


Commanding Officer  
70th Engineer Battalion  
ATTN: EGACBE-OP  
APO 96297

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Co A, 70th Engr Bn  
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1. When out of tie wire to hold rebar together it was found that barbed wire made an expedient and acceptable replacement. Barbed wire is composed of two strands of wire; one of which is less barbs. This barbless strand can be utilized effectively as tie wire.
2. While constructing abutment forms for a bridge site "A" company was faced with a shortage of anchor bolts long enough to run through these abutment forms and the 3" pipe utilized for weep holes. It was found that the barb-less strand of wire found in standard issued barbwire could be utilized to anchor the pipe in place and to help hold the forms together. The wire can be run through the sheathing joints and secured by pieces of rebar on the outside of the forms. If used in strands of three another piece of rebar can be utilized to twist the strands together thus taking up the slack in the wire and holding the forms together.
3. When installing prefabbed rebar walls for bridge abutments over 16' high it is very difficult to erect the rebar without the panels coming apart or bending from its own weight especially if constructed out of #4 rebar. #8 rebar or larger, if available, should be installed close to the ends, in a vertical position running the full height of the rebar, and throughout the form to help keep the prefabbed rebar in a straight pattern. When this method is utilized fear of collapsing the rebar can be eliminated.

  
DAVID A CORBETT  
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Commanding