PHOTOGRAPHIC RENDERINGS

BASED ON PROTERRA DESIGN LLC DOCUMENT: BOS_BBCOP_004_MA_LE_REVO DATED:01/17/2019





4 Bay Road, Bldg. A Ph: (413)320-4918 Suite 200 Hadley, MA 01035 BOS_BBCOP_004_MA - LOCATION ID: 515464

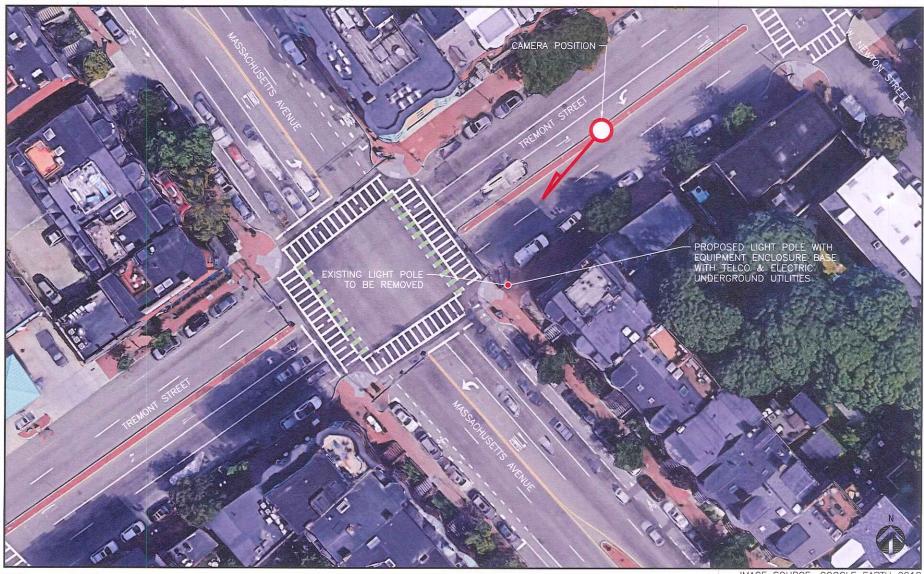
POLE LOCATION: 504 MASSACHUSETTS AVENUE, POLE ON TREMONT STREET SOUTH END NEIGHBORHOOD, BOSTON, MA 02118 CAMERA LOCATION: 85'± FROM TARGET WITH 50mm LENS

THIS DOCUMENT IS FOR VISUAL REFERENCE ONLY.
VISIBILITY MAY VARY DEPENDING ON CONDTIONS, SEASONS, AND VIEWER LOCATION.



PHOTO LOCATION MAP

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IMAGE SOURCE: GOOGLE EARTH 2018



EXISTING CONDITIONS

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PROPOSED CONDITIONS

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GENERAL NOTES

CODE SPECIFICATIONS

- ALL GENERAL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE CODES AND LOCAL ORDINANCES, RULES, AND SPECIFICATIONS FOR INSTALLING LUMINARES SUPPORTING COMMUNICATIONS EQUIPMENT WITHIN THE PUBLIC-RIGHT-OF-WAY,
- ALL ELECTRICAL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LOCAL UTILITY COMPANY SPECIFICATIONS, NESC & NEC 2017 (NFPA70) WITH MA AMENDMENTS (527 CMR 12.00).

- GROUNDING SHALL COMPLY WITH THE LOCAL UTILITY COMPANY CODES AND REQUIREMENTS, NEC ART, 250, AND NESC OR MOST RECENT AS ADOPTED.
- ALL GROUND CONNECTIONS TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD.
- ROUTE GROUNDING CONNECTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERMISE INDICATED, GROUNDING LEADS SHOULD NOT BE BENT AT RIGHT ANGLES ALMAYS MAKE 12" RADIUS BENDS, #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY.
- CONNECTIONS TO GROUNDING BAR SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS, APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.
- TEST COMPLETED GROUNDING SYSTEM AND RECORD RESISTANCE VALUES FOR PROJECT CLOSE-OUT DOCUMENTATION, GROUND RESISTANCE SHALL BE WITHIN VERIZON SPECIFICATIONS.
- CONDUIT SHALL BE PVC, HEAVY WALL SUNLIGHT RESISTANT (6-7 PERCENT TITANIUM DIOXIDE BY WEIGHT), SCHEDULE 40 OR SCHEDULE 80 UNDER PAVEMENT AS PER ANS/A/EMA TC 2-2003 UNLESS OTHERWISE NOTED OR AS DIRECTED BY UTILITY PURKYOR,
- DISCONNECT AND OVERCURRENT PROTECTION DESIGNED AND SIZED IN COMPLIANCE WITH NEC REQUIREMENTS FOR OUTDOOR INSTALLATIONS.
- 8. ALL MOUNTING BRACKETS AND HARDWARE SHALL BE SUFFICIENTLY PROTECTED FROM CORROSION BY GALVANIZING, PROTECTIVE COATING OR OTHERWISE. THESE SHALL BE SECURED TO THE POLE WITH HARDWARE OF ADEQUATE STRENGTH FOR THE LOAD.
- RADIO FREQUENCY (RF) RADIATION WARNING SIGNAGE AS REQUIRED BY OSHA SHALL BE PRESENT AND VISIBLE TO PERSONS WORKING NEAR ANTENNA. REQUESTER MUST SUBMIT DOCUMENTS THAT STATE THE RF OUTPUT OF THE ANTENNA FOR EACH LOCATION.

SITE NOTES

- NORTH SHOWN IS APPROXIMATE, NOT ALL EXISTING OR PROPOSED IMPROVEMENTS ARE SHOWN FOR CLARITY,
- 2. THIS DOCUMENT IS FOR ILLUSTRATION & LEASING PURPOSES ONLY.
- POWER AND TELCO UNDERGROUND UTILITY SOURCES AND FINAL ROUTING SHALL BE DETERMINED BY OTHERS, IT IS THE RESPONSIBILITY OF THE UTILITY PURVEYOR AND VERIZON WIRELESS TO OBTAIN ALL APPROVALS AND EASEMENTS AS REQUIRED.
- SITE PLAN AND RELATIVE LIGHT POLE ELEVATIONS BASED ON SITE VISIT BY PROTERRA DESIGN GROUP, LLC. GROUND LEVEL AMS, ELEVATIONS AND APPROXIMATE PROPOSED LIGHT POLE CODRONANTS: SHOWN PEREN ARE BASED ON LOCATIONS DERIVED FROM ABRIAL IMAGERY IN PUBLICLY AVAILABLE (ECORPAPHIC INFORMATION STEWLE)
- FINAL COORDINATES AND ELEVATIONS OF LIGHT POLE MAY VARY AS SHOWN HEREON DEPENDING ON FIELD PLACEMENT,
- THIS PLAN EXHIBIT IS SCHEMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE PROPOSED WHELESS COMMUNICATION FACILITY, LOCATION, SIZE AND TYPE SHALL BE CONFIRMED BY THE CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
- B. THE CONTRACTOR SHALL PROVIDE LICENSED TECHNICIANS FAMILIAR WITH SUCH INSTALLATIONS AND THE REQUIRED CODES.

STRUCTURAL NOTES

- LIGHT POLES ARE SHOWN SCHEMATIDALLY AND IT IS THE RESPONSIBILITY OF VERZON WRELESS TO DETERMINE THE STRUCTURAL ADEQUACY OF THE PROPOSED INSTALLATION.
- CONTRACTOR SHALL, CONFIRM ANTENNA AND EQUIPMENT ATTACHMENT METHOD CONFORMS WITH ALL MANUFACTURER SPECIFICATIONS AND VERIZON WIRELESS PRIOR TO CONSTRUCTION.

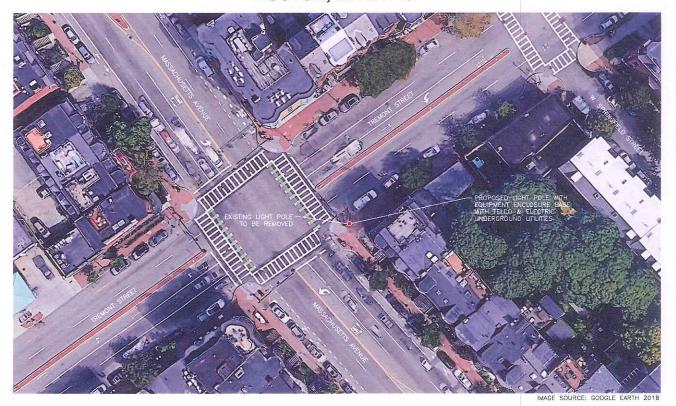
APPROVED, STREET LIGHTING DIVISION

BOS_BBCOP_004_MA VERIZON LOCATION ID:

515464

POLE LOCATION:

504 MASSACHUSETTS AVENUE, POLE ON TREMONT STREET SOUTH END NEIGHBORHOOD **BOSTON, MA 02118**



KEY PLAN

APPROXIMATE PROPOSED LATITUDE: N 42.339301*± N 42' 20' 21.48"±
POLE COORDINATES: LONGITUDE: W 71.080117*± W 71' 04' 48.42"±

(SEE SITE NOTES NO. 5)

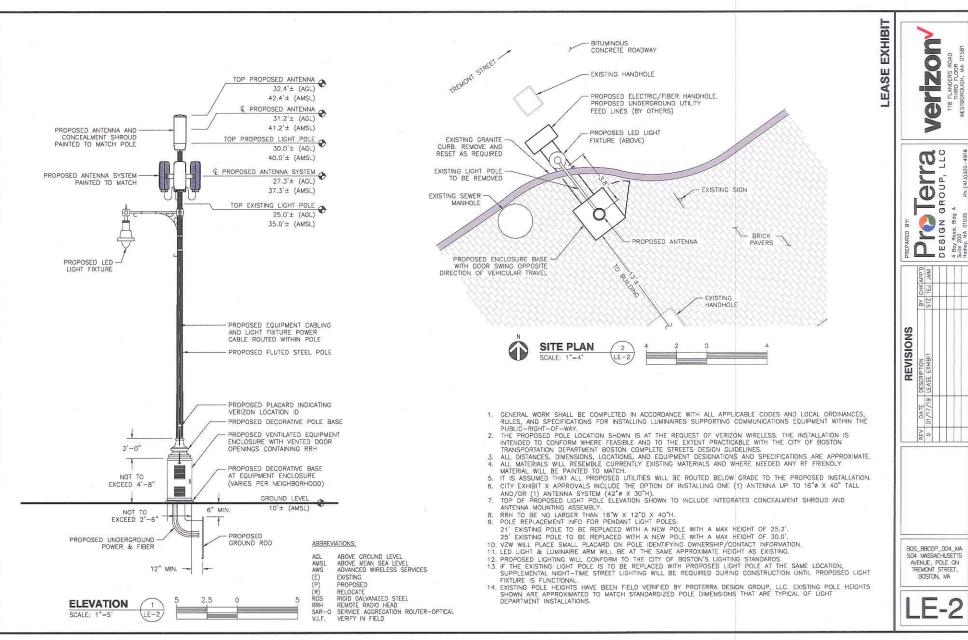
EXHIBIT LEASE



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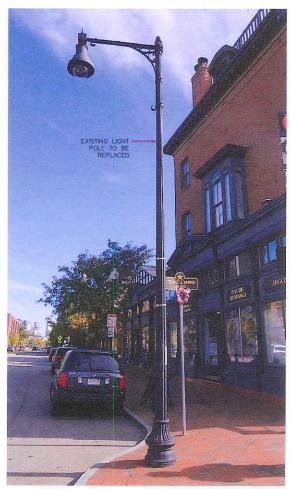


504 MASSACHUSETTS AVENUE, POLE ON TREMONT STREET, ROSTON MA



FLAND

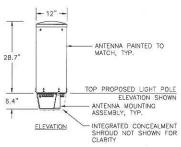
BOS_BBCOP_004_MA 504 WASSACHUSETTS AVENUE, POLE ON TREMONT STREET, BOSTON, MA



REF: PROTERRA 10/26/18

PHOTO DETAIL SCALE: N.T.S.





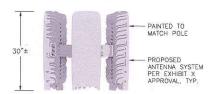
ANTENNA SPECIFICATIONS

MODEL: COMMSCOPE NNVVSSP-360S-FM ANTENNA DIMENSIONS: 12"Ø x 28.7"H

ANTENNA DETAIL

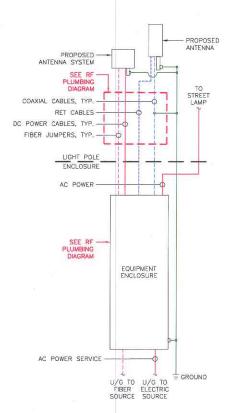
SCALE: N.T.S.





ANTENNA SYSTEM DETAIL SCALE: N.T.S.





NOTES:

1. IT IS THE RESPONSIBILITY OF VERIZON WIRELESS AND THE POLE MANUFACTURER TO DETERMINE THE PROPOSED EQUIPMENT AND CABLING, QUANTITIES, CONSTRAINTS, AND FITMENT WITHIN THE PROPOSED POLE.

2. CONTRACTOR TO FIELD TEST AND THE INTO EXISTING GROUNDING SYSTEM. IF GROUNDING SYSTEM DES ROUNDING SYSTEM DES TANDARDS OR IS NOT FOUND, CONTRACTOR SHALL NOTIFY POLE OWNER AND INSTALL GROUNDING SYSTEM PER LITHITY PROVIDER AND VERIZON WIRELESS EXOUNTEMENTS AND

NOTIFY POLE OWNER AND INSTALL GROUNDING SYSTEM PER UTILITY PROVIDER AND VERIZON WIRELESS REQUIREMENTS AND SPECIFICATIONS.

CONTRACTOR TO VERIFY FINAL ANTENNA DESIGN WITH VERIZON WIRELESS RE ENGINEER PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL HAVE WRITTEN WORK AUTHORIZATION FROM POLE OWNER PRIOR TO COMMENCEMENT OF WORK.

THE WIRING DIAGRAM SHOWN HEREIN IS SCHEMATIC. THE INSTALLATION SHALL BE VERIFIED AND INSPECTED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH APPLICABLE CODES.

GENERAL WIRING DIAGRAM

SCALE: N.T.S.



LEASE EXHIBIT

GROUP, LLC DESIGN ā



FOR SCHEMATIC ONLY

BOS_BBCOP_004_MA 504 WASSACHUSETTS AVENUE, POLE ON TREMONT STREET, BOSTON, MA