

May 22, 2019

TO: Clearcreek Township Zoning

FROM: Steve Koogler

SUBJECT: New Amateur Radio Tower Installation

LOCATION of new tower: 8865 BARRINGTON WAY  
SPRINGBORO, OH 45066

DESCRIPTION:

I am enclosing drawings and technical calculations for a new 64' Heights tower.

I am an amateur radio operator, K8DZ callsign, and currently have two existing towers, one at the back of my lot and one just behind the house. I need to replace the existing tower that is near the house for several reasons.

First is that trees in my yard are getting taller and blocking signals somewhat in some directions. The new tower will be slightly taller to remedy that issue.

Second is that the existing tower must have a person climb it to repair any issues with the antennas and I do not climb. It is getting harder to find friends to do it as we are all getting older! The replacement tower will tilt over and lay down into the back yard and can be readily serviced at any time.

The new tower will be about ten feet to the east of the tower it is replacing. A sketch of this location, relative to my house, is attached. The existing tower will be removed as soon as the new tower is installed.

In addition to the plot plan, I have included all of the mechanical calculations from the very reputable tower manufacturer – Heights Tower Systems. There are calculations to determine stresses on each section, etc but the bottom line piece of information is the specification of the dimensions for the hole in the ground. 5' x 5' x 7.16' deep. There will be around 6 to 7 yards of concrete used to fill the hole with tower base installed. A re-bar cage is recommended for the tower hole and has been purchased by me.

The wind loading rating of the tower exceeds the amount of load that I will be installing on the tower.

If there are any questions, please let me know. Thank you.

Steve Koogler  
8865 Barrington Way  
Springboro, OH 45066 cell: 937 266 5507

