



*Communication Tower
Scenario*

The Hughes County Emergency Management Agency proposes to use Homeland Security Grant Program (HSGP) funds to construct a 480' guyed communications tower that will help to improve interoperable communications for emergency responders throughout Hughes County. The proposed facility will accommodate federal, state, and local emergency service responders' communications equipment for the purpose of providing suitable radio frequency coverage for the area during an emergency. Hughes County is in an area subject to severe weather, therefore, a guyed structure is needed for its ability to resist storm events and remain functioning in the event of a major storm emergency.

The proposed tower complex would include a 480' guyed tower for which four micro-pile foundation holes must be dug at a depth of 30' with a diameter of 1', an emergency generator on a 4' x 8' concrete pad, and a 12' x 9' equipment shelter on a concrete pad. The entire compound would be enclosed with a chain link fence.

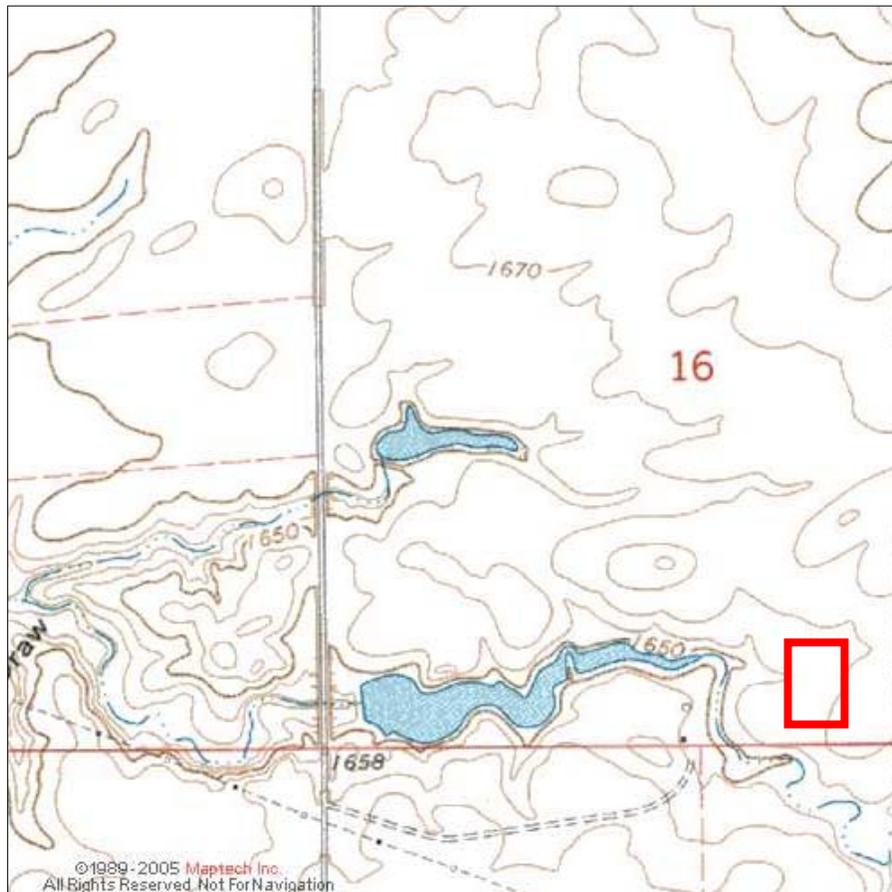


Attachment 1: Aerial Photo, Proposed Tower Site





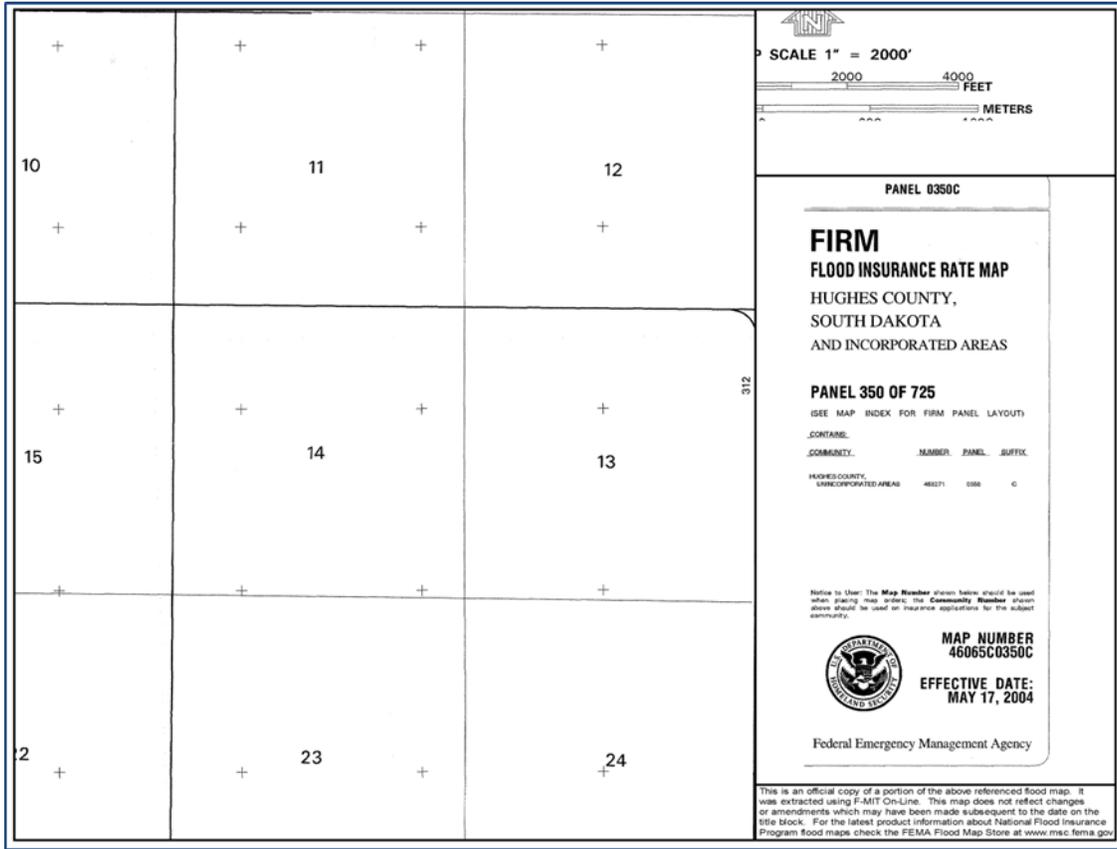
Attachment 2: Topographic Map of Proposed Hughes County Tower Site



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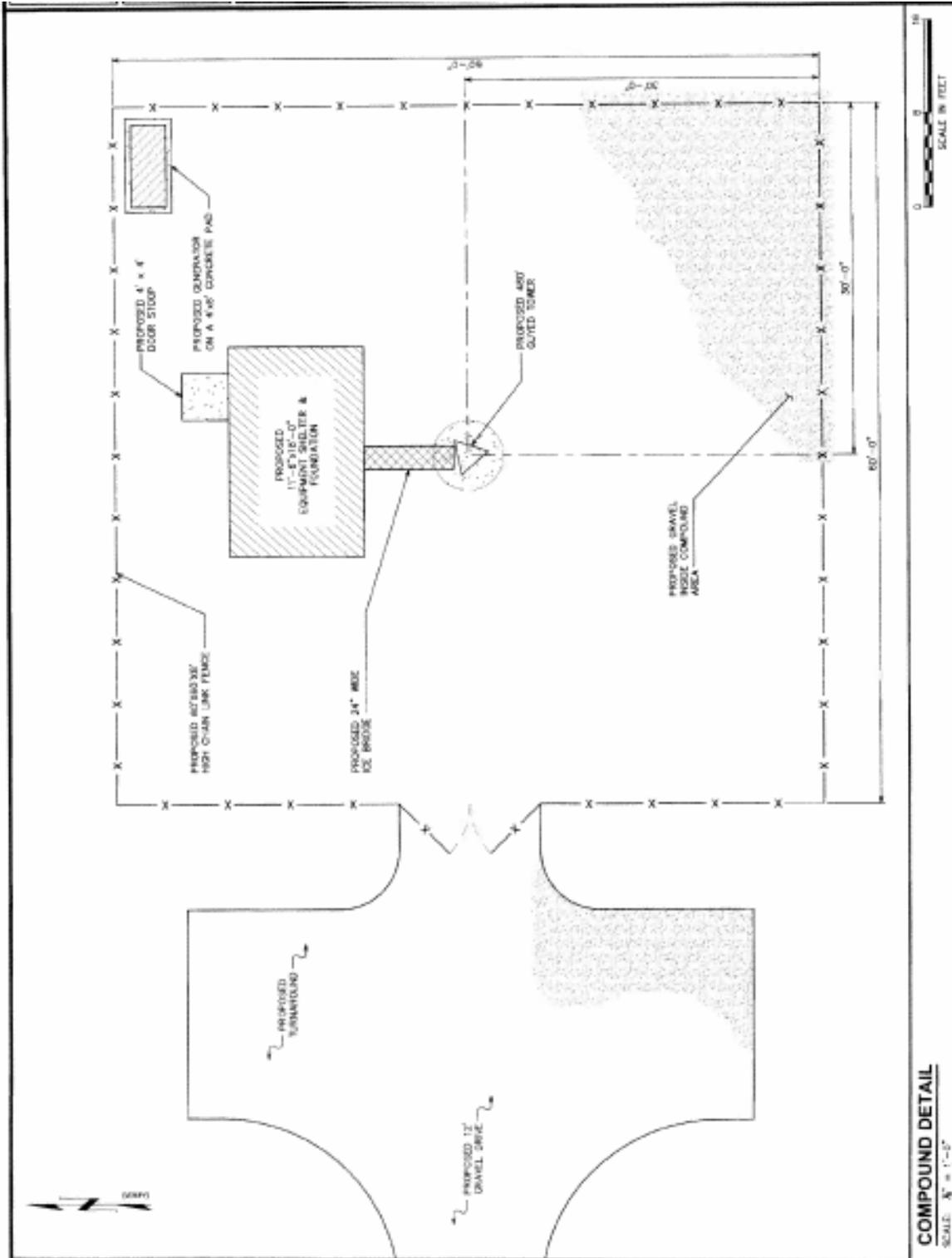


Attachment 3: FEMA Flood Insurance Rate Map





Attachment 4: Proposed Site Design and Layout



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Attachment 5: Ground-level Site Photo

