

Required information for proposal discussions on wind fence projects

The following items are some of the things that can help with preliminary discussions on customers' requirements.

Topographical map and site map showing:

North

Contours for at least 1000 ft in every direction from site

Heights of any major buildings or groups of trees nearby

Roadways and access requirements (location, height) around site buildings and other existing structures

Wind information:

Data giving wind speed, direction and frequency (wind rose)

Indicate what averaging period is.

(eg day, hour, 10 min, 20sec, 3sec), Any is OK, 10 min is ideal.

If data is peak gust (often 3 sec) per day, get daily averages too.

Much of the above can be illustrated with a video or still photographs. Shots that work best are:

From center looking in each direction of compass

Looking at center, at right angles to prevailing wind"

Structural Design Information

Applicable building code

Wind Peak 3 sec gust over last 50 years OR Code Design wind speed

Snow Max open field depth

Hail and freezing rain Maximum depth

Ground choose from: clay (hard/med/soft), packed granular, loose granular, certified fill, loose fill, swamp.

OR drill log to approx 20 ft (30 ft if structure likely to be 50 ft or higher)

Stockpile and dust control windbreaks

Location of spots where dust is being blown to

Elevations and plan views of source (eg pile or conveyor)

show working faces of piles

show range of pile size

show range of conveyor travel and material throw

Sieve analysis of source material

if not available, estimate percentage of material sub 600microns, and sub 200 microns

Specific Gravity and bulk density of material

Angle of repose. (i.e. angle of pile face)