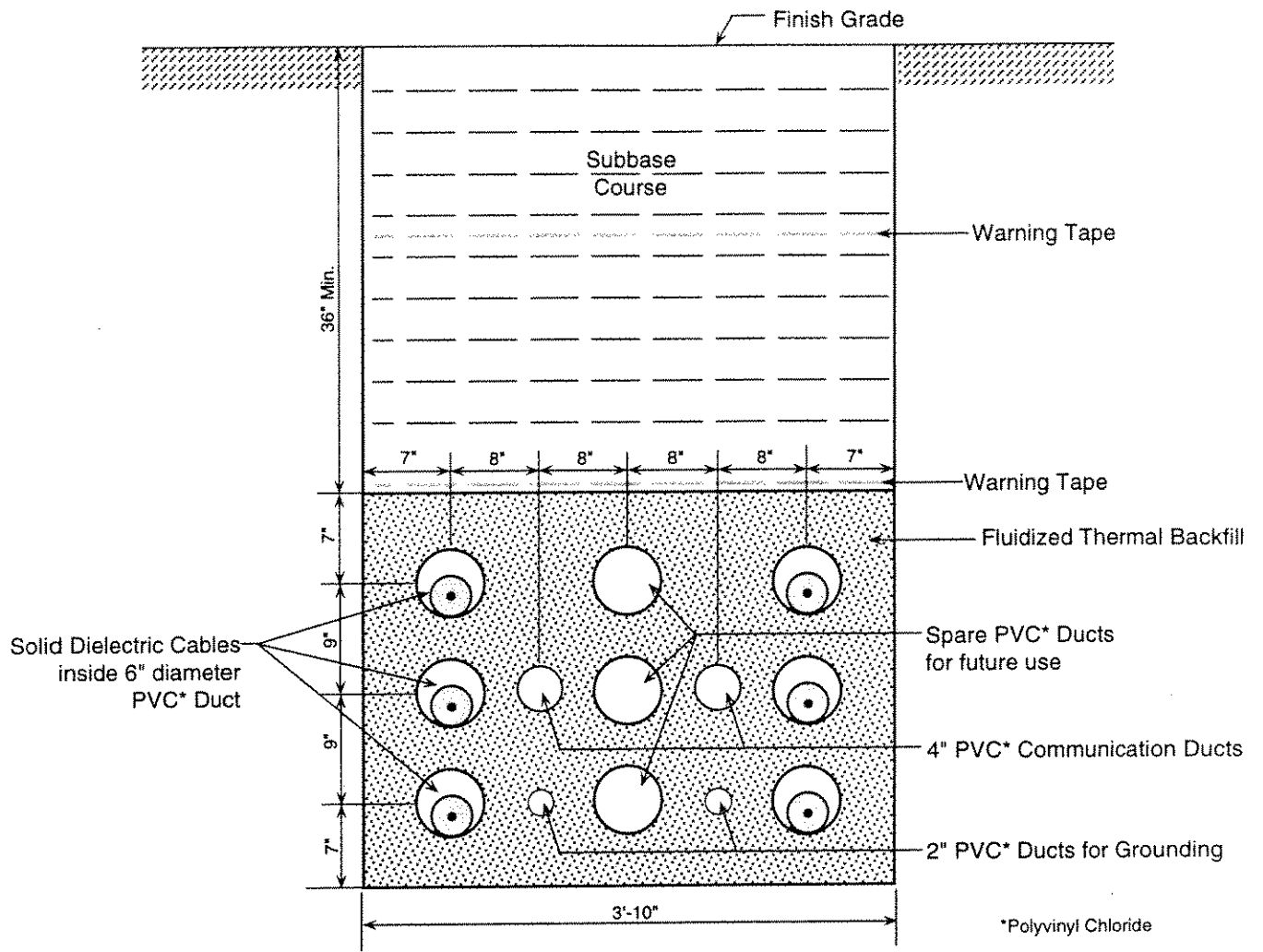
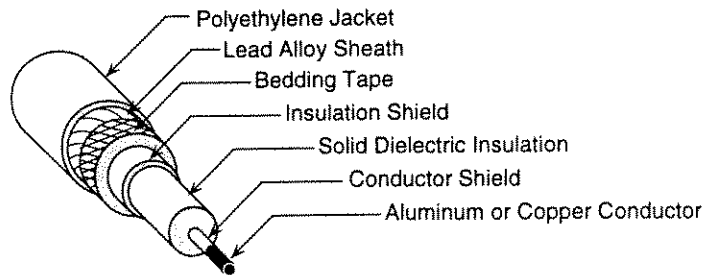


## TYPICAL SOLID DIELECTRIC CABLE TRENCH SECTION



## TYPICAL 138-kV SOLID DIELECTRIC CABLE CONSTRUCTION



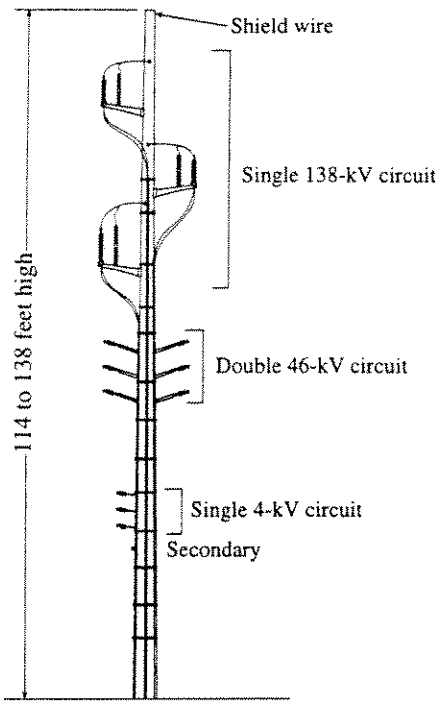
Hawaiian Electric Company, Inc.

### PROPOSED 138-kV SOLID DIELECTRIC UNDERGROUND CABLE SYSTEM

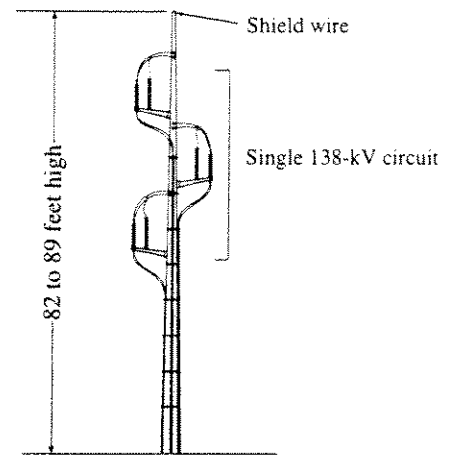
NOT TO SCALE

FIGURE

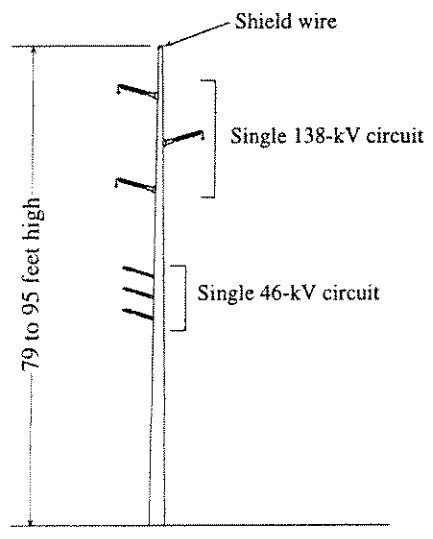
3-2



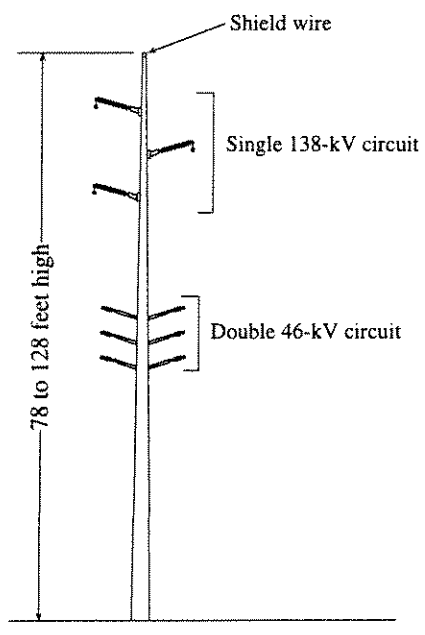
Proposed Single 138-kV Circuit  
with Existing Double 46-kV Circuit Riser Pole



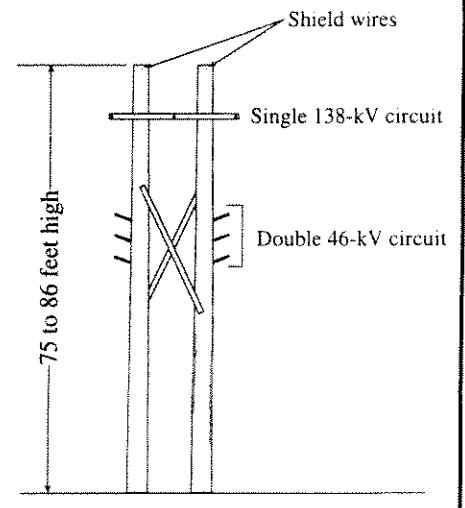
Single 138-kV Circuit Riser Pole



Proposed Single 138-kV Circuit  
with Existing Single 46-kV Circuit



Proposed Single 138-kV Circuit  
with Existing Double 46-kV Circuit



Proposed Single 138-kV Circuit  
Frame Structure  
with Double 46-kV Circuit

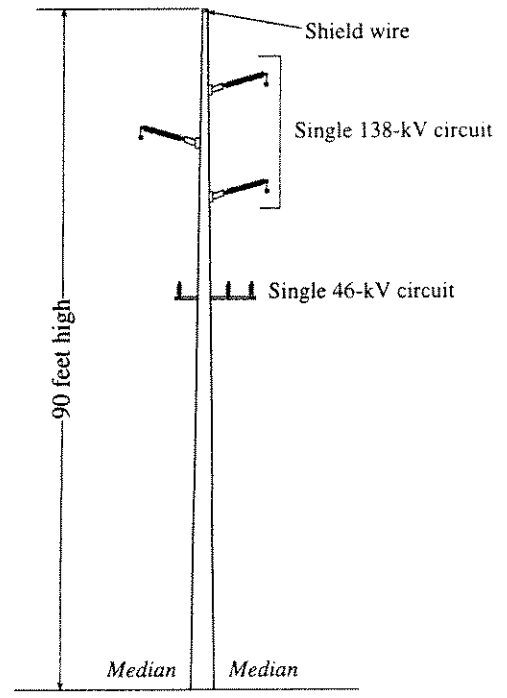
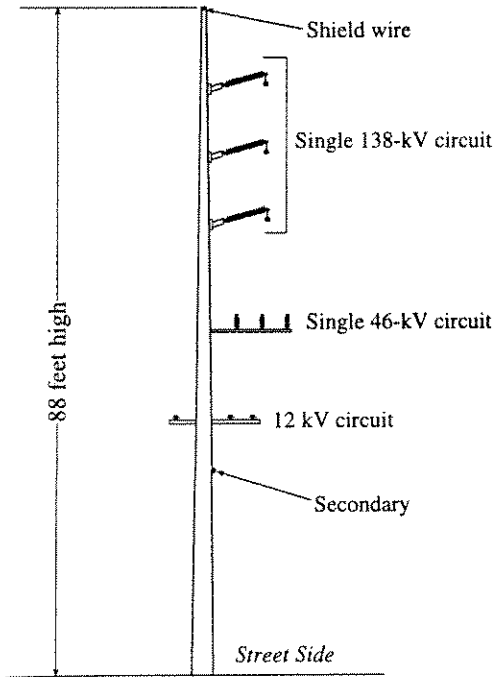
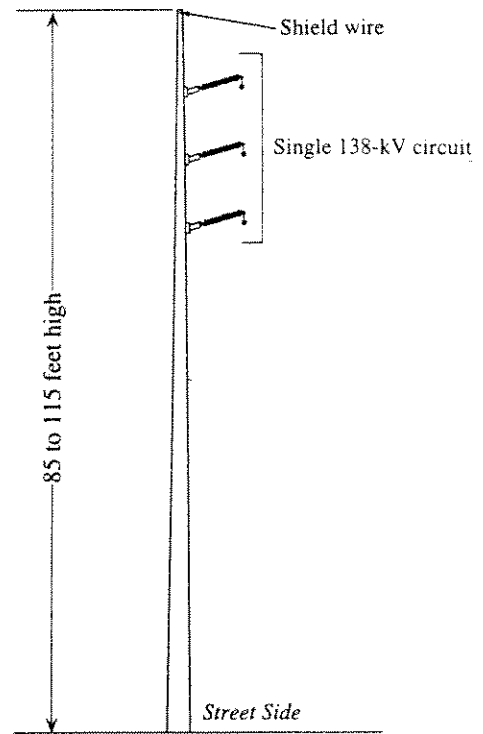
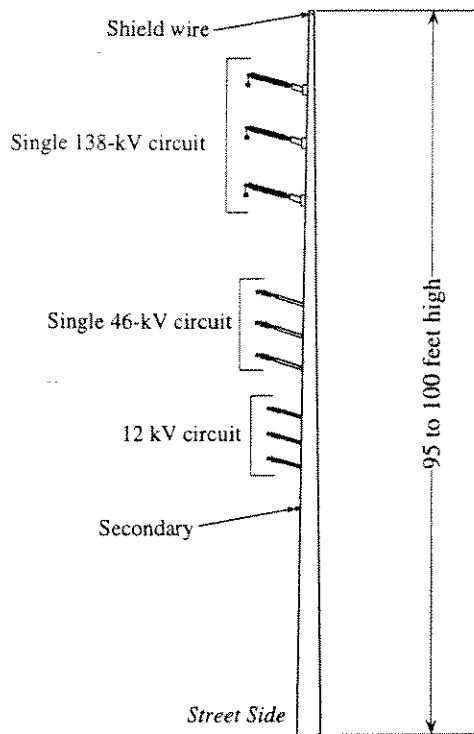
Hawaiian Electric Company, Inc.

**TYPICAL STEEL POLE CONFIGURATIONS**

NOT TO SCALE

FIGURE

**3-3**



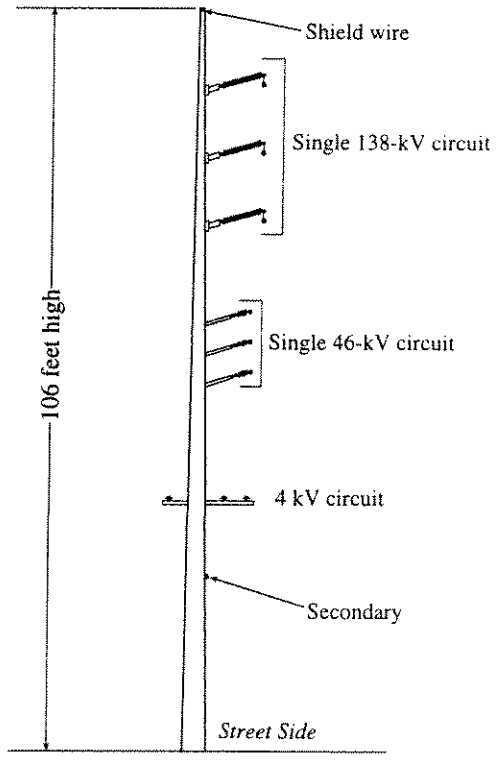
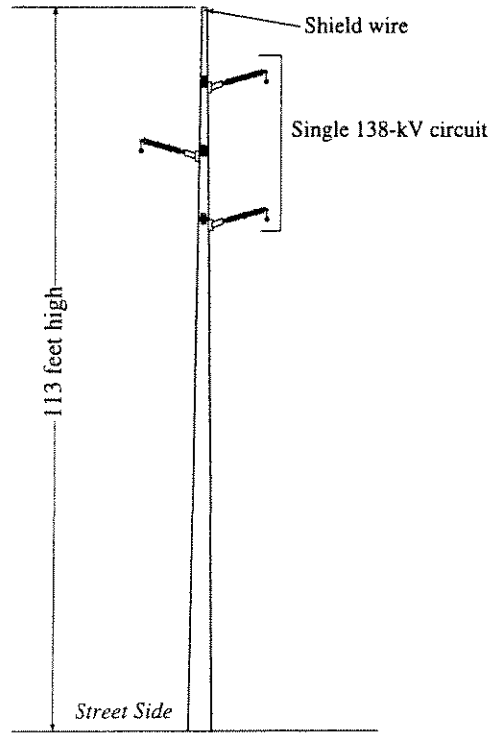
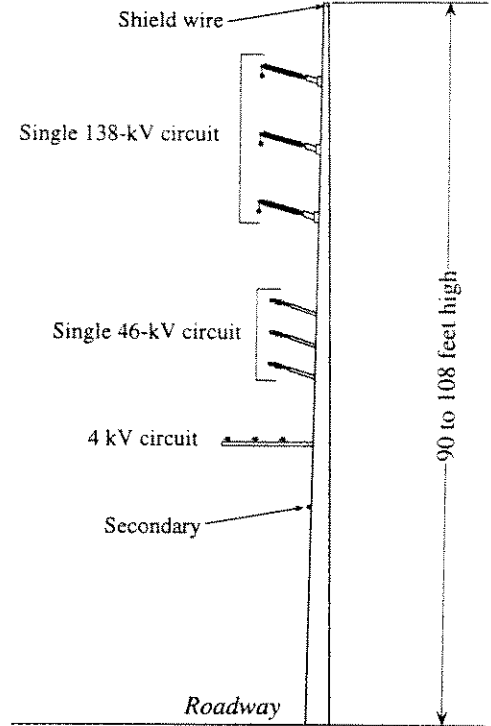
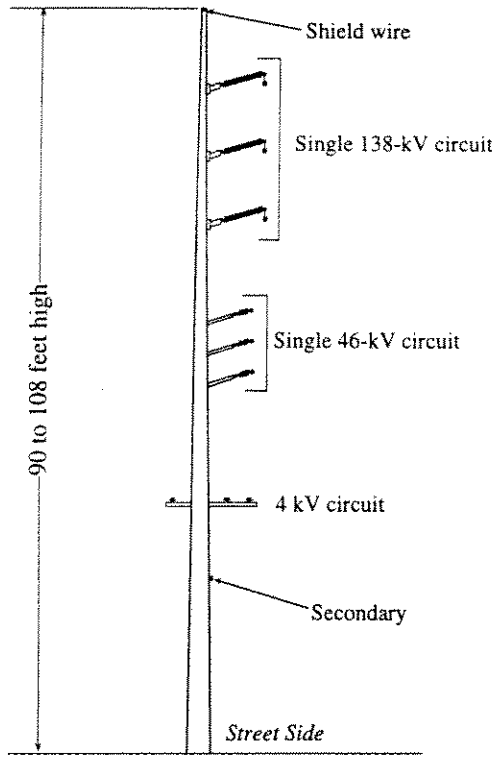
Hawaiian Electric Company, Inc.

**TYPICAL STEEL POLE CONFIGURATIONS**

NOT TO SCALE

FIGURE

**3-9**



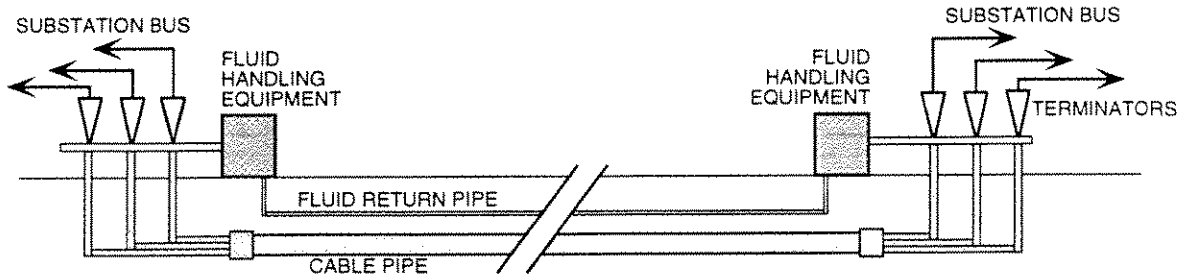
Hawaiian Electric Company, Inc.

**TYPICAL STEEL POLE CONFIGURATIONS**

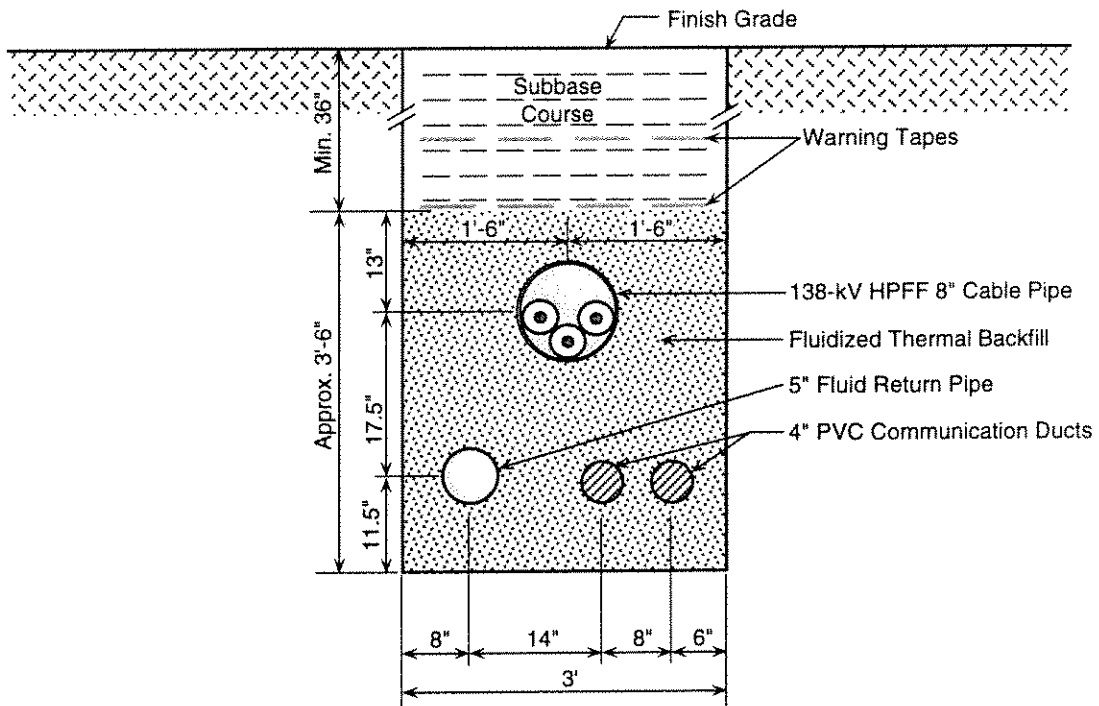
NOT TO SCALE

FIGURE  
**3-10**

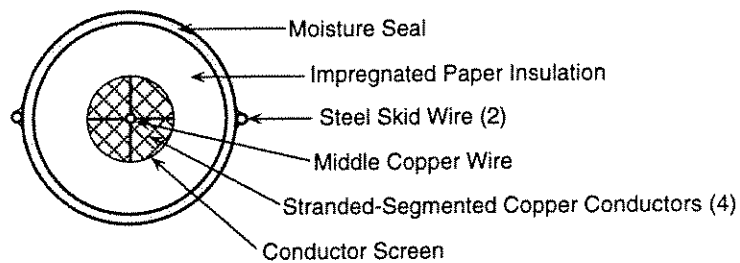
## TYPICAL HIGH-PRESSURE FLUID-FILLED (HPFF) PIPE-TYPE CABLE SYSTEM



## TYPICAL HPFF PIPE-TYPE CABLE TRENCH SECTION



## TYPICAL 138-kV HPFF CABLE CONSTRUCTION



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## TYPICAL 138-kV HPFF UNDERGROUND CABLE SYSTEM

NOT TO SCALE

FIGURE

3-11