION CODE:
		289269



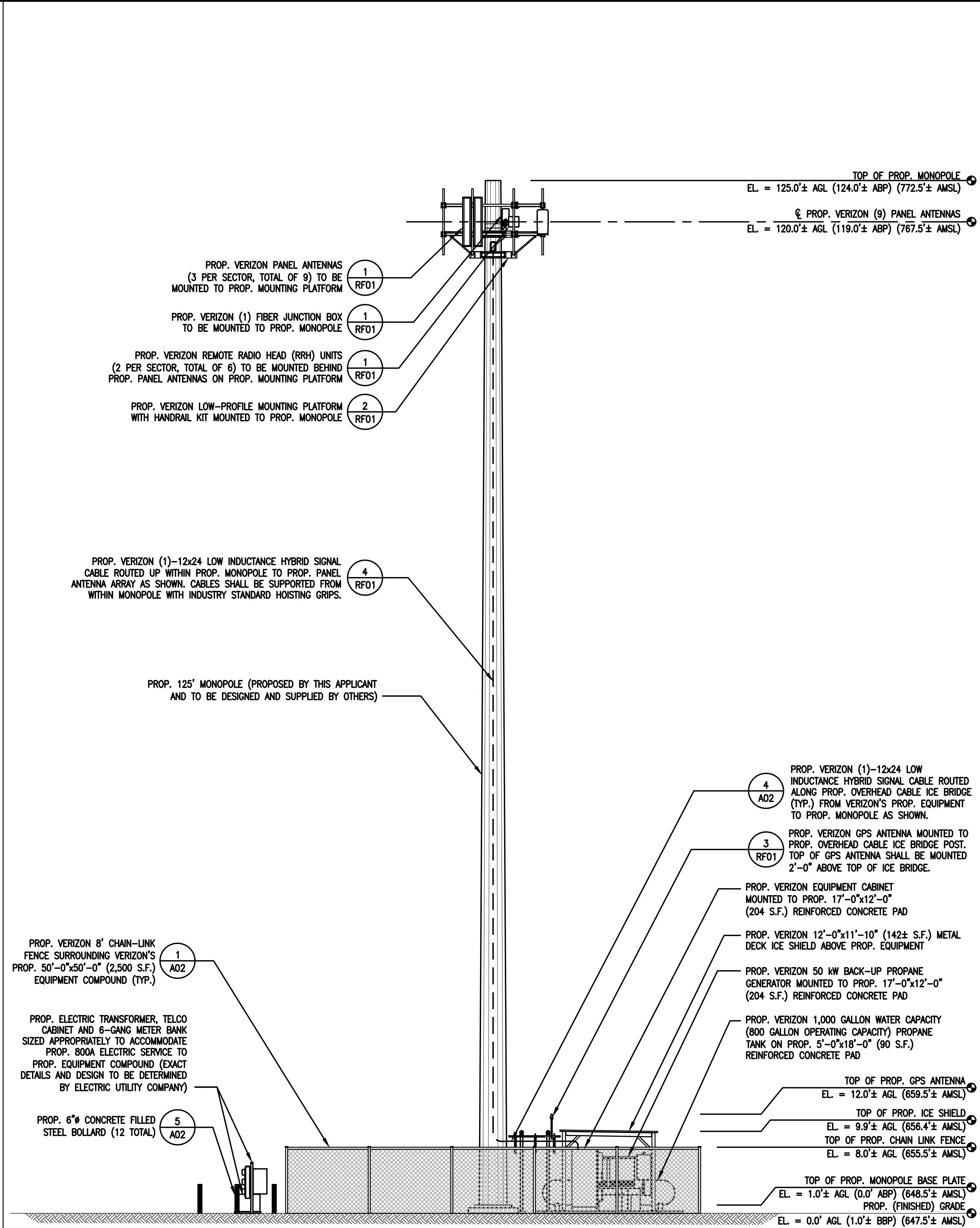


NORTHWEST COMPOUND ELEVATION

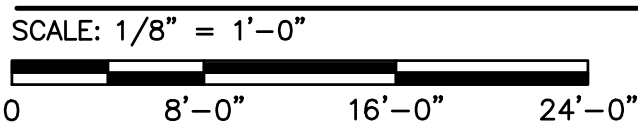


1  
A03

LEGEND	
AGL	ABOVE GROUND LEVEL
ABP	ABOVE MONOPOLE BASE PLATE
BBP	BELOW MONOPOLE BASE PLATE
AMSL	ABOVE MEAN SEA LEVEL



SOUTHWEST COMPOUND ELEVATION

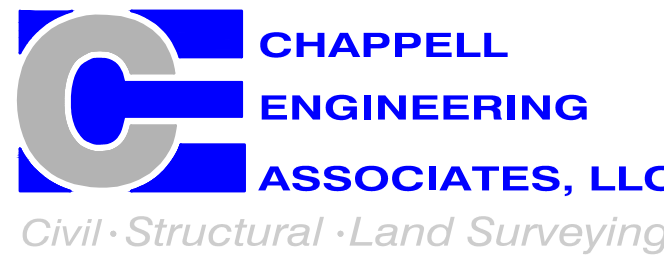


2  
A03

CLIENT:



ARCHITECT/ENGINEER:



SEAL:

ENGINEER/LAND SURVEYOR

DATE

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REVISIONS

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PROJECT NAME:

STERLING 4 MA

56 KENDALL HILL ROAD  
STERLING, MA 01564

DRAWING TITLE:

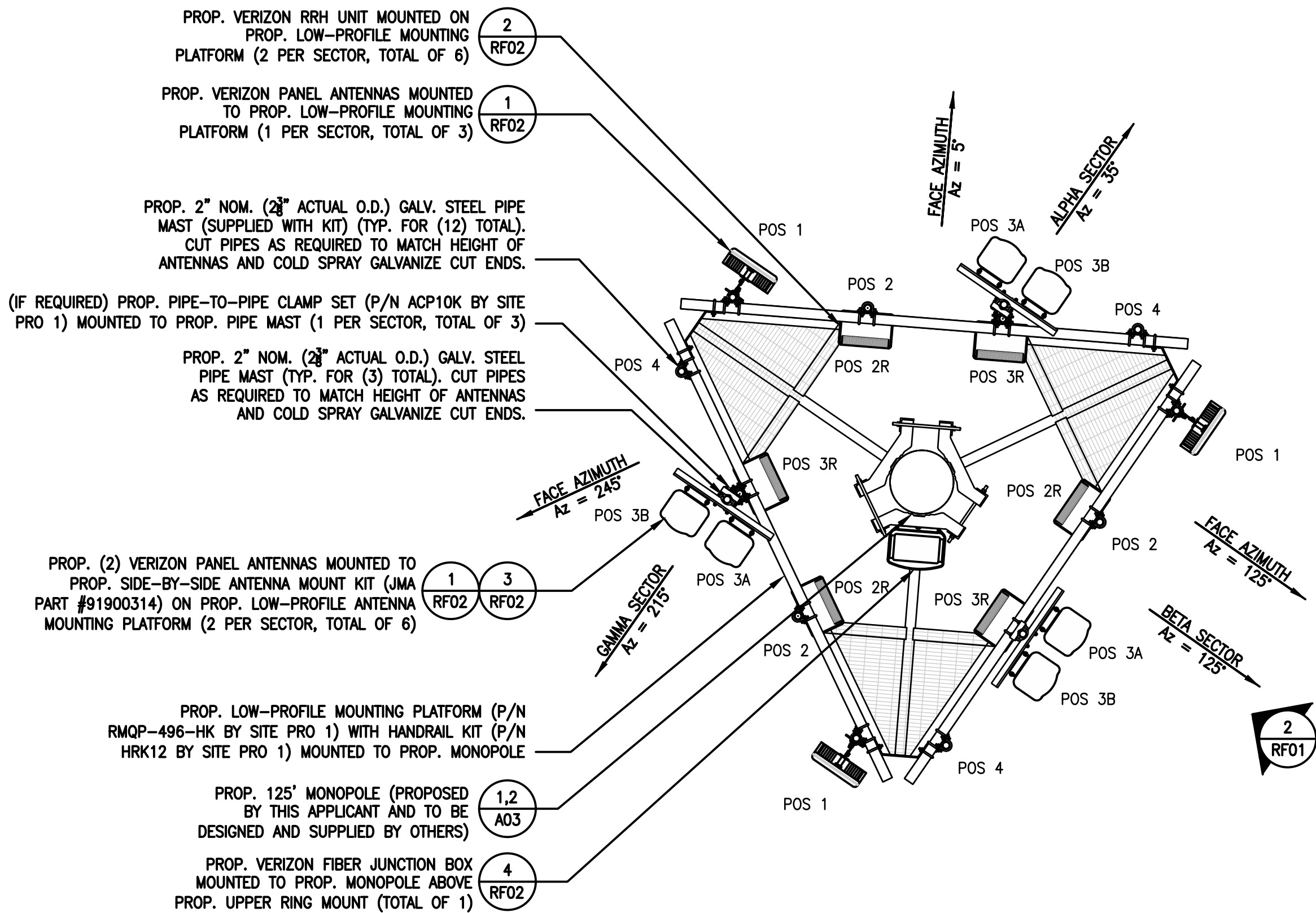
NORTHWEST  
COMPOUND ELEVATION  
AND SOUTHWEST  
COMPOUND ELEVATION

DRAWING NO:

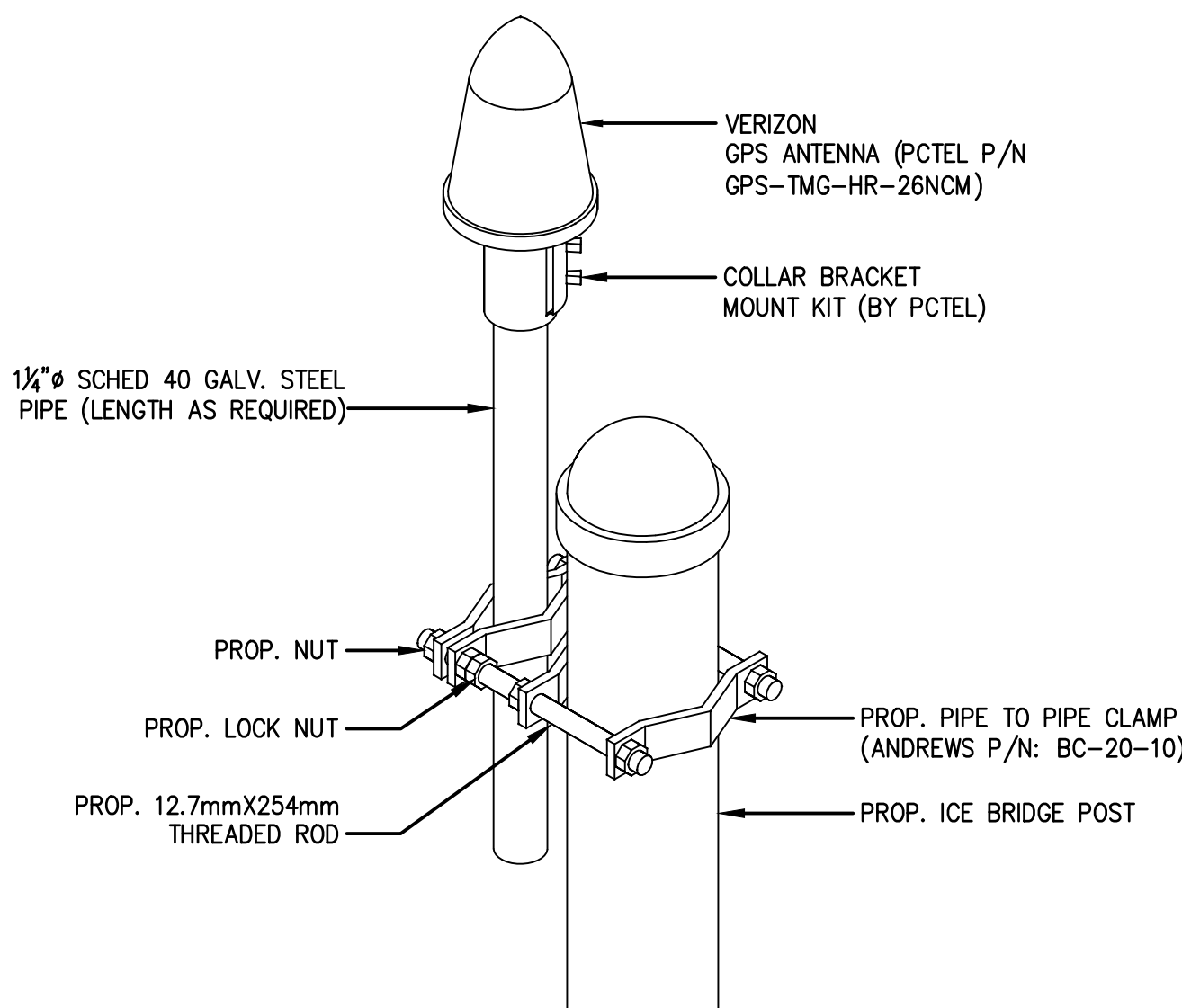
A03

SCALE: 1/8" = 1'-0"	DESIGNED BY: GRS/INS DRAWN BY: NWC CHECKED BY: GRS	VZW PROJECT CODE: 20161531843 VZW PROJECT NO.: 2245166 VZW LOCATION CODE: 269269
CEA PROJECT NO.: 96210.406	ORIGINAL ISSUE DATE: 12/5/22	





(PROP. MONOPOLE PLAN VIEW AT ELEVATION 120.0'± AGL)

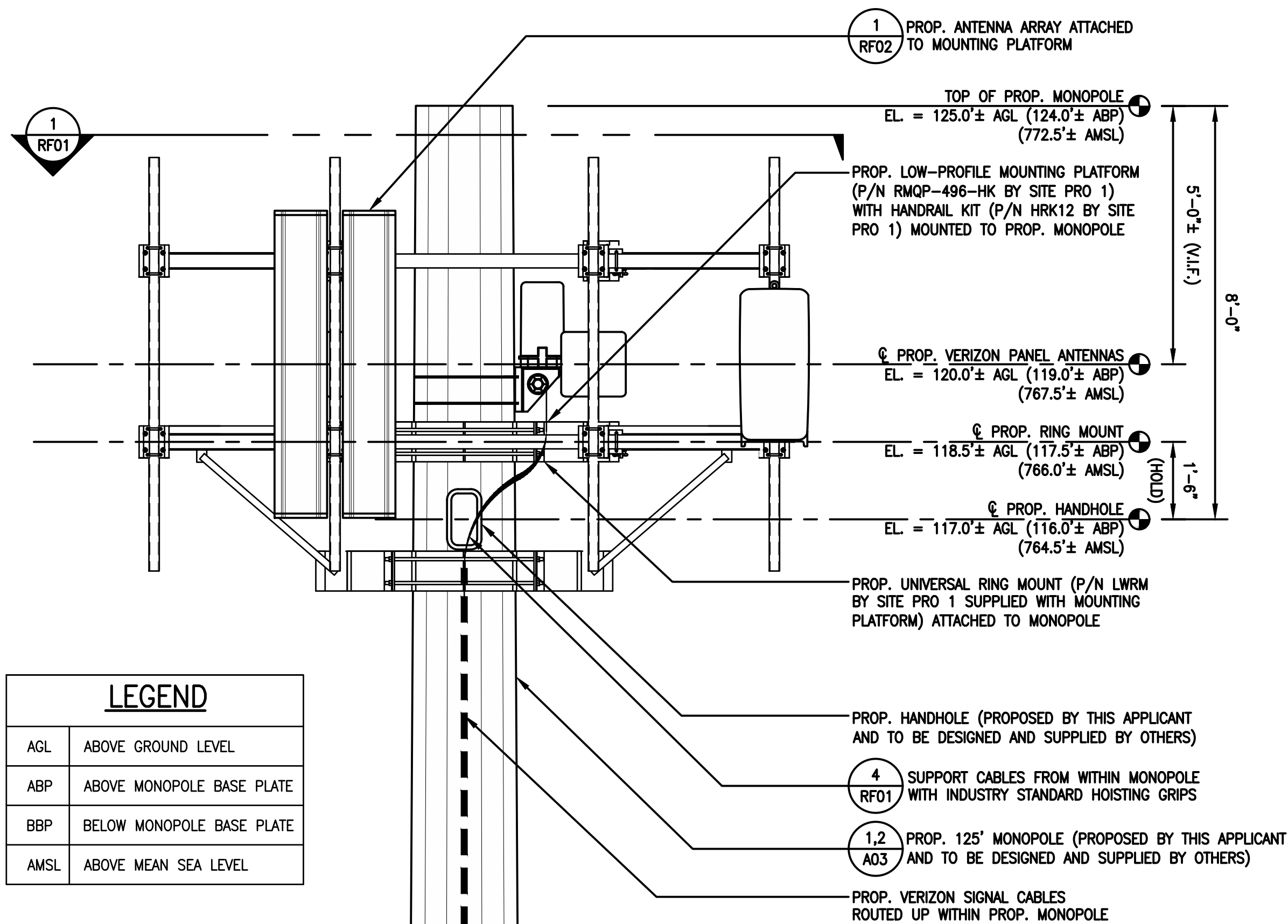


NOTE:  
THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A STANDARD 1"-1 1/2" DIAMETER GALVANIZED STEEL OR STAINLESS STEEL PIPE. THE PIPE MUST NOT BE THREADED AT THE ANTENNA MOUNT END. THE PIPE SHALL BE CUT TO THE REQUIRED LENGTH USING A HAND OR ROTARY PIPE CUTTER TO ASSURE A SMOOTH AND PERPENDICULAR CUT. THE CUT PIPE END SHALL BE DEBURRED AND SMOOTH IN ORDER TO SEAL AGAINST THE NEOPRENE GASKET ATTACHED TO THE ANTENNA MOUNT.

GPS ANTENNA MOUNTING DETAIL

SCALE: N.T.S.

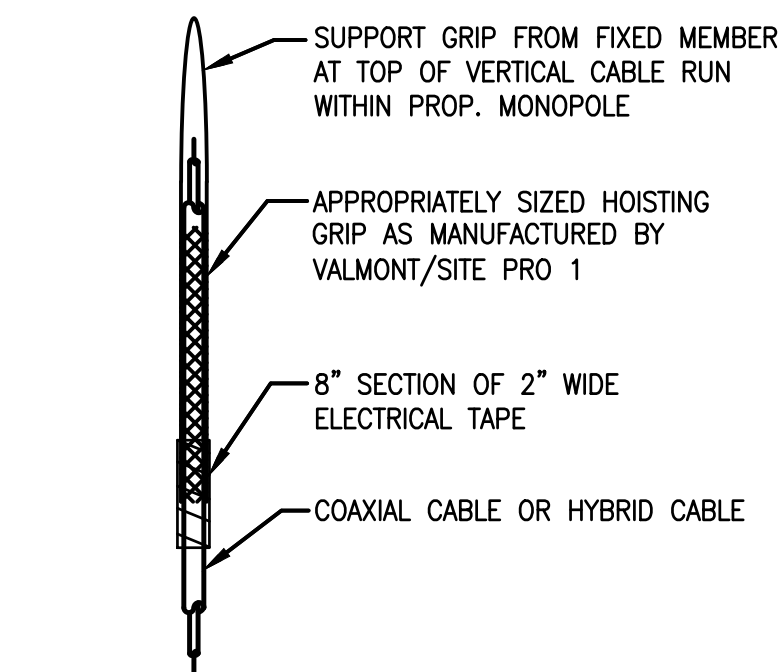
3 RF01



ANTENNA MOUNTING PLATFORM MOUNTING DETAIL

SCALE: 1/2" = 1'-0"

2 RF01



TYPICAL HOISTING GRIP DETAIL

SCALE: NONE

4 RF01

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#### REVISIONS

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PROJECT NAME:

**STERLING 4 MA**

56 KENDALL HILL ROAD  
STERLING, MA 01564

DRAWING TITLE:

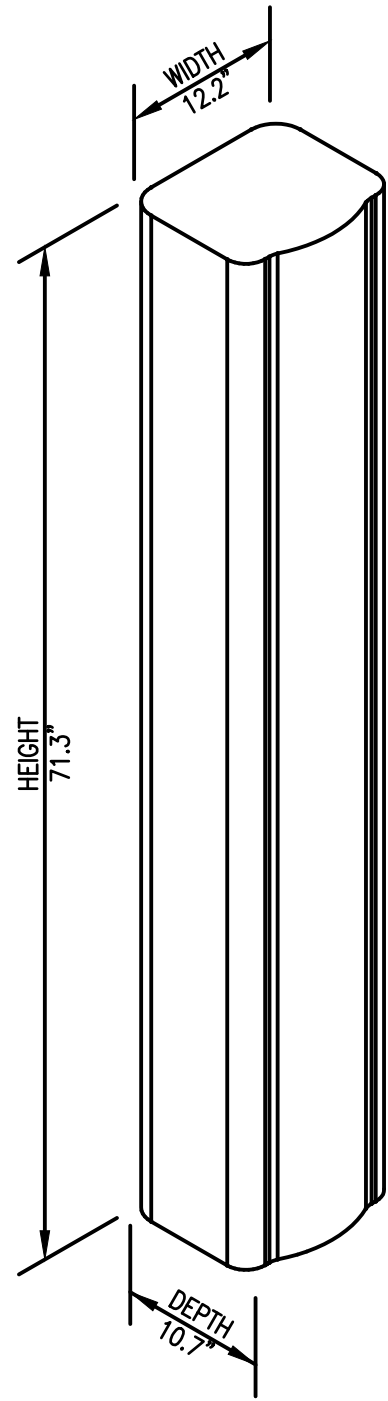
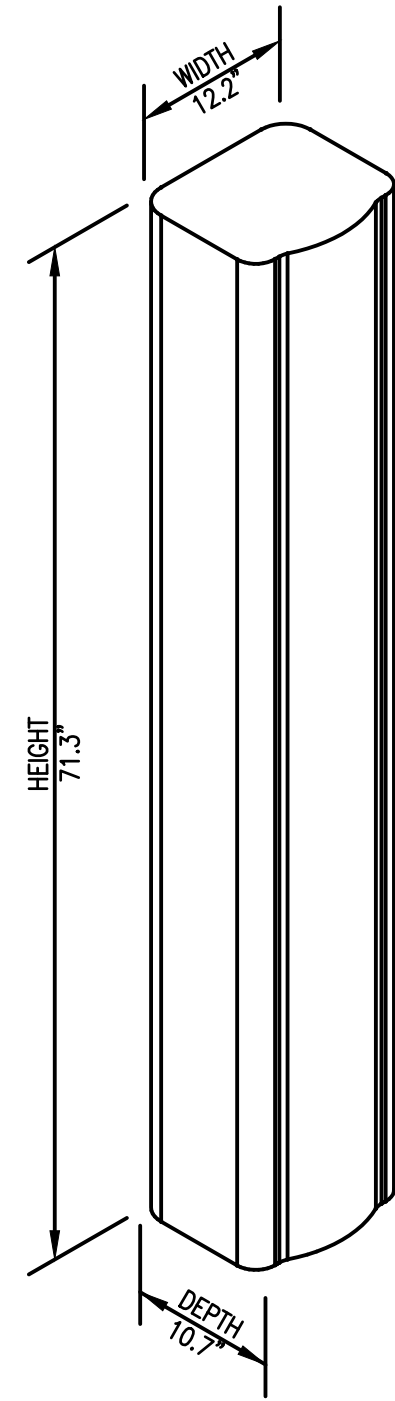
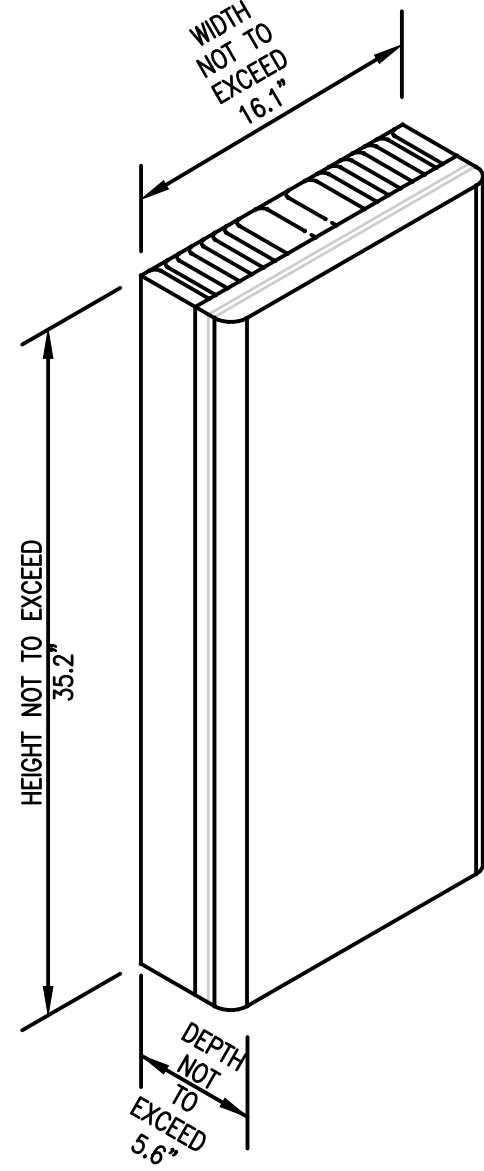
ANTENNA MOUNTING PLAN  
AND DETAILS

DRAWING NO.:

**RF01**

SCALE: AS SHOWN	DESIGNED BY: GRS/INS DRAWN BY: NWC CHECKED BY: GRS	VZW PROJECT CODE: 20161531843 VZW PROJECT NO.: 2245166 VZW LOCATION CODE: 289269
CEA PROJECT NO.: 96210.406	ORIGINAL ISSUE DATE: 12/5/22	





POSITION 1	MT6407-77A ANTENNA
MAX. DIMENSIONS:	35.2"H x 16.1"W x 5.6"D
MAX. WEIGHT:	87.1 LBS EACH
QUANTITY:	1 PER SECTOR, TOTAL OF 3
STATUS: PROPOSED	

POSITION 2	VACANT PIPE MAST
QUANTITY:	1 PER SECTOR, TOTAL OF 3
STATUS: PROPOSED	

ITEM 3A	LTE (700/850/1900/2100 MHz) PANEL ANTENNA
DIMENSIONS:	71.3"H x 12.2"W x 10.7"D
WEIGHT:	51.0 LBS EACH
QUANTITY:	1 PER SECTOR, TOTAL OF 3
STATUS: PROPOSED	

ITEM 3B	LTE (700/850/1900/2100 MHz) PANEL ANTENNA
DIMENSIONS:	71.3"H x 12.2"W x 10.7"D
WEIGHT:	51.0 LBS EACH
QUANTITY:	1 PER SECTOR, TOTAL OF 3
STATUS: PROPOSED	

POSITION 4	VACANT PIPE MAST
QUANTITY:	1 PER SECTOR, TOTAL OF 3
STATUS: PROPOSED	

TYPICAL PROP. PANEL ANTENNA SPECIFICATIONS  
SCALE: N.T.S.

1  
RF02



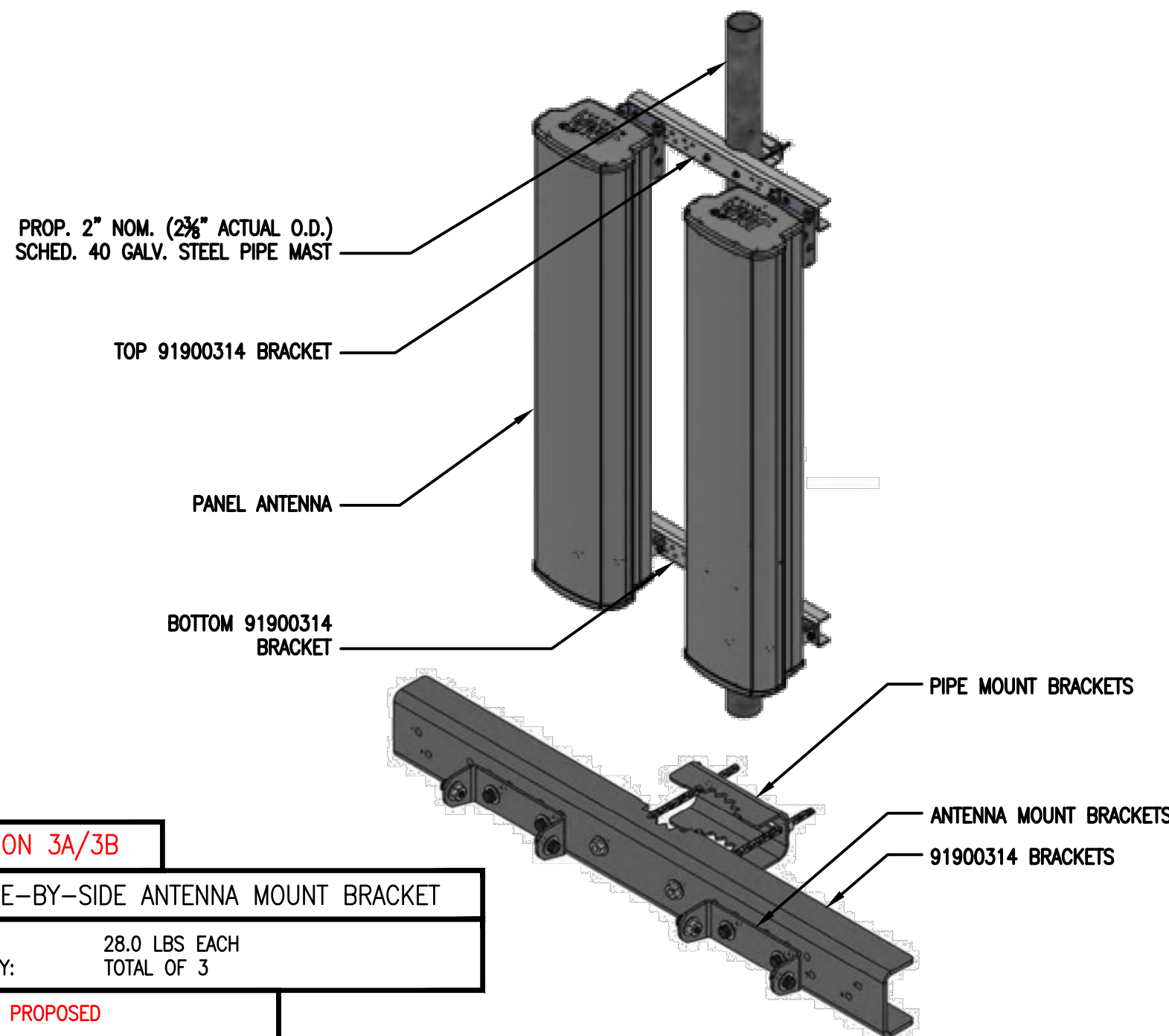
POSITION 2R	LTE/NR (700/850 MHz) REMOTE RADIO HEAD UNIT
DIMENSIONS:	15.0"H x 15.0"W x 9.0"D
WEIGHT:	70.3 LBS
QUANTITY:	1 PER SECTOR, TOTAL OF 3
STATUS: PROPOSED	

POSITION 3R	LTE/NR (1900/2100 MHz) REMOTE RADIO HEAD UNIT
DIMENSIONS:	15.0"H x 15.0"W x 10.0"D
WEIGHT:	74.7 LBS
QUANTITY:	1 PER SECTOR, TOTAL OF 3
STATUS: PROPOSED	

POSITION 3A/3B	SIDE-BY-SIDE ANTENNA MOUNT BRACKET
WEIGHT:	28.0 LBS EACH
QUANTITY:	TOTAL OF 3
STATUS: PROPOSED	

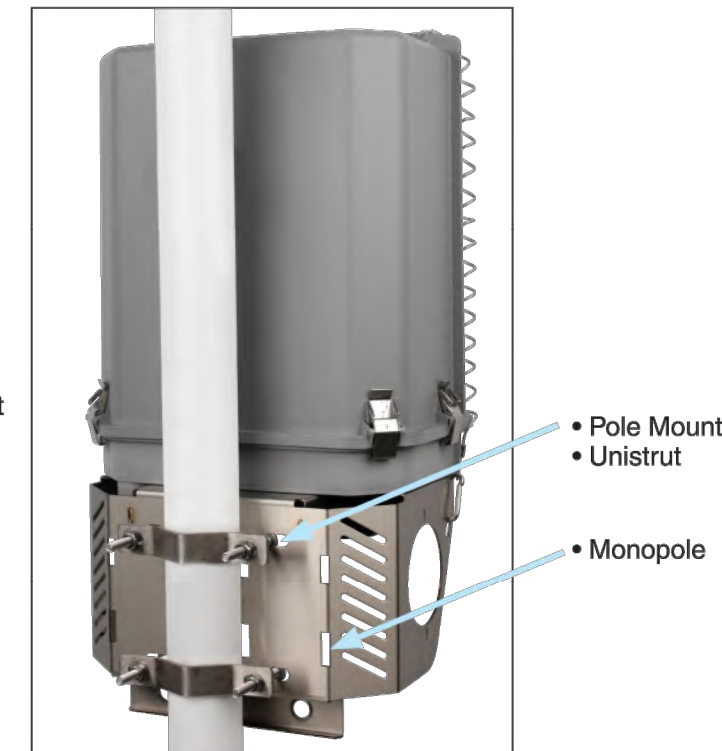
TYPICAL SIDE-BY-SIDE ANTENNA MOUNT KIT (JMA PART #91900314)  
SCALE: NOT TO SCALE

3  
RF02



#### Procedure Mounting Procedures

- 4.1 A mounting base is delivered with the unit. The base allows either wall/ladder or pole mounted installation. See picture to identify the holes for each installation method.
- 4.2 **Option 1: Pole Mount**  
Using supplied hardware, mount Bracket to 2" to 4" diameter pole.
- 4.3 **Option 2: Unistrut**
- 4.4 **Option 3: Monopole**  
Use 1" stainless steel bands (not supplied) through slots on bracket to mount to Monopole.



#### Gland/Insert Definitions

- 5.1 See picture to identify Base Gland Assembly Definitions.

Assembled in unit as shipped:

Qty	Connector Size	Pos	Insert P/N	Insert Hole	Cable Type
2	M75	A	190-0760	42mm	6x12 RL
4	M75	B	190-0738	3x 16.5mm	1x2



Included in kit shipped with unit:

Qty	Connector Size	Insert P/N	Insert Hole	Cable Type	Purpose	Pos
2	M75	190-0760	42mm	6x12 RL	2 glands fit 1 each 6/12 Hyb	B
2	M75	190-0747	2x 24.5mm	2x12 DC	2 glands fit 2 each #6 12 cond DC	B
1	M75	190-0905	2x 10.5mm	2x12 Fiber	1 gland fit 2 x 12 fiber trunk	B
1	M75	190-0912	2x 9.5mm	2 ETH	1 gland fits 2 ethernet cable	B

FIBER JUNCTION BOX	
DIMENSIONS:	29.58"H x 16.5"W x 12.6"D
WEIGHT:	32.0 LBS
QUANTITY:	TOTAL OF 1
STATUS: PROPOSED	

TYPICAL FIBER JUNCTION BOX DIMENSIONS, SCHEMATIC AND MOUNTING PROCEDURE  
SCALE: N.T.S.

4  
RF02

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PROJECT NAME:

STERLING 4 MA

56 KENDALL HILL ROAD  
STERLING, MA 01564

DRAWING TITLE:

ANTENNA DETAILS AND  
ANCILLARY EQUIPMENT  
SPECIFICATIONS

DRAWING NO:

RF02

SCALE:	DESIGNED BY: GRS/INS	VZW PROJECT CODE:
AS SHOWN	DRAWN BY: NWC	20161531843
CEA PROJECT NO.:	CHECKED BY: GRS	VZW PROJECT NO.:
96210.406	ORIGINAL ISSUE DATE:	2245166
	12/5/22	VZW LOCATION CODE:
		289269