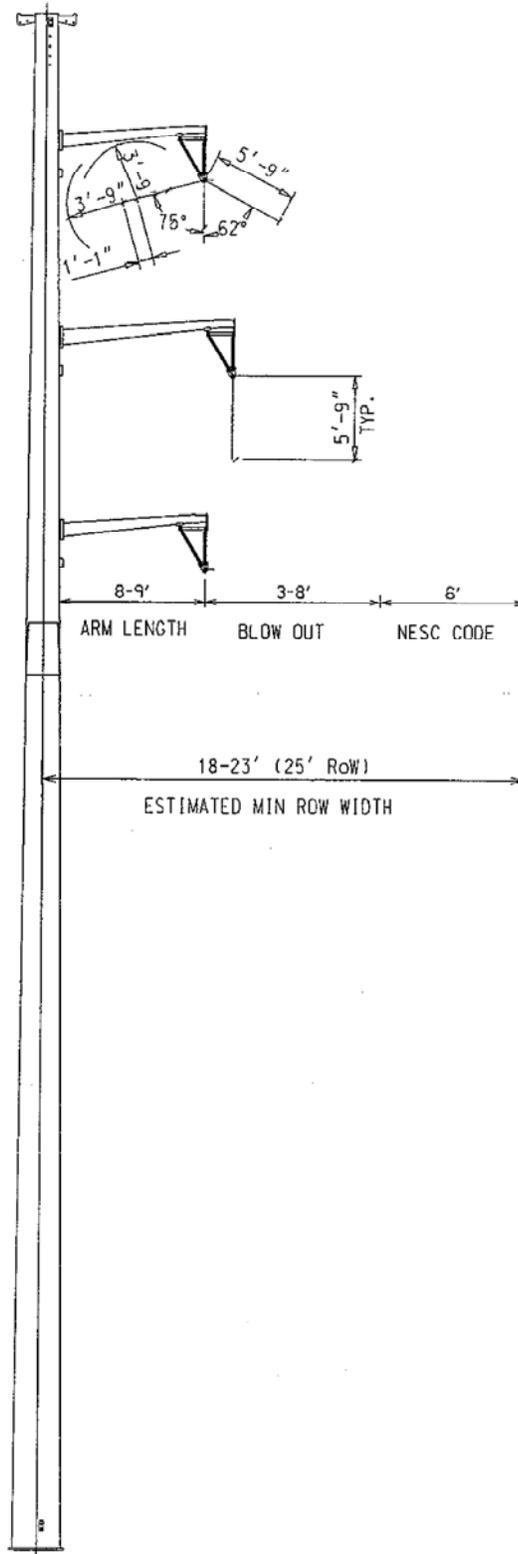


EXAMPLE OF 115KV MIN. REQ. ROW  
 SINGLE CIRCUIT STRUCTURE  
 ALL ARMS ON ONE SIDE



Source: Xcel Energy, 2010.

**Figure 4-4**  
 ROW Requirements for a 115 kV Single  
 Circuit Structure with Arms on One Side  
 Hiawatha Transmission Line  
 Xcel Energy  
 Minneapolis, Minnesota



June 2010