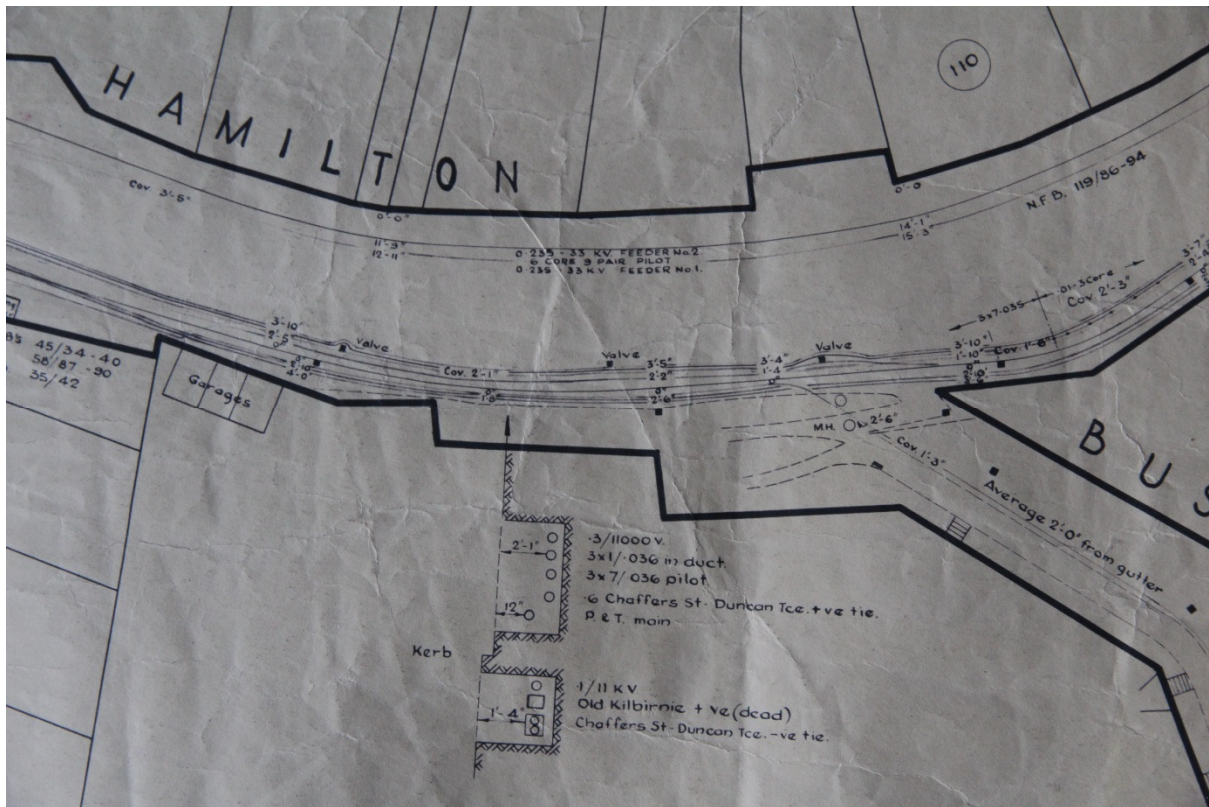


**Independent Technical Analysis of the Wellington Trolleybus Electrical Infrastructure  
Appendix 1**

**Examples of WCC Electricity Department cable installation details (Page 1 of 2)**



**Figure A1**

**Extract from old WCC Electricity Department “Underground Cable System” drawing Sheet K.34 dated 12/9/1958**

**Note:**

The above extract shows combined cableway detail on the east side of Hamilton Rd just south of Busaco Rd corner (between Haitaitai and Kilbirnie) as it was in 1958.

Illustrated are the following cables in 2 cable trenches from the kerb;

- 11kV cable
- 3x1/.036 in duct (probably low voltage control cables?)
- 3x7/.036 pilot
- 0.6 inch square Chaffers St – Duncan Tce +ve tie cable (an armoured PILC cable) which would now form part of the +ve feeder between overhead feeder points M51 and M19
- P&T (Post and Telegraph Department) main cable.
- 11kV cable
- Old Kilbirnie +ve (dead) – an original tramway VIR type feeder cable in boxing which was out of use.
- Chaffers St – Duncan Tce -ve tie cable (a non-armoured PILC cable in boxing) which would now form part of the –ve feeder between overhead feeder points M51 and M19

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Appendix 1

Examples of WCC Electricity Department cable installation details (Page 2 of 2)

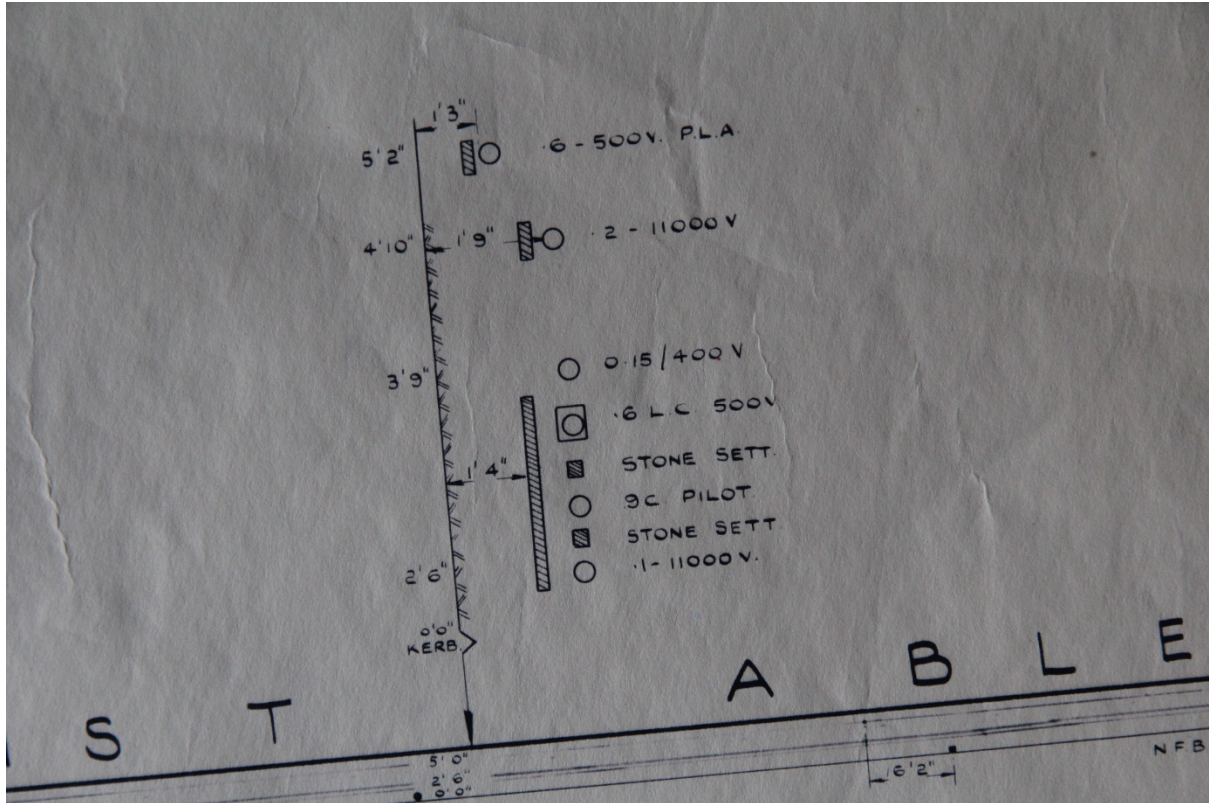


Figure A2

Extract from old WCC Electricity Department "Underground Cable System" drawing Sheet K.30 dated 24/2/1959

**Note:**

The above extract shows combined cableway detail on the north side of Constable St between the intersection of Riddiford Street and Daniel Street in Newtown as it was in 1959.

Illustrated are the following cables (from kerb);

- 11kV cable
- Pilot cable
- 0.6 (inch square) lead covered 500v DC traction cable in boxing
- 400v low voltage cable
- 11kV cable
- 0.6 (inch square) PILC steel wire armoured (PLA) 500v DC traction cable