

the matter in charge, whether in his judgment said plans and specifications are sufficient and complete.

It shall be the duty of the inspector of wires, when notified by the commissioner of buildings or the director of the health department that a building has been condemned, abandoned or is otherwise unfit for human habitation, to immediately disconnect all electric service to that building. (Ord. of 5-9-91, § 3)

Sec. 2-192. Notice to inspector prior to commencement of work; inspector to judge whether installation is safe; shutting off current when not safe.

No person shall install for hire any electrical wiring or fixtures without first, or within five (5) days after commencing the work, giving notice to the inspector of wires. Said notice shall be given by mailing or delivering a permit application form to said inspector. Any person failing to give such notice shall be punished by a fine not exceeding twenty dollars (\$20.00).

Any person installing for hire electrical wiring or fixtures shall notify the inspector of wires in writing upon the completion of the work. The inspector of wires shall, within five (5) days of such notification, give written notice of his approval or disapproval of said work. A notice of disapproval shall contain specifications of the part of the work disapproved, together with a reference to the section or sections of the Massachusetts Electrical Code which have been violated.

The inspector of wires shall be deemed the sole judge of what constitutes proper insulation and the safe installation of electric wiring and fixtures; and, whenever in the opinion of the inspector of wires, any electrical wiring or fixtures are in an unsafe and dangerous condition, such inspector is hereby authorized to cause the current to be shut off forthwith. (Ord. of 5-9-91, § 3)

Sec. 2-193. Underground system—Permission to install conduits, manholes, etc.

(a) Each petition for permission to construct an underground line for transmission of electricity under a public way as a portion of a supply or communication system or transmission of intelligence shall be filed in duplicate in the offices of the city clerk and the inspector of wires, together with a plan or plans not less than eleven (11) inches in width, and to a scale of sixty (60) feet to the inch, showing the desired location, arrangement, number, size, depth, grade and character of proposed subways, ducts, conduits, manholes, handholes and buried cables. Such plan shall also show the locations of all sewer, water and gas pipes, catch basins and hydrants, and underground conduits and structures of communication and supply systems occupying the streets at the date of making said plan or plans, the ownership of each to be plainly lettered, and the whole to be done in a thorough and workmanlike manner.

No material departures from the description and location of said line, as approved by the city council, and as shown on such plan or plans, shall be made without the consent of the inspector of wires.

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If, on completion of the work, the actual location of said line or any material portion thereof, as found or installed, differs from that shown on the plans filed, amended plans accurately showing actual locations shall be filed in the offices of the city clerk and the inspector of wires.

The above applies to all underground work, except service connections and connections to poles of less than three hundred (300) feet in length taken from the manholes and handholes belonging to the utility company making such connections.

(b) All electrical conduits and ducts shall be so constructed as to permit the drawing in or removal of the conductors or cables without opening the streets, and so far as practicable, without disturbing any other part of the conduit or duct construction.

(c) The conduits and ducts shall provide suitable mechanical protection to the cables therein, and in addition, whenever it may be necessary, shall themselves be suitably protected from outside damage.

(d) The conduits, ducts, manholes and handholes shall be made, insofar as practicable, watertight and gastight. The conduits and ducts shall be so arranged that moisture will drain from them in manholes.

(e) No persons, except authorized agents of utility companies, shall lay cables, conduits or ducts in any sidewalk unless by special permission of the inspector of wires.

(f) Conduits or ducts built of wrought iron, vitrified clay, fibre and materials of a similar nature shall be surrounded by concrete not less than three (3) inches in thickness. Single conduits or ducts of standard wrought iron or steel pipe with screw threads or approved couplings, or approved cable for services, may be laid directly in the ground; but a covering of wood, concrete or some other suitable material, at least two (2) inches thick, shall be placed over them to protect them from mechanical injury by persons digging in the street or sidewalk. Treated wood duct, transits or other heavy-walled pipe may be laid without protective cover. When ducts cross under or over water or other pipes, care shall be taken that ducts and pipes do not come in contact with each other, and if close together, they shall be separated by a covering of wood, concrete or some other suitable material at least two (2) inches thick.

(g) Manholes and handholes shall also be of enduring construction, and be kept free from water and gas insofar as practicable.

(h) No manhole or handhole shall, insofar as practicable, include within its construction any gas, water or sewer pipes, or any other foreign construction. The ducts or tubes of supply systems shall not run through the manholes of communication systems, sewer or catch basins.

(i) The owner of a conduit shall provide means for effectively preventing the entrance or accumulation of gas therein whenever, in the judgment of the inspector of wires, public safety so requires.

(j) All manholes shall be maintained in accordance with rules and regulations governing maintenance of manholes in public highways from time to time prescribed by the state board of fire prevention regulations, department of public safety. All manholes shall be kept clean, and clear of oily waste and rubbish of all kinds.

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