

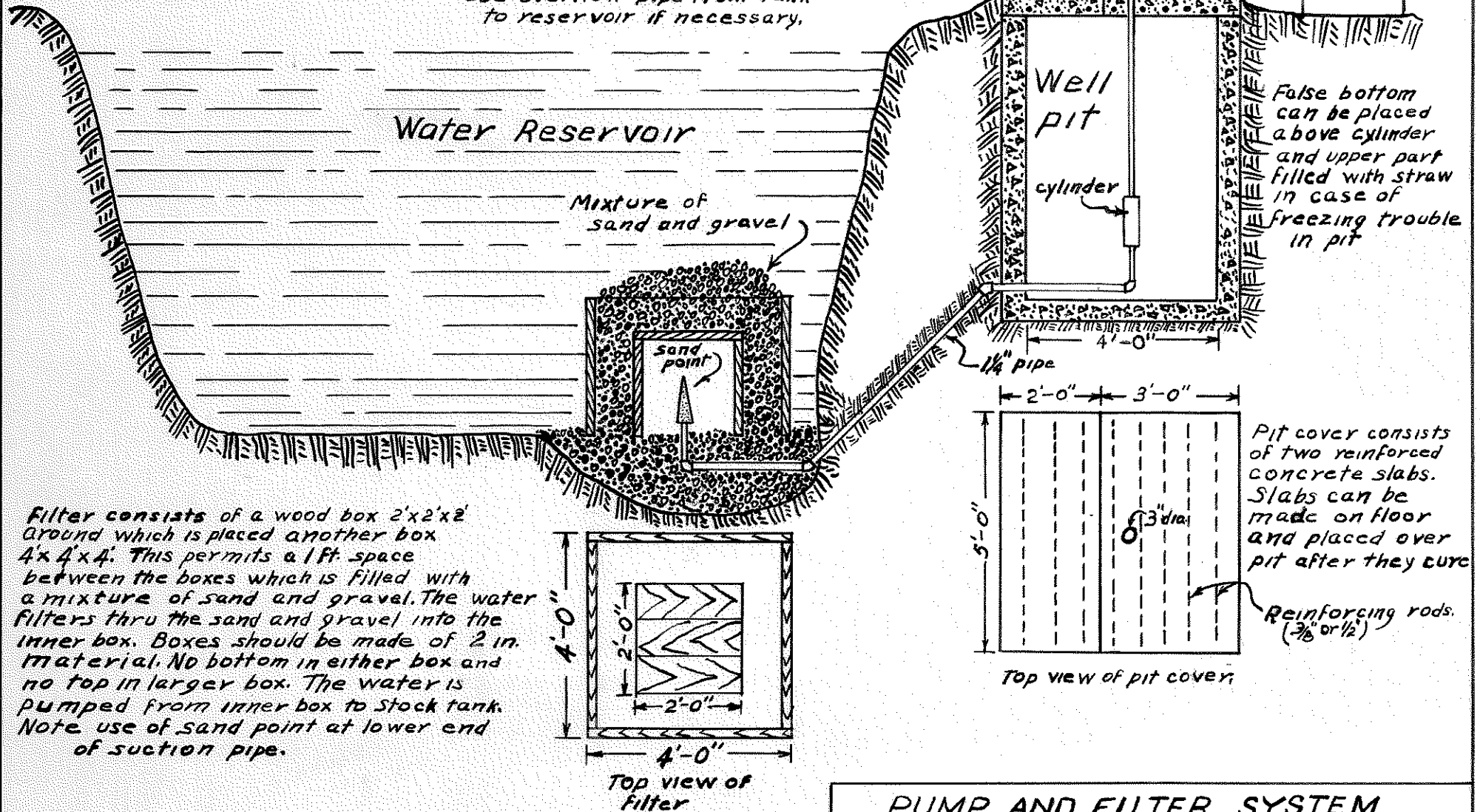
NORTH DAKOTA AGRICULTURAL COLLEGE
 DIVISION OF AGRICULTURAL EXTENSION
 STATE COLLEGE STATION, FARGO, NORTH DAKOTA

H. L. WALSTER - DIRECTOR

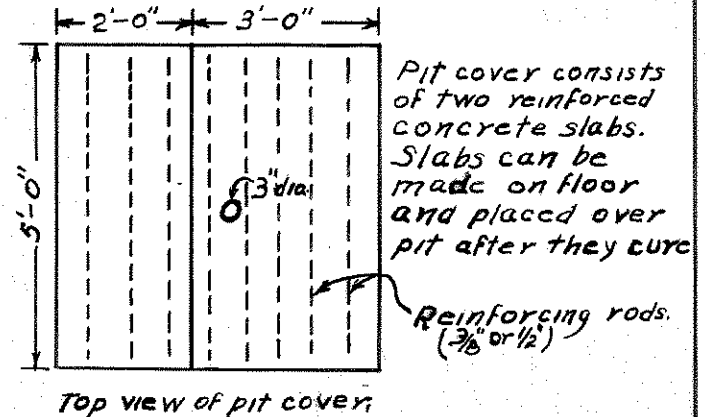
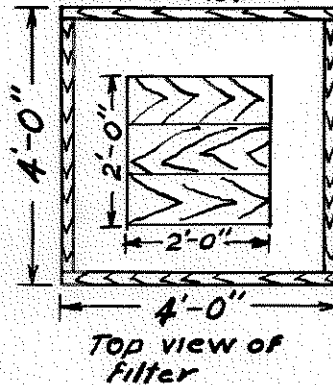
U. S. DEPARTMENT OF AGRICULTURE COOPERATING
 ACTS OF CONGRESS MAY 8, JUNE 30, 1914

The pump pit should be at least 4ft. square and 6ft. deep.
 6 in. concrete wall and 4 in.
 movable concrete slabs.

Use overflow pipe from tank
 to reservoir if necessary,



Filter consists of a wood box 2'x2'x2' around which is placed another box 4'x4'x4'. This permits a 1 ft. space between the boxes which is filled with a mixture of sand and gravel. The water filters thru the sand and gravel into the inner box. Boxes should be made of 2 in. material. No bottom in either box and no top in larger box. The water is pumped from inner box to stock tank. Note use of sand point at lower end of suction pipe.



**PUMP AND FILTER SYSTEM
 FOR FARM WATER RESERVOIR**
 PLAN NO. ND.B553-1-1/2 Drawn by C.L.H. Sept 1931