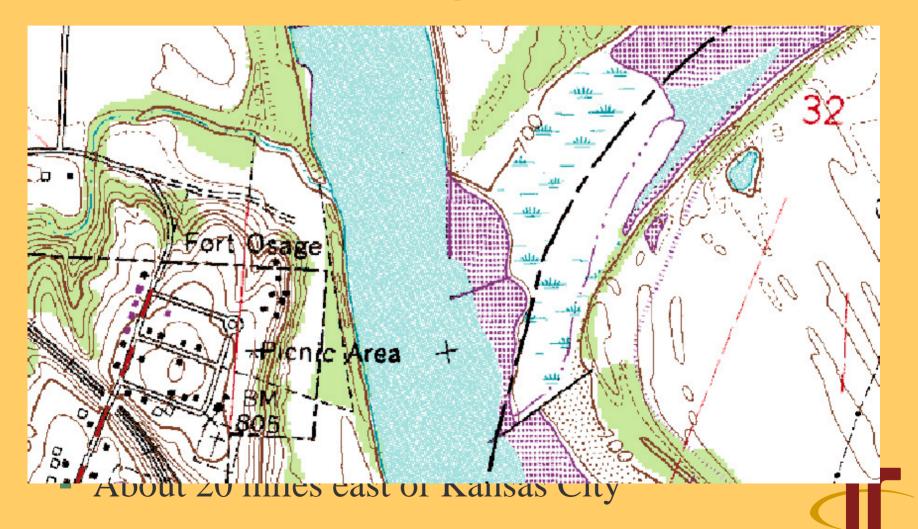
# Fort Osage Education Center



#### April 18, 2008



#### Where is Ft. Osage?



## What is Fort Osage?

Originally built in 1808 under the direction of William Clark.



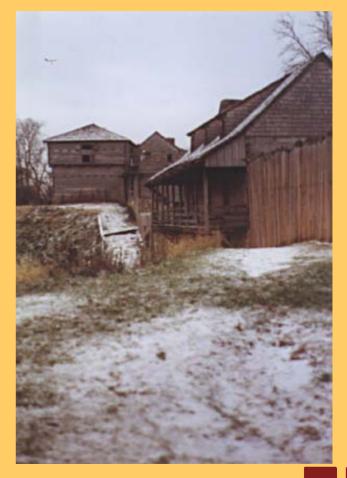
"... a high commanding position, more than 70 feet above high-water mark, and overlooking the river...." Clark

- Served as one of the first US outposts in the Louisiana Purchase.
- Closed in 1827 with commencement of construction of Fort Leavenworth.

#### What is Fort Osage?

 The reconstructed Fort Osage recreates 1812 through living history.

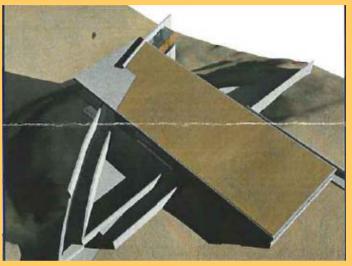




#### The Fort Osage Education Center

 2001, Jackson County Parks Commission set out to build a visitors center...







#### Not Fort Osage



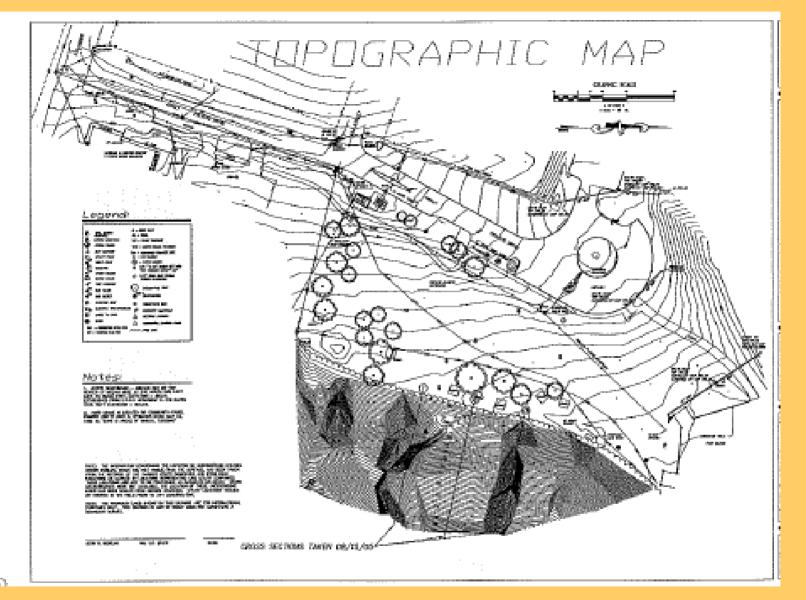






JF

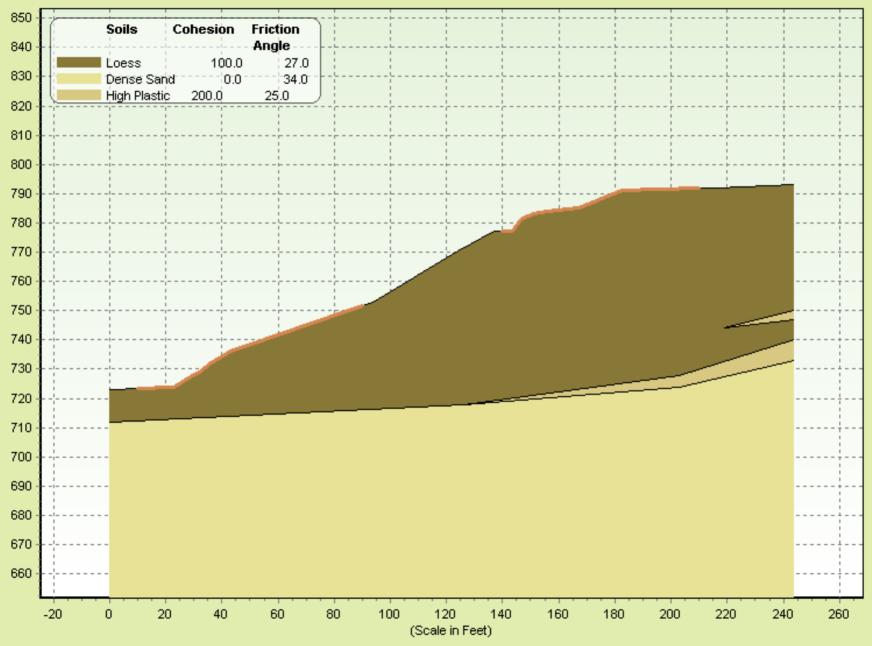
Trees cleared to return bluff to natural setting . . .



AF



#### Problem: Fort Osage





## **Building Details**



LEED<sup>®</sup> Gold Rating with green roof, radiant heating and cooling, passive solar heating and natural ventilation.

2 Story Structure with the first floor partially below grade

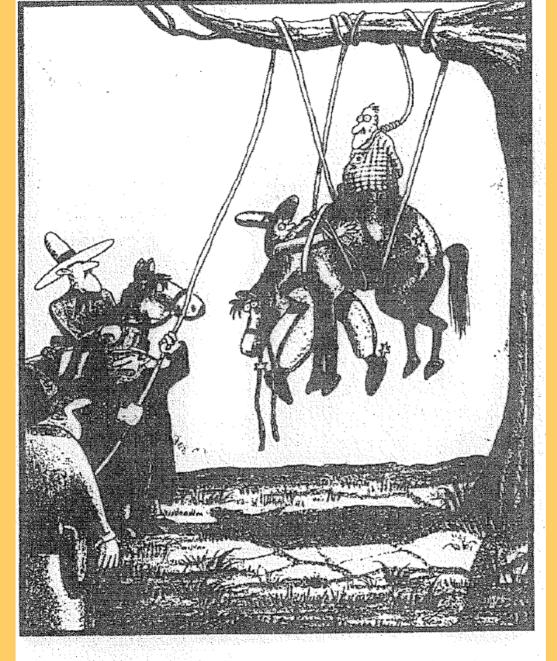
Column loads of 500 kips

Wall loads of 17 kips per lineal foot

Terracon was not selected as the geotechnical consultant.

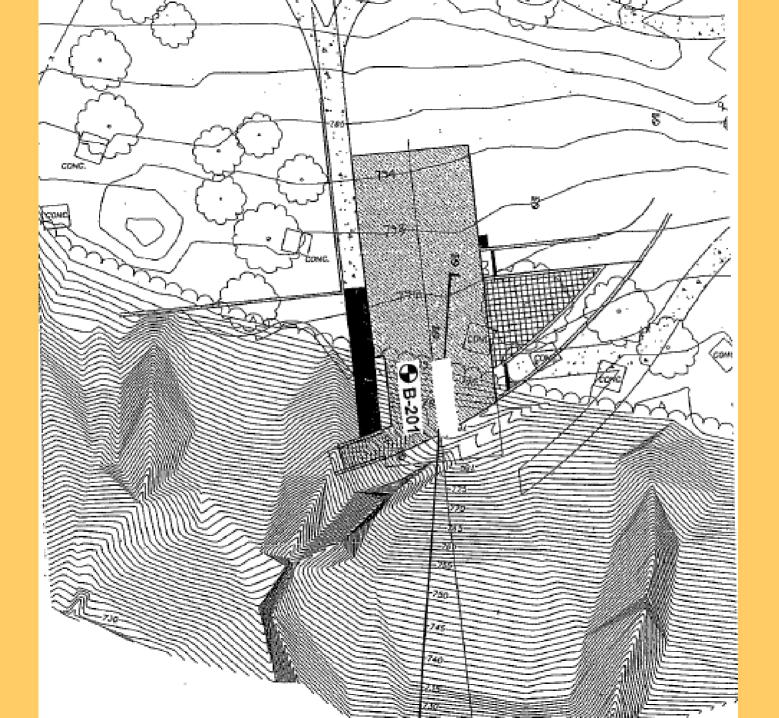
#### Not One of Our Jobs!





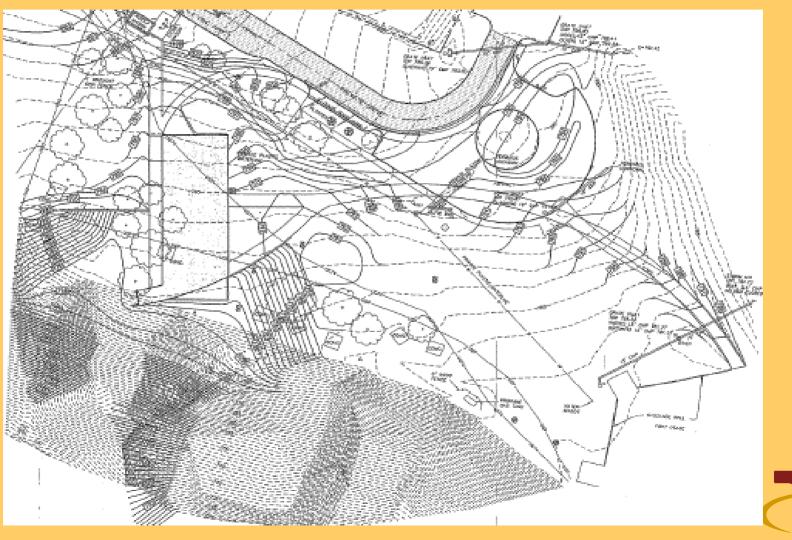
"Okay, okay, okay . . . everyone just calm down and we'll try this thing one more time."







#### Can we switch to a mat foundation?



Problem: Fort Osage - FS Min- Bishop = 1.411

