



Mark Carda
Engineering Manager

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April 4, 2007

Mr. Jerry Nuber
City of Rapid City
300 6th Street
Rapid City, SD 57701

RE: West Chicago Street Lights

Dear Jerry;

I've reviewed information you provided on the proposed street light additions to West Chicago and believe there are some issues that might affect this project. With a boulevard of 20 feet and our existing 69kV double circuit running down the center of the boulevard there is very little room for street lights. I've attached a drawing showing an average sized steel tower of 85 feet as it would fit within boundaries of the boulevard.

As you can see maximum conductor sag falls within 25 feet of the ground. NESC code clearance requires 9 feet horizontal, and 9.5 feet vertical from 69kV. I believe that the NESC and OSHA rules would be breached during digging, installation, and maintenance of any lighting structures placed within the boulevard and a safe working distance can not be maintained.

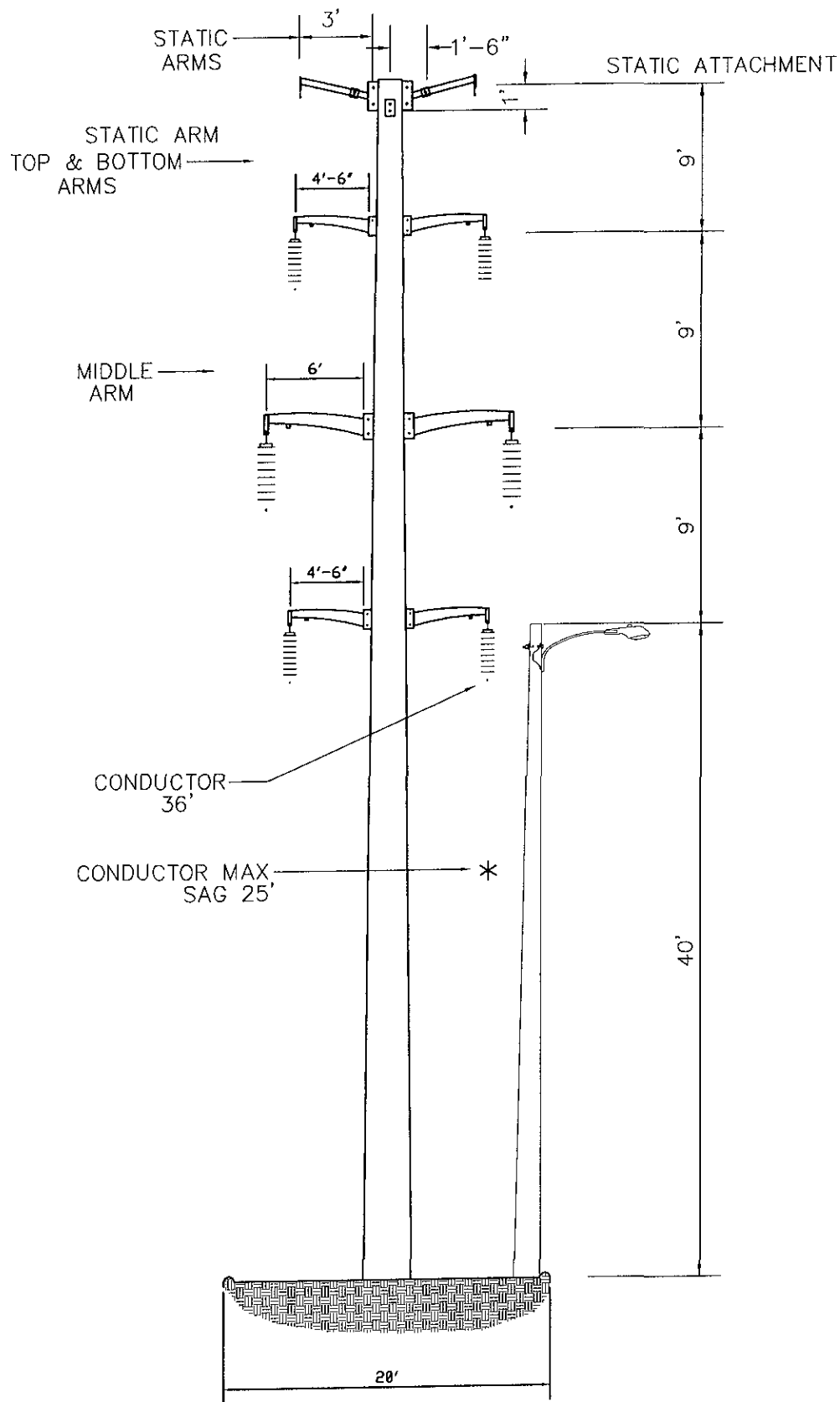
I would strongly suggest looking at other design options for lighting of West Chicago. If you have any questions please contact me.

Sincerely,

A handwritten signature in black ink that reads 'Mark Carda' in a cursive style.

Mark Carda
Engineering Manager

Enclosure



BLACK HILLS POWER			
SW RAPID CITY - BEN FRENCH 69KV LINE			
69KV DOUBLE CIRCUIT TANGENT			
DRAWN BY	DATE	DWG NO.	STDCDA
APPR BY	DATE	REV	0/10