

## Good Enough to Share- Trail Gate Design, Fabrication and Installation at Truman Lake

Lake: Harry S Truman Lake, Missouri

Partners: City of Warsaw

Partnership Type: Challenge Partnership

Corps POC: Don Goers

In 2008 the Corps staff at Truman Lake and the city of Warsaw entered into a Challenge Partnership to convert several miles of levees downstream of Truman dam into multipurpose walking/bicycle trails. The work involved the installation of rock aggregate specially formulated for trail surfaces onto 3.1 miles of levee crest roads that prior to the work were surfaced with a large aggregate gravel that was not conducive to bicycle traffic. The project was made possible by the award of \$10,000 in Handshake Agreement funds which along with investments in money, equipment time, and labor by the city of Warsaw saw the project completed in 2009.

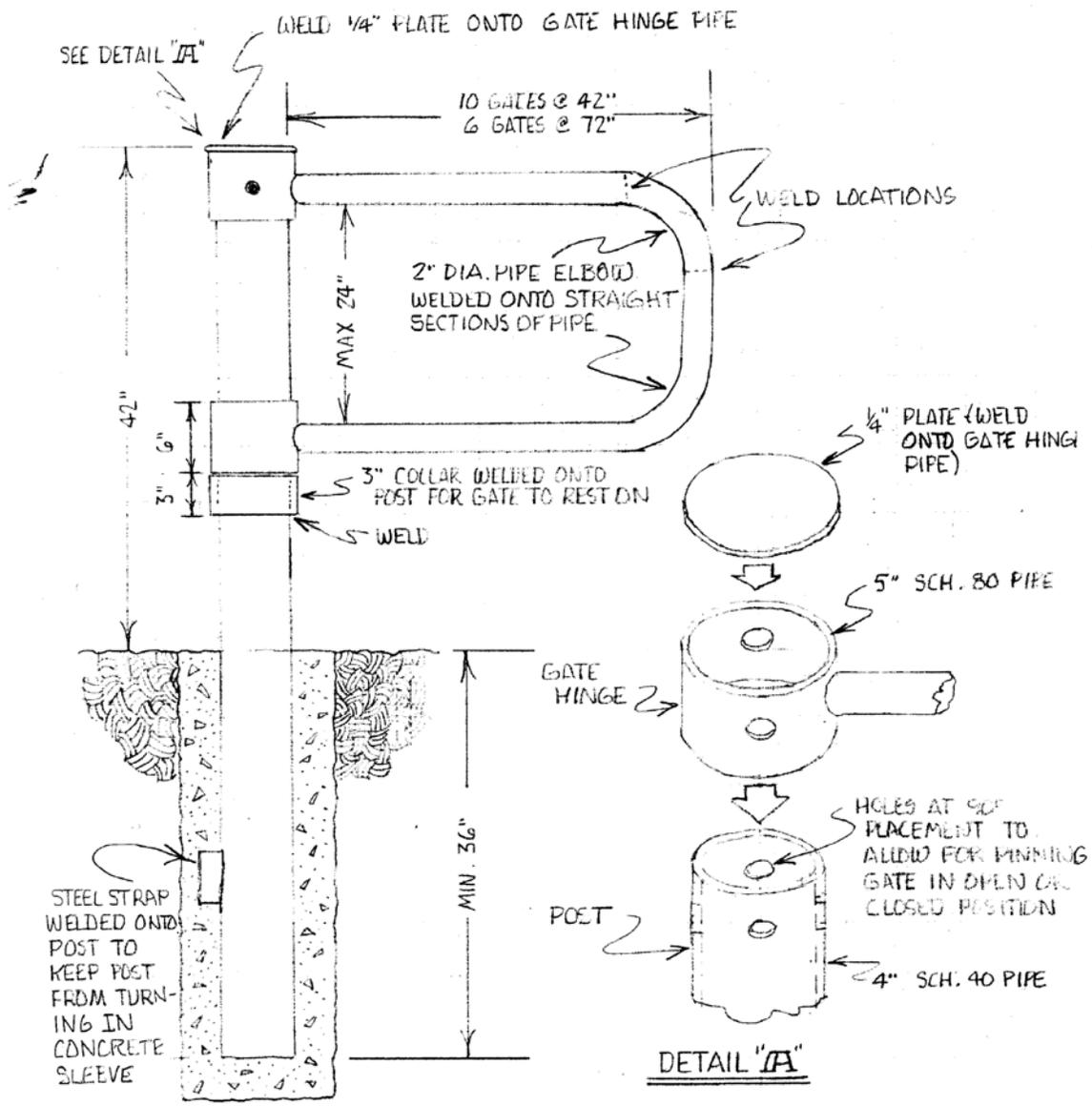
An important element of the work carried out by the Truman Corps staff was the construction and installation of a series of gates that allowed pedestrian and bicycle access while prohibiting vehicular access to the trails. The gates were designed by local Corps staff who then purchased materials for construction, arranged for fabrication, and installed the gates at 8 locations on the trail.

Total cost per pair of gates (it takes two gates at each location) was approximately \$450. That cost includes materials, fabrication, and labor to install.



These trail gates replaced a series of farm style tubular gates that created the impression that the levee roads were off limits to the public. Since trail surface improvement and installation of the new gates 2 years ago use of the trail by pedestrians and bicyclists has increased tenfold.

The attached drawing shows the basic design details for construction of the gates. Note the difference in gate width. The different widths are due to several of the gates being put in place on wider roads. We installed the gates with a 42" opening. This appeared to be an optimal size that allowed space for bicycles to pass through safely and narrow enough to exclude ATV traffic.



DRILL HOLE FOR  
PLACEMENT OF PADLOCK



TRAIL GATE

D. GOERS  
9 NOV 2009

