Amount of tile and size of pit will depend on nature of soil.

Sink Screen

1 1/2" Pipe 2

Trap With Cleanout

Make filter about 3' square and 3' high. Fill with sand and gravel as fine as will let heaviest rain pass thru without overflowing.

Rain switch

Filter should not be used during freezing weather.

Removable cover

Deflector board

Cistern

Sewer or Drain Tile (Open Joints)

Insulation 2

5" Sand
Charcoal
Gravel

4" Sewer Tile (Cemented Joints)

Stone Filled Pit

North Dakota Agricultural College
Division of Agricultural Extension
State College Station, Fargo, North Dakota

H.L. Walster – Director
US Department of Agriculture Cooperating
Acts of Congress, May 8, June 20, 1916

Kitchen Sink Installation

Plan No. ND.3511-4-W
March 1931
THE KITCHEN FORCE PUMP

A - Sink and Drain Board
B - Bracket Force Pump
C - Trap for Sink
D - Drain from Sink
E - 1" Galvanized Pipe
F - 3/4" Three Way Cock
G - 1" Elbow
H - 1 1/4" Bushing
The Kitchen Pitcher Pump

- Sink and Drain Board
- Pitcher Pump
- Trap and Clean Out Plug for Sink
- Drain from Sink
- Galvanized 1" Pipe
- 1" Elbow

Fig-2