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 POLES.

EXTENET SYSTEMS 134 SUTHERLAND RD BOSTON, MA 02135 (NORTHEAST INTERSECTION OF SUTHERLAND RD & LANARK RD)

CRAN_RCTB_00014_07 NE-MA-ALBRD3M1-14007



LOCATION MAP LATITUDE: 42.340668° LONGITUDE: -71.147603° ELEVATION: 134.48' AGL SCALE: 1" = 50'

LOCUS MAP PROJECT LOCATION - NODE RCTB-14_07 SCALE: 1" = 500'

PROJECT INFORMATION

1 COVER PAGE 2 SIDE PROFILE 3 REAR PROFILE 4 DETAILS - ANTENNA AND RADIOS 5 DETAILS - RADIO SHROUD 6 EXISTING PHOTO / WIRING DIAGRAM POLE OWNER: EVERSOURCE APPLICANT: RICK ANGELINI 3030 WARRENVILLE RD SUITE 340 LISLE, IL 60532 NOC: (866) 892-5327 LOCATION: BOSTON, MA SUFFOLK COUNTY NOTES:	INI	JEX:		
2 SIDE PROFILE 3 REAR PROFILE 4 DETAILS - ANTENNA AND RADIOS 5 DETAILS - RADIO SHROUD 6 EXISTING PHOTO / WIRING DIAGRAM POLE OWNER: EVERSOURCE APPLICANT: RICK ANGELINI 3030 WARRENVILLE RD SUITE 340 LISLE, IL 60532 NOC: (866) 892-5327 LOCATION: BOSTON, MA SUFFOLK COUNTY NOTES:	1	COVER PAGE		
3 REAR PROFILE 4 DETAILS - ANTENNA AND RADIOS 5 DETAILS - RADIO SHROUD 6 EXISTING PHOTO / WIRING DIAGRAM POLE OWNER: EVERSOURCE APPLICANT: RICK ANGELINI 3030 WARRENVILLE RD SUITE 340 LISLE, IL 60532 NOC: (866) 892-5327 LOCATION: BOSTON, MA SUFFOLK COUNTY NOTES:	2	SIDE PROFILE		
4 DETAILS - ANTENNA AND RADIOS 5 DETAILS - RADIO SHROUD 6 EXISTING PHOTO / WIRING DIAGRAM POLE OWNER: EVERSOURCE APPLICANT: RICK ANGELINI 3030 WARRENVILLE RD SUITE 340 LISLE, IL 60532 NOC: (866) 892-5327 LOCATION: BOSTON, MA SUFFOLK COUNTY NOTES: PREPARED FOR:	3	REAR PROFILE		
5 DETAILS - RADIO SHROUD 6 EXISTING PHOTO / WIRING DIAGRAM POLE OWNER: EVERSOURCE APPLICANT: RICK ANGELINI 3030 WARRENVILLE RD SUITE 340 LISLE, IL 60532 NOC: (866) 892-5327 LOCATION: BOSTON, MA SUFFOLK COUNTY NOTES: PREPARED FOR:	4	DETAILS - ANTENN	A AND RAD	IOS
6 EXISTING PHOTO / WIRING DIAGRAM POLE OWNER: EVERSOURCE APPLICANT: RICK ANGELINI 3030 WARRENVILLE RD SUITE 340 LISEL IL 60532 NOC: (866) 892-5327 LOCATION: BOSTON, MA SUFFOLK COUNTY NOTES:	5	DETAILS - RADIO SH	IROUD	
POLE OWNER: EVERSOURCE APPLICANT: RICK ANGELINI 3030 WARRENVILLE RD SUITE 340 LISLE, IL 60532 NOC: (866) 892-5327 LOCATION: BOSTON, MA SUFFOLK COUNTY NOTES: PREPARED FOR: PREPARED FOR: YOUR NETWORK	6	EXISTING PHOTO /	WIRING DIA	GRAM
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DUCATION: BOSTON, MA SUFFOLK COUNTY NOTES: PREPARED FOR:		LISLE, IL 6053 NOC: (866) 8	2 92-5327	
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FOR PERMITTING ONLY



PROPOSED ANTENNA ASSEMBLY WITH -PROPOSED ANTENNA MOUNTING BRACKET

PROPOSED ERICSSON CURVED SHROUD WITH

-PROPOSED 1-GANG WEATHERPROOF

-EXISTING NO STOPPING ANY TIME SIGN

LOCATION:		
BOSTON, MA		
SUFFULK COUN	ΙΥ	
NOTES:		
PREPARED FOR:		
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	RYWHER	RE.
PREPARED BY:		
	SE1	
21 OXFORD RD MANSFIELD, MA 020	48	socutions.
www.ucseng.com 1	-508-33	7-7600
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DRAFTER: MMS/SML		
SCALE: SEE SCALE BAR		
ISSUE DATE: 02/16/18	2)

INDEX NAME: RCTB-14 07

SHEET #: 2 OF 6



PROPOSED ANTENNA ASSEMBLY WITH 4G/LTE COMPATIBLE GALTRONICS

PROPOSED ANTENNA MOUNTING BRACKET

-PROPOSED U-GUARD FOR (6)-1/2" COAX CABLE

-PROPOSED FIBER FEED BY OTHERS

-PROPOSED U-GUARD FOR FIBER

PROPOSED ERICSSON CURVED SHROUD WITH (2) ERICSSON 2203 RADIOS AND

-PROPOSED 1-GANG WEATHERPROOF BOX WITH (5) ½" KNOCK OUTS

-EXISTING NO STOPPING ANY TIME SIGN

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•	LOCATION: BOSTON, MA
	SUFFOLK COUNTY
	NOTES:
7.9″	
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	PREPARED FOR:
	SYSTEMS
	PREPARED BY:
	UC SYNERGETIC
	21 OXFORD RD MANSFIELD, MA 02048
	www.ucseng.com 1-508-337-7600
	NODE
	REVISIONS
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	2 UPDATE PER EXTENET 03/16/18
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	SCALE: NTS
	ISSUE DATE: 02/16/18
	SHEET #: 4 OF 6

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		BOSTON, MA
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OLE EVERY 1'-0" PLY SPACE FOR		PREPARED FOR: VOUR NETWORK. EVERYWHERE. PREPARED BY:
E FINAL BOND JMPER		SYNERGETIC Innovative Thinking. Engineered Solutions. 21 OXFORD RD MANSFIELD, MA 02048 www.ucseng.com 1-508-337-7600
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COPPER CLAD L GROUND ROD 3' FROM POLE		2 UPDATE PER EXTENET 03/16/18
]	SCALE: NTS ISSUE DATE: 02/16/18 INDEX NAME: RCTB-14_07 SHEET #: 6 OF 6

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 POLES.

EXTENET SYSTEMS 1668 COMMONWEALTH AVE BOSTON, MA 02135 (MEDIAN OF COMMONWEALTH AVE)

CRAN_RCTB_00014_10 NE-MA-ALBRD3M1-14010

LATITUDE: 42.341761° LONGITUDE: -71.145064° ELEVATION: 160.72' AGL SCALE: 1" = 50' PROJECT LOCATION - NODE RCTB-14_10 SCALE: 1" = 500'

FOR PERMITTING ONLY

PROJECT INFORMATION

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3	REAR PROFILE
4	DETAILS - ANTENNA AND RADIOS
5	DETAILS - RADIO SHROUD
6	DETAILS - CONCRETE FOUNDATION
7	EXISTING PHOTO / WIRING DIAGRAM

POLE OWNER: CITY OF BOSTON

CONTACT: RICK ANGELINI 3030 WARRENVILLE RD SUITE 340 LISLE, IL 60532 NOC: (866) 892-5327

LOCATION:

BOSTON, MA

NOTES:

PREPARED FOR:

PREPARED BY:

UC SYNERGET C Innovative Thinking. Engineered Solutions. 21 OXFORD RD MANSFIELD, MA 02048 www.ucseng.com 1-508-337-7600

NODE

RCTB-14_10

COVER PAGE

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ISSUE DATE: 02/14/18			
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SHEE	T#: 1 OF 7		

SED ANTENNA ASSEMBLY WITH COMPATIBLE GALTRONICS D-06621 ANTENNA				
TAIL) SED CUSTOM MOUNTING BRACKET				
ED SEPARATE POWER TO UE TO STREET LIGHT				
ED COAX FEED LDF4-50A(1/2")				
ED HP COMMUNICATIONS SHROUD WITH	LOCATION: B	OSTON, MA		
CSSON 2203 RADIOS AND SSON 2205 RADIO TAILS)	SUF NOTES:	FOLK COUN	ТҮ	
ED 1-GANG WEATHERPROOF BOX) ½" KNOCK OUTS ATTACHED TO ½")ED HOLE IN POLE				
IG ONE WAY SIGN 9'-6"				
G NO LEFT TURN SIGN 7'-1"				
SED 21'-6" VISCO STEEL ALIKE" POLE PAINTED TO EXISTING PER C.O.B. ARDS				
SED POWER FEED	PREPARED FOR:			
ED FIBER FEED BY OTHERS	exte	enet :::	JR NETWO RYWHERE	RK. E.
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NODE RCTB-14_10

DRAWINGS NOTES:

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NOTE 2: FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE

ED ANTENNA ASSEMBLY WITH COMPATIBLE GALTRONICS -06621 ANTENNA TAIL) D CUSTOM MOUNTING BRACKET JUSTABLE MOUNTING PLATE	
D SEPARATE POWER TO TE TO STREET LIGHT D COAX FEED LDF4-50A(1/2")	
ISON 2203 RADIOS AND SON 2205 RADIO AILS)	LOCATION: BOSTON, MA SUFFOLK COUNTY
D 1-GANG WEATHERPROOF BOX WITH OCK OUTS ATTACHED TO ½" D HOLE IN POLE	NOTES:
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GENERAL NO

HORIZONTAL TIE

- ANCHOR BOLT TEMPLATE

SCALE:

NONE

ANCHOR BOLTS

-HORIZONTAL

TIES

SCALE:

NONE

- ANCHOR BOLT

- HEAVY HEX NUT

- LOCK WASHER

- FLAT WASHER

TOP OF

FOOTING

FLAT WASHER

- HEAVY HEX NUT

SCALE:

NONE

3

- BASE PLATE

2

1

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SPECIAL INSP

SPECIAL INSPECTION: THE FOLLOWING ELEMENTS OF INSPECTION PER 2009/2012 IBC,

- ITEM DESCRIPTION
- PIER EXCAVATION LATERAL BEARING CAP
- PIER CONSTRUCTION REINFORCING STEEL BAR SIZES AND INSTALL
- 3 ANCHOR BOLTS BOLT SIZE AND LENGTH INSTALLATION
- CONCRETE TEST SPECIMENS PLACEMENT OF CONCR

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SE AND PROVID A615 GR. 60 (60 TO HOLD REIN FERRED, SUBS	DEFORMED REINFOR),000 PSI MIN. YIELD). CO FORCING BARS TOGETI STITUTE USING A706 GR	CING BARS DNTRACTOR HER, IF 60				
SE AND PROVID TH OF 4,000 PSI EGATE, MIX DES RD, 5" MINIMUM	E CONCRETE WITH A M I. CONCRETE SHALL US SIGN: 6 1/2 SACKS OF C I AND 7" MAXIMUM CON	INIMUM E 1" EMENT CRETE				
DNSOLIDATED (F FOUNDATION ICHING REBAR ANTICIPATE TH STABILIZE THE THE PLACEME SEGREGATION REE FALL MOF USING TREME ACED TO THE I BE FOACED WIT VITS ARE NOT AI SPONSIBLE FC ORCING BARS HERWISE NOTE R REBAR. TOP (ION DESIGN PE	USING VIBRATORY MET I, VIBRATING LOWER DE CAGE WITH VIBRATOR. E USE OF A FULL-LENG E USE OF A FULL-LENG E EXCAVATION, THE CA: ENT OF CONCRETE IN TI SE PLACED USING COMV OF CONCRETE AND AG RE THAN 5 FT. CONCRE' METHODS. DEPTH INDICATED, AND HE REBAR CAGE, ANCH THIN 24 HOURS OF COM LLOWED. OR VERFYING ADEQUAT TO MINIMIZE CORROSIS ED, CONTRACTOR SHALL OF FOOTING SHALL BE ER 2009/2012 IBC, TABLE	HODS PTHS MAY BE TH SING SHALL IE VENTIONAL GREGATE. TE MAY BE THE ABOVE OR BOLTS, PLETING THE TE CONCRETE N LUSE 3" TROWELLED 1806.2,				
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F CONSTRUCT	ION SHALL REQUIRE SP	ECIAL]┣-	WANSFIELD, MA	1-508-33	7-7600
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5GHz 316 W LTE 5GHz .316 W LTE 2205	LOCATION: BOSTON, MA SUFFOLK COUNTY
	NOTES:
GROUND WIRE	
LY SPACE FOR	PREPARED FOR: EXTERNET SYSTEMS PREPARED POR: POUR NETWORK. EVERYWHERE.
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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 POLES. EXTENET SYSTEMS 1875 COMMONWEALTH AVE BOSTON, MA 02135 (NORTHEAST INTERSECTION OF COMMONWEALTH AVE AND CHESTNUT HILL AVE)

CRAN_RCTB_00014_14 NE-MA-ALBRD3M1-14014

LATITUDE: 42.338328° LONGITUDE: -71.153282° ELEVATION: 141.04' AGL SCALE: 1" = 50'

PROJECT LOCATION - NODE RCTB-14_14 SCALE: 1" = 500'

PROJECT INFORMATION

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6	DETAILS - CONCRETE FOUNDATION
7	EXISTING PHOTO / WIRING DIAGRAM

POLE OWNER: CITY OF BOSTON

CONTACT: RICK ANGELINI 3030 WARRENVILLE RD SUITE 340 LISLE, IL 60532 NOC: (866) 892-5327

LOCATION:

BOSTON, MA

NOTES:

PREPARED FOR:

PREPARED BY:

NODE

RCTB-14_14

COVER PAGE

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FOR PERMITTING ONLY

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SED ANTENNA ASSEMBLY WITH COMPATIBLE GALTRONICS O-06621 ANTENNA TAIL) SED CUSTOM MOUNTING BRACKET DJUSTABLE MOUNTING PLATE	
SED COAX FEED LDF4-50A(1/2")	
SED SEPARATE POWER TO IUE TO STREET LIGHT	
SED HP COMMUNICATIONS SHROUD WITH CSSON 2203 RADIOS AND SSON 2205 RADIO TAILS)	LOCATION: BOSTON, MA SUFFOLK COUNTY NOTES:
SED 1-GANG WEATHERPROOF BOX WITH NOCK OUTS ATTACHED TO ½" DED HOLE IN POLE G TOW ZONE AND ENCY ARTERY SIGN 8'-10"	
SED 25'-4" VISCO STEEL "LOOK ALIKE" AINTED TO MATCH EXISTING PER TANDARDS SED POWER FEED	PREPARED FOR: EXTENSE SYSTEMS
SED FIBER FEED BY OTHERS	
IMONWEALTH AVE	21 OXFORD RD MANSFIELD, MA 02048 www.ucseng.com 1-508-337-7600
PROPOSED FIBER TO VERIZON MANHOLE VIA EXTENET CONDUIT – PROPOSED POWER FEED TO STREETLIGHT TO BE DISCONNECT/RECONNECTED BY EVERSOURCE AND REUSED	NODE RCTB-14_14 SIDE PROFILE REVISIONS REV DESCRIPTION DATE 1 UPDATED EQUIPMENT & INFO 03/13/1 2 UPDATE PER EXTENET 03/19/1
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ED 1-GANG WEATHERPROOF BOX) ½" KNOCK OUTS ATTACHED TO ½" ED HOLE IN POLE	
i TOW ZONE AND NCY ARTERY SIGN 8'-10"	
STREET CLEANING TIMES SIGN 7'-3"	
ED 26'-4" VISCO STEEL "LOOK OLE PAINTED TO MATCH 5 PER C.O.B. STANDARDS ED POWER FEED	PREPARED FOR: EXTENSION NETWORK. SYSTEMS
ED FIBER FEED BY OTHERS	PREPARED BY: SYNERGETIC Innovative Thinking. Engineered Solutions. 21 OXFORD RD MANSFIELD, MA 02048 WHAT UPCORE GROUPS MANNER LEDER 227, 2500
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GENERAL NO

HORIZONTAL TIE TYP

- ANCHOR BOLT TEMPLATE

SCALE:

NONE

ANCHOR BOLTS

-HORIZONTAL

TIES

SCALE:

NONE

- ANCHOR BOLT

- HEAVY HEX NUT

- LOCK WASHER

- FLAT WASHER

TOP OF

FOOTING

FLAT WASHER

- HEAVY HEX NUT

SCALE:

NONE

- BASE PLATE

2

1 9

FACTORED B

SPECIAL INSP

SPECIAL INSPECTION: THE FOLLOWING ELEMENTS OF INSPECTION PER 2009/2012 IBC

- ITEM DESCRIPTION
- PIER EXCAVATION LATERAL BEARING CAP
- PIER CONSTRUCTION REINFORCING STEEL BAR SIZES AND INSTALL
 - ANCHOR BOLTS BOLT SIZE AND LENGTH INSTALLATION

3

GE	ENERAL NOTES	;				
1. 2.	CONTRACTOR IS RESPONSIBLE F FACILITIES PRIOR TO EXCAVATIN CONTRACTOR SHALL INSPECT AI FXCAVATION	² OR CHECKING AREA FOR IG ANY MATERIALS. ND REMOVE ALL DEBRIS F	UNDERGROUND ROM BOTTOM OF			
3.	CONTRACTOR SHALL VERIFY AN IMMEDIATELY AFTER PLACING CO	CHOR BOLT LAYOUT PRIO	R TO, AND LAYOUT IS			
4.	CRITICAL FOR MONOPOLE INSTA CONTRACTOR SHALL USE AND P CONFORMING TO ASTM A615 GR. SHALL USE STEEL WIRE TO HOLD WELDING REBAR IS PREFERRED.	LLATION. ROVIDE DEFORMED REINF . 60 (60,000 PSI MIN. YIELD) REINFORCING BARS TOC , SUBSTITUTE USING A706	FORCING BARS). CONTRACTOR GETHER. IF 9 GR. 60			
5.	DEFORMED BARS. CONTRACTOR SHALL USE AND P COMPRESSIVE STRENGTH OF 4, MAXIMUM STONE AGGREGATE. M MINIMUM PER CUBIC YARD. 5" MI	ROVIDE CONCRETE WITH)00 PSI, CONCRETE SHALL /IX DESIGN: 6 1/2 SACKS C NIMUM AND 7" MAXIMUM (A MINIMUM USE 1" OF CEMENT CONCRETE			
6.	CONCRETE SHALL BE CONSOLID THROUGHOUT DEPTH OF FOUND	ATED USING VIBRATORY N ATION, VIBRATING LOWER	METHODS R DEPTHS MAY BE			
7.	ACCOMPLISHED BY TOUCHING R CONTRACTOR SHOULD ANTICIPA TEMPORARY CASING TO STABILI BE WITHDRAWN DURING THE PL/ EXCAVATED HOLE. CONCRETE S METHODS TO MINIMIZE SEGREG, CONCRETE SHALL NOT FREE FAI	EBAR CAGE WITH VIBRAT. TE THE USE OF A FULL-LE ZE THE EXCAVATION. THE ACEMENT OF CONCRETE I HALL BE PLACED USING C ATION OF CONCRETE AND LL MORE THAN 5 FT. CONC	OR. ENGTH CASING SHALL N THE ONVENTIONAL AGGREGATE. XRETE MAY BE			
8.	PLACED BELOW WATER USING TO CONCRETE SHALL BE PLACED TO GRADE PORTION SHALL BE FORM	KEMIE METHODS.) THE DEPTH INDICATED, A MED. THE REBAR CAGE, AI	AND THE ABOVE NCHOR BOLTS.			
0	AND CONCRETE SHALL BE PLACE EXCAVATION. COLD JOINTS ARE	ED WITHIN 24 HOURS OF C NOT ALLOWED.				
ษ.	COVERAGE OVER REINFORCING POTENTIAL UNLESS OTHERWISE	BARS TO MINIMIZE CORRE	OSION HALL USE 3"			
10.	CONCRETE COVER OVER REBAR LEVEL AND SMOOTH. DRILLED PIER FOUNDATION DESI	. TOP OF FOOTING SHALL	BE TROWELLED BLE 1806.2			
11.	CLASS 4 MATERIAL. TOTAL VOLUME OF CONCRETE R	EQUIRED FOR THIS FOUN	DATION IS			
	APPROXIMATELY 1.1 CO. YDS.			LOC	BOSTON,	MA
					SUFFOLK CO	UNTY
				NO	TES:	
			6	-11		
			5			
	MOMENT	= 30.9 ft-	kins	PRE	PARED FOR:	
	SHEAR	= 2.46 ki	ps		a) tarat	L
	VENTICAL	= 1.67 KI	ps		EXIENEI Systems	YOUR NETWORK. EVERYWHERE.
				PRE	PARED BY:	
					JC SYNE	RGETIC
SP	ECIAL INSPEC	TIONS			Innovative Thinkin 21 OXFORD MANSEIFLD, M.	ng. Engineered Solutions.) RD A 02048
SPEC	IAL INSPECTION: OULOWING FLEMENTS OF CONST	RUCTION SHALL REQUIRE	SPECIAL		www.ucseng.com	1-508-337-7600
NSPE	CTION PER 2009/2012 IBC, SECTIO	N 1704			NODE RCTB-14	11
IEM	DESCRIPTION	INSPECTION BY	MATERIAL	D	ETAILS - CONCRETE	_+- FOUNDATION
1	PIER EXCAVATION LATERAL BEARING CAPACITY	SOILS ENGINEER	300 PSF/FT LATERAL		REVISION	S
2	PIER CONSTRUCTION REINFORCING STEEL BAR SIZES AND INSTALLATION	SPECIAL INSPECTOR	ASTM A615 GR. 60	1 2	UPDATED EQUIPMENT & II UPDATE PER EXTENET	NFO 03/13/18 03/19/18
3	ANCHOR BOLTS BOLT SIZE AND LENGTHS	SPECIAL INSPECTOR	ASTM F1554 GR. 55	DRA	FTER: MMS/SML	
А	CONCRETE		fr = 1 000 PSI	SCA	LE: NTS	C
4	TEST SPECIMENS PLACEMENT OF CONCRETE	INSPECTOR	TYPE II CEMENT	ISSU	EX NAME: RCTB-14_14	б
				SHE	ET #: 6 OF 7	

3/19/18 N:\Engineering\Extenet Systems\NE-MA-BOSTD3M1-ATT\NPPs\AUTOCAD\NPP'S\NODE CRAN_RCTB_00014_14.dwg

		· · · · · · · · · · · · · · · · · · ·
5GHz 316 W LTE 5GHz 316 W LTE 2205		LOCATION: BOSTON, MA SUFFOLK COUNTY
		SUFFOLK COUNTY
	1	NOTES:
GROUND WIRE		RDERADED FOD:
LY SPACE FOR		PREPARED FOR. SYSTEMS PREPARED BY:
FINAL BOND		UC SYNERGETC Innovative Thinking. Engineered Solutions. 21 OXFORD RD MANSFIELD, MA 02048 www.ucseng.com 1-508-337-7600
		NODE RCTB-14_14 EXISTING PHOTO/WIRING DIAGRAM REVISIONS
ING GROUND ROD COPPER CLAD GROUND ROD 3' FROM POLE		REV DESCRIPTION DATE 1 UPDATED EQUIPMENT & INFO 03/13/18 2 UPDATE PER EXTENET 03/19/18 4 1 1 5 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 4 1 1 5 1 1 4 1 1 4 1 1 4 1 1 5 1 1 5 1 1
	-	ISSUE DATE: 02/15/18 7 INDEX NAME: RCTB-14_14 5HEET #: 7 OF 7

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 POLES.

EXTENET SYSTEMS 24 SIDLAW RD BOSTON, MA 02135 (WEST SIDE OF SIDLAW RD)

CRAN_RCTB_00014_20 NE-MA-ALBRD3M1-14020

LOCATION MAP LATITUDE: 42.340136° LONGITUDE: -71.152411° ELEVATION: 134.48' AGL SCALE: 1" = 50'

LOCUS MAP PROJECT LOCATION - NODE RCTB-14_20 SCALE: 1" = 500'

PROJECT INFORMATION

INDEX:

1	COVER PAGE
2	SIDE PROFILE
3	REAR PROFILE
4	DETAILS - ANTENNA AND RADIOS
5	DETAILS - RADIO SHROUD
6	DETAILS - CONCRETE FOUNDATION
7	EXISTING PHOTO / WIRING DIAGRAM

POLE OWNER: CITY OF BOSTON

RICK ANGELINI 3030 WARRENVILLE RD SUITE 340 LISLE, IL 60532 NOC: (866) 892-5327 CONTACT:

LOCATION:

BOSTON, MA SUFFOLK COUNTY

NOTES:

PREPARED FOR:

PREPARED BY:

www.ucseng.com

extenet

OUR NETWORK.

RCTB-14_20 COVER PAGE

NODE

UC SYNERGETIC

Innovative Thinking. Eng..... 21 OXFORD RD MANSFIELD, MA 02048 1-508-337-7600

REVISIONS			
REV	DESCRIPTION		DATE
1	UPDATED EQUIPMENT & IN	IFO	03/14/18
2	UPDATE PER EXTENET		03/19/18
DRAFTER: MMS			
SCALE: AS SHOWN			
ISSUE DATE: 02/20/18			
INDEX NAME: RCTB-14_20		-	•
SHEET #: 1 OF 7			

FOR PERMITTING ONLY

SED ANTENNA ASSEMBLY WITH 4G/LTE ATIBLE GALTRONICS 0-06621 ANTENNA ETAIL)	
SED CUSTOM MOUNTING ET WITH ADJUSTABLE TING PLATE	
SED SLOTTED OPENING ITENNA CABLES	
SED INSTALL LUMINAIRE ON STRAIGHT ARM PER C.O.B. ARDS	
SED COAX FEED LDF4-50A(1/2")	
SED SEPARATE POWER TO	
NUE TO STREET LIGHT	LOCATION:
	BOSTON, MA
	SUFFOLK COUNTY
SSON 2205 RADIOS AND	NOTES:
	NOTES.
SED POWER FEED	
SED FIBER FEED BY OTHERS	
SED 24' VISCO STEEL "LOOK ALIKE"	
AINTED TO MATCH EXISTING PER C.O.B.	PREPARED FOR:
ARDS	
	avtanat your NETWORK
	PREPARED BY:
	UC SYNERGETIC
	Innovative Thinking. Engineered Solutions. 21 OXFORD RD
SIDLAW RD	MANSFIELD, MA 02048
<u>ROAD</u>	www.dcselig.com
	NODE
PROPOSED FIBER TO	RCTB-14_20
	SIDE PROFILE
	REVISIONS
PROPOSED POWER FEED TO	REV DESCRIPTION DATE
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BY EVERSOURCE AND REUSED	
EVIEW	
AW RD	
	INDEX NAME: KC1B-14_20
	SHEET #: 2 OF 7

DSED ANTENNA ASSEMBLY WITH E COMPATIBLE GALTRONICS 0-06621 ANTENNA DETAIL)		
DSED CUSTOM MOUNTING ET WITH ADJUSTABLE TING PLATE		
SED SLOTTED OPENING NTENNA CABLES		
SED INSTALL LUMINAIRE W 6' STRAIGHT ARM PER STANDARDS		
SED COAX FEED LDF4-50A (1/2")		
SED SEPARATE POWER TO NUE TO STREET LIGHT		
SED HP COMMUNICATIONS SHROUD WITH CSSON 2203 RADIOS AND CSSON 2205 RADIO ETAILS)	LOCATION: BOSTON, MA SUFFOLK COUNTY	
	NUTES.	
DSED POWER FEED		
SED FIBER FEED BY OTHERS	PREPARED FOR:	
SED 24' VISCO STEEL "LOOK POLE PAINTED TO MATCH NG PER C.O.B. STANDARDS	EXTERNET YOUR NET	TWORK. IERE.
SED 4" X 10" HANDHOLE GROUNDING NUT OVER PLATE ONCRETE JOEWALK	PREPARED BY: UC SYNERGE Innovative Thinking. Engineer 21 OXFORD RD MANSFIELD, MA 02048	ed Solutions.
	NODE RCTB-14_20	-337-7600
STREETLIGHT TO BE DISCONNECT/RECONNECTED		
BY EVERSOURCE AND REUSED	REV DESCRIPTION	DATE
DING CONSISTENT UIREMENTS	2 UPDATE PER EXTENET	03/14/18
G DETAIL)		
	DRAFTER: MMS	
	SCALE: SEE SCALE BAR	,
	ISSUE DATE: 02/20/18	5
	SHEET #: 3 OF 7	

LOCA	BOSTON, MA		
	SUFFOLK COUNTY		
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1	EXTENET YOUR NETW SYSTEMS	ORK. RE.	
PREF	PARED BY:		
UC SYNERGETIC Innovative Thinking. Engineered Solutions. 21 OXFORD RD MANSFIELD, MA 02048			
	www.ucseng.com 1-508-3: NODE	37-7600	
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1 2	UPDATED EQUIPMENT & INFO UPDATE PER EXTENET	03/14/18 03/19/18	
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ISSU	E DATE: 02/20/18	-	
	X NAME RCTB-14 20	•	

SHEET #: 4 OF 7

HP COMMUNICATIONS SHROUD <u>6.48 CUBIC FEET</u> SCALE: NTS

3/13/18 N:\Engineering\Extenet Systems\NE-MA-BOSTD3M1-ATT\NPPs\AUTOCAD\NPP'S\NODE CRAN_RCTB_00014_20.dwg

GENERAL NO

HORIZONTAL TIE

- ANCHOR BOLT TEMPLATE

SCALE:

NONE

ANCHOR BOLTS

-HORIZONTAL

TIES

SCALE:

NONE

- ANCHOR BOLT

HEAVY HEX NUT

- LOCK WASHER

- FLAT WASHER

TOP OF

FOOTING

FLAT WASHER

- HEAVY HEX NUT

SCALE:

NONE

3

- BASE PLATE

2

1

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SPECIAL INSP

SPECIAL INSPECTION: THE FOLLOWING ELEMENTS OF INSPECTION PER 2009/2012 IBC,

- ITEM DESCRIPTION
- PIER EXCAVATION LATERAL BEARING CAP
- PIER CONSTRUCTION REINFORCING STEEL BAR SIZES AND INSTALL
- 3 ANCHOR BOLTS BOLT SIZE AND LENGTH INSTALLATION
- CONCRETE TEST SPECIMENS PLACEMENT OF CONCR

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TES			
NSIBLE FOR CHECKING AREA FOR UNDER CAVATING ANY MATERIALS. SPECT AND REMOVE ALL DEBRIS FROM BO	RGROUND		
ERIFY ANCHOR BOLT LAYOUT PRIOR TO, A ACING CONCRETE. ANCHOR BOLT LAYOUT LE INSTALLATION.	ND F IS		
SE AND PROVIDE DEFORMED REINFORCIN A615 GR. 60 (60,000 PSI MIN. YIELD). CONT TO HOLD REINFORCING BARS TOGETHER FERRED, SUBSTITUTE USING A706 GR. 60	G BARS RACTOR , IF		
SE AND PROVIDE CONCRETE WITH A MININ TH OF 4,000 PSI. CONCRETE SHALL USE 1" EGATE. MIX DESIGN: 6 1/2 SACKS OF CEME RD. 5" MINIMUM AND 7" MAXIMUM CONCRE	IUM ENT ETE		
DNSOLIDATED USING VIBRATORY METHOD F FOUNDATION, VIBRATING LOWER DEPTH ICHING REBAR CAGE WITH VIBRATOR. ANTICIPATE THE USE OF A FULL-LENGTH D STABILIZE THE EXCAVATION, THE CASING CRETE SHALL BE PLACED USING CONVEN SEGREGATION OF CONCRETE AND AGGRE REE FALL MORE THAN 5 FT. CONCRETE N USING TREMIE METHODS. LACED TO THE DEPTH INDICATED, AND TH BE FOACED. THE REBAR CAGE, ANCHOR NE PLACEMIE METHODS. LACED TO THE DEPTH INDICATED, AND TH BE FOACED. WITHIN 24 HOURS OF COMPLE VIST ARE NOT ALLOWED. CORCING BARS TO MINIMIZE CORROSION REREWISE NOTED, CONTRACTOR SHALL US R REBAR. TOP OF FOOTING SHALL BE TRC ION DESIGN PER 2009/2012 IBC, TABLE 180	DS IS MAY BE G SHALL TIONAL EGATE, IAY BE E ABOVE BOLTS, TING THE CONCRETE SE 3" WELLED 16.2,		
CRETE REQUIRED FOR THIS FOUNDATION	IS		
. 105.		LOCATION: BOSTON, N	AN
		SUFFOLK CO	UNTY
		NOTES:	
ASE REACTIONS			
NT = 30.9 ft-kips		PREPARED FOR:	
CAL = 2.46 kips CAL = 1.67 kips		extenet	YOUR NETWORK. EVERYWHERE.
		PREPARED BY:	
		UC SYNER	
PECTIONS		21 OXFORD MANSFIELD, MA www.ucseng.com	RD 02048 1-508-337-7600
F CONSTRUCTION SHALL REQUIRE SPECI C, SECTION 1704	AL	NODE	
INSPECTION BY MAT	ERIAL	RCTB-14_	_20
SOILS	300 PSF/FT	DETAILS - CONCRETE I	FOUNDATION
PACITY ENGINEER I	LATERAL	REVISIONS REV DESCRIPTIO	N DATE
SPECIAL INSPECTOR	ASTM A615 GR. 60	2 UPDATED EQUIPMENT & IN 2 UPDATE PER EXTENET	03/14/18
ATION			
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	Re = 4 000 DOI	SCALE: NTS	
SPECIAL I INSPECTOR	TYPE II CEMENT	ISSUE DATE: 02/20/18	6
		SHEET #: 6 OF 7	

5GHz .316 W LTE 5GHz .316 W LTE 2205	
	BOSTON, MA
	SUFFOLK COUNTY
	NOTES:
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	ISSUE DATE: 02/20/18 7 INDEX NAME: RCTB-14_20 SHEET #: 7 OF 7