

### 13. INSTALLATION OF 66KV UNDERGROUND CABLE NETWORK BY ORION

RR 10738

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#### PURPOSE

The purpose of this report is to inform the Committee of the 66kv cable network installation programme to be carried out by Orion in the next four years. This project, when completed, will improve the security of electricity supply particularly to the Central District Business Area from the Transpower grid exit to the city.

This report will also be presented to the Hagley/Ferrymead Community Board for their information.

#### THE PROJECT

The project will be carried out in three stages:

1. Laying 66kv cable from the Transpower grid exit point at Bromley in Ruru Road to Orion's Lancaster District substation at Lancaster Street.
2. Orion's Lancaster District substation to its Armagh District substation. (Design in progress)
3. Orion's Armagh District substation to its McFadden District substation. (Design in progress)

Stage 1 of the project will be carried out from November 1999 to March 2000 and this will involve laying approximately 5 km of 66kv cable from Ruru Road to Lancaster Street. The route of the cable is indicated on Plan A (attached). There will be traffic disruption and inconvenience to road users along the route of the cable. The road environment will obviously be compromised with long trenches being exposed. Due to technical reasons the trench will be exposed over 400 m lengths, enabling the cable to be laid in one length followed by specific requirements for backfilling to protect the network. City Streets Unit staff have been consulted on the planning of this project and have required Orion to:

- Inform the public through the media of this project.
- Notify affected occupiers of the properties along the route when the work commences, similar to the procedure used by the Unit with its projects.
- Address the issue of individual accesses to properties with occupiers. The objective is to minimise the inconvenience and at the same time provide a safe access.
- Establish and monitor the traffic and safe management of the road at the time of construction. Roadway must be available for movement of traffic at all times.
- Ensure that the restoration of trenches and the road environment are carried out to the Council's requirements.

#### Chairman's

**Recommendation:** That the information be received.