be placed on the opposite side of the road or street to that on which any telegraph lines exist; and where the erection of the electric lines necessitates the alteration of any telegraph lines, and such alteration is approved by the Minister of Telegraphs, the cost of the alteration shall be borne by the Council.

In running the lines authorized by this license through or along any road where no telegraph line exists the Council shall keep to one side of the road, and in running wires to the opposite side of the road the Council shall arrange so as to interfere as little as possible with the route of any future telegraph lines.

Lines not in Use.

18. An aerial line shall not be permitted to remain erected after it has ceased to be used for the supply of energy unless the Council intends within a reasonable time again to take it into use.

Post and Telegraph Crossings.

19. Where electric lines are permitted to be supported on telegraph poles all details of the supports and of the insulation shall be approved by the Minister of Telegraphs, who may, on giving to the Council reasonable notice in that behalf, require the Council to remove such electric lines at any time from such telegraph poles, and without payment of any compensation to the Council.

At telegraph consessings the electric lines shall pass aron

At telegraph crossings the electric lines shall pass over or under the telegraph wires or cables as may be decided by the Minister of Telegraph, and shall be at least 2 ft. distant. Where it is impracticable to cross above the electric distant. Where it is impracticable to cross above the electric lines may be taken under or through, but when permitted to be taken through the crossing shall be made at a pole in a manner to be approved by the Minister of Telegraphs.

Where the electric lines intersect telegraph lines the latter shall be suitably insulated if deemed necessary, and when the

crossing is above and near a pole the spans on each side of the pole may be insulated. This insulation shall be effected at the expense of the Council in cases where the telegraph lines existed previously to the erection of the electric lines.

Where high-pressure electric lines intersect telegraph lines the former shall be insulated with not less than 600-megohms grade of vulcanized rubber, and the low-pressure wires with

weatherproofed insulation as prescribed in section 14.

Where deemed necessary efficient guard-wires, effectively earthed, or other approved protective devices, shall be erected in a manner to meet with the approval of the Minister of Telegraphs at all crossings or places where electric lines intersect telegraph lines, or at any place where such protection may be considered necessary.

The Council shall bear the expense of such guard-wires in all cases where an electric line intersects any telegraph line

all cases where an electric line intersects any telegraph line previously existing.

Where overhead electric lines at extra high pressure cross telegraph lines the electric lines shall be subject to special conditions as may be required by the Minister of Telegraphs

conditions as may be required by the Minister of Telegraphs in each of such crossing.

The cost of all necessary guard-wires and special provisions required to comply with this clause shall be borne by the Council when the telegraph lines are erected before the electric lines. In other case the Council, on receipt of notice from the local officer of the Telegraph Department that it is proposed to run a telegraph line along the route, shall forthwith make the necessary changes required to comply with this clause at any points at which electric lines already cross such routes.

Earth-wires.

20. Earth-wires, where led down poles, shall be protected by a casing for a distance of 8 ft. from the ground. A test shall be made every three months, and oftener if required, of all earths, to ensure that the earth-wire is intact and that the earth is effective.

Railway Crossings.

21. No work of any nature shall be erected or constructed in pursuance of this license upon, over, or under any part of the Government railways until the Council has obtained the consent of the Minister of Railways thereto, as required by section 4 of the Government Railways Amendment Act, 1910 (No. 2).

Service Connections.

22. Service connections from aerial lines shall be taken direct from insulators, and shall not be tapped off between insulators. They shall be led as directly as possible to insulators firmly attached to some portion of the consumer's premises which is not accessible to any person without the use of a ladder or other special appliance

Every portion of any aerial line which is outside a building, and is within 7 ft. from any part of the building, shall be

rubber-insulated.

Facilities for Service Connections.

23. Where electric lines are on one side of the road and electric-telegraph lines on the other, and service is required to be given from either to the other side of the road, the Council and the Minister of Telegraphs shall give to each other reasonable facilities as far as possible to effect supply.

Arc Lamps.

24. All arc lamps shall be so guarded as to prevent pieces of ignited carbon or broken glass falling from them, and shall not be used in situations where there is any danger of the

presence of explosive dust or gas.

Are lamps used in any street for public lighting shall be so fixed as not to be in any part at a less height than 10 ft. from

the ground.

Arc lamps used in any street for private lighting shall be so fixed as not to be in any part at a less height than 8 ft. from the ground, and shall be so screened as to prevent risk

of contact with persons.

Arc lamps must be insulated from earth and be fixed so Are lamps must be insulated from earth and be fixed so that they cannot swing into contact with any substance, metallic or otherwise, that might connect them to earth. They may be run in series, and at any available voltage up to 400 volts. Resistances for the regulation of are lamps, if exterior to the lamp, shall be mounted on incombustible bases, shall be so placed that they cannot by conduction or radiation set fire to any contiguous materials, and shall be of comple size to early carry the maximum current that will of ample size to safely carry the maximum current that will normally flow through them. Each arc-lamp circuit shall be provided with a fuse on each pole. Interior arc lamps shall also be provided with a switch on each circuit.

25. Every aerial line, including its supports, its conductors, and their insulating covering, and all structural parts and electric appliances and devices belonging to or connected with the line, shall be duly and efficiently maintained as regards both electrical and mechanical conditions.

High-pressure Transformers.

26. Where high-pressure transformers are attached to poles they shall be placed so as to be inaccessible except by the use they shall be placed so as to be maccessible except by the use of a ladder or other special appliance. Where high-pressure transformers are placed in sub-stations all high-tension conductors shall be thoroughly insulated or protected from accidental contact, and the sub-station shall be entirely inaccessible to unauthorized persons. Where high-pressure transformers are placed on consumers' premises the whole of the apparatus shall be enclosed or rendered inaccessible except to authorized persons. The cases of all transformers shall be earthed by means of a copper conductor at least 0-022 square inch in section. 0.022 square inch in section.

Where cables are led to and from transformer-enclosures they shall be protected on the poles by being run in iron pipes, which shall be effectively earthed.

Lightning-arresters.

27. Where any portion of any electric line or support for an electric line is exposed to such a position as to be liable to injury from lightning it shall be efficiently protected against such liability.

Underground Conductors.

28. Underground conductors shall be thoroughly insulated, 28. Underground conductors shall be thoroughly insulated, and shall be protected from mechanical damage by steel armouring, or by wooden boxing, or earthenware, stoneware, concrete, iron, or fibre conduits or pipes. They shall be laid wherever possible under the footpaths, and with a cover of at least 12 in. from the surface of the pavement. Where laid under any other part of the road such cover shall be increased

All conduits, pipes, casings, and street boxes used as receptacles for electric lines shall be constructed of durable material, and they shall be of ample strength to prevent damage from heavy traffic, and reasonable means shall be taken to prevent the accumulation of gas in such receptacles.

Where any underground line crosses or is in proximity to any metallic substance special precaution shall be taken against the possibility of any electrical charging of the metallic substance from the line or from any metallic conduit, pipe, or casing enclosing the line.

Earthing Conduits.

29. All metallic conduits, pipes, or casings containing an electric line shall be efficiently earthed, and shall be so jointed and connected across all street boxes and other openings as to make good electrical contact throughout their whole