



A Division of Sabre Industries, Inc.

November 2, 2010

Mr. Michael Hammer
Crown Castle USA Inc
5350 North 48th Street, Suite 305
Chandler, AZ 85226

RE: 40' (extendible to 70') Monopole at SAL-Hermitage, UT (Sabre #33435 & #34753)

Dear Mr. Hammer,

This letter is in response to e-mailed comments from the Weber County Engineering department, regarding the above referenced monopole and foundation designs.

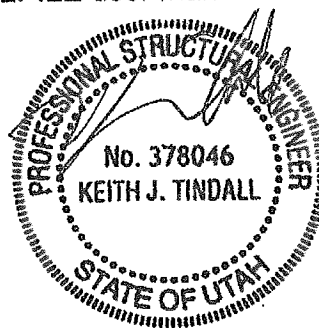
Seismic loads do not control the design of any component of the monopole or foundation, since seismic forces are significantly lower than wind forces.

The geotechnical report states that the site soils are negligently corrosive to concrete. Per ACI 318-05, Section 4.3, there is no restriction on the type of cement or water-cement ratio if the corrosion potential of the soil is negligible. Therefore, no specific cement is required for sulfate resistance.

Section 6.4 of the geotechnical report recommends a passive pressure of 300 psf/ft. As shown on page A10 of our Structural Design Report #33435 dated August 23, 2010, we designed the foundation per section 1805.7.2.1 of the 2006 IBC. The 300 psf/ft was increased by 1/3, since the loads from the monopole design output are factored loads (wind load factor = 1.6). The LPILE+ 5.0 output shown on pages A1 through A9 provide an additional check of deflection under maximum factored loads. Since the geotechnical report did not provide the specific lateral resistance parameters that are required by this software, the values were conservatively estimated from the blow counts on the boring log, and the LPILE user manual.

Sincerely,

Keith J. Tindall, P.E., S.E.
Vice President & Chief Engineer



11/2/10

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