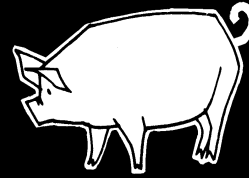




BRITISH
COLUMBIA

Ministry of Agriculture, Food and Fisheries

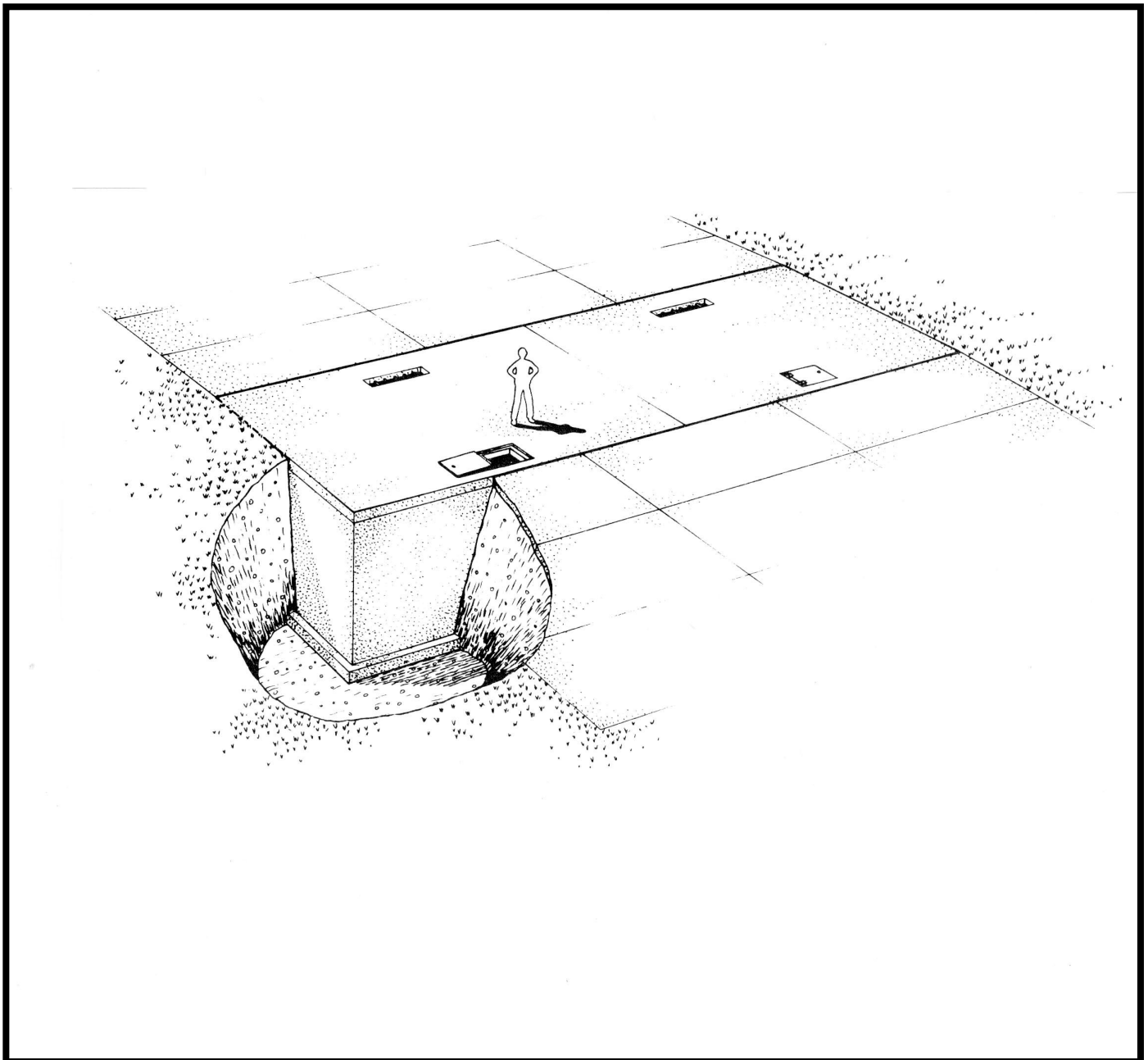
Agricultural Building Systems Handbook



PLAN

383-12

LIQUID MANURE STORAGE TANK – 20 FT. WIDE



DEVELOPED BY CANADA PLAN SERVICE

383-12

LIQUID MANURE STORAGE TANK – 20 FEET WIDE

CPS
PLAN 1171

Liquid manure storage, handling and spreading is becoming increasingly popular as a convenient manure handling system. It adapts readily to swine, dairy, beef, poultry or practically any confinement livestock operation.

Plan 383-12 is a 20-foot wide reinforced concrete tank of variable length and depth to provide a variety of sizes. Convenient capacity tables accompany the plan for easy reference for size requirements. The plan shows details of reinforcing and construction for walls, top supporting beams, and floor. The top is designed to take the load of livestock or a farm tractor and spreader.

Access hatches are provided for scraping in the tank and for pumping out. A high capacity commercial manure pump is recommended for agitation and

emptying the tank for most types of livestock manure. It is recommended that the tank be built in compartments not exceeding 30 to 40 feet in length to be within the limits of the pump for agitation and cleaning.

For most locations it is recommended (and may be compulsory) to provide four to six months storage to avoid winter spreading. A table on sheet 2 of the plan provides an estimate of manure storage requirements for various classes of livestock. For a more detailed listing of livestock manure production, refer to the Canadian Code for Farm Buildings.

Obtain *approval from local authorities* when planning any improvements to manure systems and livestock housing.