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April 14, 2017

Zoning Hearing Board  
New Garden Township  
299 Starr Road  
Landenberg, PA 19350

Re: Eco-Site  
Site ID: PA-0027  
Address: 1511 Yeatmans Station Road  
Landenberg, PA 19350

Dear Board Members:

For the above referenced site, Eco-Site proposes the construction of a 125 ft. tall (130' to top of lightning rod), steel treepole. The treepole will be designed to accommodate the antenna array for the proposed T-Mobile installation and will be designed for an additional two (2) wireless communication providers. The additional space required for others will be available in the open area below the T-Mobile antenna array located at the top of the treepole. The design of the treepole will be prepared to accommodate co-location of these additional communications providers.

The design would consider the loading from the T-Mobile antenna array which consists of twelve (12) panel antennas, twenty-four (24) coax cables and nine (9) remote radio heads. The design of the treepole will also accommodate the loading from additional wireless communication providers; each additional antenna array would be considered fully loaded with a maximum of twelve (12) panel antennas with a total of twenty-four (24) coaxial cable runs. Each array would be stacked vertically on the proposed treepole at ten (10) ft. intervals.

The treepole will be designed to meet all applicable ANSI/EIA/TIA (American National Standards Institute, Electrical Industry Association, Telecommunications Industry Association tower specifications) standards and the treepole shall be built to withstand one-hundred-mile-per-hour sustained winds and with a uniform loading of 50 pounds, or short duration gusts of up to 150 miles per hour. An independent structural engineer registered in Pennsylvania shall attest to the treepole's ability to meet these requirements and certify proper foundation construction and treepole erection.



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If you have any questions or comments, or require additional information, please do not hesitate to contact me.

Very truly yours,

MASER CONSULTING P.A.

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Associate/Senior Project Manager

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