



Planning your Yard Site

Spending time in drafting a plan of your yard site will not only enhance your yard but also minimize fire hazards.

This can be done by observing distances required between buildings to minimize fire hazard and also allow for insurance premiums to be kept to a minimum.

HAZARDS TO CONSIDER

Type of Structure	Building Dimension	Distance to Adjacent Structure		Building Dimension	Distance to Adjacent Structure
HIGH HAZARD			MEDIUM TO HIGH HAZARD		
Fuel Storage	3 m x 4 m	12 m	Storage	Silage and Grain	3 m x 4 m 9 m
Hay Storage	3 m x 4 m	21 m		Vegetable	3 m x 15 m 18 m
Grain Drying	3 m x 30 m	30 m			
Feed Operation	6 m x 9 m	24 m	Machinery	Storage	3 m x 30 m 24 m
Heated Barn, etc.	6 m x 15 m	30 m		Maintenance	6 m x 15 m 20 m
				Barn - no heat	6 m x 15 m 24 m
Transformer Pole	Height of pole	Wire must maintain minimum clearances			
		Falling distance +2m is advisable			
Padmount	2 m x 2 m	6 m			

TRANSFORMER POLE LOCATION

The transformer pole is the main distribution center from where you will be extending your overhead or underground secondary line to your buildings, etc. It should be centrally located and if possible in an area where it doesn't take away from the beautification of your yard site. There are advantages to having your transformer centrally located.

SAFETY

If there is a loss of a building it will not destroy the entire electrical system as service can be maintained to the other buildings. A separate secondary drop connected ahead of the main disconnect can be run, for instance, to the water well to ensure a water supply is accessible.

On occasion our service technicians may be required to visit your property site for routine maintenance or to inspect the equipment on our power poles. In the case of a power outage due to a storm or natural disaster, a reminder that all power poles **MUST** remain clear of all signs or obstructions, such as bird houses or fencing. This can create an unsafe environment should the technicians need to scale the pole in an emergency. If the technicians are unable to access the pole in a safe and timely manner, it could create delays in restoring your power. You can assist by keeping a clear accessible path to the transformer, meter or breaker box. When technicians arrive, please promptly contain any pets.

FARMSTEAD EXPANSION

A centrally located transformer pole gives you the option of serving other future sites as you have a 180 degree radius to expand.

MINIMIZES SIZE OF SECONDARY WIRING & TRANSFORMER SIZE

Diversification of load between buildings and other sites will reduce the wiring sizing due to distance and the transformer required. It will also save costs on secondary wiring.

In order to centrally locate your transformer pole, draft up a farmstead map showing where each building might be and the electrical load anticipated at each building and site. The location and load (amps) for each building or site should be noted. The transformer pole should be situated close to where your largest load will be.