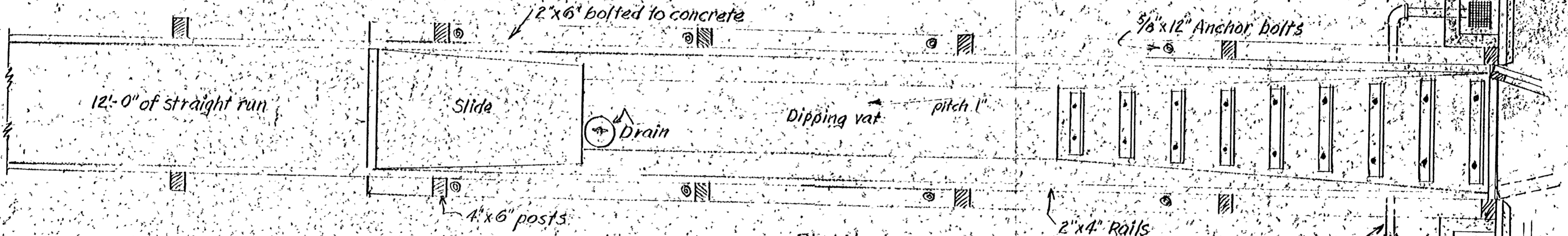


At this level for cattle 1792 gal. Horses 2876 gal.  
 " " " " 1557 " 2554 "  
 " " " " 1323 " 2230 "

CROSS SECTION

VAT DRAIN DETAIL

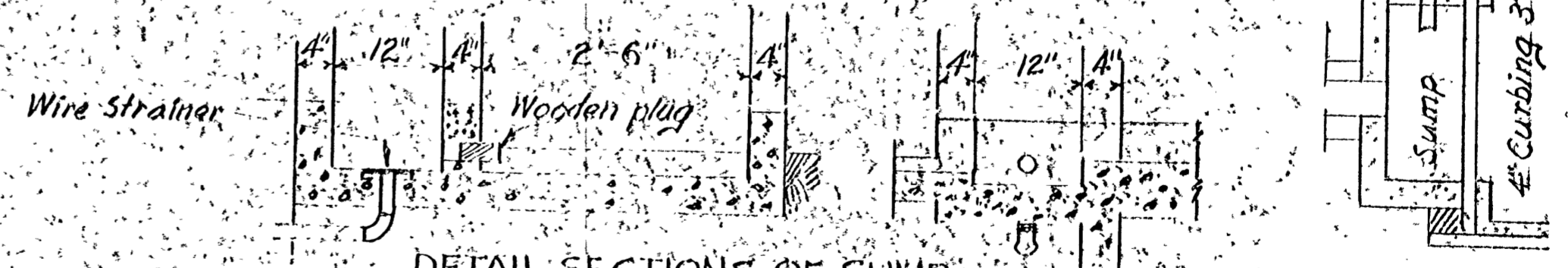
LONGITUDINAL SECTION



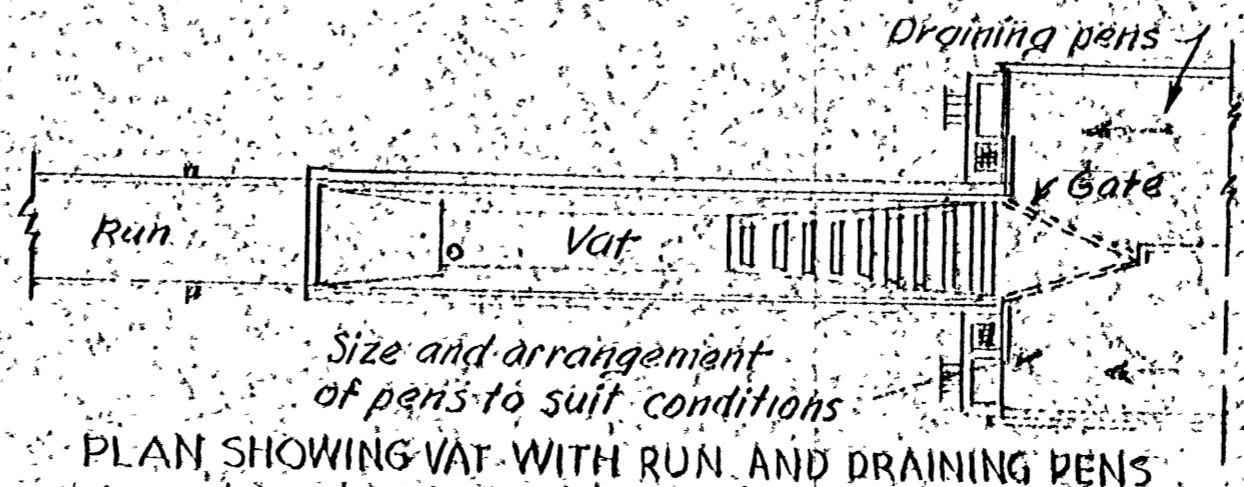
PLAN

**BILL OF MATERIALS**

- Concrete:  
 Vat for horses = 66 sacks of cement, 5 cu. yds. sand, 10 cu. yds. gravel  
 Vat for cattle = 54 " " " " 4 " " " 8 " " " " "  
 7- Lineal ft. 2" galv. pipe; sump drain  
 4- 2" Elbows  
 3- Wire strainers for drain & sumps  
 4- 2x6x14' Sills  
 5- 4x6x10' Posts  
 2- 2x2x14' Splash boards  
 8- 2x6x14' Rails  
 2- 2x4x10' Cleats  
 18- 1/2x7" Bolts for cleats  
 10 5/8x12" Anchor bolts with nuts and washers  
 1- Drain plug  
 Nails, paint, materials for runs and draining pens not included  
 4" drain tile as required



DETAIL SECTIONS OF SUMP



PLAN SHOWING VAT WITH RUN AND DRAINING PENS

COOPERATIVE EXTENSION WORK IN  
 AGRICULTURE AND HOME ECONOMICS  
**MISS. STATE COLLEGE**  
 AND  
 U.S. DEPT. OF AGRICULTURE COOPERATING

**DIPPING VAT**

USDA EX 5568 SHEET 1 of 1