



March 15, 2016

Mr. Robert McNeill, P.E.,  
Environmental Manager  
COG Operating LLC  
One Concho Center  
600 W. Illinois Ave.  
Midland, TX 79701

**Re: Pad Reconstruction - Crossman 25 State #1  
Eddy County, NM**

Dear Mr. McNeill:

As you know, Smith Engineering Company was retained by GCI of Hobbs, NM to evaluate the flood-damaged Crossman 25 State #1 well pad in Eddy County and prepare engineered construction plans to rebuild the pad. The pad is partially located in an existing drainage arroyo and, as I understand it, was damaged by flooding in September of 2014. On February 23, 2016 I met with you and other members of the project team to look at the damage and discuss a strategy to recover the pad.

A few days after the meeting, our surveyors were on-site to conduct a topographic survey of the damaged pad and surrounding area. The survey was used to create a 3D CADD model of the existing site surface. The model was used as a basemap for the design of the well pad reconstruction.

The plan for reconstruction is to shorten the pad to 20' beyond the existing deadman anchors and rebuild the it with existing material washed into the drainage channel during the flood. The pad will be brought up in compacted lifts to its original elevation with 2:1 side slopes and a 30" berm around the new perimeter. The face of the slopes along the west, south and east sides of the pad will be reinforced with wire enclosed rip-rap. The rip-rap will be 4" diameter (min.) at a depth of 12". The rip-rap will be enclosed by a top and bottom layer of wire fabric and anchored by two rows of T-posts. The T-posts will be 5' long placed perpendicular to the slopes on 10' centers. The wire fabric material and installation will meet NMDOT Section 602 specifications. The rip-rap will extend 5' horizontally into the drainage channel with a 2' x 1' turned down edge at the base of the slopes.

If you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "Scott Hicks", is written over a horizontal line.

Smith Engineering Company  
Scott Hicks, PE  
Project Engineer

