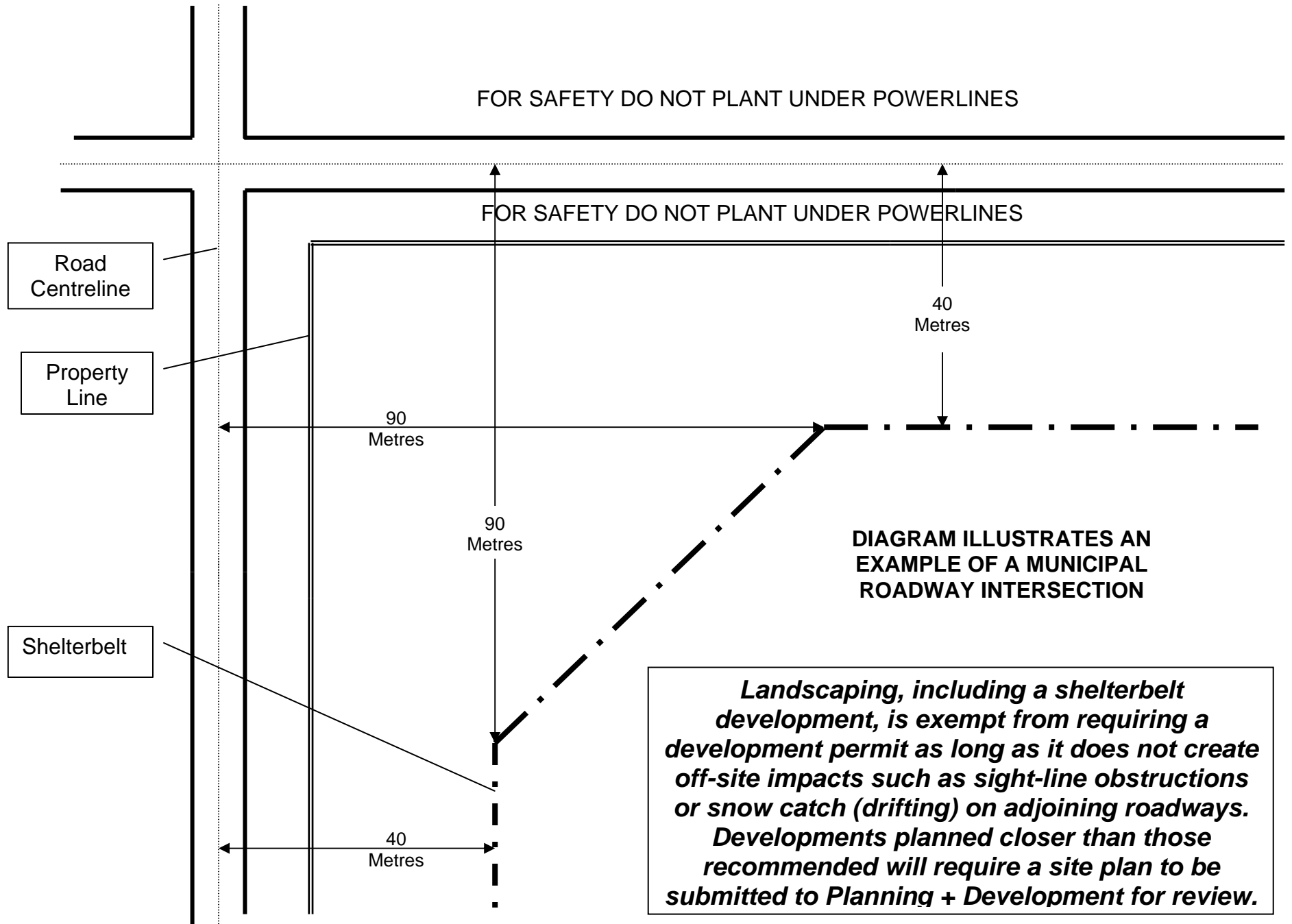


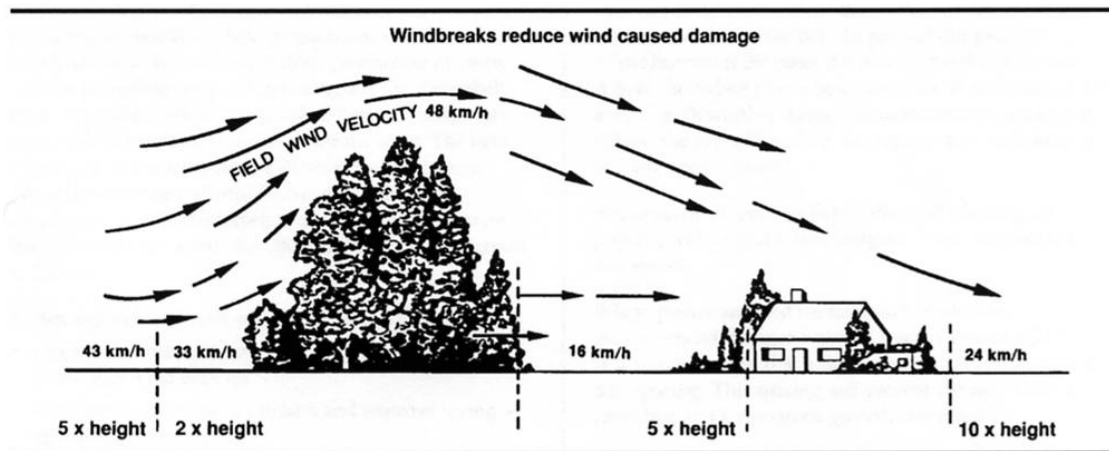
# LEDUC COUNTY SHELTERBELT SETBACK RECOMMENDATION



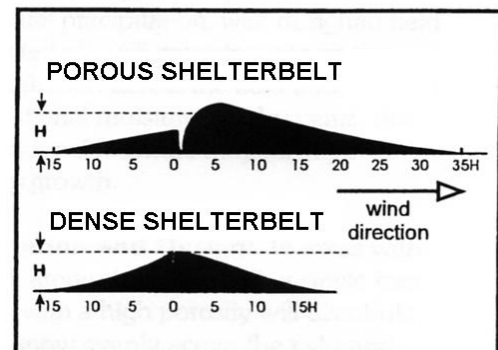
# LEDUC COUNTY SHELTERBELT SETBACK RECOMMENDATION

Some of the benefits of shelterbelts are a moderation in the effects of wind on building sites, yard areas, and livestock facilities. Well planned placement of a shelterbelt can also provide benefits in the reduction of snow build up along driveways and in building areas. Some points to consider when planning the location of your shelterbelt:

- **Wind Protection** Although most summer storms come out of the west; in the winter as much wind and stormy weather comes from the south east as north west in this area.



- **Snow Drift** Depending upon the porosity of the shelterbelt planting, the length and height of snow drift will be significant as the shelterbelt grows and fills in.
  - Porous shelterbelt (single trunk deciduous like poplars, ash) drift length calculation:  
Drifting up to 35 x height of trees
  - Dense shelterbelt (spruce) drift length calculation:  
Drifting up to 15 x height of trees



Other factors such as the location of overhead power lines and wildlife attraction (concealment) should also be given careful consideration when planning the placement of plantings.