

DoIT PORTAL #: EXT 2264
BSL APPROVAL ON FILE

EXTENET ID:
BB_01_new

LATITUDE / LONGITUDE:
42.350466 / -71.086563

SITE ADDRESS:
27 HEREFORD ST

CITY, STATE, ZIP:
BOSTON, MA 02115



CALL BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
72 HOURS NOTICE REQUIRED.
ENTER 1-888-DIG-SAFE

NOTE:
GENERAL CONTRACTOR IS REQUIRED TO CROSS CHECK COORDINATES, EXHIBIT PHOTO, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND, CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRECTED TO ASSIGNED EXTENET PROJECT MANAGER.

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

27 HEREFORD ST
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN

SCALE:	AS NOTED
DRAWN BY:	GL
PLAN ORIG. DATE:	07/23/20

REVISIONS:

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/27/21

SITE INFO:

LAT: 42.350466
LONG: -71.086563
EXTENET NODE ID:
BB_01_new
SITE ADDRESS:
27 HEREFORD ST
SHEET TITLE:
TITLE SHEET

SHEET NUMBER:

T-1

GENERAL NOTES

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.

SITE INFORMATION

EXTENET NODE ID:	BB_01_new
LATITUDE:	42.350466
LONGITUDE:	-71.086563
SITE ADDRESS:	27 HEREFORD ST
CITY, STATE ZIP:	BOSTON, MA 02115
COUNTY:	SUFFOLK
JURISDICTION:	BOSTON
PROPERTY OWNER:	PUBLIC RIGHT-OF-WAY
APPLICANT:	EXTENET SYSTEMS 3030 WARRENVILLE RD LISLE, IL 60532 (630) 505-3800

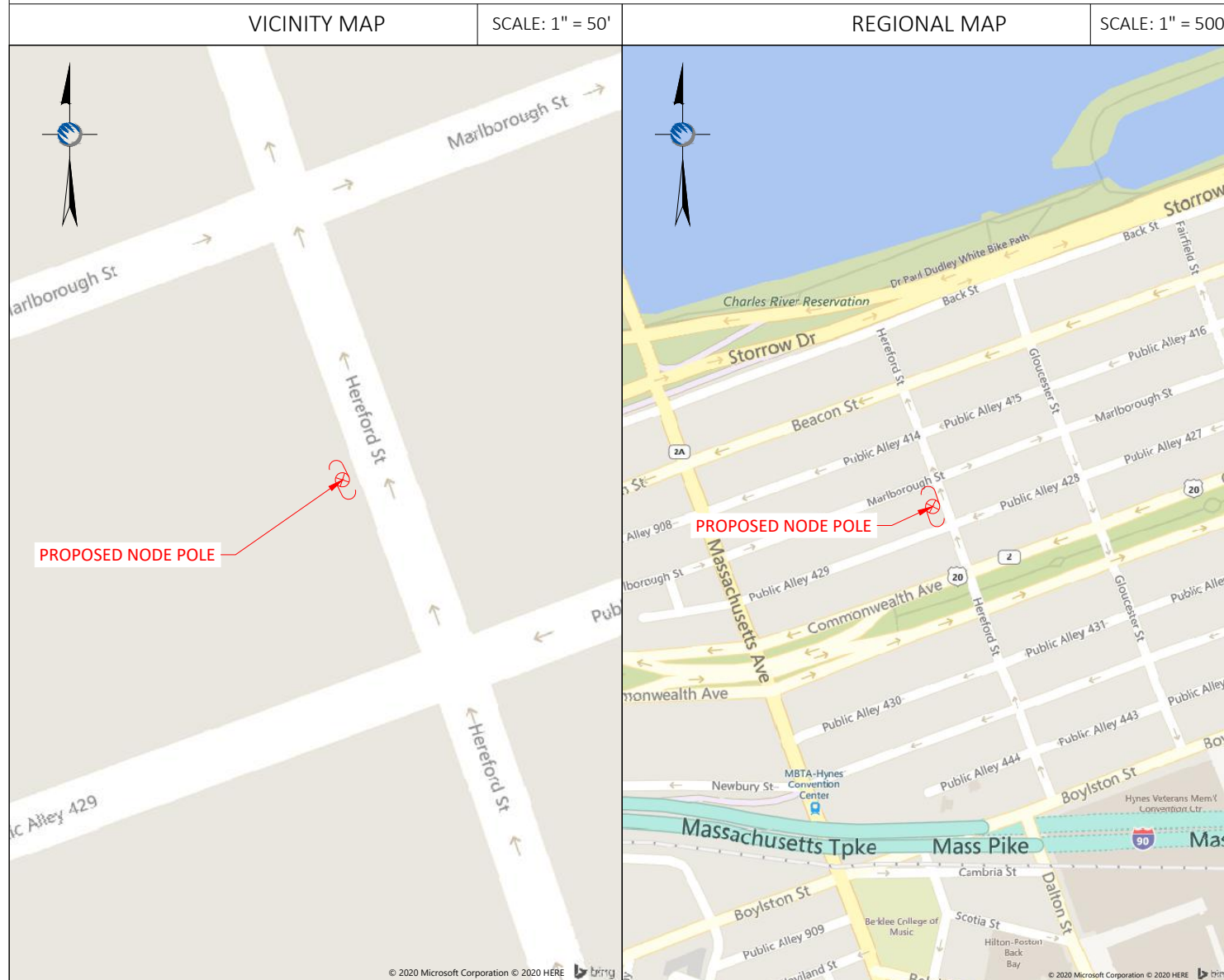
PROJECT MANAGER

JEREMY WEBER
3030 WARRENVILLE RD
SUITE 340
LISLE, IL 60532
NOC: (866) 892-5327

DO NOT SCALE DRAWINGS

CONTRACTORS SHALL VERIFY ALL PLANS, (EX.) DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

LOCATION MAPS



PROJECT DESCRIPTION

INVOLVING INSTALLMENT:
- THESE PLANS REPRESENT A PORTION OF A PROPOSED SMALL CELL BUILD INVOLVING THE INSTALLMENT OF AN ANTENNA AND RADIO EQUIPMENT ON AN EXISTING WOODEN UTILITY OR REPLACEMENT METAL STREETLIGHT POLE.

CODES

2019 INTERNATIONAL BUILDING CODE
NATIONAL ELECTRIC SAFETY CODE
TIA/EIA-222-G-2 OR LATEST EDITION
LOCAL BUILDING / PLANNING CODE

DRAWING INDEX

SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
SP-1	SITE PLAN & EXHIBIT PHOTO
EV-1	ELEVATION SIDE VIEW
EV-2	ELEVATION REAR VIEW
AT-1	ANTENNA DETAILS
WD-1&2	WIRING DIAGRAM
RS-1	RADIO SHROUD DETAILS
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES

N:\Engineering\Extenet Systems\NE-MA-BACKBAY-TMO (18 Sites)\Node Profiles\AA-AUTOCAD\BB_01_new.dwg 2/20/19

NOTE:
EXHIBIT PHOTO IS FOR
REFERENCE USE ONLY AND
SHOULD NOT BE USED FOR
CONSTRUCTION PURPOSES.



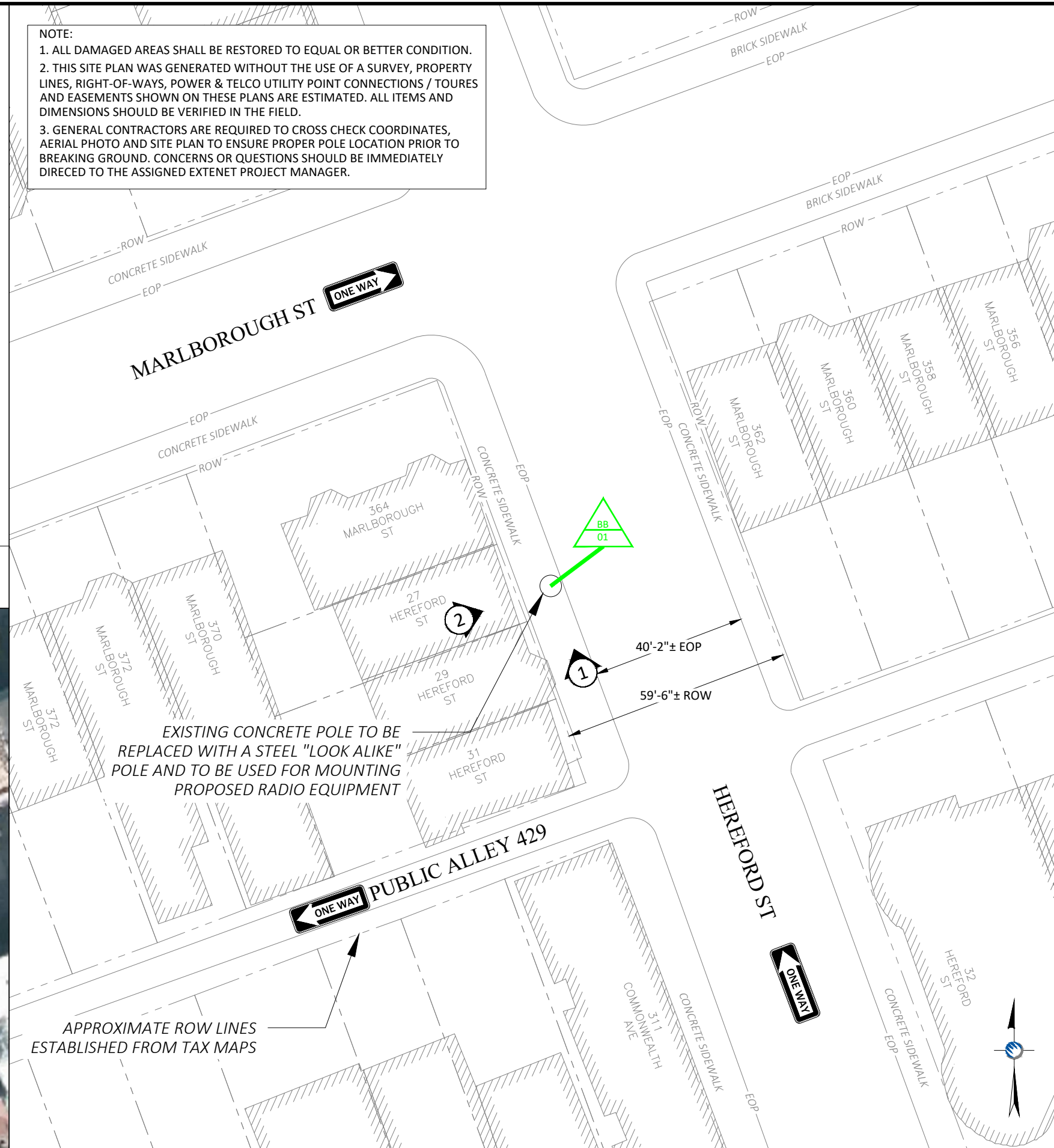
PROPOSED NODE POLE

EXHIBIT PHOTO

SCALE: NOT TO SCALE

1

NOTE:
1. ALL DAMAGED AREAS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION.
2. THIS SITE PLAN WAS GENERATED WITHOUT THE USE OF A SURVEY, PROPERTY LINES, RIGHT-OF-WAYS, POWER & TELCO UTILITY POINT CONNECTIONS / TOURS AND EASEMENTS SHOWN ON THESE PLANS ARE ESTIMATED. ALL ITEMS AND DIMENSIONS SHOULD BE VERIFIED IN THE FIELD.
3. GENERAL CONTRACTORS ARE REQUIRED TO CROSS CHECK COORDINATES, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND. CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRECTED TO THE ASSIGNED EXTENET PROJECT MANAGER.



ENLARGED SITE PLAN

SCALE: 1" = 30'

3

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

27 HEREFORD ST
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	GL
PLAN ORIG. DATE:	07/23/20

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/27/21

SITE INFO:

LAT: 42.350466
LONG: -71.086563

EXTENET NODE ID:

BB_01_new

SITE ADDRESS:

27 HEREFORD ST

SHEET TITLE:

SITE PLAN & EXHIBIT PHOTO

SHEET NUMBER:

SP-1

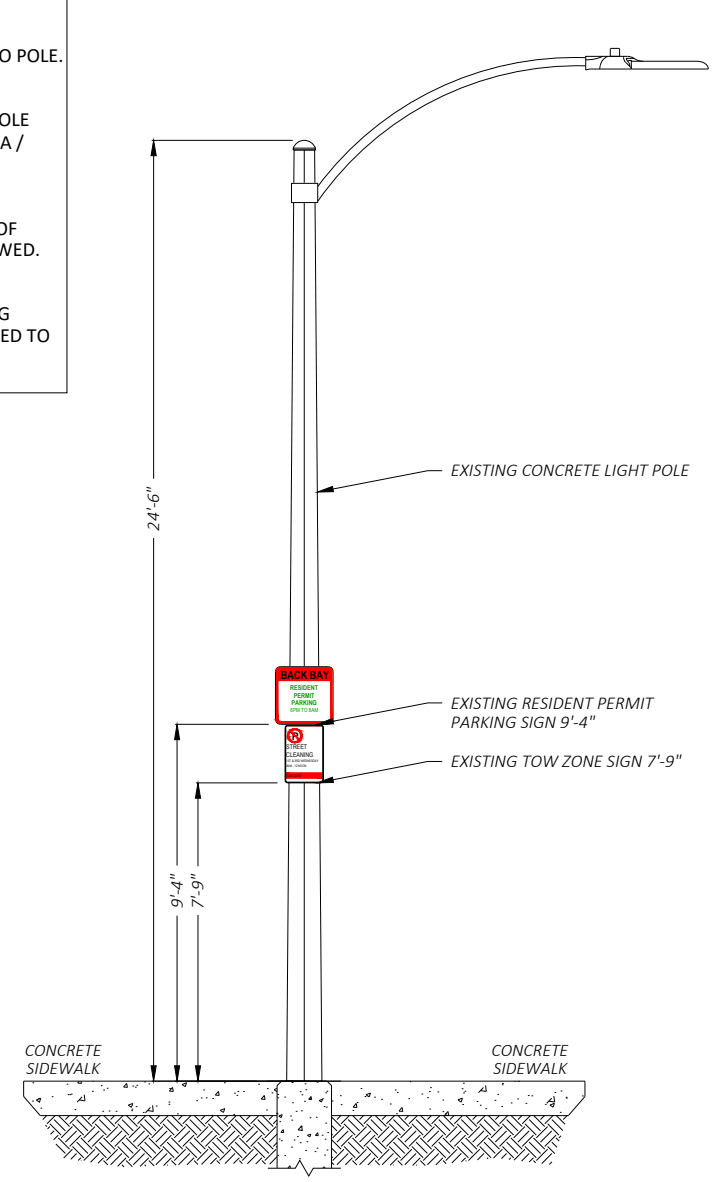
AERIAL SITE LOCATION

SCALE: 1" = 60'

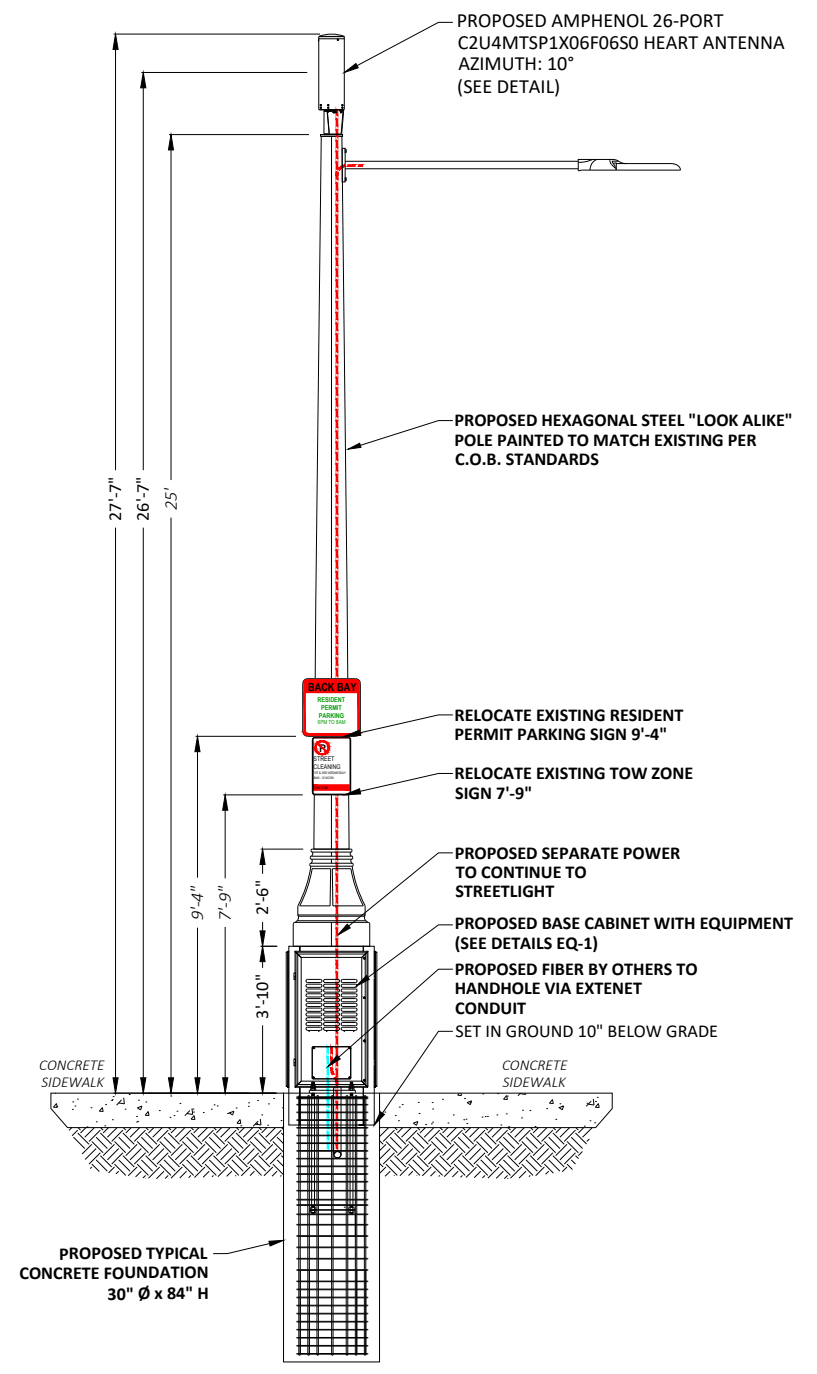
2

DRAWING NOTES:

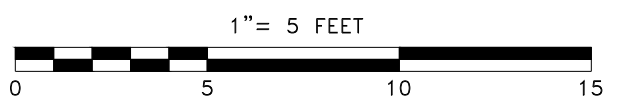
- NOTE 1:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
- NOTE 2:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.
- NOTE 3:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
- NOTE 4:
REPLACE EXISTING CONCRETE STREETLIGHT POLE WITH HEXAGONAL STEEL POLE. ADD ANTENNA / RADIO EQUIPMENT.
- NOTE 5:
ABSOLUTELY NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
- NOTE 6:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.



① EXISTING PROFILE - SIDE VIEW
LOOKING NORTHWEST ALONG HEREFORD ST



① PROPOSED PROFILE - SIDE VIEW
LOOKING NORTHWEST ALONG HEREFORD ST



POLE ELEVATIONS

SCALE: 1" = 5'

PLANS PREPARED FOR:



PLANS PREPARED BY:



21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:
27 HEREFORD ST
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	GL
PLAN ORIG. DATE:	07/23/20

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/27/21

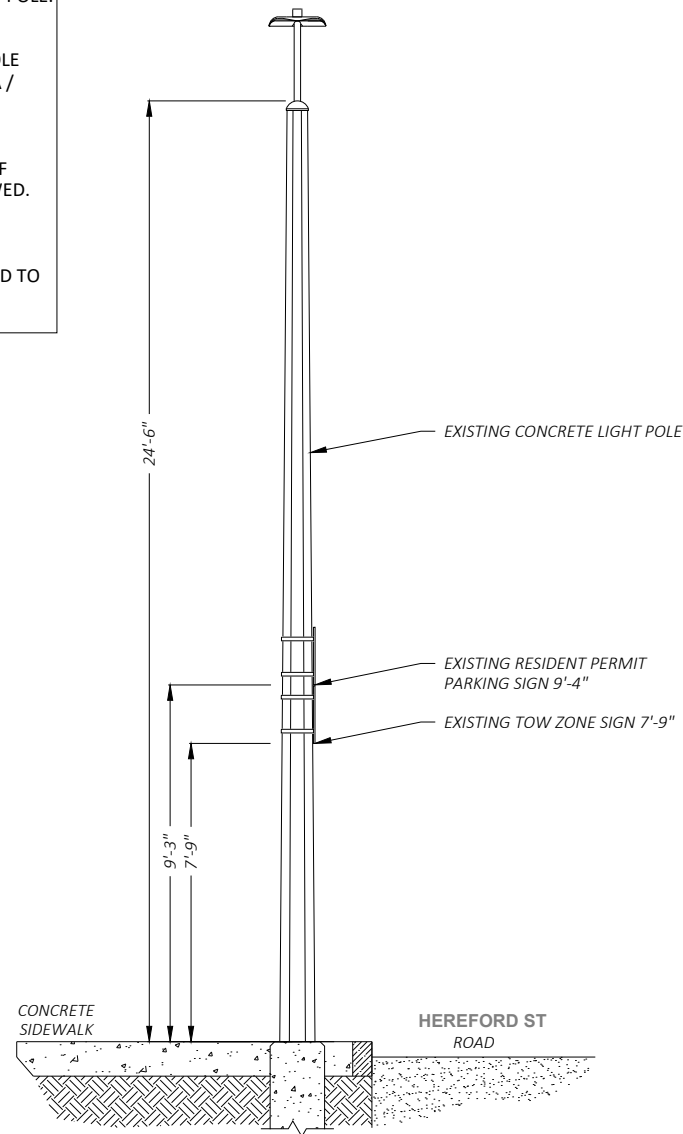
SITE INFO:
LAT: 42.350466
LONG: -71.086563
EXTENET NODE ID:
BB_01_new
SITE ADDRESS:
27 HEREFORD ST
SHEET TITLE:
POLE ELEVATIONS

SHEET NUMBER:

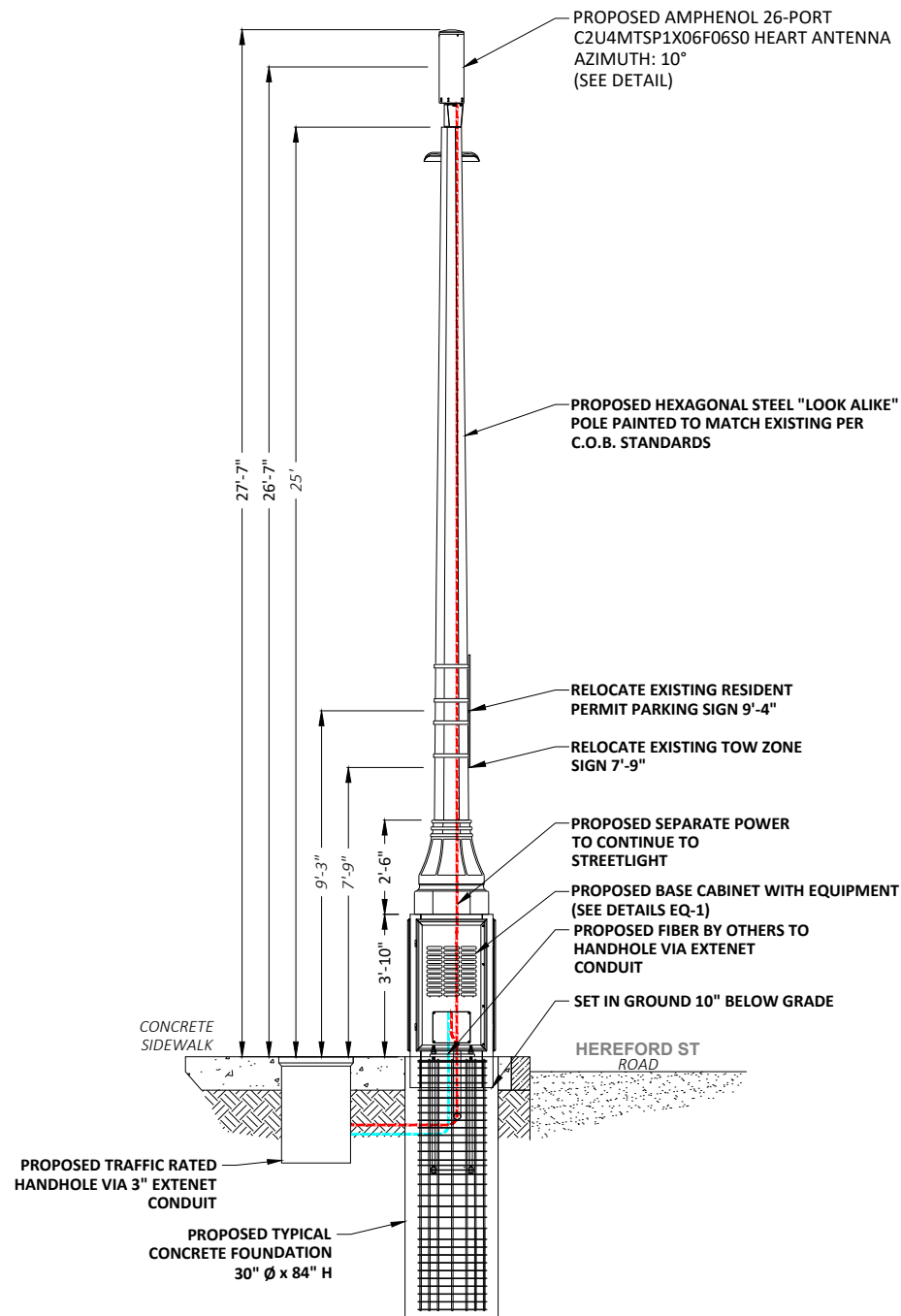
EV-1

DRAWING NOTES:

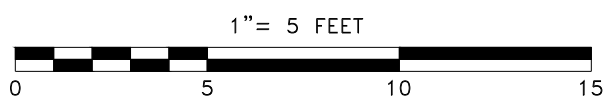
- NOTE 1:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
- NOTE 2:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.
- NOTE 3:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
- NOTE 4:
REPLACE EXISTING CONCRETE STREETLIGHT POLE WITH HEXAGONAL STEEL POLE. ADD ANTENNA / RADIO EQUIPMENT.
- NOTE 5:
ABSOLUTELY NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
- NOTE 6:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.



② EXISTING PROFILE - REAR VIEW
LOOKING NORTHEAST TOWARDS HEREFORD ST



② PROPOSED PROFILE - REAR VIEW
LOOKING NORTHEAST TOWARDS HEREFORD ST



POLE ELEVATIONS
SCALE: 1" = 5'

PLANS PREPARED FOR:

YOUR NETWORK EVERYWHERE.
SYSTEMS

PLANS PREPARED BY:

21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:
27 HEREFORD ST
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	GL
PLAN ORIG. DATE:	07/23/20

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/27/21

SITE INFO:
LAT: 42.350466
LONG: -71.086563
EXTENET NODE ID:
BB_01_new
SITE ADDRESS:
27 HEREFORD ST
SHEET TITLE:
POLE ELEVATIONS

SHEET NUMBER:
EV-2

N:\Engineering\Extenet Systems\NE-MA-BACKBAY-TMO (18 Sites)\Node Profiles\AA-AUTOCAD\BB_01_new.dwg 2/20/19

AMPHENOL 26-PORT ANTENNA

- PANEL

- QUASI

C2U4MTSP1X06F_{xy}s0



Features

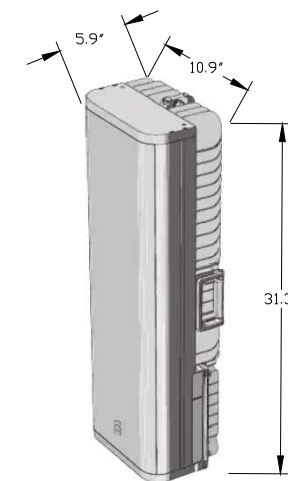
- 4G/5G sector & omni configuration with 26 connectors
- Ideal for Small Cell / DAS applications
- This antenna meets the requirements of the U-NII
- Available for order with a grey, brown or black radome

PRODUCT OVERVIEW	Frequency Range (MHz)	LOW	MID	CBRS	LAA
		(1x) 696-960	(2x) 1695-2700	(2x) 3550-3700	(2x) 5150-5925
Array		■ R1 ■ R2 ■ R3	■ Y1 ■ Y2 ■ Y3 ■ Y4 ■ Y5 ■ Y6	■ P1 ■ P2	■ O1 ■ O2
Connector		6 PORTS	12 PORTS	4 PORTS	4 PORTS
Polarization		XPOL	XPOL	XPOL	XPOL
Azimuth Beamwidth (avg)		Sectorized	Sectorized	Omni	Omni
Electrical Downtilt		0°	6°	0°	0°
Configuration		SECTOR AND OMNI COMBINATION			
Total Connector Count		26 PORTS			
Connector Type		4.3-10 FEMALE			
Dimensions		610 x Ø371 mm (24.0 x Ø14.6 in)			
Radome Color Options		GREY, BROWN or BLACK			

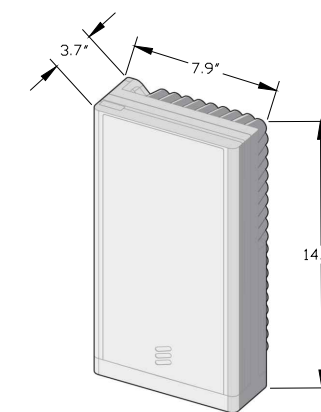
ELECTRICAL SPECIFICATIONS Low Band

■ R1 ■ R2 ■ R3

Frequency Range	MHz	(1x) 696-960	
Frequency Sub-Range	MHz	696-806	806-960
Polarization	---	±45°	
Gain	BASTA	dB	9.7 ± 0.6
	MAX	dB	10.3
Azimuth Beamwidth (3 dB)	degrees	89.6° ± 7.2°	86.9° ± 9.9°
Elevation Beamwidth (3 dB)	degrees	43.7° ± 3°	39.9° ± 4°
Electrical Downtilt	degrees	(x) 0°	
Impedance	Ohms	50	
VSWR	---	≤ 1.5:1	
Passive Intermodulation 3rd Order for 2x20 W Carriers	dBc	< -153	
Upper Sidelobe Suppression	dB	N/A	N/A
Front-to-Back Ratio	dB	> 23	> 23
Isolation	Intraband	dB	> 25
	Interband	dB	> 28
Input Power	Watts	500	



ERICSSON
RADIO 4455

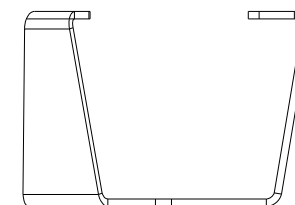


ERICSSON
RADIO 4435

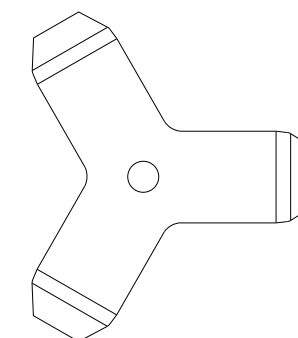
ERICSSON 4455 & 4435 RADIOS

SCALE: NOT TO SCALE

2



SIDE



BOTTOM

CUSTOM MOUNTING BRACKET

SCALE: NOT TO SCALE

3

AMPHENOL 26-PORT ANTENNA

SCALE: NOT TO SCALE

1

PLANS PREPARED FOR:



PLANS PREPARED BY:



21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:

27 HEREFORD ST
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN

SCALE: AS NOTED

DRAWN BY: GL

PLAN ORIG. DATE: 07/23/20

REVISIONS:

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/27/21

SITE INFO:

LAT: 42.350466

LONG: -71.086563

EXTENET NODE ID:

BB_01_new

SITE ADDRESS:

27 HEREFORD ST

SHEET TITLE:

ANTENNA DETAILS

SHEET NUMBER:

AT-1

DoIT PORTAL #: EXT 2265
BSL APPROVAL ON FILE

EXTENET ID:
BB_02_new

LATITUDE / LONGITUDE:
42.349404 / -71.088905

SITE ADDRESS:
59 MASSACHUSETTS AVE

CITY, STATE, ZIP:
BOSTON, MA 02115



CALL BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
72 HOURS NOTICE REQUIRED.
ENTER 1-888-DIG-SAFE

NOTE:
GENERAL CONTRACTOR IS REQUIRED TO CROSS CHECK COORDINATES, EXHIBIT PHOTO, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND, CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRECTED TO ASSIGNED EXTENET PROJECT MANAGER.



PLANS PREPARED BY:
PIKE TELECOM
21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:
59 MASSACHUSETTS AVE
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE: AS NOTED
DRAWN BY: MS
PLAN ORIG. DATE: 08/06/20

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/14/21

SITE INFO:
LAT: 42.349404
LONG: -71.088905
EXTENET NODE ID:
BB_02_new
SITE ADDRESS:
59 MASSACHUSETTS AVE
SHEET TITLE:
TITLE SHEET

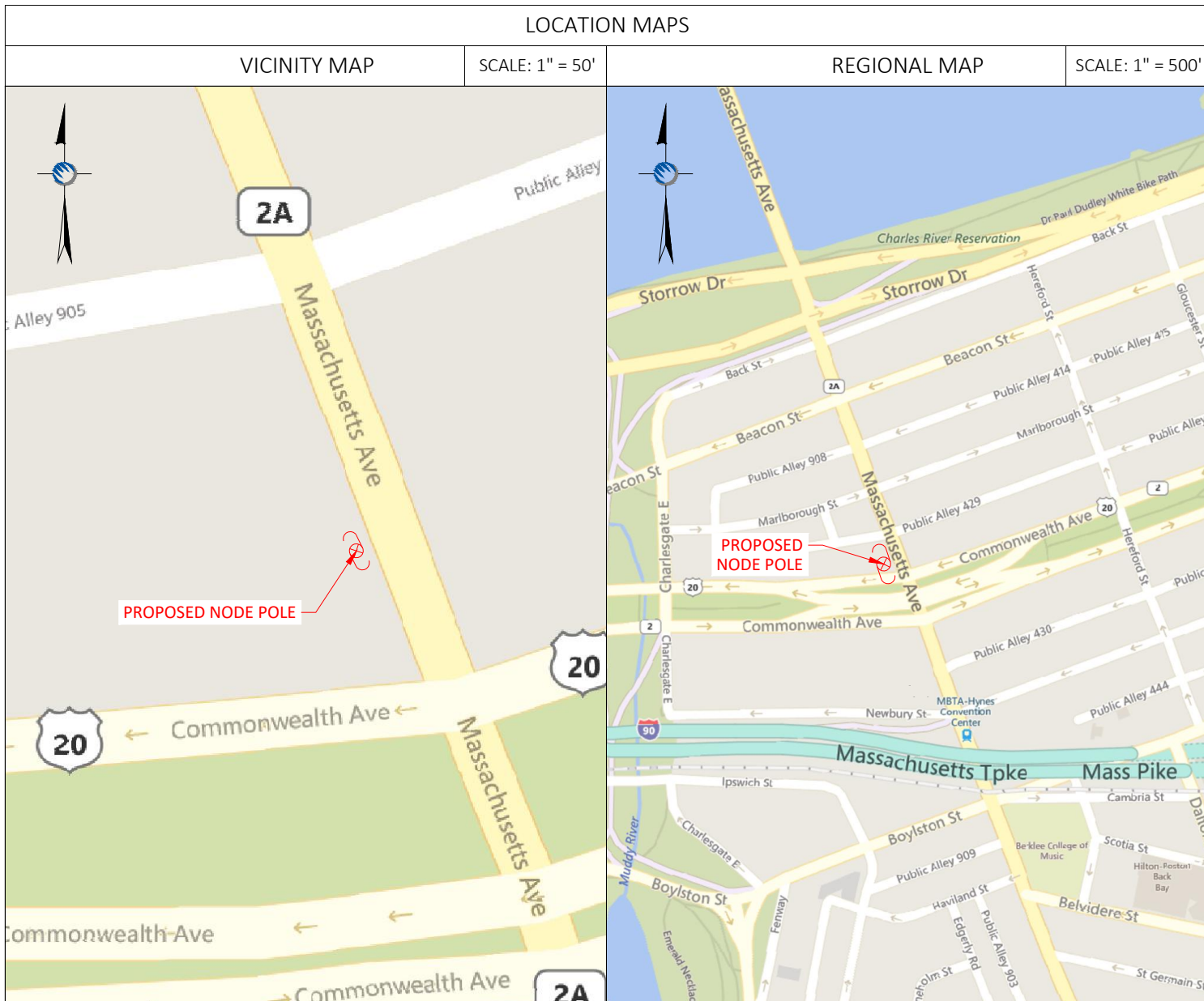
SHEET NUMBER:
T-1

GENERAL NOTES
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.

SITE INFORMATION	
EXTENET NODE ID:	BB_02_new
LATITUDE:	42.349404
LONGITUDE:	-71.088905
SITE ADDRESS:	59 MASSACHUSETTS AVE
CITY, STATE ZIP:	BOSTON, MA 02115
COUNTY:	SUFFOLK
JURISDICTION:	BOSTON
PROPERTY OWNER:	PUBLIC RIGHT-OF-WAY
APPLICANT:	EXTENET SYSTEMS 3030 WARRENVILLE RD LISLE, IL 60532 (630) 505-3800

PROJECT MANAGER
JEREMY WEBER
3030 WARRENVILLE RD
SUITE 340
LISLE, IL 60532
NOC: (866) 892-5327

DO NOT SCALE DRAWINGS
CONTRACTORS SHALL VERIFY ALL PLANS, (EX.) DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



PROJECT DESCRIPTION
INVOLVING INSTALLMENT:
- THESE PLANS REPRESENT A PORTION OF A PROPOSED SMALL CELL BUILD INVOLVING THE INSTALLMENT OF AN ANTENNA AND RADIO EQUIPMENT ON AN EXISTING WOODEN UTILITY OR REPLACEMENT METAL STREETLIGHT POLE.

CODES
2019 INTERNATIONAL BUILDING CODE
NATIONAL ELECTRIC SAFETY CODE
TIA/EIA-222-G-2 OR LATEST EDITION
LOCAL BUILDING / PLANNING CODE

DRAWING INDEX	
SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
SP-1	SITE PLAN & EXHIBIT PHOTO
EV-1	ELEVATION SIDE VIEW
EV-2	ELEVATION REAR VIEW
AT-1	ANTENNA DETAILS
WD-1 to 3	WIRING DIAGRAMS
RS-1	RADIO SHROUD DETAILS
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES

N:\Engineering\Extenet-Systems\NE-MA-BACKBAY-TMO (18 Sites)\Node Profiles\AA-AUTOCAD\BB_02_new.dwg 11/1/21

NOTE:
EXHIBIT PHOTO IS FOR
REFERENCE USE ONLY AND
SHOULD NOT BE USED FOR
CONSTRUCTION PURPOSES.



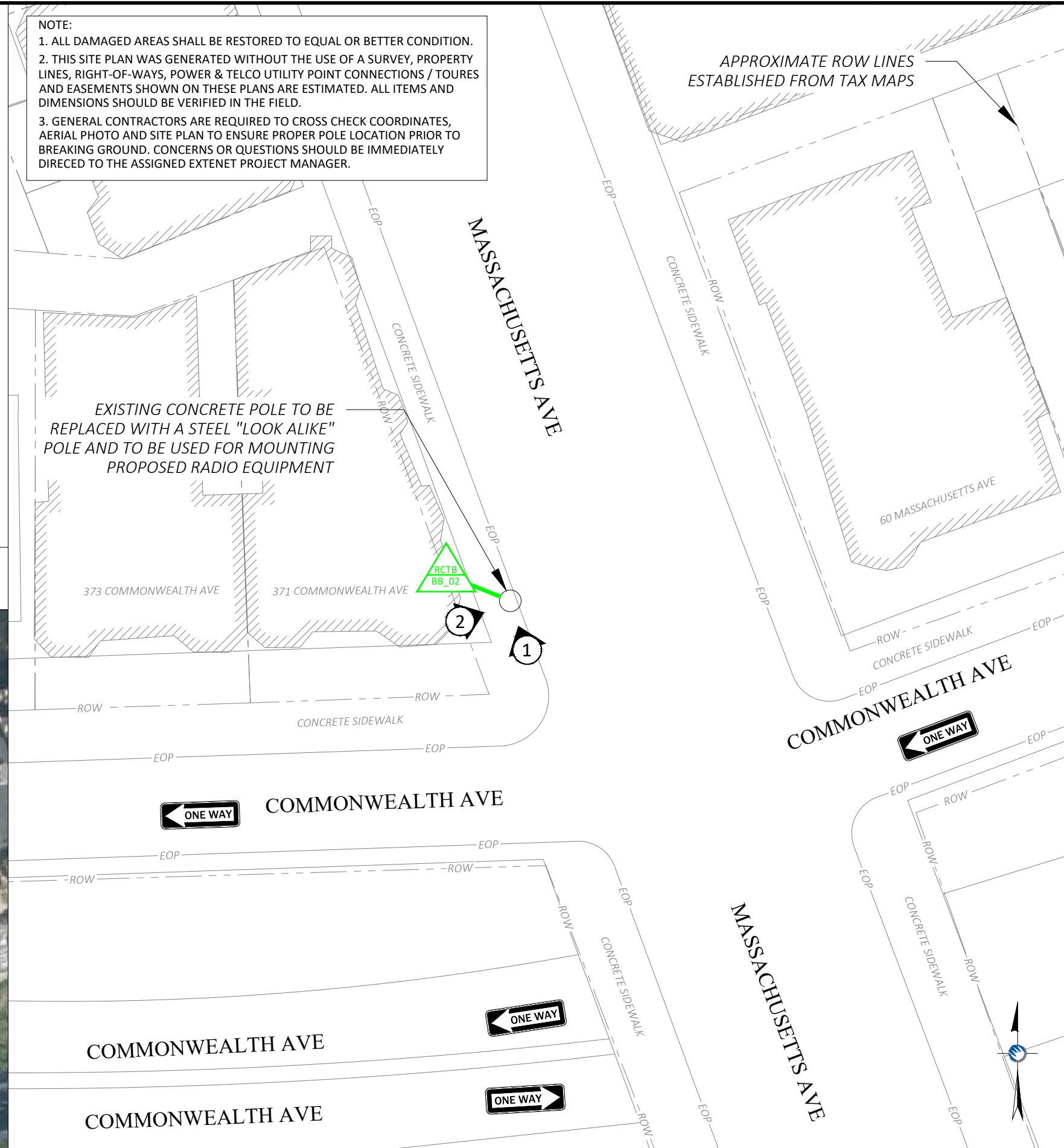
PROPOSED NODE POLE

EXHIBIT PHOTO

SCALE: NOT TO SCALE

1

NOTE:
1. ALL DAMAGED AREAS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION.
2. THIS SITE PLAN WAS GENERATED WITHOUT THE USE OF A SURVEY, PROPERTY LINES, RIGHT-OF-WAYS, POWER & TELCO UTILITY POINT CONNECTIONS / TOWERS AND EASEMENTS SHOWN ON THESE PLANS ARE ESTIMATED. ALL ITEMS AND DIMENSIONS SHOULD BE VERIFIED IN THE FIELD.
3. GENERAL CONTRACTORS ARE REQUIRED TO CROSS CHECK COORDINATES, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND. CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRECTED TO THE ASSIGNED EXTENET PROJECT MANAGER.



APPROXIMATE ROW LINES
ESTABLISHED FROM TAX MAPS

EXISTING CONCRETE POLE TO BE
REPLACED WITH A STEEL "LOOK ALIKE"
POLE AND TO BE USED FOR MOUNTING
PROPOSED RADIO EQUIPMENT

RCTB
BB_02



COMMONWEALTH AVE



COMMONWEALTH AVE



COMMONWEALTH AVE

1" = 30 FEET



ENLARGED SITE PLAN

SCALE: 1" = 30'

3

PLANS PREPARED FOR:

YOUR NETWORK EVERYWHERE.
SYSTEJR

PLANS PREPARED BY:

21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:
59 MASSACHUSETTS AVE
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	MS
PLAN ORIG. DATE:	08/06/20

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/14/21

SITE INFO:
LAT: 42.349404
LONG: -71.088905
EXTENET NODE ID:
BB_02_new
SITE ADDRESS:
59 MASSACHUSETTS AVE
SHEET TITLE:
SITE PLAN & EXHIBIT PHOTO

SHEET NUMBER:
SP-1



PROPOSED NODE POLE

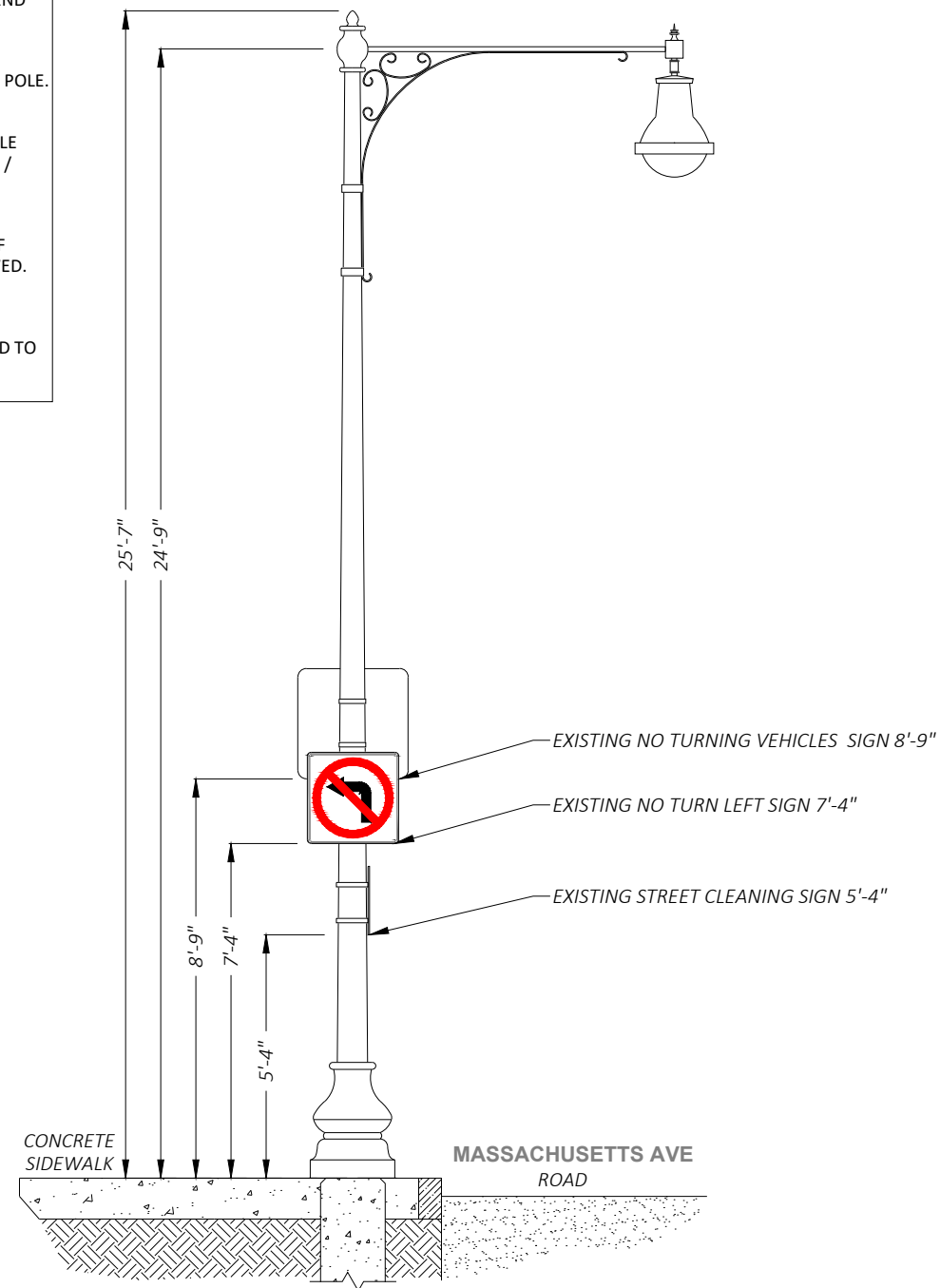
AERIAL SITE LOCATION

SCALE: 1" = 60'

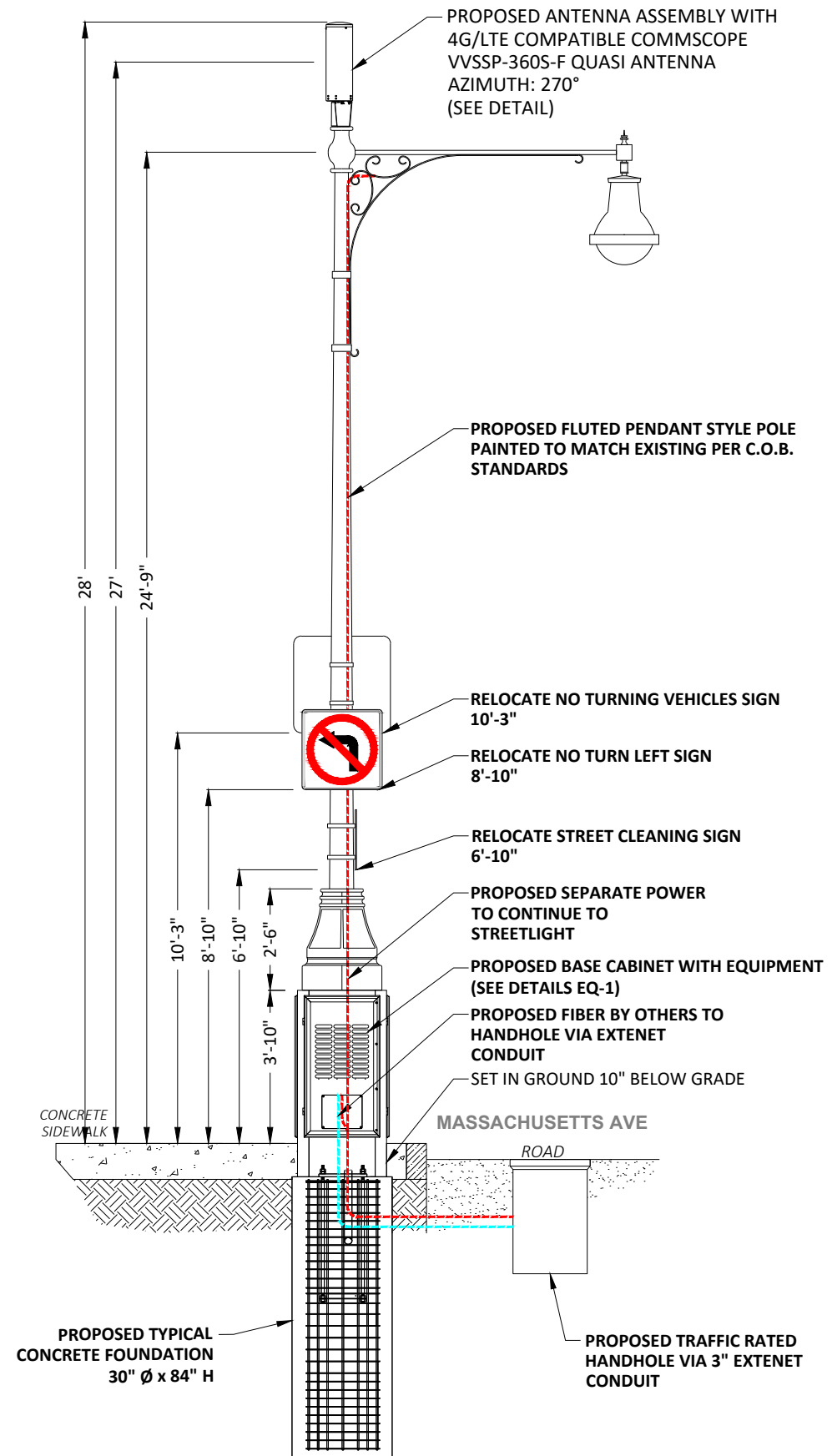
2

DRAWING NOTES:

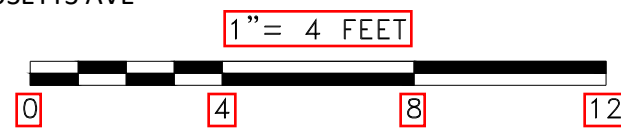
- NOTE 1:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
- NOTE 2:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.
- NOTE 3:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
- NOTE 4:
REPLACE EXISTING CONCRETE STREETLIGHT POLE WITH HEXAGONAL STEEL POLE. ADD ANTENNA / RADIO EQUIPMENT.
- NOTE 5:
ABSOLUTELY NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
- NOTE 6:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.



1 EXISTING PROFILE - SIDE VIEW
LOOKING NORTHWEST ALONG MASSACHUSETTS AVE



1 PROPOSED PROFILE - SIDE VIEW
LOOKING NORTHWEST ALONG MASSACHUSETTS AVE



POLE ELEVATIONS
SCALE: 1" = 4'

PLANS PREPARED FOR:

PLANS PREPARED BY:

21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:
59 MASSACHUSETTS AVE
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	MS
PLAN ORIG. DATE:	08/06/20

REVISIONS:			
REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/14/21

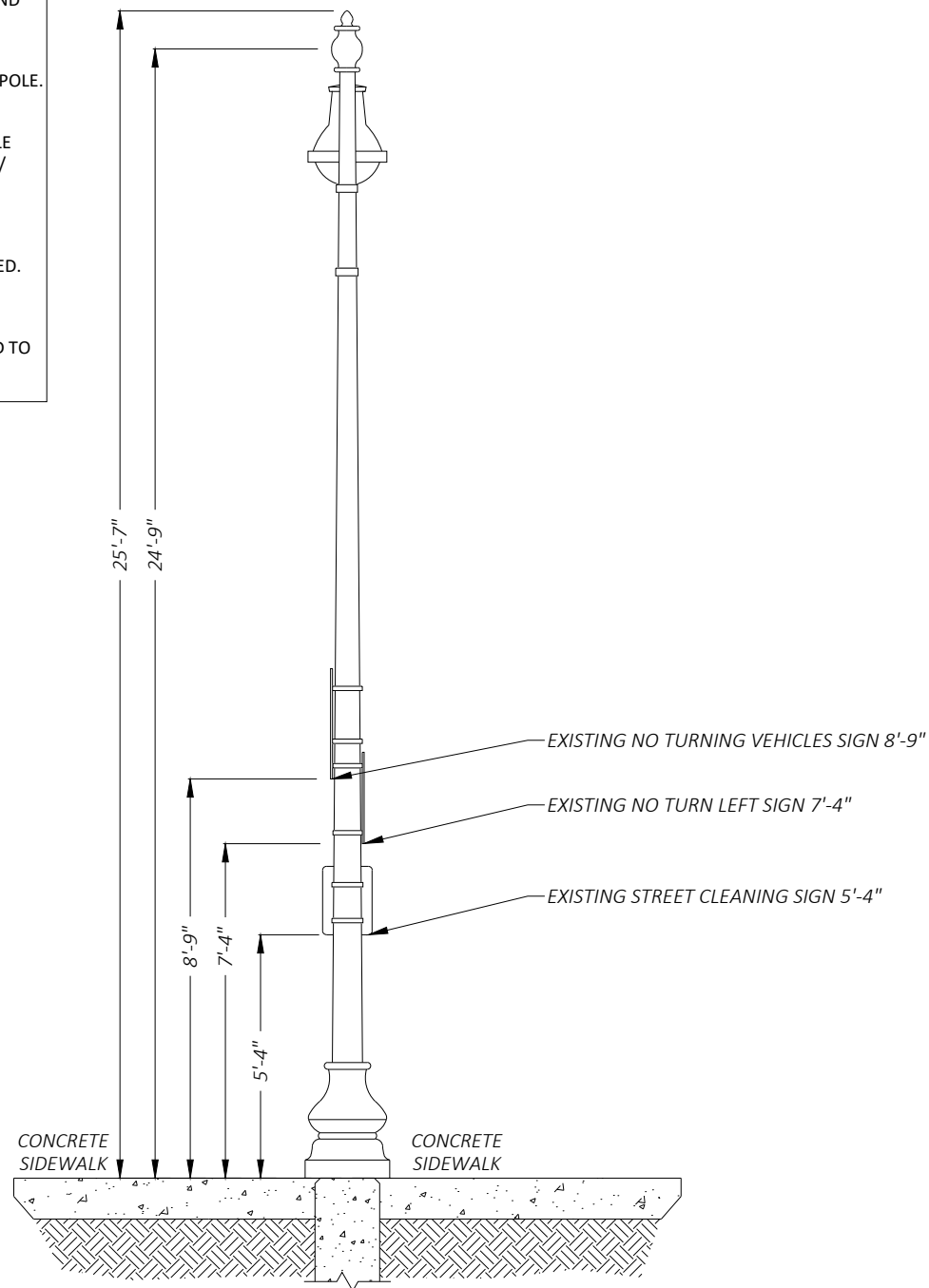
SITE INFO:
LAT: 42.349404
LONG: -71.088905
EXTENET NODE ID:
BB_02_new
SITE ADDRESS:
59 MASSACHUSETTS AVE
SHEET TITLE:
POLE ELEVATIONS

SHEET NUMBER:
EV-1

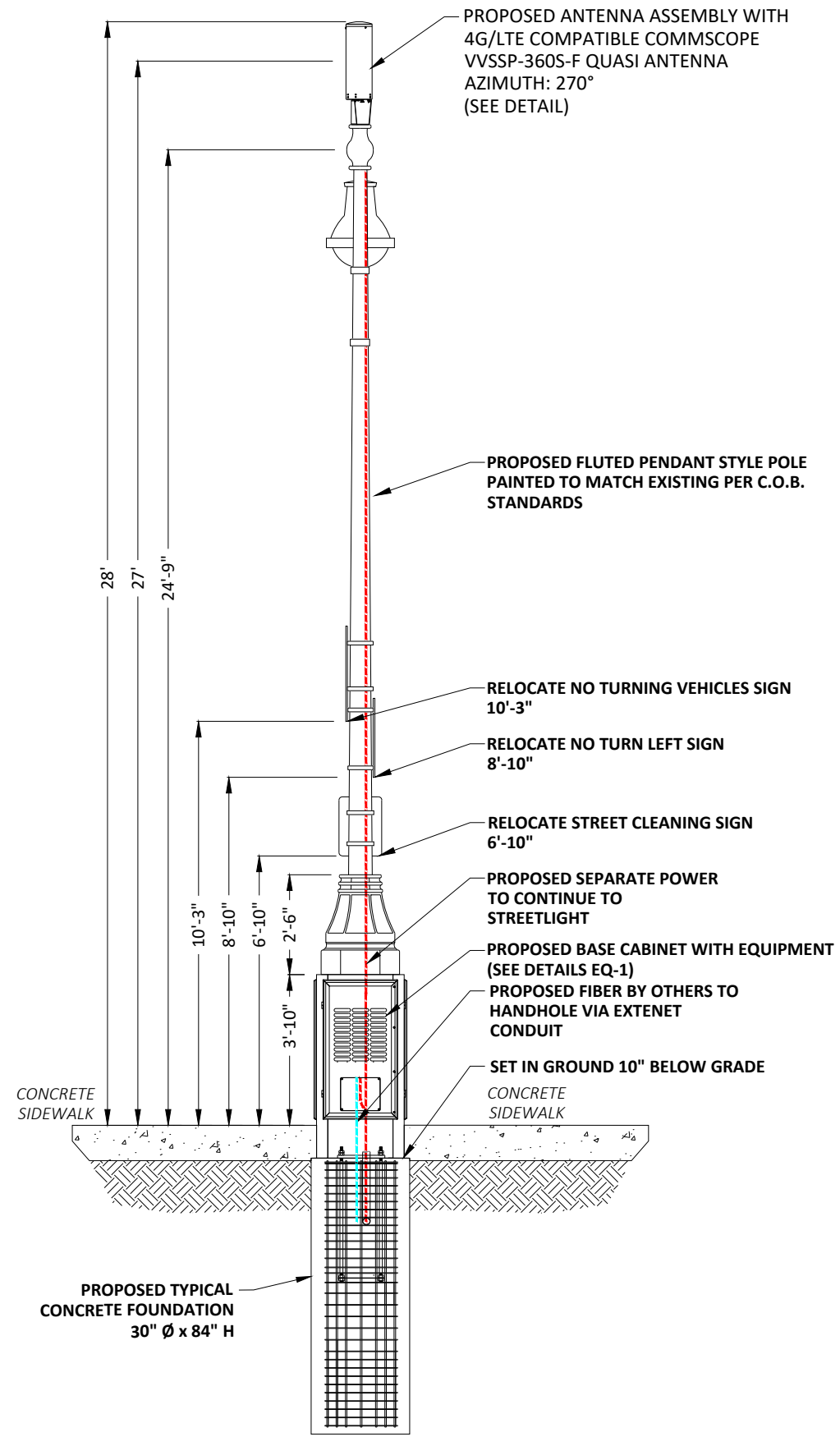
N:\Engineering\Extenet-Systems\NE-MA-BACKBAY-TMO (18 Sites)\Node Profiles\AA-AUTOCAD\BB_02_new.dwg 11/1/21

DRAWING NOTES:

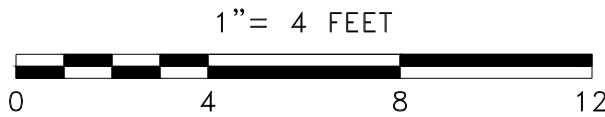
- NOTE 1:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
- NOTE 2:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.
- NOTE 3:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
- NOTE 4:
REPLACE EXISTING CONCRETE STREETLIGHT POLE WITH HEXAGONAL STEEL POLE. ADD ANTENNA / RADIO EQUIPMENT.
- NOTE 5:
ABSOLUTELY NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
- NOTE 6:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.



② EXISTING PROFILE - REAR VIEW
LOOKING NORTHEAST TOWARDS MASSACHUSETTS AVE



② PROPOSED PROFILE - REAR VIEW
LOOKING NORTHEAST TOWARDS MASSACHUSETTS AVE



POLE ELEVATIONS
SCALE: 1" = 4'

PLANS PREPARED FOR:

PLANS PREPARED BY:

21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:
59 MASSACHUSETTS AVE
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	MS
PLAN ORIG. DATE:	08/06/20

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/14/21

SITE INFO:
LAT: 42.349404
LONG: -71.088905
EXTENET NODE ID:
BB_02_new
SITE ADDRESS:
59 MASSACHUSETTS AVE

SHEET TITLE:
POLE ELEVATIONS

SHEET NUMBER:
EV-2

N:\Engineering\Extenet-Systems\NE-MA-BACKBAY-TMO (18 Sites)\Node Profiles\AA-AUTOCAD\BB_02_new.dwg 11/1/21

VVSSP-360S-F



10-port small cell antenna, 4x 1695–2690, 4x 3400–3800 and 2x 5150–5925 MHz. 360° Horizontal Beamwidth, fixed tilt.

General Specifications

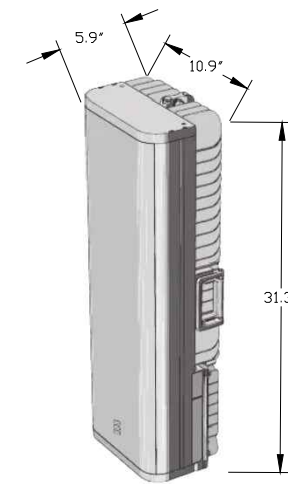
Antenna Type	Small Cell
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Fiberglass, UV resistant
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	10
RF Connector Quantity, total	10

Dimensions

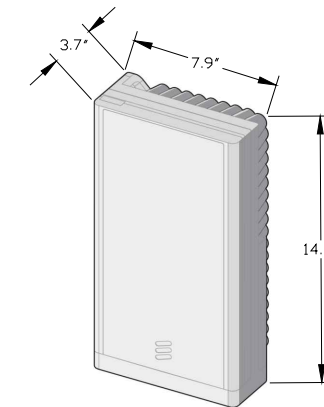
Length	600 mm 23.622 in
Outer Diameter	200 mm 7.874 in

5 GHz Port Power Table

5 GHz FCC Power Requirements				
U-NII Band	U-NII 1	U-NII 2A	U-NII 2C	U-NII 3
Frequency (MHz)	5150 - 5250	5250 - 5350	5470 - 5725	5725 - 5850
Max Input power per port to align with FCC Title 47 Part 15 (Watts)	0.5	0.125	0.125	0.5



ERICSSON RADIO 4455

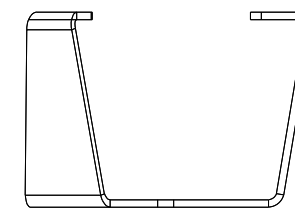


ERICSSON RADIO 4435

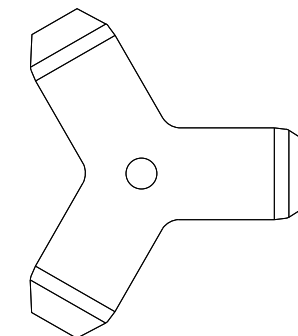
ERICSSON 4455 & 4435 RADIOS

SCALE: NOT TO SCALE

2



SIDE



BOTTOM

CUSTOM MOUNTING BRACKET

SCALE: NOT TO SCALE

3

VVSSP-360S-F ANTENNA

SCALE: NOT TO SCALE

1

PLANS PREPARED FOR:

YOUR NETWORK. EVERYWHERE.

PLANS PREPARED BY:

21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:

59 MASSACHUSETTS AVE
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	MS
PLAN ORIG. DATE:	08/06/20

REVISIONS:			
REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/14/21

SITE INFO:

LAT: 42.349404
LONG: -71.088905
EXTENET NODE ID:
BB_02_new
SITE ADDRESS:
59 MASSACHUSETTS AVE
SHEET TITLE:
ANTENNA DETAILS

SHEET NUMBER:

AT-1

DoIT PORTAL #: EXT 2266
BSL APPROVAL ON FILE

EXTENET ID:
BB_04_new

LATITUDE / LONGITUDE:
42.351829/ -71.085600

SITE ADDRESS:
403 BEACON ST

CITY, STATE, ZIP:
BOSTON, MA 02115



CALL BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
72 HOURS NOTICE REQUIRED.
ENTER 1-888-DIG-SAFE

NOTE:
GENERAL CONTRACTOR IS REQUIRED TO CROSS CHECK COORDINATES, EXHIBIT PHOTO, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND, CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRECTED TO ASSIGNED EXTENET PROJECT MANAGER.



PLANS PREPARED BY:
PIKE TELECOM
21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

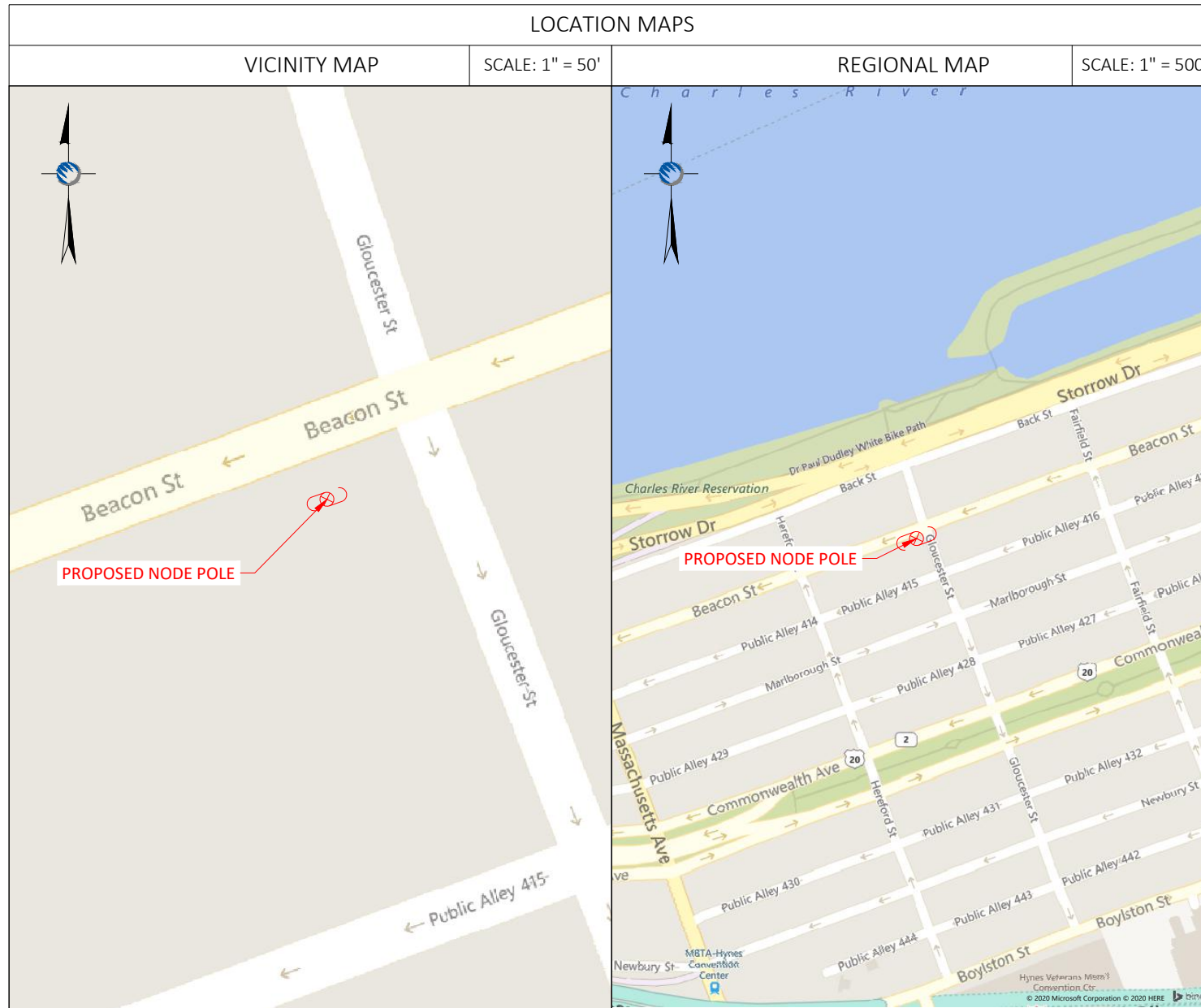
LOCATION:
403 BEACON ST
BOSTON, MA 02115
SUFFOLK COUNTY

GENERAL NOTES
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.

SITE INFORMATION	
EXTENET NODE ID:	BB_04_new
LATITUDE:	42.351829
LONGITUDE:	-71.085600
SITE ADDRESS:	403 BEACON ST
CITY, STATE ZIP:	BOSTON, MA 02115
COUNTY:	SUFFOLK
JURISDICTION:	BOSTON
PROPERTY OWNER:	PUBLIC RIGHT-OF-WAY
APPLICANT:	EXTENET SYSTEMS 3030 WARRENVILLE RD LISLE, IL 60532 (630) 505-3800

PROJECT MANAGER
JEREMY WEBER
3030 WARRENVILLE RD
SUITE 340
LISLE, IL 60532
NOC: (866) 892-5327

DO NOT SCALE DRAWINGS
CONTRACTORS SHALL VERIFY ALL PLANS, (EX.) DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



PROJECT DESCRIPTION
INVOLVING INSTALLMENT:
- THESE PLANS REPRESENT A PORTION OF A PROPOSED SMALL CELL BUILD INVOLVING THE INSTALLMENT OF AN ANTENNA AND RADIO EQUIPMENT ON AN EXISTING WOODEN UTILITY OR REPLACEMENT METAL STREETLIGHT POLE.

CODES
2019 INTERNATIONAL BUILDING CODE
NATIONAL ELECTRIC SAFETY CODE
TIA/EIA-222-G-2 OR LATEST EDITION
LOCAL BUILDING / PLANNING CODE

DRAWING INDEX

SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
SP-1	SITE PLAN & EXHIBIT PHOTO
EV-1	ELEVATION SIDE VIEW
EV-2	ELEVATION REAR VIEW
AT-1	ANTENNA DETAILS
WD-1&2	WIRING DIAGRAM
RS-1	RADIO SHROUD DETAILS
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN	
SCALE:	AS NOTED
DRAWN BY:	IJD
PLAN ORIG. DATE:	8/7/20

REVISIONS:			
REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/29/21

SITE INFO:
LAT: 42.351829
LONG: -71.085600
EXTENET NODE ID:
BB_04_new
SITE ADDRESS:
403 BEACON ST
SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

NOTE:
EXHIBIT PHOTO IS FOR
REFERENCE USE ONLY AND
SHOULD NOT BE USED FOR
CONSTRUCTION PURPOSES.



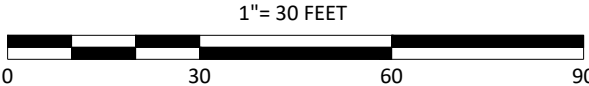
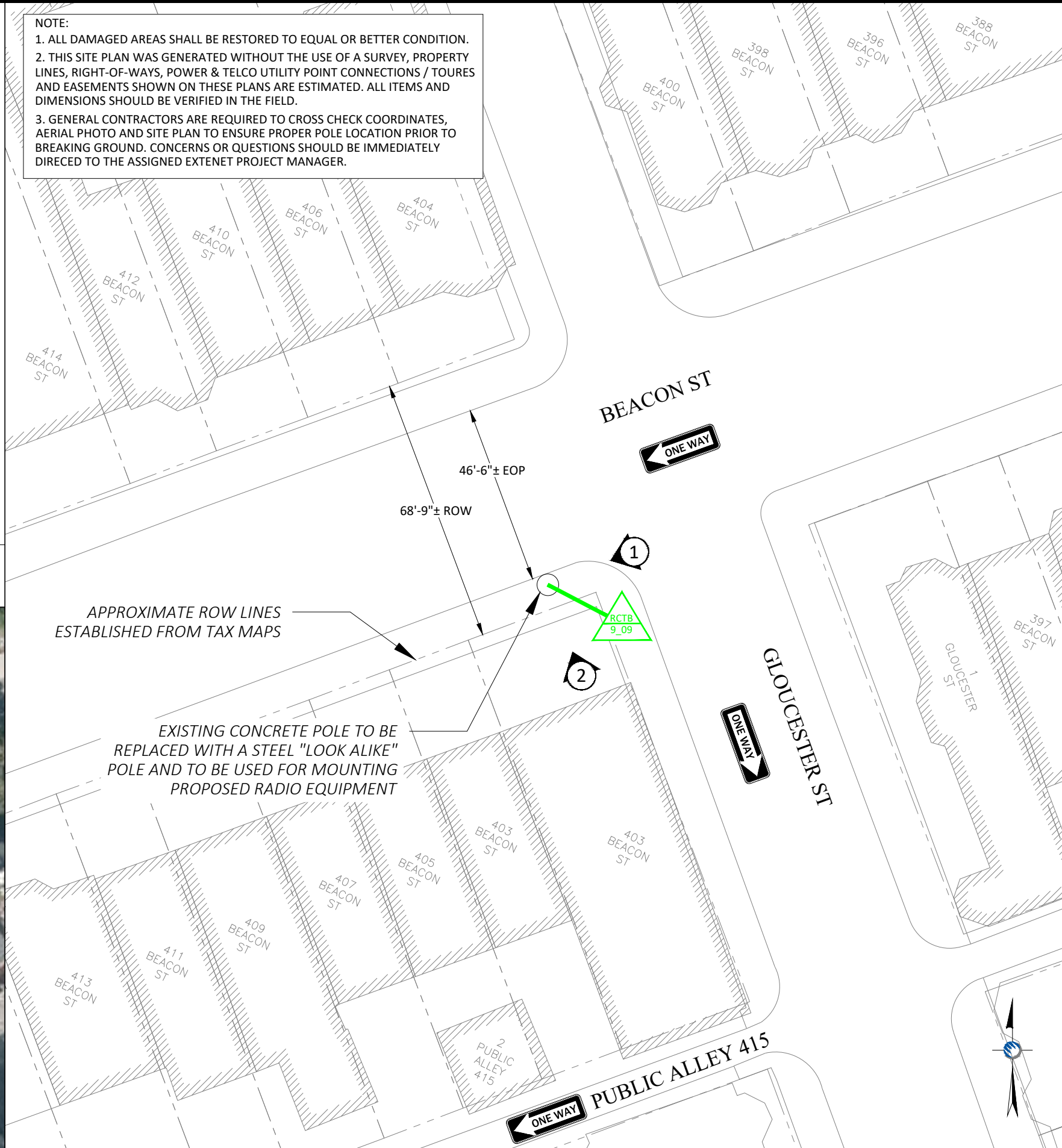
PROPOSED NODE POLE

EXHIBIT PHOTO

SCALE: NOT TO SCALE

1

NOTE:
1. ALL DAMAGED AREAS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION.
2. THIS SITE PLAN WAS GENERATED WITHOUT THE USE OF A SURVEY, PROPERTY LINES, RIGHT-OF-WAYS, POWER & TELCO UTILITY POINT CONNECTIONS / TOURES AND EASEMENTS SHOWN ON THESE PLANS ARE ESTIMATED. ALL ITEMS AND DIMENSIONS SHOULD BE VERIFIED IN THE FIELD.
3. GENERAL CONTRACTORS ARE REQUIRED TO CROSS CHECK COORDINATES, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND. CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRCED TO THE ASSIGNED EXTENET PROJECT MANAGER.



ENLARGED SITE PLAN

SCALE: 1" = 30'

3

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

403 BEACON ST
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	IJD
PLAN ORIG. DATE:	8/7/20

REVISIONS:			
REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/29/21

SITE INFO:

LAT: 42.351829
LONG: -71.085600

EXTENET NODE ID:

BB_04_new

SITE ADDRESS:

403 BEACON ST

SHEET TITLE:

SITE PLAN & EXHIBIT PHOTO

SHEET NUMBER:

SP-1

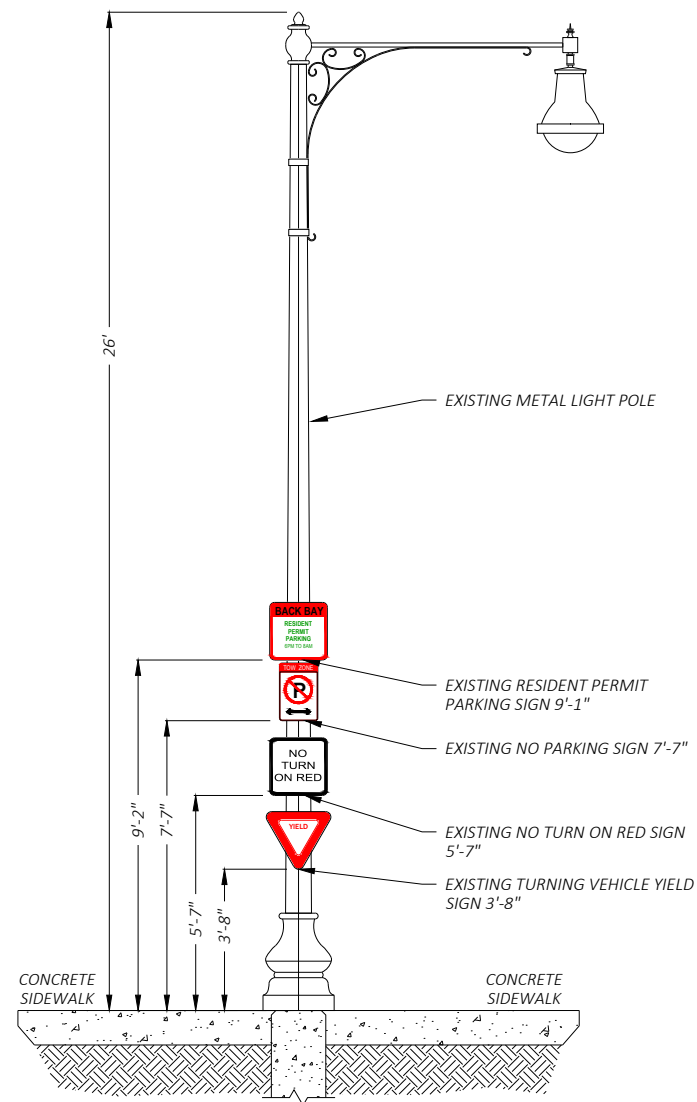
AERIAL SITE LOCATION

SCALE: 1" = 60'

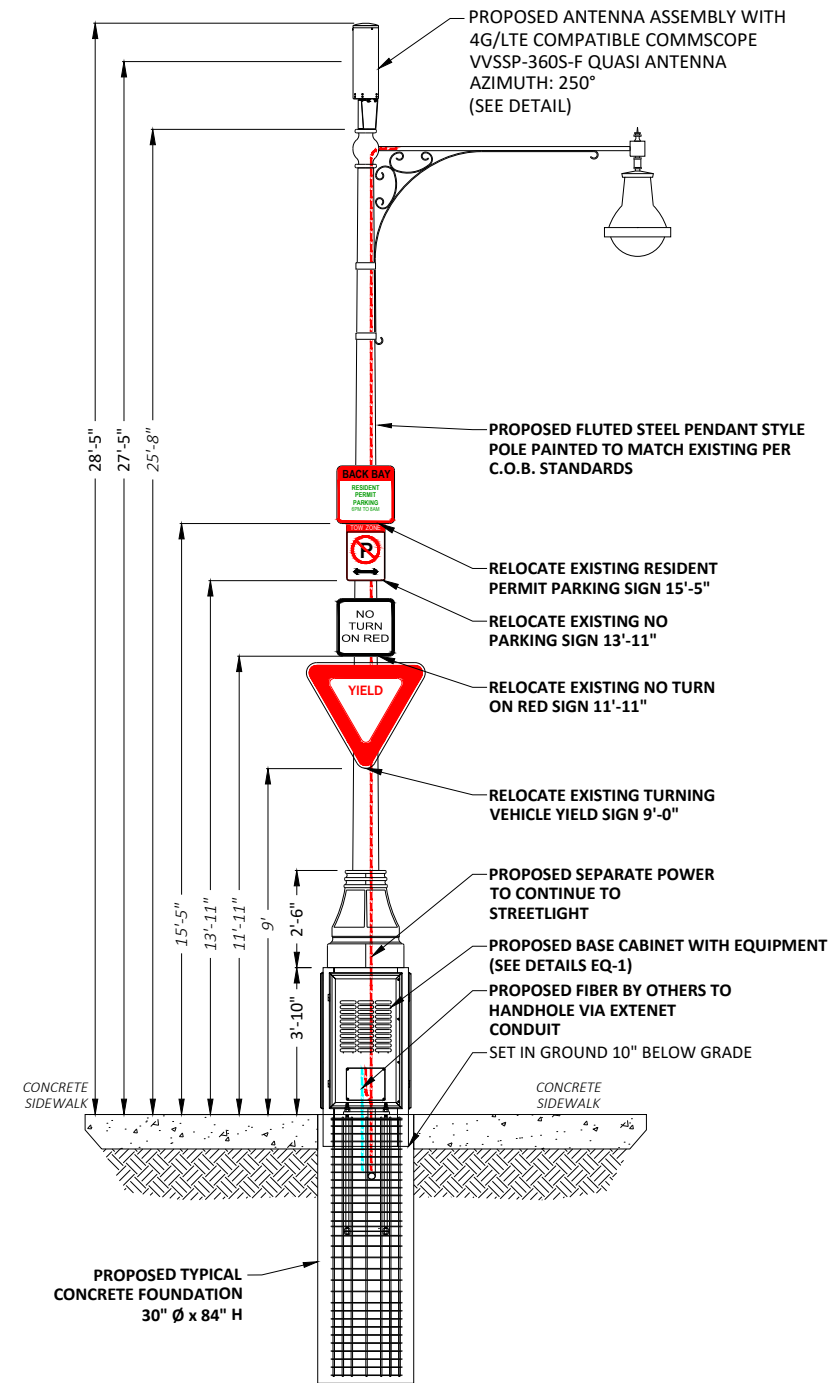
2

DRAWING NOTES:

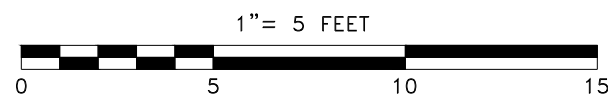
- NOTE 1:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
- NOTE 2:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.
- NOTE 3:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
- NOTE 4:
REPLACE EXISTING CONCRETE STREETLIGHT POLE WITH HEXAGONAL STEEL POLE. ADD ANTENNA / RADIO EQUIPMENT.
- NOTE 5:
ABSOLUTELY NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
- NOTE 6:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.



① EXISTING PROFILE - SIDE VIEW
LOOKING SOUTHWEST ALONG BEACON ST



① PROPOSED PROFILE - SIDE VIEW
LOOKING SOUTHWEST ALONG BEACON ST



POLE ELEVATIONS
SCALE: 1" = 5'

PLANS PREPARED FOR:



PLANS PREPARED BY:



21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:
403 BEACON ST
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	IJD
PLAN ORIG. DATE:	8/7/20

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/29/21

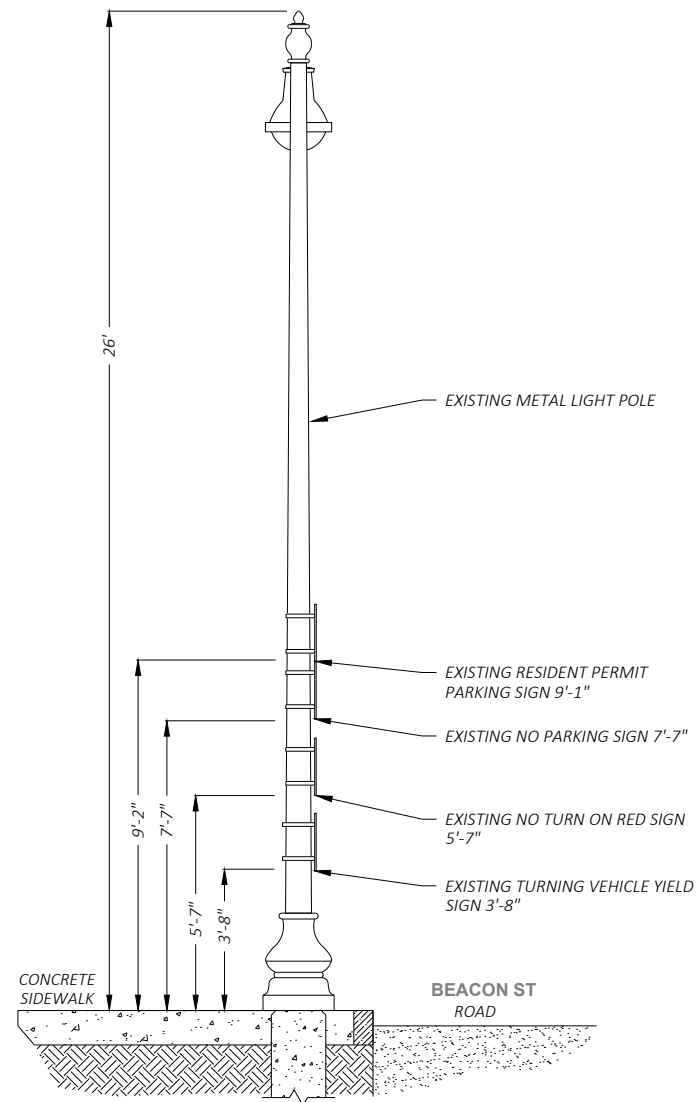
SITE INFO:
LAT: 42.351829
LONG: -71.085600
EXTENET NODE ID:
BB_04_new
SITE ADDRESS:
403 BEACON ST
SHEET TITLE:
POLE ELEVATIONS

SHEET NUMBER:

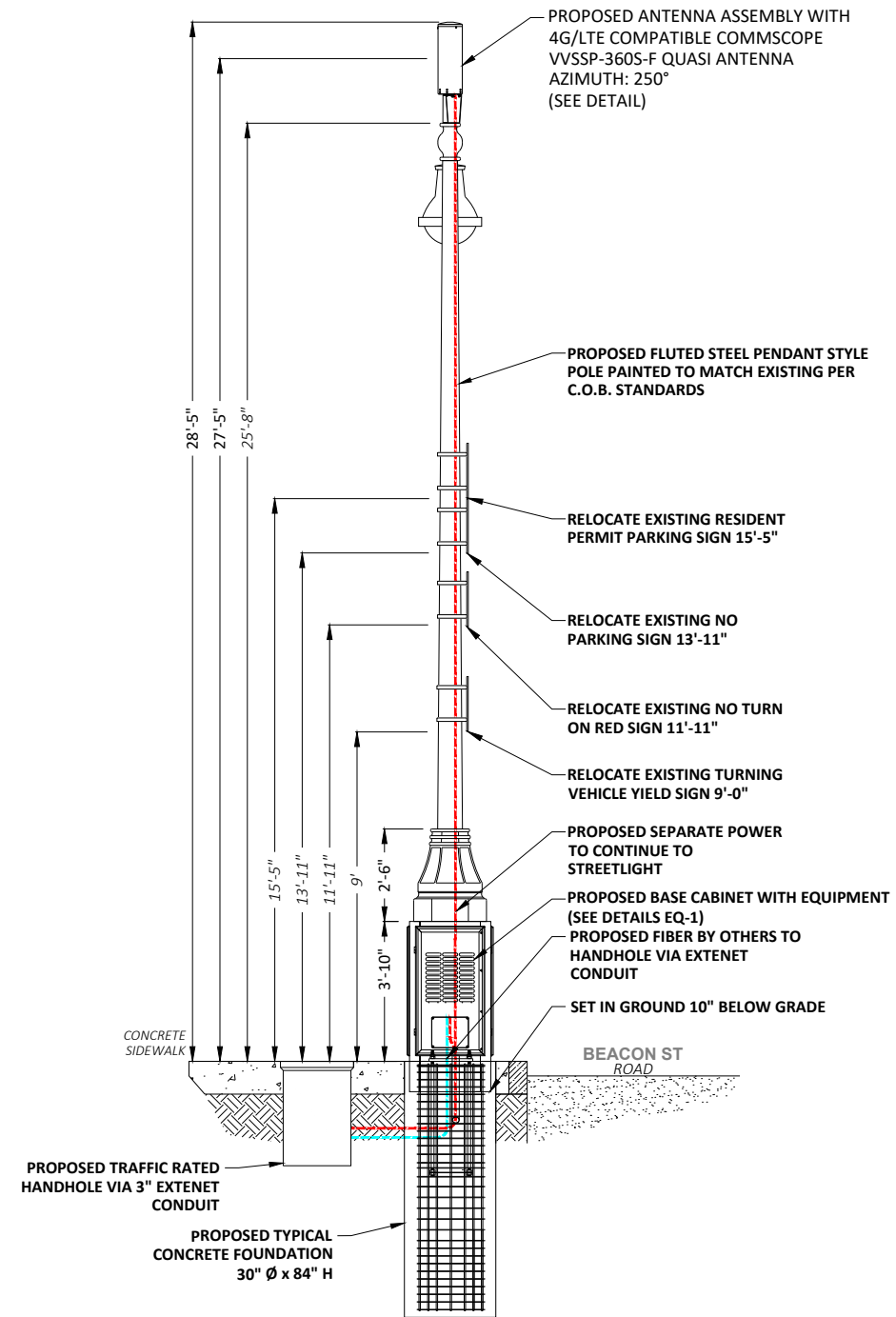
EV-1

DRAWING NOTES:

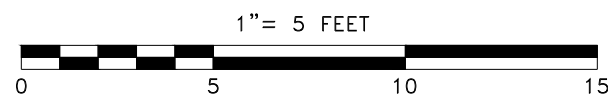
- NOTE 1:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
- NOTE 2:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.
- NOTE 3:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
- NOTE 4:
REPLACE EXISTING CONCRETE STREETLIGHT POLE WITH HEXAGONAL STEEL POLE. ADD ANTENNA / RADIO EQUIPMENT.
- NOTE 5:
ABSOLUTELY NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
- NOTE 6:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.



② EXISTING PROFILE - REAR VIEW
LOOKING NORTHWEST TOWARDS BEACON ST



② PROPOSED PROFILE - REAR VIEW
LOOKING NORTHWEST TOWARDS BEACON ST



POLE ELEVATIONS
SCALE: 1" = 5'

PLANS PREPARED FOR:



PLANS PREPARED BY:



21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:
403 BEACON ST
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	IJD
PLAN ORIG. DATE:	8/7/20

REVISIONS:			
REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/29/21

SITE INFO:
LAT: 42.351829
LONG: -71.085600
EXTENET NODE ID:
BB_04_new
SITE ADDRESS:
403 BEACON ST
SHEET TITLE:
POLE ELEVATIONS

SHEET NUMBER:
EV-2

VVSSP-360S-F



10-port small cell antenna, 4x 1695–2690, 4x 3400–3800 and 2x 5150–5925 MHz. 360° Horizontal Beamwidth, fixed tilt.

General Specifications

Antenna Type	Small Cell
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Fiberglass, UV resistant
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	10
RF Connector Quantity, total	10

Dimensions

Length	600 mm 23.622 in
Outer Diameter	200 mm 7.874 in

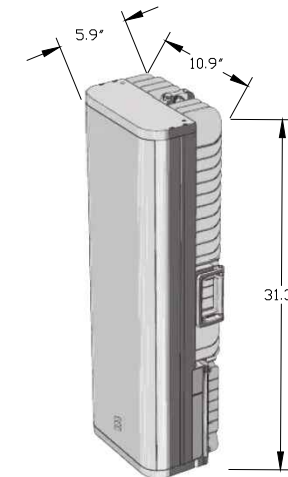
5 GHz Port Power Table

5 GHz FCC Power Requirements				
U-NII Band	U-NII 1	U-NII 2A	U-NII 2C	U-NII 3
Frequency (MHz)	5150 - 5250	5250 - 5350	5470 - 5725	5725 - 5850
Max Input power per port to align with FCC Title 47 Part 15 (Watts)	0.5	0.125	0.125	0.5

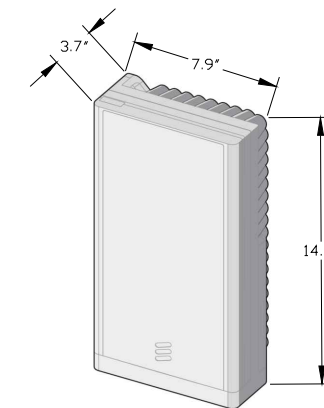


VVSSP-360S-F ANTENNA	1
SCALE: NOT TO SCALE	

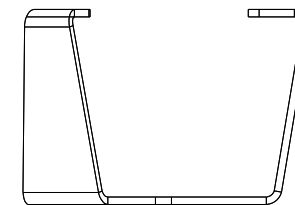
ERICSSON RADIO 4455



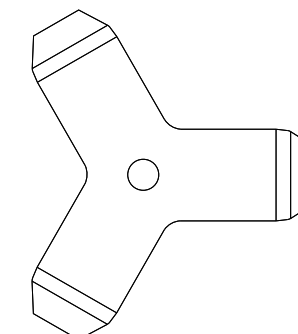
ERICSSON RADIO 4435



ERICSSON 4455 & 4435 RADIOS	2
SCALE: NOT TO SCALE	



SIDE



BOTTOM

CUSTOM MOUNTING BRACKET	3
SCALE: NOT TO SCALE	

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

403 BEACON ST
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN	AS NOTED
SCALE:	AS NOTED
DRAWN BY:	IJD
PLAN ORIG. DATE:	8/7/20

REVISIONS:

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/29/21

SITE INFO:

LAT: 42.351829
LONG: -71.085600

EXTENET NODE ID:

BB_04_new

SITE ADDRESS:

403 BEACON ST

SHEET TITLE:

WIRING DIAGRAM

SHEET NUMBER:

AT-1

DoIT PORTAL #: EXT 2267
BSL APPROVAL ON FILE

EXTENET ID:
BB_05_new

LATITUDE / LONGITUDE:
42.349047 / -71.084162

SITE ADDRESS:
284 NEWBURY ST

CITY, STATE, ZIP:
BOSTON, MA 02115



CALL BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
72 HOURS NOTICE REQUIRED.
ENTER 1-888-DIG-SAFE

NOTE:
GENERAL CONTRACTOR IS REQUIRED TO CROSS CHECK COORDINATES, EXHIBIT PHOTO, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND, CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRECTED TO ASSIGNED EXTENET PROJECT MANAGER.

PLANS PREPARED FOR:
extenet YOUR NETWORK EVERYWHERE.
SYSTEMS

PLANS PREPARED BY:
PIKE TELECOM
21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:
284 NEWBURY ST
BOSTON, MA 02115
SUFFOLK COUNTY

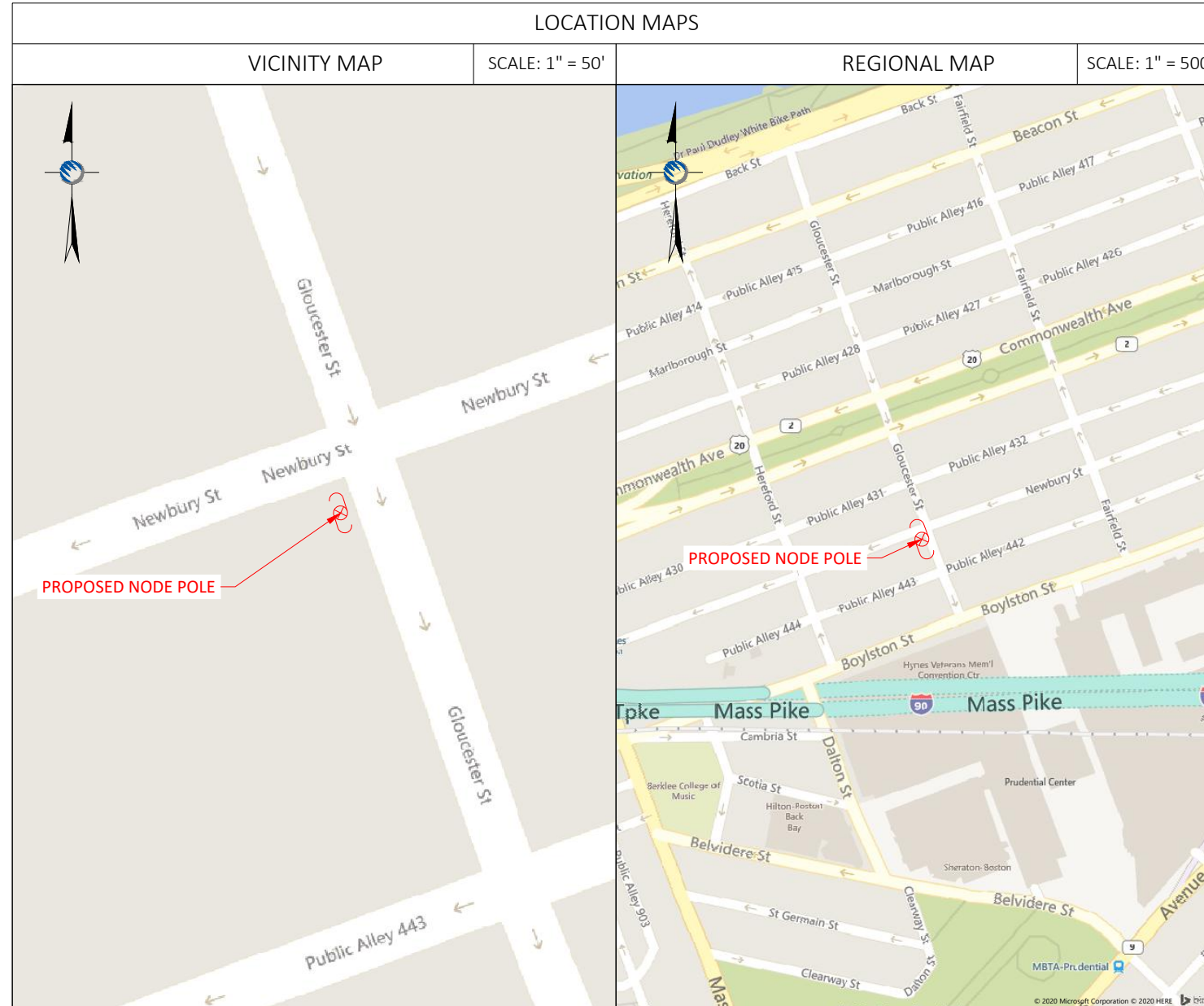
PE STAMP AREA:

GENERAL NOTES
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.

SITE INFORMATION	
EXTENET NODE ID:	BB_05_new
LATITUDE:	42.349047
LONGITUDE:	-71.084162
SITE ADDRESS:	284 NEWBURY ST
CITY, STATE ZIP:	BOSTON, MA 02115
COUNTY:	SUFFOLK
JURISDICTION:	BOSTON
PROPERTY OWNER:	PUBLIC RIGHT-OF-WAY
APPLICANT:	EXTENET SYSTEMS 3030 WARRENVILLE RD LISLE, IL 60532 (630) 505-3800

PROJECT MANAGER
JEREMY WEBER
3030 WARRENVILLE RD
SUITE 340
LISLE, IL 60532
NOC: (866) 892-5327

DO NOT SCALE DRAWINGS
CONTRACTORS SHALL VERIFY ALL PLANS, (EX.) DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



PROJECT DESCRIPTION
INVOLVING INSTALLMENT:
- THESE PLANS REPRESENT A PORTION OF A PROPOSED SMALL CELL BUILD INVOLVING THE INSTALLMENT OF AN ANTENNA AND RADIO EQUIPMENT ON AN EXISTING WOODEN UTILITY OR REPLACEMENT METAL STREETLIGHT POLE.

CODES
2019 INTERNATIONAL BUILDING CODE
NATIONAL ELECTRIC SAFETY CODE
TIA/EIA-222-G-2 OR LATEST EDITION
LOCAL BUILDING / PLANNING CODE

DRAWING INDEX

SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
SP-1	SITE PLAN & EXHIBIT PHOTO
EV-1	ELEVATION SIDE VIEW
EV-2	ELEVATION REAR VIEW
AT-1	ANTENNA DETAILS
WD-1&2	WIRING DIAGRAM
RS-1	RADIO SHROUD DETAILS
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES

DRAWING NOTES:

ORIGINAL PLAN	
SCALE:	AS NOTED
DRAWN BY:	IJD
PLAN ORIG. DATE:	8/7/20

REVISIONS:			
REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/27/21

SITE INFO:
LAT: 42.349047
LONG: -71.084162
EXTENET NODE ID:
BB_05_new
SITE ADDRESS:
284 NEWBURY ST
SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

N:\Engineering\Extenet Systems\NE-MA-BACKBAY-TMO (18 Sites)\Node Profiles\AA-AUTOCAD\BB_05_new.dwg 2/20/19

NOTE:
EXHIBIT PHOTO IS FOR
REFERENCE USE ONLY AND
SHOULD NOT BE USED FOR
CONSTRUCTION PURPOSES.



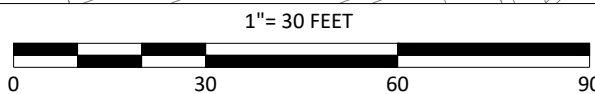
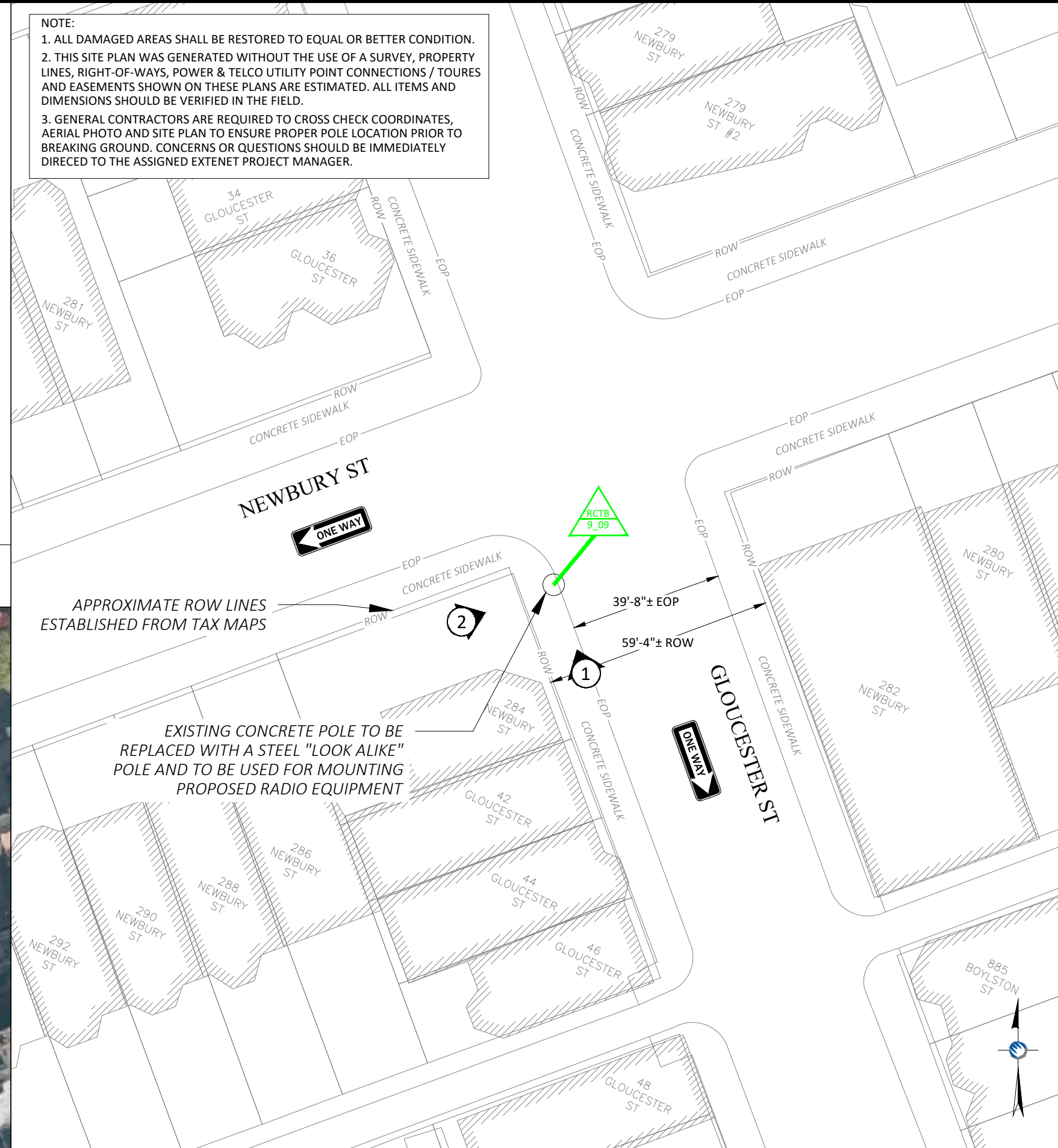
PROPOSED NODE POLE

EXHIBIT PHOTO

SCALE: NOT TO SCALE

1

NOTE:
1. ALL DAMAGED AREAS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION.
2. THIS SITE PLAN WAS GENERATED WITHOUT THE USE OF A SURVEY, PROPERTY LINES, RIGHT-OF-WAYS, POWER & TELCO UTILITY POINT CONNECTIONS / TOURES AND EASEMENTS SHOWN ON THESE PLANS ARE ESTIMATED. ALL ITEMS AND DIMENSIONS SHOULD BE VERIFIED IN THE FIELD.
3. GENERAL CONTRACTORS ARE REQUIRED TO CROSS CHECK COORDINATES, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND. CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRCED TO THE ASSIGNED EXTENET PROJECT MANAGER.



ENLARGED SITE PLAN

SCALE: 1" = 30'

3

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

284 NEWBURY ST
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	IJD
PLAN ORIG. DATE:	8/7/20

REVISIONS:			
REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/27/21

SITE INFO:

LAT: 42.349047
LONG: -71.084162

EXTENET NODE ID:

BB_05_new

SITE ADDRESS:

284 NEWBURY ST

SHEET TITLE:

SITE PLAN & EXHIBIT PHOTO

SHEET NUMBER:

SP-1

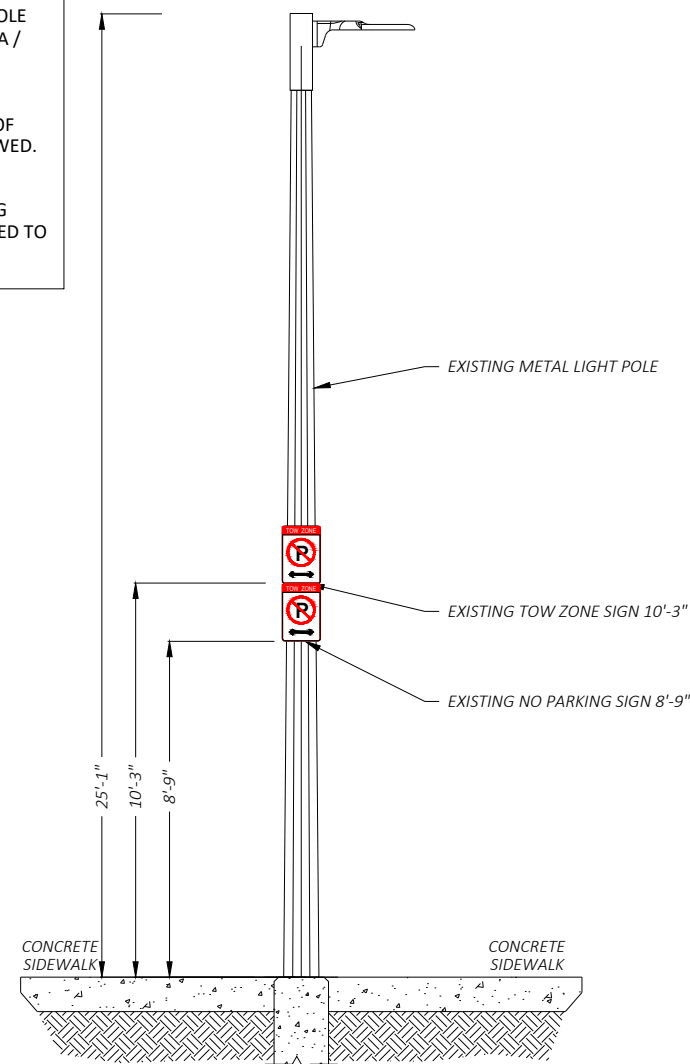
AERIAL SITE LOCATION

SCALE: 1" = 60'

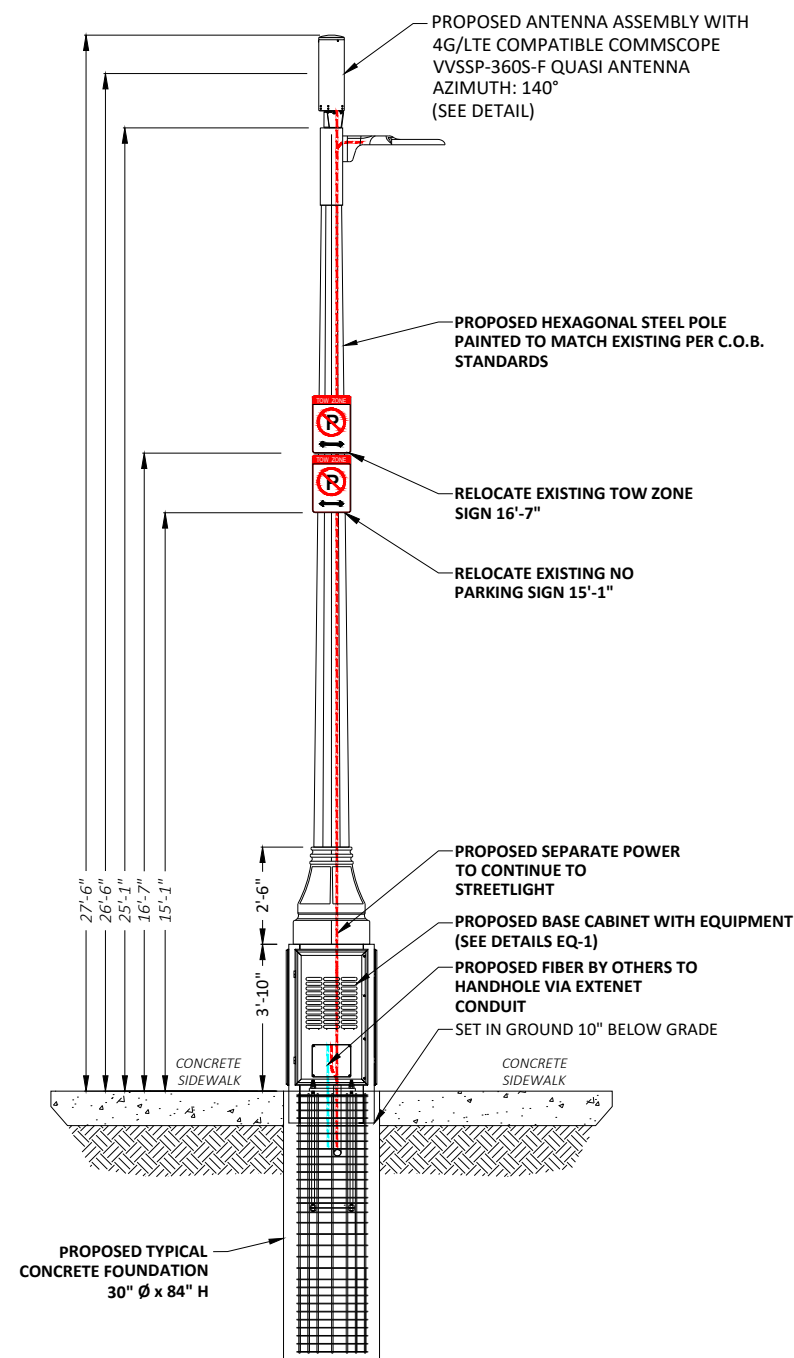
2

DRAWING NOTES:

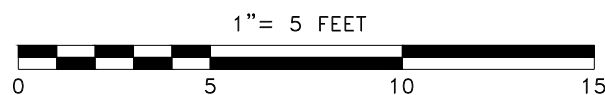
- NOTE 1:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
- NOTE 2:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.
- NOTE 3:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
- NOTE 4:
REPLACE EXISTING CONCRETE STREETLIGHT POLE WITH HEXAGONAL STEEL POLE. ADD ANTENNA / RADIO EQUIPMENT.
- NOTE 5:
ABSOLUTELY NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
- NOTE 6:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.



① EXISTING PROFILE - SIDE VIEW
LOOKING NORTHWEST ALONG GLOUCESTER ST



① PROPOSED PROFILE - SIDE VIEW
LOOKING NORTHWEST ALONG GLOUCESTER ST



POLE ELEVATIONS
SCALE: 1" = 5'

PLANS PREPARED FOR:



PLANS PREPARED BY:



21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:
284 NEWBURY ST
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	IJD
PLAN ORIG. DATE:	8/7/20

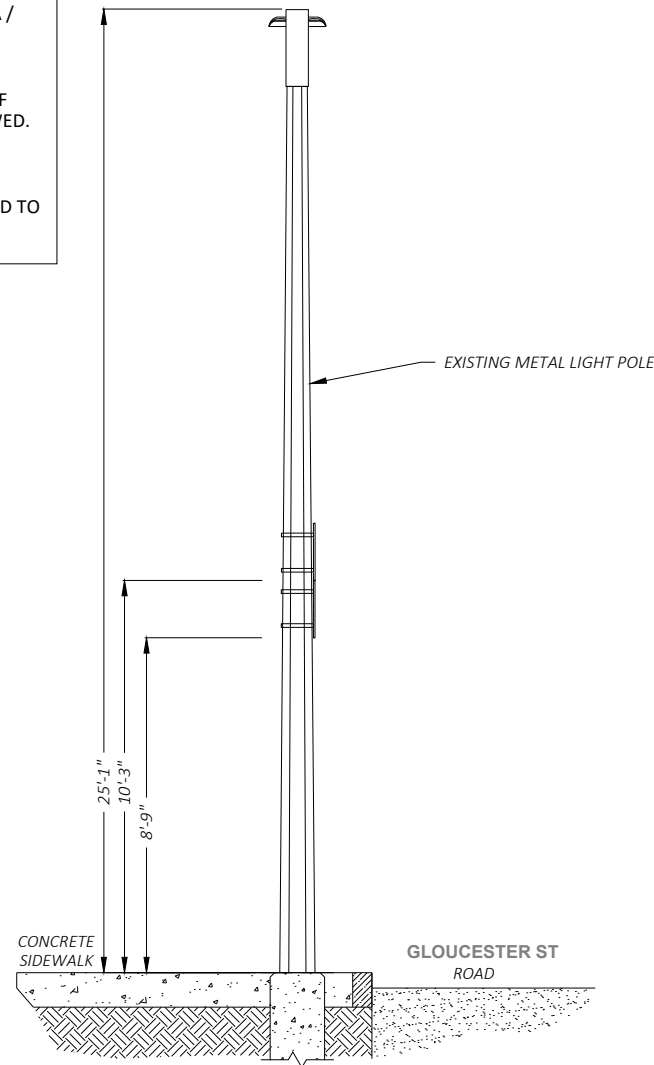
REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/27/21

SITE INFO:
LAT: 42.349047
LONG: -71.084162
EXTENET NODE ID:
BB_05_new
SITE ADDRESS:
284 NEWBURY ST
SHEET TITLE:
POLE ELEVATIONS

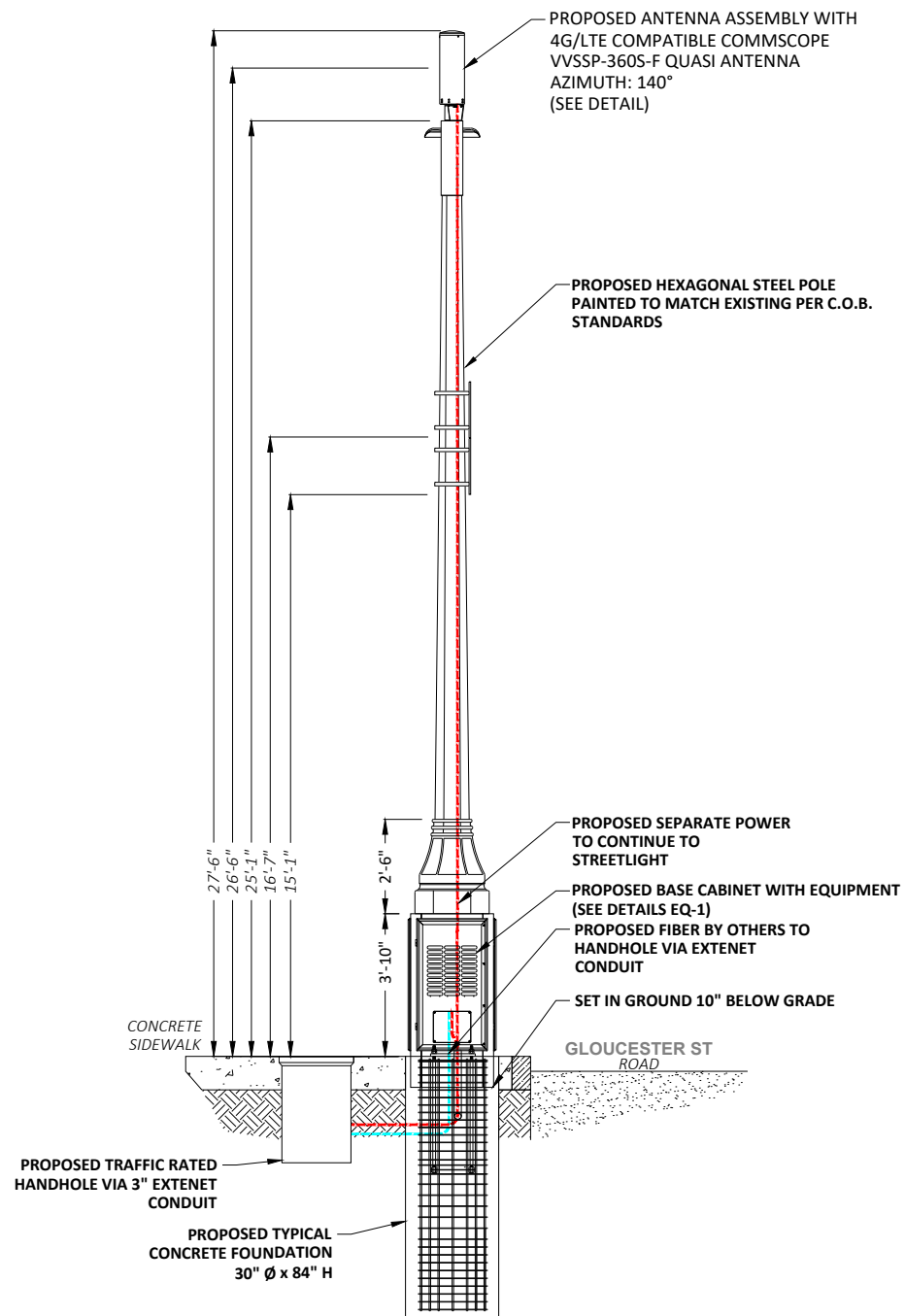
SHEET NUMBER:
EV-1

DRAWING NOTES:

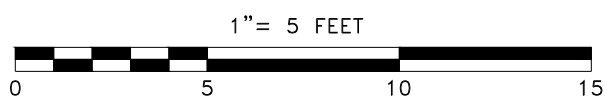
- NOTE 1:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
- NOTE 2:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.
- NOTE 3:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
- NOTE 4:
REPLACE EXISTING CONCRETE STREETLIGHT POLE WITH HEXAGONAL STEEL POLE. ADD ANTENNA / RADIO EQUIPMENT.
- NOTE 5:
ABSOLUTELY NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
- NOTE 6:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.



② EXISTING PROFILE - REAR VIEW
LOOKING NORTHEAST TOWARDS GLOUCESTER ST



② EXISTING PROFILE - REAR VIEW
LOOKING NORTHEAST TOWARDS GLOUCESTER ST



POLE ELEVATIONS
SCALE: 1" = 5'

PLANS PREPARED FOR:



PLANS PREPARED BY:



21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:
284 NEWBURY ST
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	IJD
PLAN ORIG. DATE:	8/7/20

REVISIONS:			
REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/27/21

SITE INFO:
LAT: 42.349047
LONG: -71.084162
EXTENET NODE ID:
BB_05_new
SITE ADDRESS:
284 NEWBURY ST
SHEET TITLE:
POLE ELEVATIONS

SHEET NUMBER:
EV-2

N:\Engineering\Extenet Systems\NE-MA-BACKBAY-TMO (18 Sites)\Node Profiles\AA-AUTOCAD\BB_05_new.dwg 2/20/19

VVSSP-360S-F



10-port small cell antenna, 4x 1695–2690, 4x 3400–3800 and 2x 5150–5925 MHz. 360° Horizontal Beamwidth, fixed tilt.

General Specifications

Antenna Type	Small Cell
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Fiberglass, UV resistant
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	10
RF Connector Quantity, total	10

Dimensions

Length	600 mm 23.622 in
Outer Diameter	200 mm 7.874 in

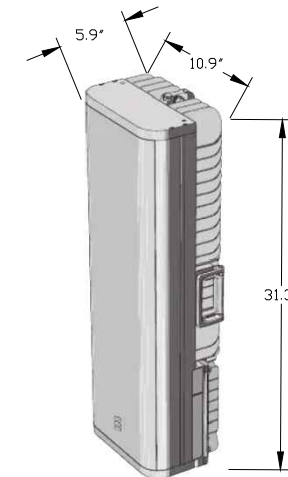
5 GHz Port Power Table

5 GHz FCC Power Requirements				
U-NII Band	U-NII 1	U-NII 2A	U-NII 2C	U-NII 3
Frequency (MHz)	5150 - 5250	5250 - 5350	5470 - 5725	5725 - 5850
Max Input power per port to align with FCC Title 47 Part 15 (Watts)	0.5	0.125	0.125	0.5

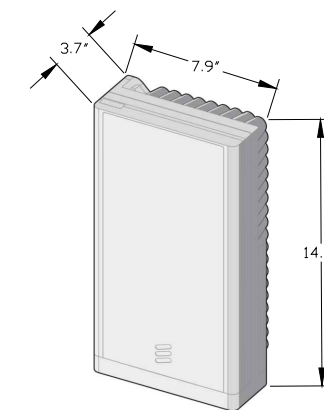


VVSSP-360S-F ANTENNA	1
SCALE: NOT TO SCALE	

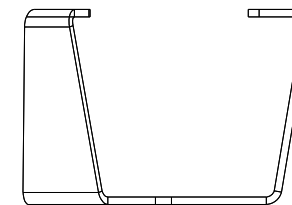
ERICSSON RADIO 4455



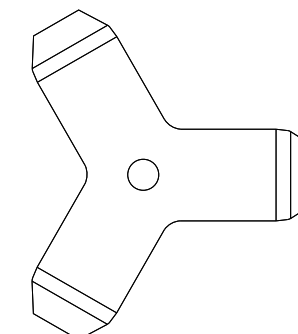
ERICSSON RADIO 4435



ERICSSON 4455 & 4435 RADIOS	2
SCALE: NOT TO SCALE	



SIDE



BOTTOM

CUSTOM MOUNTING BRACKET	3
SCALE: NOT TO SCALE	

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

284 NEWBURY ST
BOSTON, MA 02115
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN	AS NOTED
SCALE:	AS NOTED
DRAWN BY:	IJD
PLAN ORIG. DATE:	8/7/20

REVISIONS:

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/27/21

SITE INFO:

LAT: 42.350046
LONG: -71.086562

EXTENET NODE ID:
BB_01_new

SITE ADDRESS:
29 HEREFORD ST

SHEET TITLE:
ANTENNA DETAILS

SHEET NUMBER:

AT-1

DoIT PORTAL #: EXT 2265
BSL APPROVAL ON FILE

EXTENET ID:
BB_08_new

LATITUDE / LONGITUDE:
42.353175 / -71.081165

SITE ADDRESS:
274 BEACON ST

CITY, STATE, ZIP:
BOSTON, MA 02116



CALL BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
72 HOURS NOTICE REQUIRED.
ENTER 1-888-DIG-SAFE

NOTE:
GENERAL CONTRACTOR IS REQUIRED TO CROSS CHECK COORDINATES, EXHIBIT PHOTO, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND, CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRECTED TO ASSIGNED EXTENET PROJECT MANAGER.

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

274 BEACON ST
BOSTON, MA 02116
SUFFOLK COUNTY

PE STAMP AREA:

GENERAL NOTES

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.

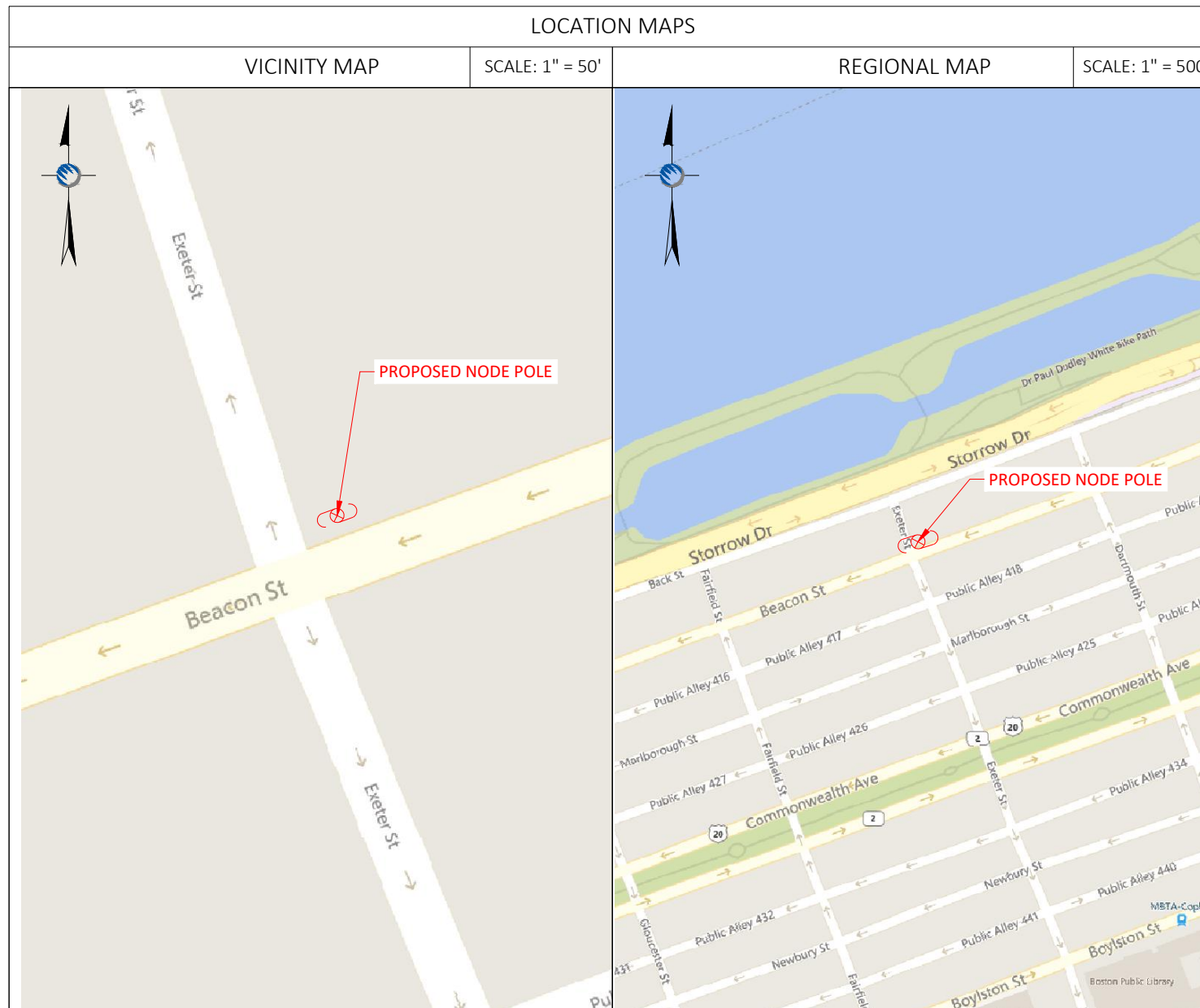
SITE INFORMATION	
EXTENET NODE ID:	BB_08_new
LATITUDE:	42.353175
LONGITUDE:	-71.081165
SITE ADDRESS:	274 BEACON ST
CITY, STATE ZIP:	BOSTON, MA 02116
COUNTY:	SUFFOLK
JURISDICTION:	BOSTON
PROPERTY OWNER:	PUBLIC RIGHT-OF-WAY
APPLICANT:	EXTENET SYSTEMS 3030 WARRENVILLE RD LISLE, IL 60532 (630) 505-3800

PROJECT MANAGER

JEREMY WEBER
3030 WARRENVILLE RD
SUITE 340
LISLE, IL 60532
NOC: (866) 892-5327

DO NOT SCALE DRAWINGS

CONTRACTORS SHALL VERIFY ALL PLANS, (EX.) DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



PROJECT DESCRIPTION

INVOLVING INSTALLMENT:

- THESE PLANS REPRESENT A PORTION OF A PROPOSED SMALL CELL BUILD INVOLVING THE INSTALLMENT OF AN ANTENNA AND RADIO EQUIPMENT ON AN EXISTING WOODEN UTILITY OR REPLACEMENT METAL STREETLIGHT POLE.

CODES

2019 INTERNATIONAL BUILDING CODE
NATIONAL ELECTRIC SAFETY CODE
TIA/EIA-222-G-2 OR LATEST EDITION
LOCAL BUILDING / PLANNING CODE

DRAWING INDEX

SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
SP-1	SITE PLAN & EXHIBIT PHOTO
EV-1	ELEVATION SIDE VIEW
EV-2	ELEVATION REAR VIEW
AT-1	ANTENNA DETAILS
WD-1&2	WIRING DIAGRAM
RS-1	RADIO SHROUD DETAILS
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES

ORIGINAL PLAN

SCALE:	AS NOTED
DRAWN BY:	IJD
PLAN ORIG. DATE:	8/10/20

REVISIONS:

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	03/03/21
1	UPDATE EQUIPMENT	MB	10/28/21

SITE INFO:

LAT: 42.353175
LONG: -71.081165
EXTENET NODE ID:
BB_08_new
SITE ADDRESS:
274 BEACON ST
SHEET TITLE:
TITLE SHEET

SHEET NUMBER:

T-1

N:\Engineering\Extenet Systems\NE-MA-BACKBAY-TMO (18 Sites)\Node Profiles\AA-AUTOCAD\BB_08_new.dwg 11/16/20

NOTE:
EXHIBIT PHOTO IS FOR
REFERENCE USE ONLY AND
SHOULD NOT BE USED FOR
CONSTRUCTION PURPOSES.



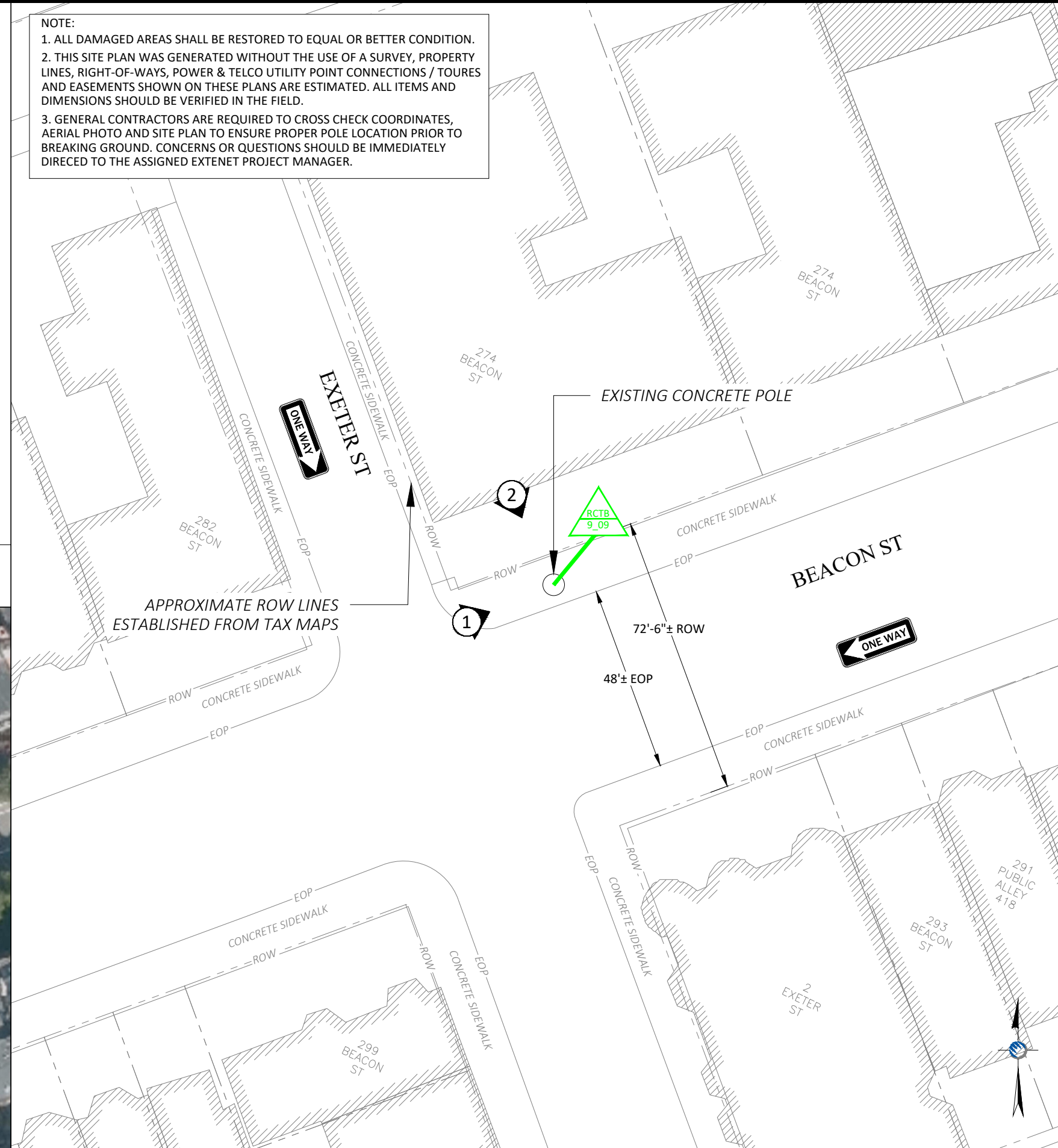
PROPOSED NODE POLE

EXHIBIT PHOTO

SCALE: NOT TO SCALE

1

NOTE:
1. ALL DAMAGED AREAS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION.
2. THIS SITE PLAN WAS GENERATED WITHOUT THE USE OF A SURVEY, PROPERTY LINES, RIGHT-OF-WAYS, POWER & TELCO UTILITY POINT CONNECTIONS / TOURES AND EASEMENTS SHOWN ON THESE PLANS ARE ESTIMATED. ALL ITEMS AND DIMENSIONS SHOULD BE VERIFIED IN THE FIELD.
3. GENERAL CONTRACTORS ARE REQUIRED TO CROSS CHECK COORDINATES, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND. CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIERCED TO THE ASSIGNED EXTENET PROJECT MANAGER.



ENLARGED SITE PLAN

SCALE: 1" = 30'

3

PLANS PREPARED FOR:
extenet YOUR NETWORK EVERYWHERE.
SYSTEMS

PLANS PREPARED BY:
PIKE TELECOM
21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:
274 BEACON ST
BOSTON, MA 02116
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	IJD
PLAN ORIG. DATE:	8/10/20

REVISIONS:			
REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	03/03/21
1	UPDATE EQUIPMENT	MB	10/28/21

SITE INFO:
LAT: 42.353175
LONG: -71.081165
EXTENET NODE ID:
BB_08_new
SITE ADDRESS:
274 BEACON ST
SHEET TITLE:
SITE PLAN & EXHIBIT PHOTO

SHEET NUMBER:

SP-1

AERIAL SITE LOCATION

SCALE: 1" = 60'

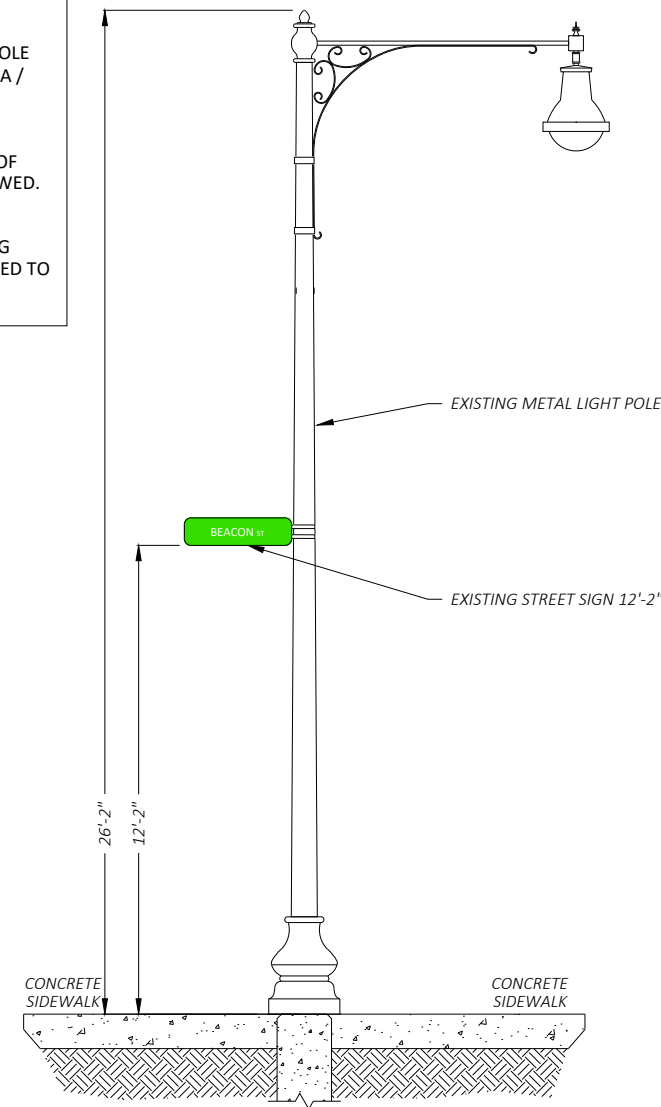
2

N:\Engineering\Extenet Systems\NE-MA-BACKBAY-TMO (18 Sites)\Node Profiles\AA-AUTOCAD\BB_08_new.dwg

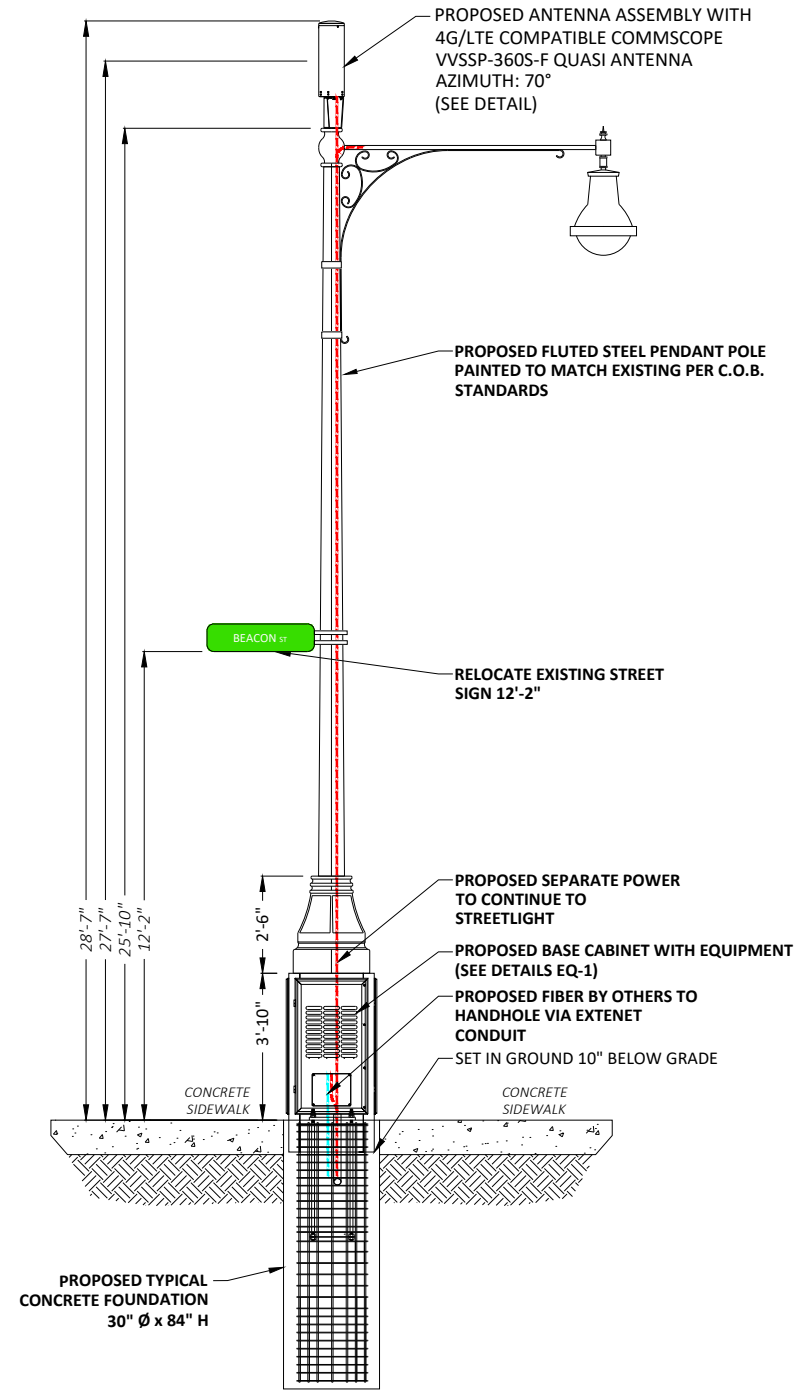
11/16/20

DRAWING NOTES:

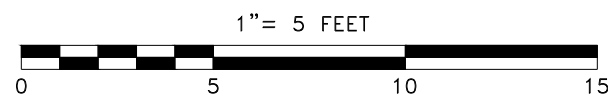
- NOTE 1:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
- NOTE 2:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.
- NOTE 3:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
- NOTE 4:
REPLACE EXISTING CONCRETE STREETLIGHT POLE WITH HEXAGONAL STEEL POLE. ADD ANTENNA / RADIO EQUIPMENT.
- NOTE 5:
ABSOLUTELY NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
- NOTE 6:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.



① EXISTING PROFILE - SIDE VIEW
LOOKING NORTHEAST ALONG BEACON ST



① PROPOSED PROFILE - SIDE VIEW
LOOKING NORTHEAST ALONG BEACON ST



POLE ELEVATIONS

SCALE: 1" = 5'

1

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

274 BEACON ST
BOSTON, MA 02116
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN

SCALE:	AS NOTED
DRAWN BY:	IJD
PLAN ORIG. DATE:	8/10/20

REVISIONS:

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	03/03/21
1	UPDATE EQUIPMENT	MB	10/28/21

SITE INFO:

LAT: 42.353175
LONG: -71.081165
EXTENET NODE ID:

BB_08_new

SITE ADDRESS:
274 BEACON ST

SHEET TITLE:
POLE ELEVATIONS

SHEET NUMBER:

EV-1

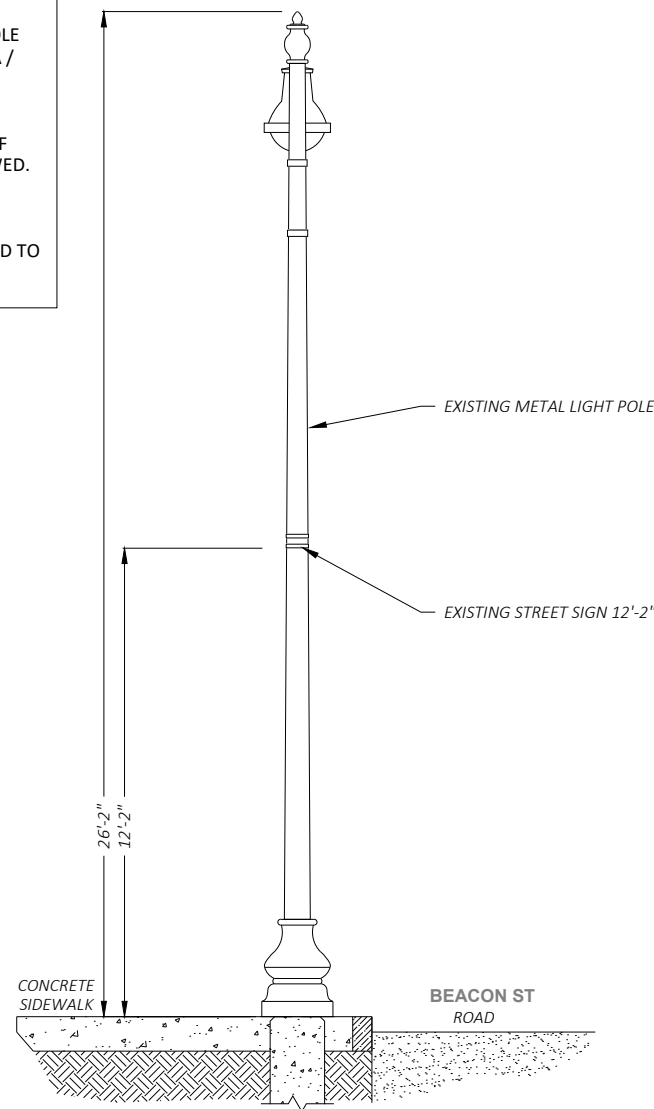
SHEET NUMBER:

EV-1

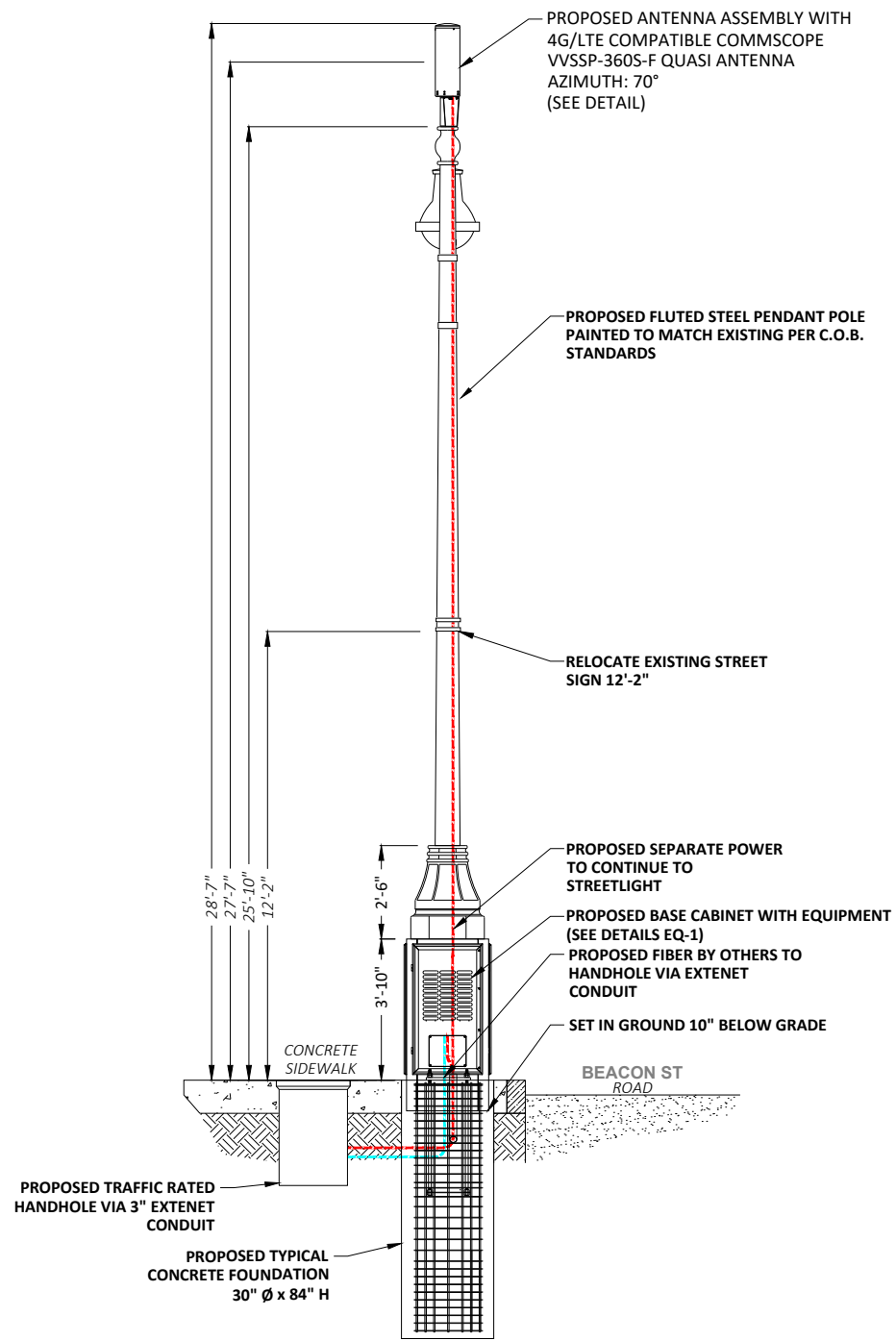
N:\Engineering\Extenet Systems\NE-MA-BACKBAY-TMO (18 Sites)\Node Profiles\AA-AUTOCAD\BB_08_new.dwg 11/16/20

DRAWING NOTES:

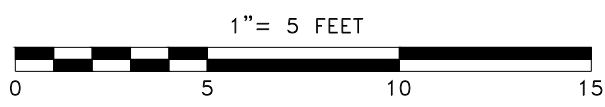
- NOTE 1:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
- NOTE 2:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.
- NOTE 3:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
- NOTE 4:
REPLACE EXISTING CONCRETE STREETLIGHT POLE WITH HEXAGONAL STEEL POLE. ADD ANTENNA / RADIO EQUIPMENT.
- NOTE 5:
ABSOLUTELY NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
- NOTE 6:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.



② EXISTING PROFILE - REAR VIEW
LOOKING SOUTHEAST TOWARDS BEACON ST



② EXISTING PROFILE - REAR VIEW
LOOKING SOUTHEAST TOWARDS BEACON ST



POLE ELEVATIONS
SCALE: 1" = 5'

PLANS PREPARED FOR:



PLANS PREPARED BY:



21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:
274 BEACON ST
BOSTON, MA 02116
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	IJD
PLAN ORIG. DATE:	8/10/20

REVISIONS:			
REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	03/03/21
1	UPDATE EQUIPMENT	MB	10/28/21

SITE INFO:
LAT: 42.353175
LONG: -71.081165
EXTENET NODE ID:
BB_08_new
SITE ADDRESS:
274 BEACON ST
SHEET TITLE:
POLE ELEVATIONS

SHEET NUMBER:
EV-2

VVSSP-360S-F



10-port small cell antenna, 4x 1695–2690, 4x 3400–3800 and 2x 5150–5925 MHz. 360° Horizontal Beamwidth, fixed tilt.

General Specifications

Antenna Type	Small Cell
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Fiberglass, UV resistant
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	10
RF Connector Quantity, total	10

Dimensions

Length	600 mm 23.622 in
Outer Diameter	200 mm 7.874 in

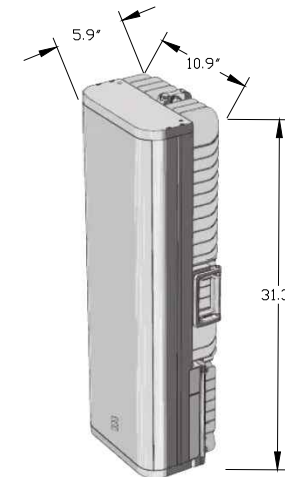
5 GHz Port Power Table

5 GHz FCC Power Requirements				
U-NII Band	U-NII 1	U-NII 2A	U-NII 2C	U-NII 3
Frequency (MHz)	5150 - 5250	5250 - 5350	5470 - 5725	5725 - 5850
Max Input power per port to align with FCC Title 47 Part 15 (Watts)	0.5	0.125	0.125	0.5

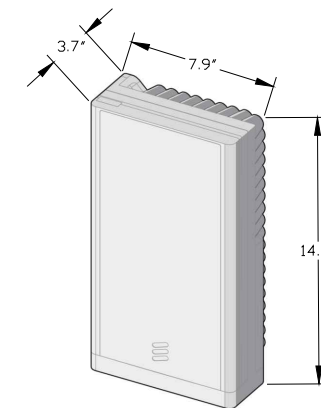


VVSSP-360S-F ANTENNA	1
SCALE: NOT TO SCALE	

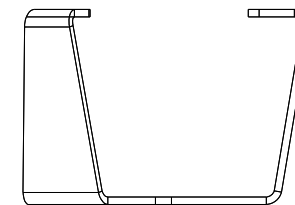
ERICSSON RADIO 4455



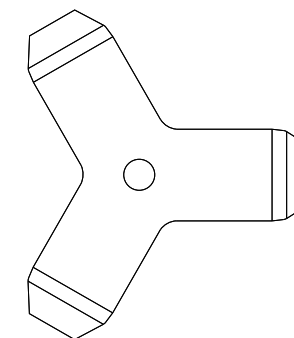
ERICSSON RADIO 4435



ERICSSON 4455 & 4435 RADIOS	2
SCALE: NOT TO SCALE	



SIDE



BOTTOM

CUSTOM MOUNTING BRACKET	3
SCALE: NOT TO SCALE	

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

274 BEACON ST
BOSTON, MA 02116
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN	AS NOTED
SCALE:	AS NOTED
DRAWN BY:	IJD
PLAN ORIG. DATE:	8/10/20

REVISIONS:

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	03/03/21
1	UPDATE EQUIPMENT	MB	10/28/21

SITE INFO:

LAT: 42.350046
LONG: -71.086562

EXTENET NODE ID:

BB_01_new

SITE ADDRESS:

29 HEREFORD ST

SHEET TITLE:

ANTENNA DETAILS

SHEET NUMBER:

AT-1

DoIT PORTAL #: EXT 2285
BSL APPROVAL ON FILE

EXTENET ID:
BB_12_new

LATITUDE / LONGITUDE:
42.353007 / -71.076483

SITE ADDRESS:
CLARENDON ST

CITY, STATE, ZIP:
BOSTON, MA 02116



CALL BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
72 HOURS NOTICE REQUIRED.
ENTER 1-888-DIG-SAFE

NOTE:
GENERAL CONTRACTOR IS REQUIRED TO CROSS CHECK COORDINATES, EXHIBIT PHOTO, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND, CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRECTED TO ASSIGNED EXTENET PROJECT MANAGER.

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

CLARENDON ST
BOSTON, MA 02116
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN

SCALE:	AS NOTED
DRAWN BY:	ECF
PLAN ORIG. DATE:	8/11/20

REVISIONS:

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/28/21

SITE INFO:

LAT: 42.353007
LONG: -71.076483
EXTENET NODE ID:
BB_12_new
SITE ADDRESS:
CLARENDON ST
SHEET TITLE:
TITLE SHEET

SHEET NUMBER:

T-1

GENERAL NOTES

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.

SITE INFORMATION

EXTENET NODE ID:	BB_12_new
LATITUDE:	42.353007
LONGITUDE:	-71.076483
SITE ADDRESS:	CLARENDON ST
CITY, STATE ZIP:	BOSTON, MA 02116
COUNTY:	SUFFOLK
JURISDICTION:	BOSTON
PROPERTY OWNER:	PUBLIC RIGHT-OF-WAY
APPLICANT:	EXTENET SYSTEMS 3030 WARRENVILLE RD LISLE, IL 60532 (630) 505-3800

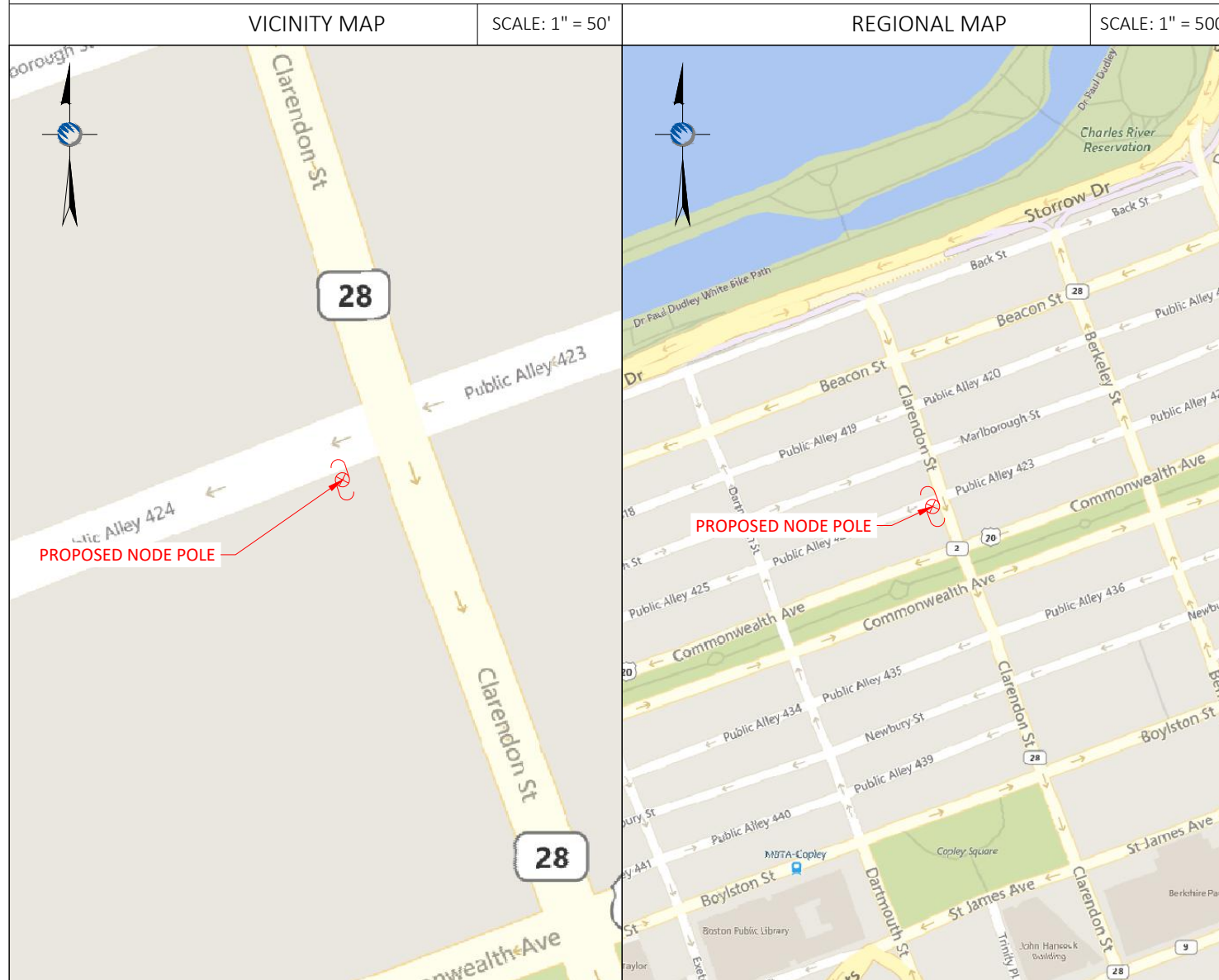
PROJECT MANAGER

JEREMY WEBER
3030 WARRENVILLE RD
SUITE 340
LISLE, IL 60532
NOC: (866) 892-5327

DO NOT SCALE DRAWINGS

CONTRACTORS SHALL VERIFY ALL PLANS, (EX.) DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

LOCATION MAPS



PROJECT DESCRIPTION

INVOLVING INSTALLMENT:
- THESE PLANS REPRESENT A PORTION OF A PROPOSED SMALL CELL BUILD INVOLVING THE INSTALLMENT OF AN ANTENNA AND RADIO EQUIPMENT ON AN EXISTING WOODEN UTILITY OR REPLACEMENT METAL STREETLIGHT POLE.

CODES

2019 INTERNATIONAL BUILDING CODE
NATIONAL ELECTRIC SAFETY CODE
TIA/EIA-222-G-2 OR LATEST EDITION
LOCAL BUILDING / PLANNING CODE

DRAWING INDEX

SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
SP-1	SITE PLAN & EXHIBIT PHOTO
EV-1	ELEVATION SIDE VIEW
EV-2	ELEVATION REAR VIEW
AT-1	ANTENNA DETAILS
WD-1&2	WIRING DIAGRAM
RS-1	RADIO SHROUD DETAILS
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES

NOTE:
EXHIBIT PHOTO IS FOR
REFERENCE USE ONLY AND
SHOULD NOT BE USED FOR
CONSTRUCTION PURPOSES.



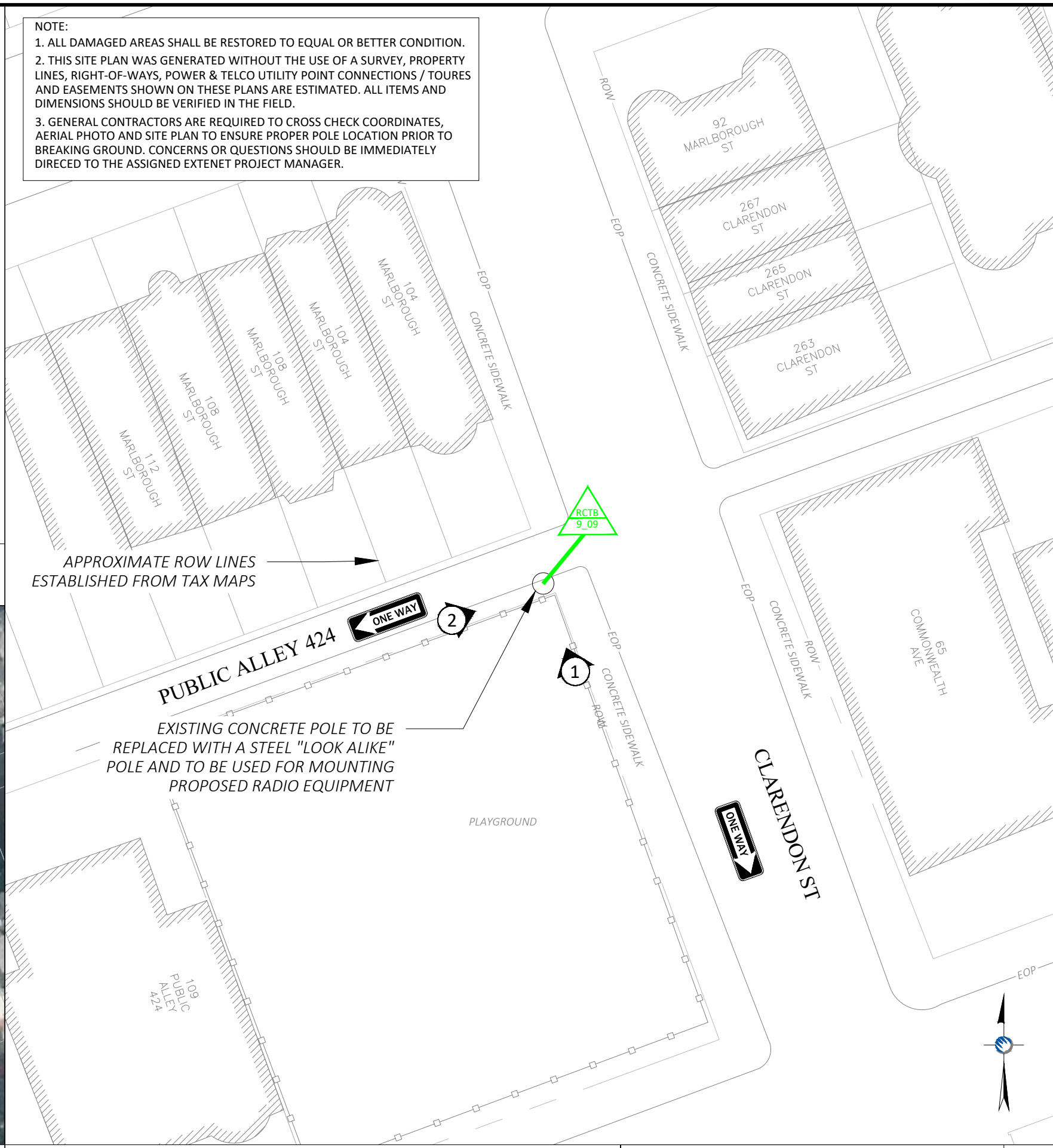
PROPOSED NODE POLE

EXHIBIT PHOTO

SCALE: NOT TO SCALE

1

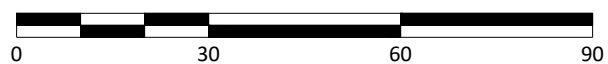
NOTE:
1. ALL DAMAGED AREAS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION.
2. THIS SITE PLAN WAS GENERATED WITHOUT THE USE OF A SURVEY, PROPERTY LINES, RIGHT-OF-WAYS, POWER & TELCO UTILITY POINT CONNECTIONS / TOURES AND EASEMENTS SHOWN ON THESE PLANS ARE ESTIMATED. ALL ITEMS AND DIMENSIONS SHOULD BE VERIFIED IN THE FIELD.
3. GENERAL CONTRACTORS ARE REQUIRED TO CROSS CHECK COORDINATES, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND. CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRCED TO THE ASSIGNED EXTENET PROJECT MANAGER.



APPROXIMATE ROW LINES
ESTABLISHED FROM TAX MAPS

EXISTING CONCRETE POLE TO BE
REPLACED WITH A STEEL "LOOK ALIKE"
POLE AND TO BE USED FOR MOUNTING
PROPOSED RADIO EQUIPMENT

1" = 30 FEET



ENLARGED SITE PLAN

SCALE: 1" = 30'

3

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

CLARENDON ST
BOSTON, MA 02116
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	ECF
PLAN ORIG. DATE:	8/11/20

REVISIONS:			
REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/28/21

SITE INFO:

LAT: 42.353007
LONG: -71.076483
EXTENET NODE ID:
BB_12_new
SITE ADDRESS:
CLARENDON ST
SHEET TITLE:
SITE PLAN & EXHIBIT PHOTO

SHEET NUMBER:

SP-1

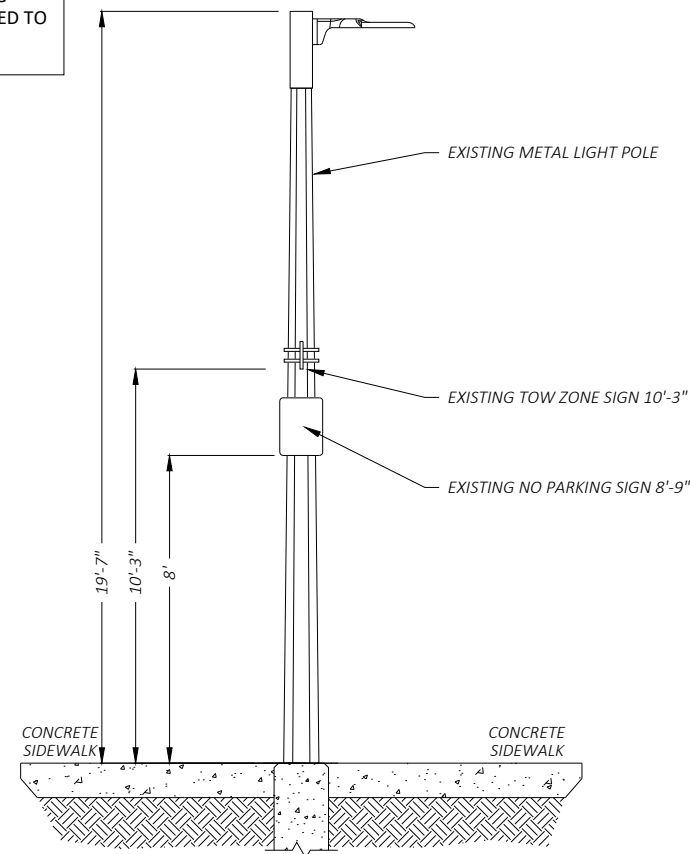
AERIAL SITE LOCATION

SCALE: 1" = 60'

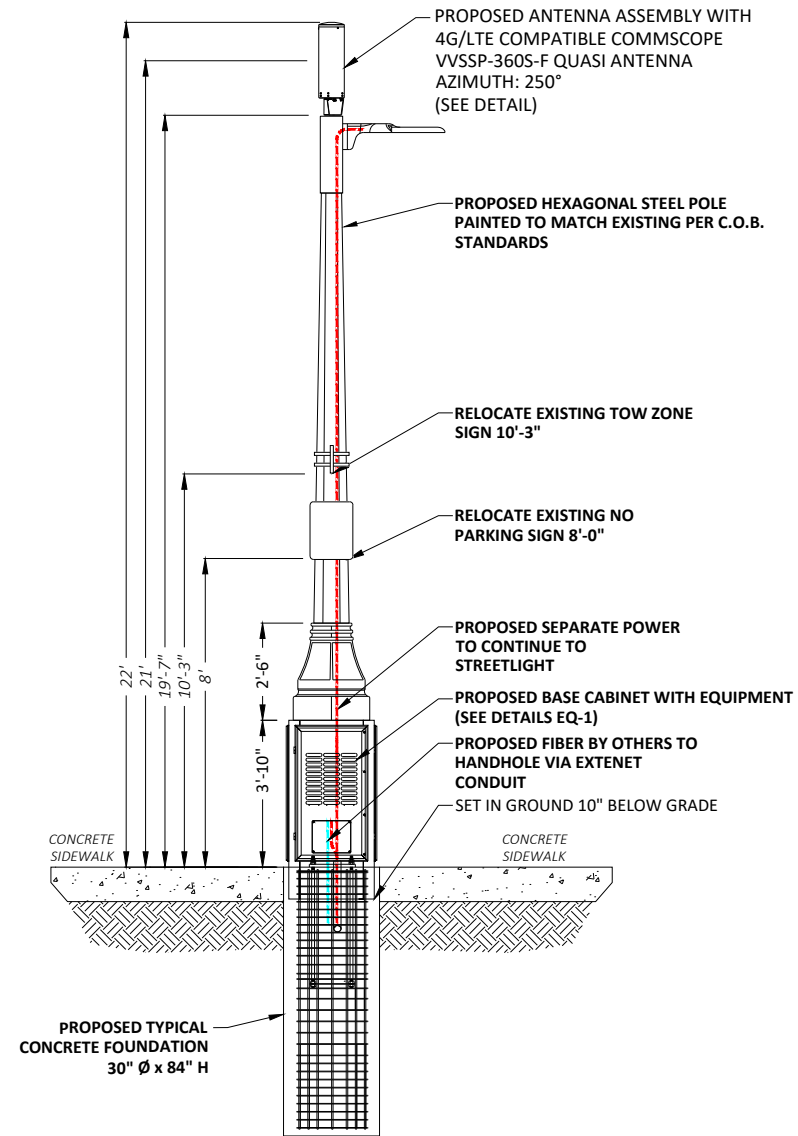
2

DRAWING NOTES:

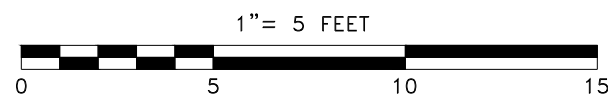
- NOTE 1:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
- NOTE 2:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.
- NOTE 3:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
- NOTE 4:
REPLACE EXISTING CONCRETE STREETLIGHT POLE WITH HEXAGONAL STEEL POLE. ADD ANTENNA / RADIO EQUIPMENT.
- NOTE 5:
ABSOLUTELY NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
- NOTE 6:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.



① EXISTING PROFILE - SIDE VIEW
LOOKING NORTHEAST ALONG PUBLIC ALLEY 424



① PROPOSED PROFILE - SIDE VIEW
LOOKING NORTHEAST ALONG PUBLIC ALLEY 424



POLE ELEVATIONS

SCALE: 1" = 5'

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

CLARENDON ST
BOSTON, MA 02116
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN:

SCALE: AS NOTED

DRAWN BY: ECF

PLAN ORIG. DATE: 8/11/20

REVISIONS:

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/28/21

SITE INFO:

LAT: 42.353007

LONG: -71.076483

EXTENET NODE ID:

BB_12_new

SITE ADDRESS:

CLARENDON ST

SHEET TITLE:

POLE ELEVATIONS

SHEET NUMBER:

EV-1

1

1

1

1

1

1

1

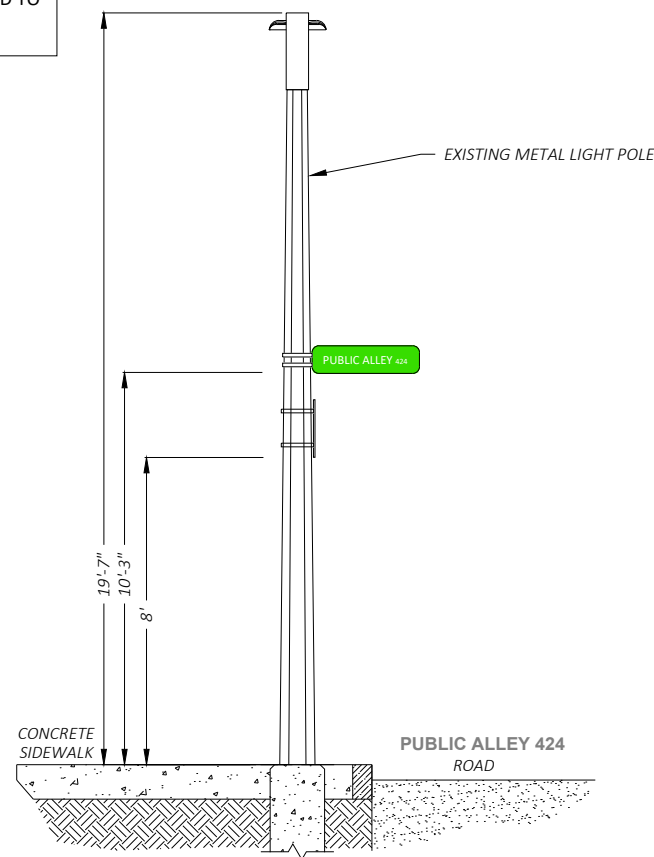
1

1

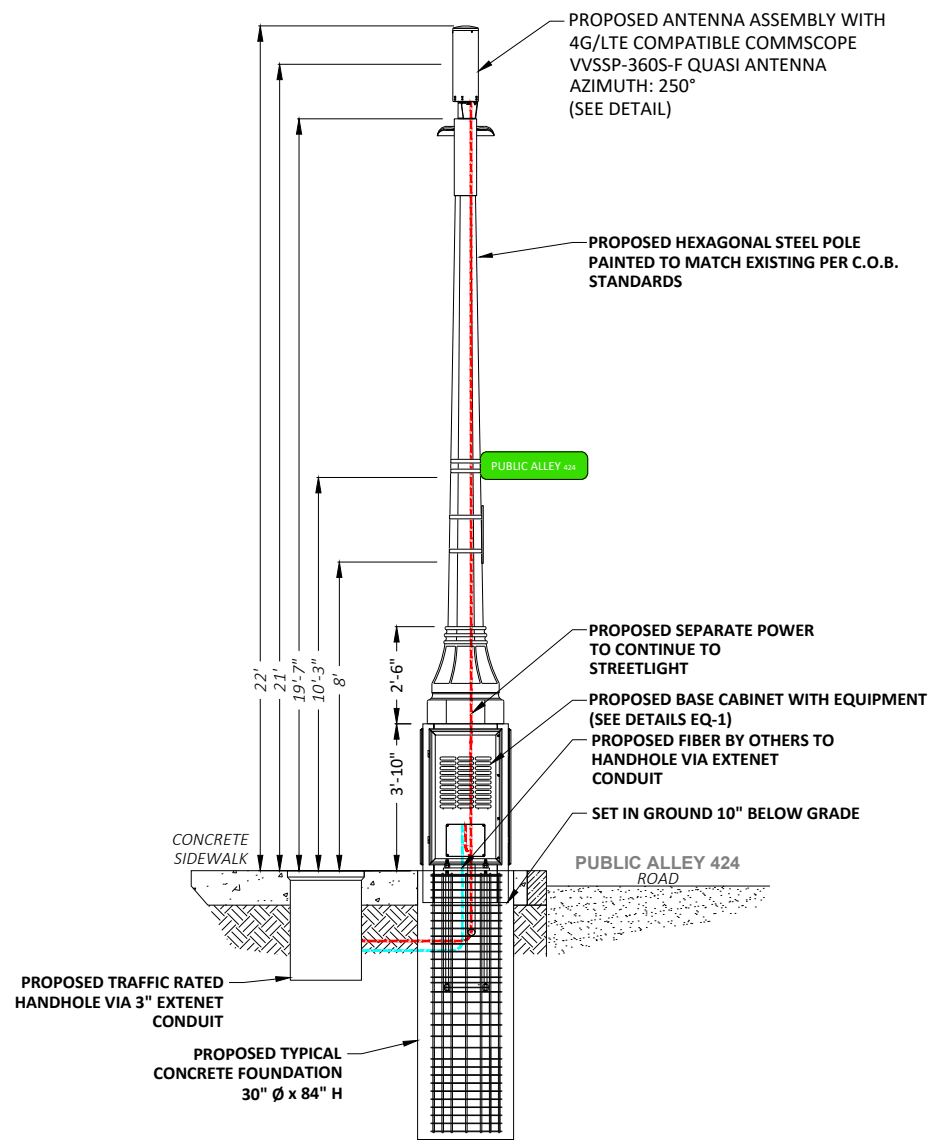
1

DRAWING NOTES:

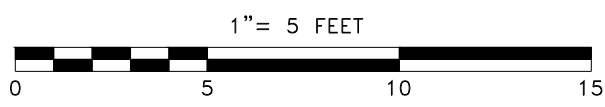
- NOTE 1:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
- NOTE 2:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.
- NOTE 3:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
- NOTE 4:
REPLACE EXISTING CONCRETE STREETLIGHT POLE WITH HEXAGONAL STEEL POLE. ADD ANTENNA / RADIO EQUIPMENT.
- NOTE 5:
ABSOLUTELY NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
- NOTE 6:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.



② EXISTING PROFILE - REAR VIEW
LOOKING NORTHWEST TOWARDS PUBLIC ALLEY 424



② PROPOSED PROFILE - REAR VIEW
LOOKING NORTHWEST TOWARDS PUBLIC ALLEY 424



POLE ELEVATIONS

SCALE: 1" = 5'

PLANS PREPARED FOR:



PLANS PREPARED BY:



21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:
CLARENDON ST
BOSTON, MA 02116
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	ECF
PLAN ORIG. DATE:	8/11/20

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/28/21

SITE INFO:
LAT: 42.353007
LONG: -71.076483
EXTENET NODE ID:
BB_12_new
SITE ADDRESS:
CLARENDON ST
SHEET TITLE:
POLE ELEVATIONS

SHEET NUMBER:
EV-2

VVSSP-360S-F



10-port small cell antenna, 4x 1695–2690, 4x 3400–3800 and 2x 5150–5925 MHz. 360° Horizontal Beamwidth, fixed tilt.

General Specifications

Antenna Type	Small Cell
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Fiberglass, UV resistant
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	10
RF Connector Quantity, total	10

Dimensions

Length	600 mm 23.622 in
Outer Diameter	200 mm 7.874 in

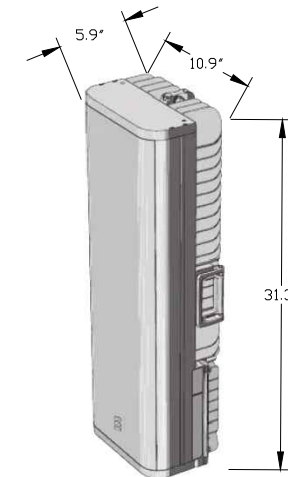
5 GHz Port Power Table

5 GHz FCC Power Requirements				
U-NII Band	U-NII 1	U-NII 2A	U-NII 2C	U-NII 3
Frequency (MHz)	5150 - 5250	5250 - 5350	5470 - 5725	5725 - 5850
Max Input power per port to align with FCC Title 47 Part 15 (Watts)	0.5	0.125	0.125	0.5

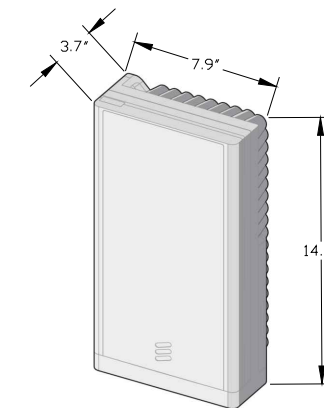


VVSSP-360S-F ANTENNA	1
SCALE: NOT TO SCALE	

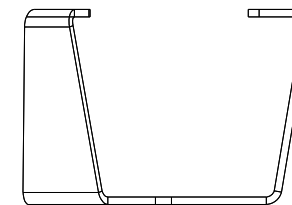
ERICSSON
RADIO 4455



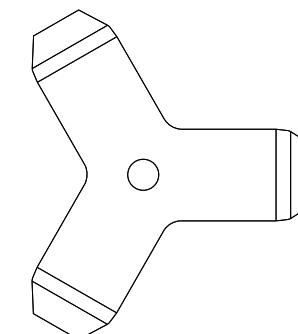
ERICSSON
RADIO 4435



ERICSSON 4455 & 4435 RADIOS	2
SCALE: NOT TO SCALE	



SIDE



BOTTOM

CUSTOM MOUNTING BRACKET	3
SCALE: NOT TO SCALE	

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

CLARENDON ST
BOSTON, MA 02116
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN	AS NOTED
SCALE:	AS NOTED
DRAWN BY:	ECF
PLAN ORIG. DATE:	8/11/20

REVISIONS:

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	02/26/21
1	UPDATE EQUIPMENT	MB	10/28/21

SITE INFO:

LAT: 42.353007
LONG: -71.076483

EXTENET NODE ID:
BB_12_new

SITE ADDRESS:
CLARENDON ST

SHEET TITLE:
ANTENNA DETAILS

SHEET NUMBER:

AT-1

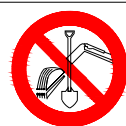
DoIT PORTAL #: EXT 2273
BSL APPROVAL ON FILE

EXTENET ID:
BB_13_new

LATITUDE / LONGITUDE:
42.353351 / -71.074002

SITE ADDRESS:
29 COMM AVE

CITY, STATE, ZIP:
BOSTON, MA 02116



CALL BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
72 HOURS NOTICE REQUIRED.
ENTER 1-888-DIG-SAFE

NOTE:
GENERAL CONTRACTOR IS REQUIRED TO CROSS CHECK COORDINATES, EXHIBIT PHOTO, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND, CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRECTED TO ASSIGNED EXTENET PROJECT MANAGER.

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

29 COMM AVE
BOSTON, MA 02116
SUFFOLK COUNTY

PE STAMP AREA:

GENERAL NOTES

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.

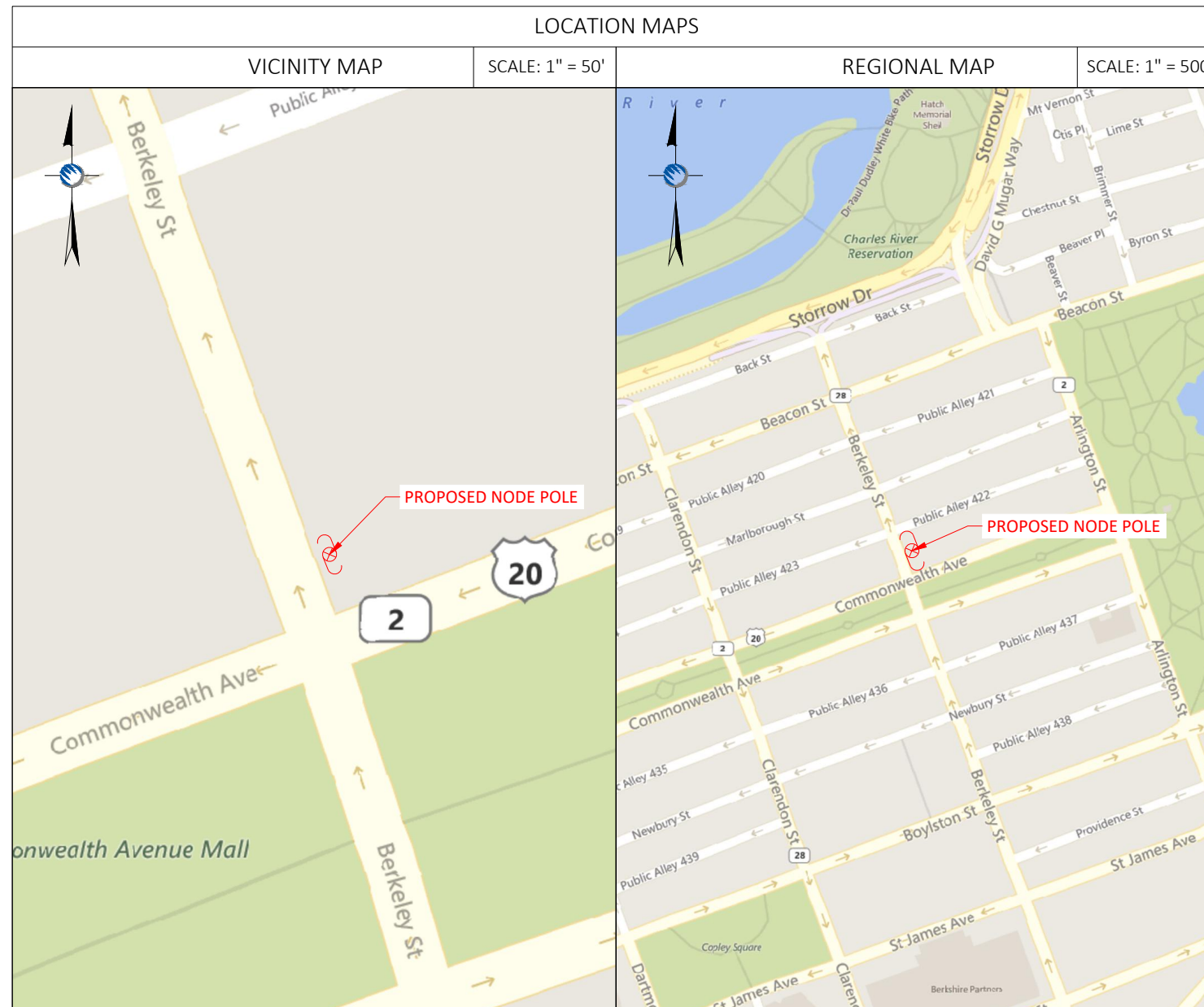
SITE INFORMATION	
EXTENET NODE ID:	BB_13_new
LATITUDE:	42.353351
LONGITUDE:	-71.074002
SITE ADDRESS:	29 COMM AVE
CITY, STATE ZIP:	BOSTON, MA 02116
COUNTY:	SUFFOLK
JURISDICTION:	BOSTON
PROPERTY OWNER:	PUBLIC RIGHT-OF-WAY
APPLICANT:	EXTENET SYSTEMS 3030 WARRENVILLE RD LISLE, IL 60532 (630) 505-3800

PROJECT MANAGER

JEREMY WEBER
3030 WARRENVILLE RD
SUITE 340
LISLE, IL 60532
NOC: (866) 892-5327

DO NOT SCALE DRAWINGS

CONTRACTORS SHALL VERIFY ALL PLANS, (EX.) DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



PROJECT DESCRIPTION

INVOLVING INSTALLMENT:

- THESE PLANS REPRESENT A PORTION OF A PROPOSED SMALL CELL BUILD INVOLVING THE INSTALLMENT OF AN ANTENNA AND RADIO EQUIPMENT ON AN EXISTING WOODEN UTILITY OR REPLACEMENT METAL STREETLIGHT POLE.

CODES

2019 INTERNATIONAL BUILDING CODE
NATIONAL ELECTRIC SAFETY CODE
TIA/EIA-222-G-2 OR LATEST EDITION
LOCAL BUILDING / PLANNING CODE

DRAWING INDEX

SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
SP-1	SITE PLAN & EXHIBIT PHOTO
EV-1	ELEVATION SIDE VIEW
EV-2	ELEVATION REAR VIEW
AT-1	ANTENNA DETAILS
WD-1&2	WIRING DIAGRAM
RS-1	RADIO SHROUD DETAILS
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES

DRAWING NOTES:

ORIGINAL PLAN	
SCALE:	AS NOTED
DRAWN BY:	MS
PLAN ORIG. DATE:	08/11/20

REVISIONS:			
REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	03/03/21
1	UPDATE EQUIPMENT	MB	10/28/21

SITE INFO:

LAT: 42.353351
LONG: -71.074002

EXTENET NODE ID:
BB_13_new

SITE ADDRESS:
29 COMM AVE

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

NOTE:
EXHIBIT PHOTO IS FOR
REFERENCE USE ONLY AND
SHOULD NOT BE USED FOR
CONSTRUCTION PURPOSES.



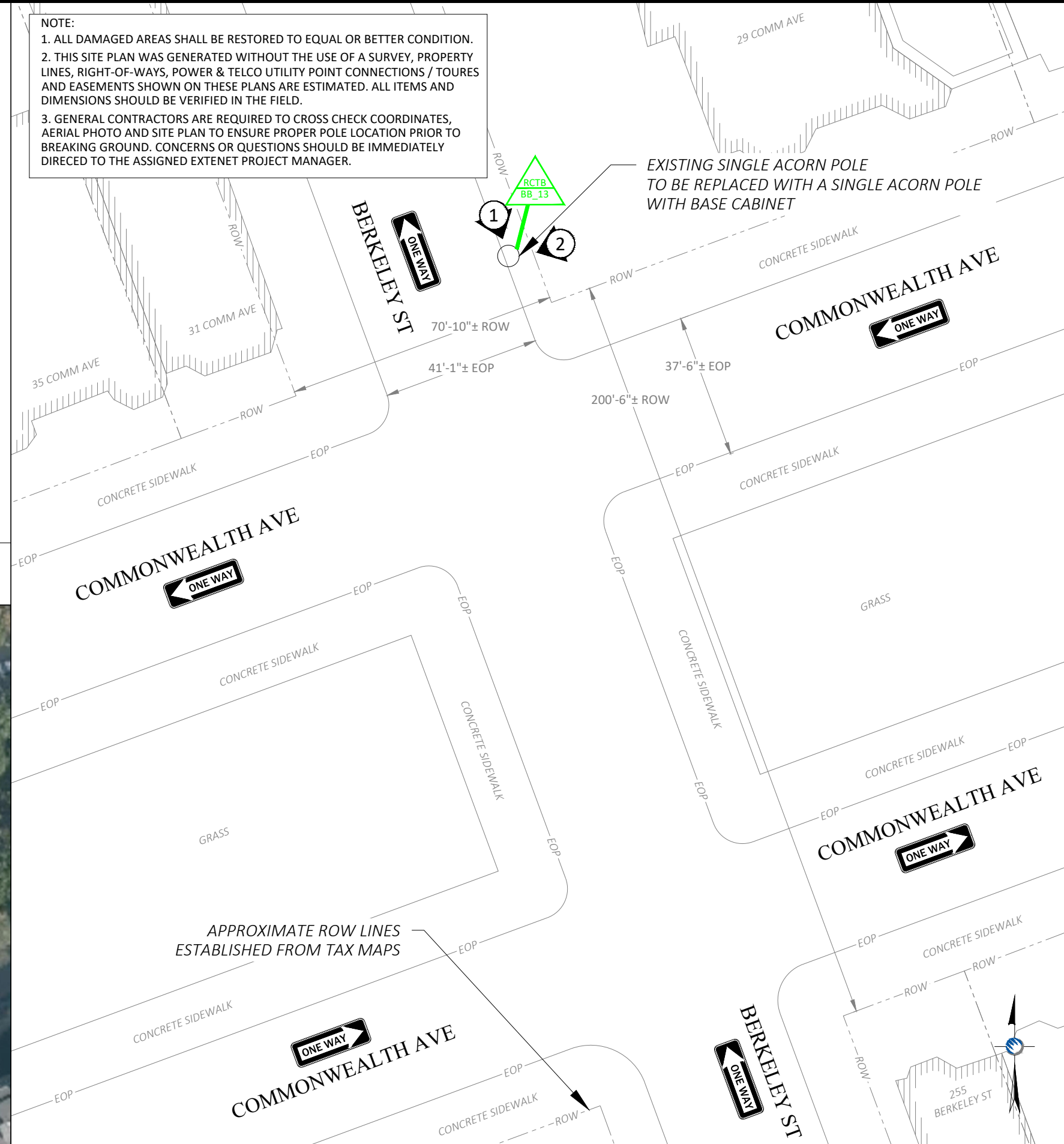
PROPOSED NODE POLE

EXHIBIT PHOTO

SCALE: NOT TO SCALE

1

NOTE:
1. ALL DAMAGED AREAS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION.
2. THIS SITE PLAN WAS GENERATED WITHOUT THE USE OF A SURVEY, PROPERTY LINES, RIGHT-OF-WAYS, POWER & TELCO UTILITY POINT CONNECTIONS / TOURES AND EASEMENTS SHOWN ON THESE PLANS ARE ESTIMATED. ALL ITEMS AND DIMENSIONS SHOULD BE VERIFIED IN THE FIELD.
3. GENERAL CONTRACTORS ARE REQUIRED TO CROSS CHECK COORDINATES, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND. CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRCED TO THE ASSIGNED EXTENET PROJECT MANAGER.



1" = 30 FEET



ENLARGED SITE PLAN

SCALE: 1" = 30'

3

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

29 COMM AVE
BOSTON, MA 02116
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN	AS NOTED
SCALE:	AS NOTED
DRAWN BY:	MS
PLAN ORIG. DATE:	08/11/20

REVISIONS:			
REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	03/03/21
	UPDATE EQUIPMENT	MB	10/28/21

SITE INFO:

LAT: 42.353351
LONG: -71.074002
EXTENET NODE ID:
BB_13_new
SITE ADDRESS:
29 COMM AVE
SHEET TITLE:
SITE PLAN & EXHIBIT PHOTO

SHEET NUMBER:

SP-1

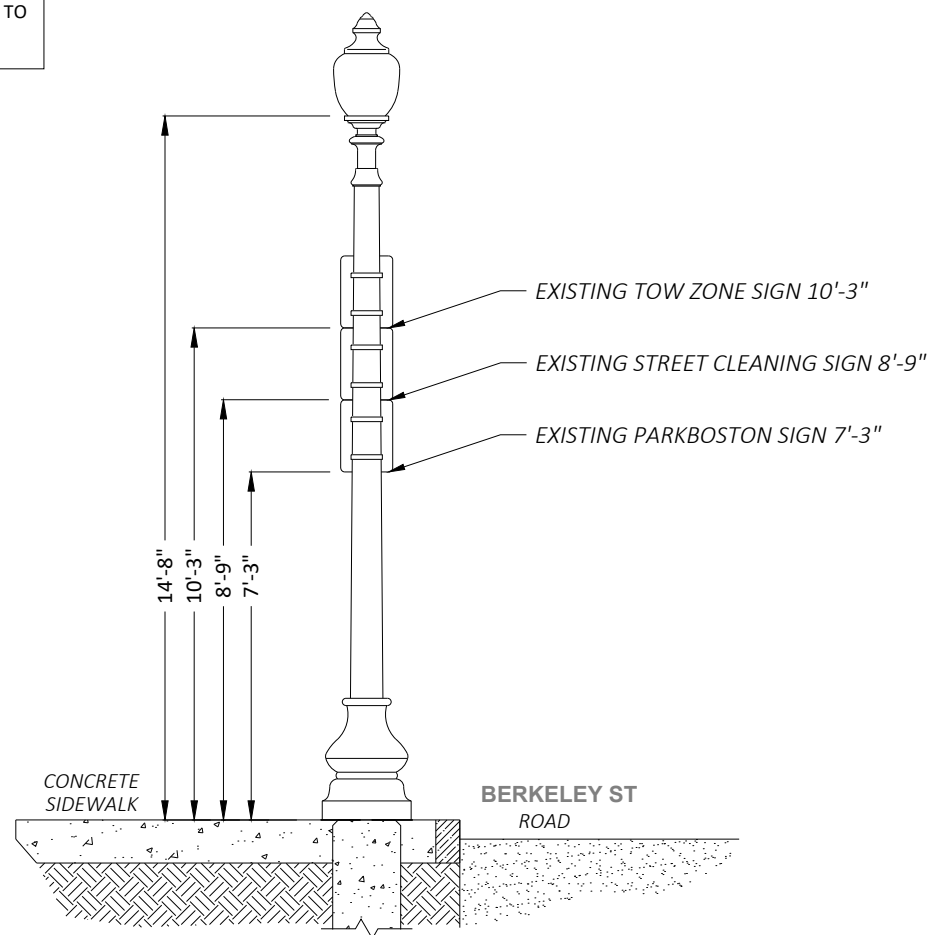
AERIAL SITE LOCATION

SCALE: 1" = 60'

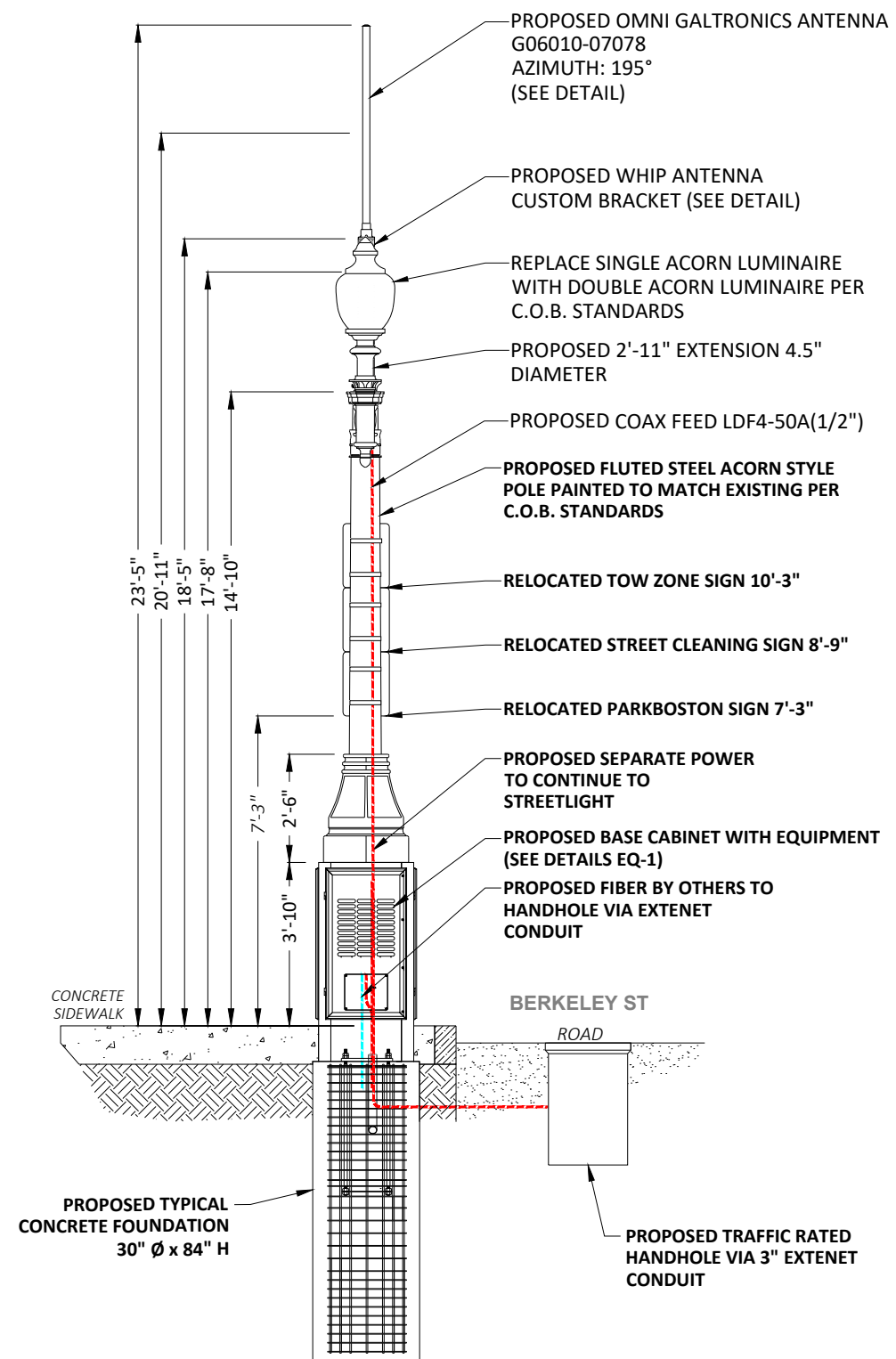
2

DRAWING NOTES:

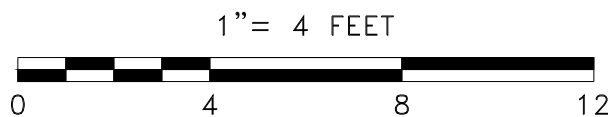
- NOTE 1:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
- NOTE 2:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.
- NOTE 3:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
- NOTE 4:
REPLACE EXISTING CONCRETE STREETLIGHT POLE WITH HEXAGONAL STEEL POLE. ADD ANTENNA / RADIO EQUIPMENT.
- NOTE 5:
ABSOLUTELY NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
- NOTE 6:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.



① EXISTING PROFILE - SIDE VIEW
LOOKING SOUTHEAST ALONG BERKELEY ST



① PROPOSED PROFILE - SIDE VIEW
LOOKING SOUTHEAST ALONG BERKELEY ST



POLE ELEVATIONS
SCALE: 1" = 4'



PLANS PREPARED BY:
PIKE TELECOM
21 Oxford Rd
Mansfield, MA 02048
www.piketelecom.org
1-508-337-7600

LOCATION:
29 COMM AVE
BOSTON, MA 02116
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	MS
PLAN ORIG. DATE:	08/11/20

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	03/03/21
	UPDATE EQUIPMENT	MB	10/28/21

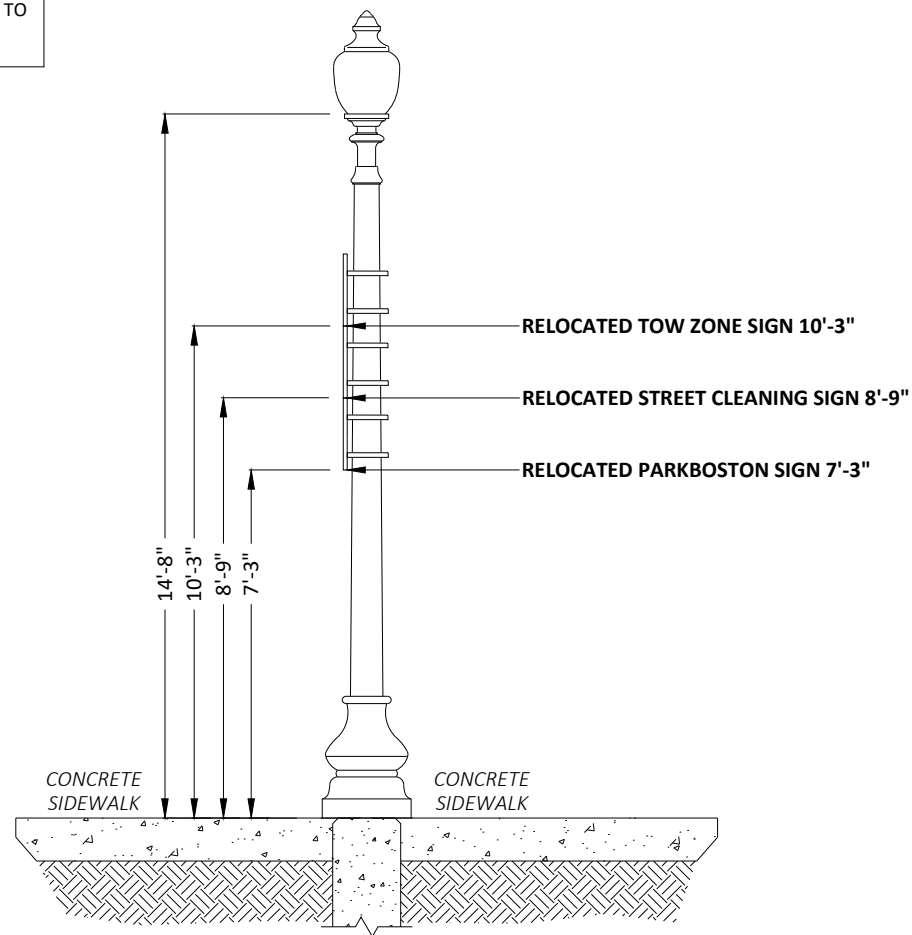
SITE INFO:
LAT: 42.353351
LONG: -71.074002
EXTENET NODE ID:
BB_13_new
SITE ADDRESS:
29 COMM AVE
SHEET TITLE:
POLE ELEVATIONS

SHEET NUMBER:

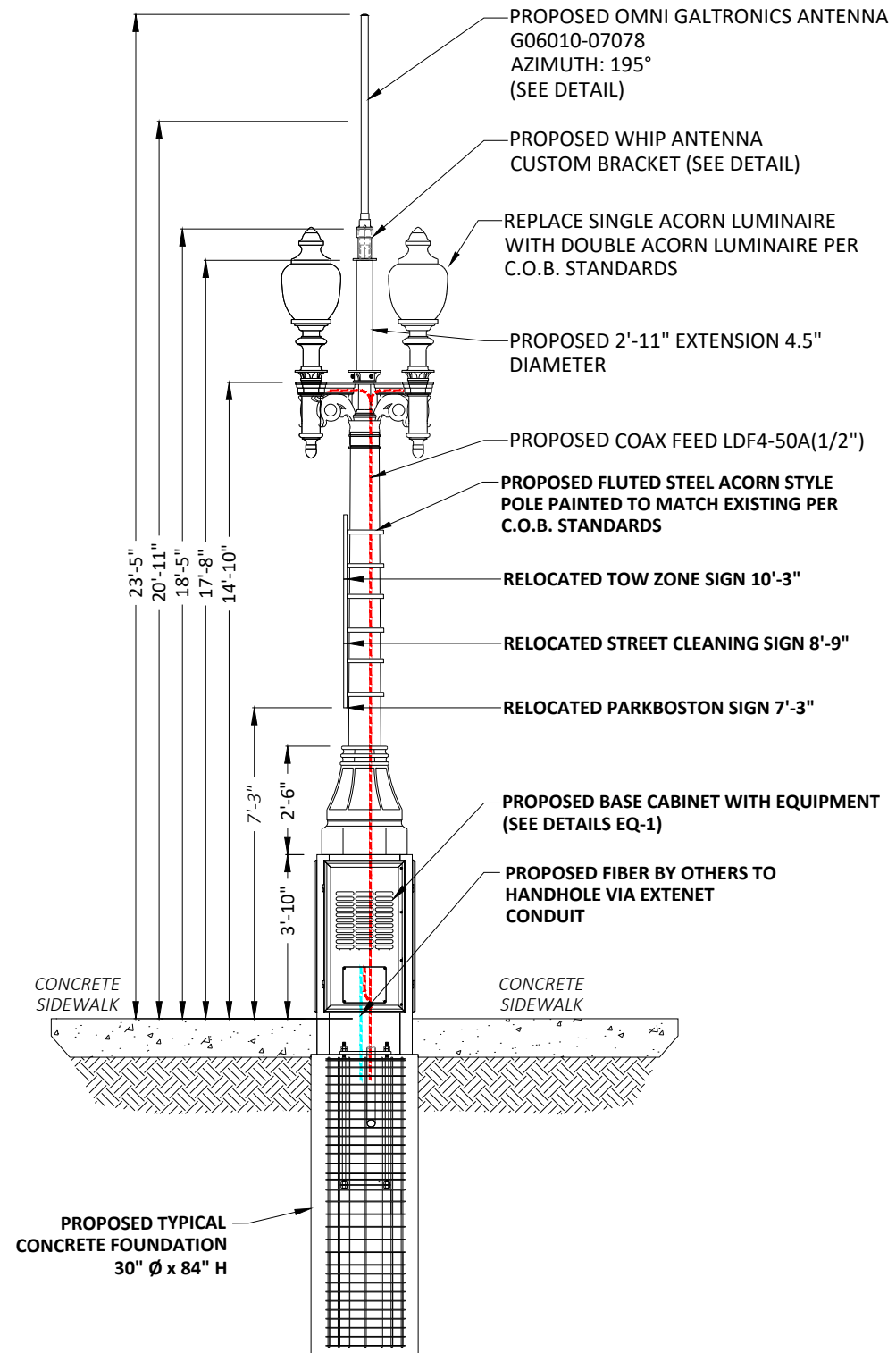
EV-1

DRAWING NOTES:

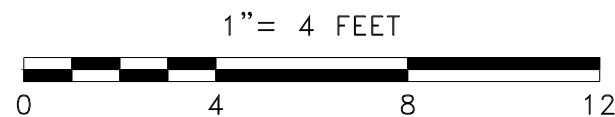
- NOTE 1:
PROPOSED FIBER TO BE INSTALLED BY OTHERS.
- NOTE 2:
PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.
- NOTE 3:
FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.
- NOTE 4:
REPLACE EXISTING CONCRETE STREETLIGHT POLE WITH HEXAGONAL STEEL POLE. ADD ANTENNA / RADIO EQUIPMENT.
- NOTE 5:
ABSOLUTELY NO FIELD CUTTING OR CORING OF METALLIC OR COMPOSITE POLES TO BE ALLOWED.
- NOTE 6:
NO EXISTING OR PROPOSED AERIAL SPANNING ATTACHMENTS ARE ALLOWED TO BE ATTACHED TO THIS POLE.



② EXISTING PROFILE - REAR VIEW
LOOKING SOUTHWEST TOWARDS BERKELEY ST



② EXISTING PROFILE - REAR VIEW
LOOKING SOUTHWEST TOWARDS BERKELEY ST



POLE ELEVATIONS

SCALE: 1" = 4'

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

29 COMM AVE
BOSTON, MA 02116
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN

SCALE:	AS NOTED
DRAWN BY:	MS
PLAN ORIG. DATE:	08/11/20

REVISIONS:

REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	03/03/21
	UPDATE EQUIPMENT	MB	10/28/21

SITE INFO:

LAT: 42.353351
LONG: -71.074002
EXTENET NODE ID:
BB_13_new

SITE ADDRESS:

29 COMM AVE

SHEET TITLE:

POLE ELEVATIONS

SHEET NUMBER:

EV-2

60" x 2" 10-Port Outdoor Directional Whip Antenna [1695-2690, 3400-3800 and 5150-5925 MHz]

GO6010-07078

Description:

- Directional Whip Antenna for Outdoor DAS and Small Cells
- 4x ports for AWS/PCS Band 1695-2690 MHz
- 4x ports for CBRS Band 3400-3800 MHz
- 2x ports for LAA Band 5150-5925 MHz
- Ideal for Dense Urban Densification
- All ports are directional to ensure dominance over macro sites

Electrical Specifications

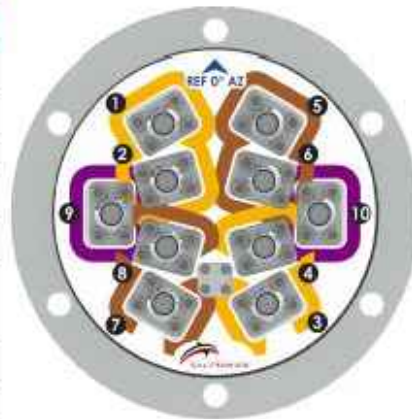
Frequency Band [MHz]	1695-2690	3400-3800	5150-5925
Input Connector Type	4x NEX10 (F)	4x NEX10 (F)	2x NEX10 (F)
Isolation (min.)	25 dB	20 dB	
VSWR (max.) / RL (min.)	1.5:1 / 14.0 dB		
Impedance	50 Ω		
Polarization	Vertical	Dual Slant 45° (± 45°)	
Horizontal Beamwidth	151°	135°	119°
Elevation Beamwidth	31.0°	36.0°	22.6°
Gain (max.)	9.3 dBi	7.0 dBi	5.5 dBi
Gain (avg.)	7.5 dBi	6.0 dBi	4.6 dBi
Downtilt	10° fixed		
Max Power / Port	50 Watts		1 Watt
PIM @ 2x43 dBm	<-153 dBc	N/A	N/A

Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	6.7 lbs (3.04 kg)
Antenna Diameter	2" (52 mm)
Antenna Height	60" (1524 mm)
Radome Material	Fiberglass / PC-ASA
Radome Color	Brown (Fed Std 595), Gray/Silver (Fed Std 595), Black (Fed Std 595), Green (Fed Std 595), Green (RAL 6012), Dark Green (Fed Std 595), 3M™ Conceal Film
Ingress Protection	Outdoor (IP65)
Wind Survival Rating	150 mph (241 km/h)
Connectors	10x NEX10 (F)



1695-2690, 3400-3800 and 5150-5925 MHz
10-Port Outdoor Directional Whip Antenna



Bottom view of the antenna

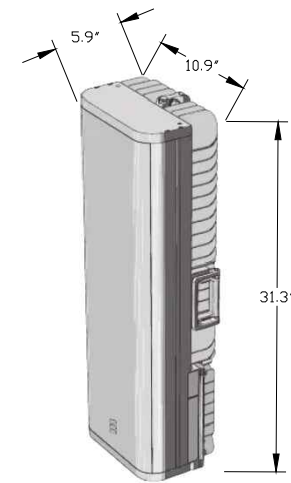
RFD#07078; Revision: CT; Release Date: June 12, 2019;

GALTRONICS GO6010-07078 ANTENNA

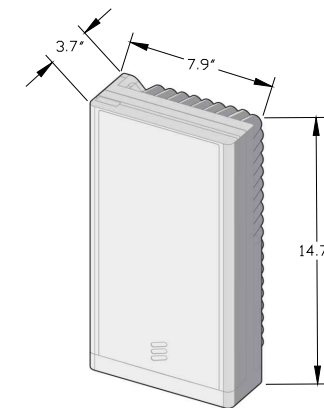
SCALE: NOT TO SCALE

1

ERICSSON
RADIO 4455



ERICSSON
RADIO 4435



ERICSSON 4455 & 4435 RADIOS

SCALE: NOT TO SCALE

2

PLANS PREPARED FOR:



PLANS PREPARED BY:



LOCATION:

29 COMM AVE
BOSTON, MA 02116
SUFFOLK COUNTY

PE STAMP AREA:

DRAWING NOTES:

ORIGINAL PLAN SCALE:	AS NOTED
DRAWN BY:	MS
PLAN ORIG. DATE:	08/11/20

REVISIONS:			
REV	DESCRIPTION	BY	DATE
0	UPDATE ANT. CONFIG.	ECF	03/03/21
	UPDATE EQUIPMENT	MB	10/28/21

SITE INFO:

LAT: 42.353351
LONG: -71.074002

EXTENET NODE ID:
BB_13_new

SITE ADDRESS:
29 COMM AVE

SHEET TITLE:
ANTENNA DETAILS

SHEET NUMBER:

AT-1