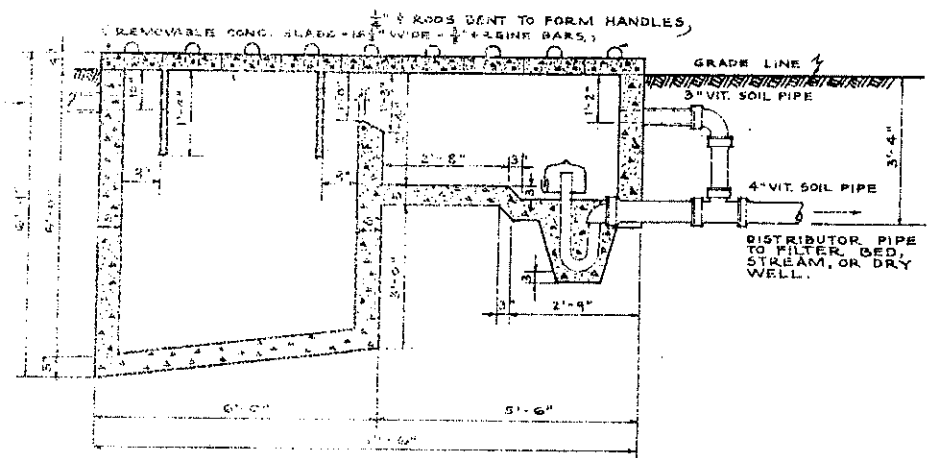
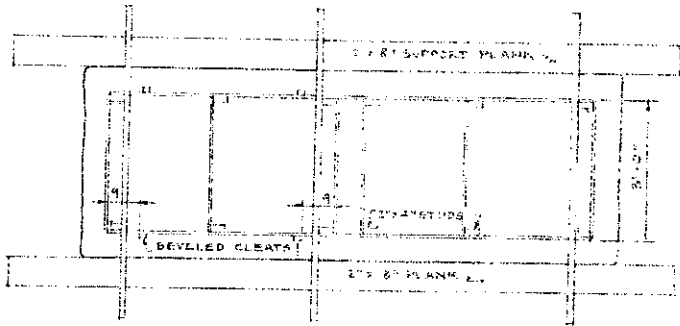
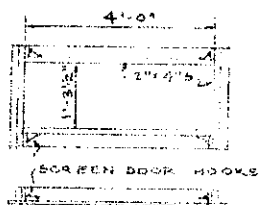
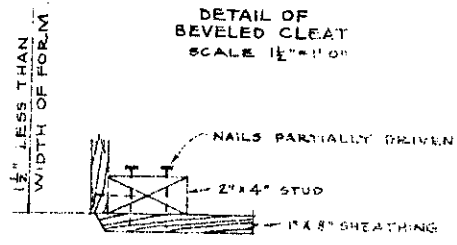
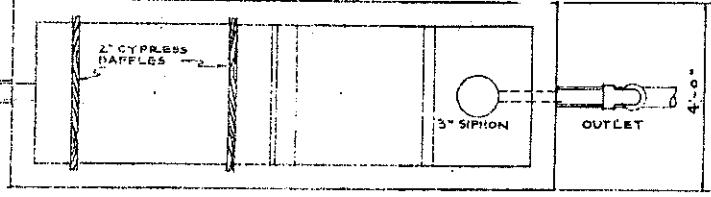
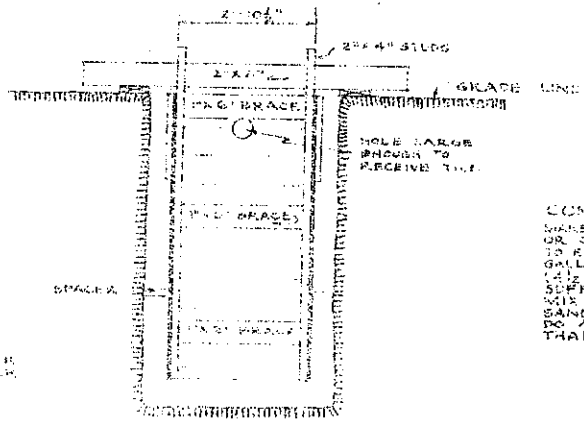
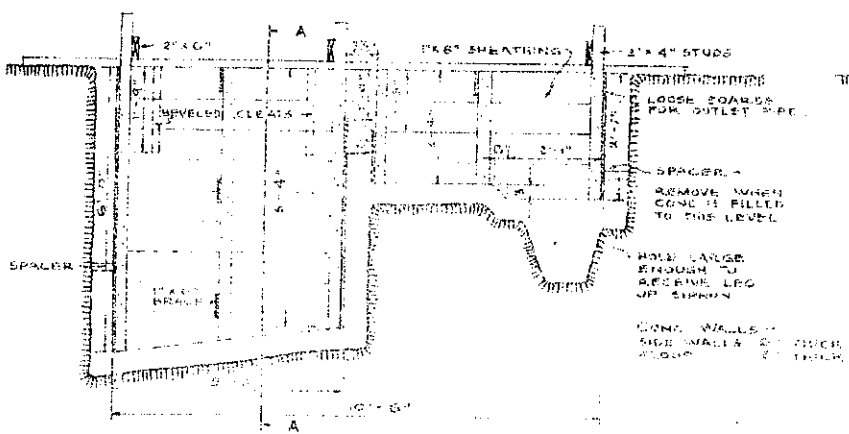


A SEWER - 4" VITRIFIED SOIL PIPE - JOINTS WELL GROUTED AND CEMENTED. SLOPE 1" IN 4'-0". IF LINE IS NEAR TREES USE 4" CAST IRON PIPE

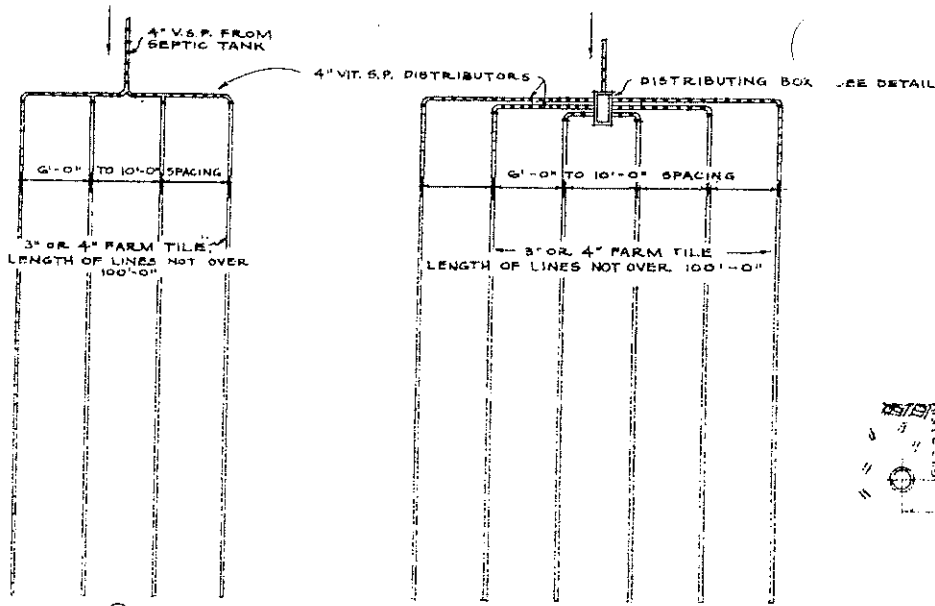


NOTE:
LOCATE SEPTIC TANK 50'-0" TO 100'-0" FROM HOUSE. A GREASE TRAP MUST BE PROVIDED FOR KITCHEN WASTE TO INSURE PROPER FUNCTIONING OF SEPTIC TANK AND FILTER BED. GREASE IN TRAP SHOULD BE SKIMMED EVERY TWO MONTHS.



CONCRETE PROPORTIONS -
MAKE CONCRETE FROM SOUND CLEAN SAND AND GRAVEL OR CRUSHED ROCK NOT EXCEEDING 1" IN SIZE. TO EACH SACK (44#) OF CEMENT ADD NOT OVER 5 1/2 GALLONS OF WATER IF AGGREGATE IS VERY DRY. (2 1/2 GALS. IF MOIST OR 3 3/4 IF VERY WET). WITH SUFFICIENT AGGREGATE TO MAKE A SMOOTH PLASTIC MIX. AS A TRIAL MIX USE 1 PART CEMENT, 2 PARTS SAND, 3 PARTS GRAVEL OR CRUSHED ROCK. DO NOT VARY AMOUNT OF WATER PER SACK FROM THAT GIVEN.

COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS
STATE OF NORTH DAKOTA
NORTH DAKOTA AGRICULTURAL COLLEGE
AND
U. S. DEPT. OF AGRICULTURE COOPERATING
EXT. AGR'L ENGINEER - FARGO, N. DAK.
DOUBLE CHAMBER SEPTIC TANK
MIDWEST 85112-33 EX. 5406 SHEET 1 OF 2



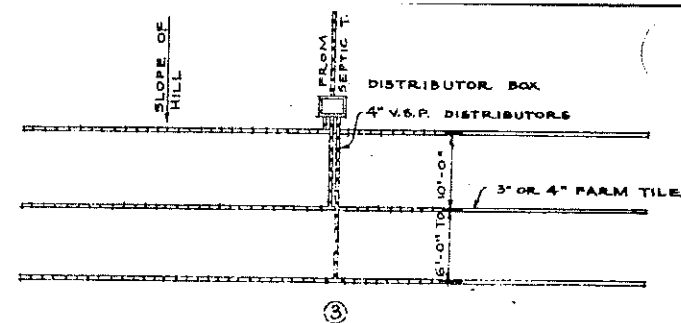
DISTRIBUTING SYSTEM USED WITH SANDY POROUS SOIL

DISTRIBUTING SYSTEM USED WITH LESS POROUS SOIL

SUB-SURFACE IRRIGATION SYSTEM FOR LEVEL GROUND

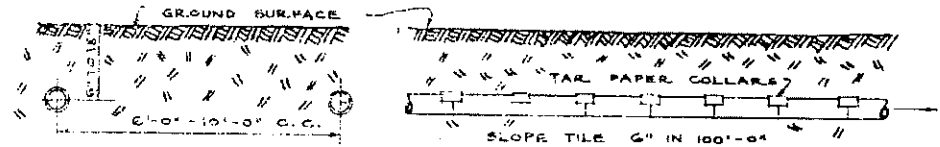
SCALE $\frac{1}{8}" = 1'-0"$

NOTE - LENGTH OF TILED RUNS IN DISTRIBUTING SYSTEM DEPENDENT UPON SOIL CONDITIONS. RECOMMENDED LENGTH - 20-60 FEET PER PERSON

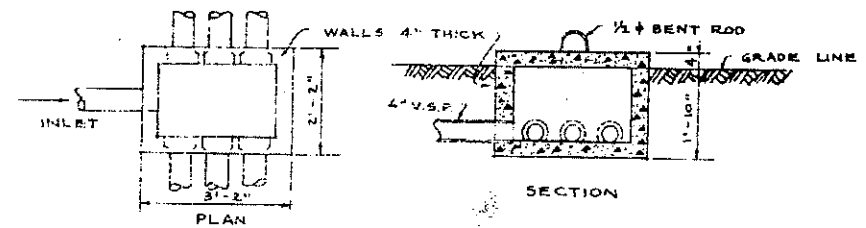


SUB-SURFACE IRRIGATION SYSTEM FOR SIDE HILL

SCALE $\frac{1}{8}" = 1'-0"$



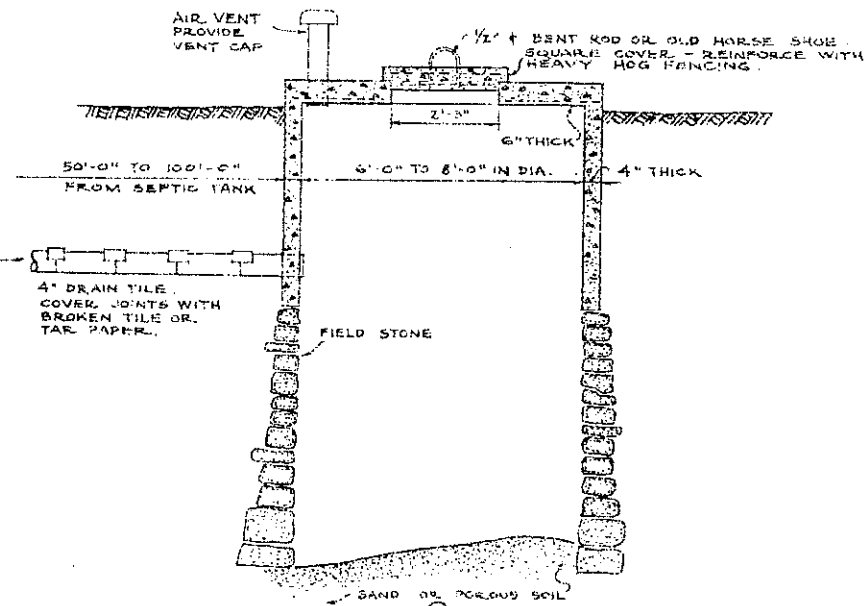
DETAIL OF TRENCHING SYSTEM IN POROUS SOIL



DISTRIBUTING BOX

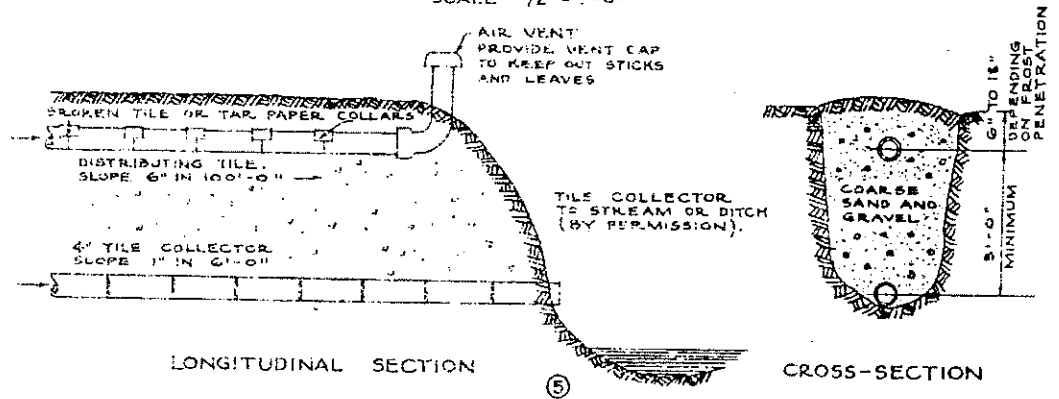
DETAILS FOR SUB-SURFACE IRRIGATION SYSTEM

SCALE $\frac{1}{2}" = 1'-0"$



DRY WELL - OPTIONAL METHOD

SCALE $\frac{1}{2}" = 1'-0"$



DISTRIBUTING SYSTEM FOR VERY TIGHT CLAY SOIL

SCALE $\frac{1}{2}" = 1'-0"$

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 EXT. AGR'L. ENGINEER-FARGO, N.DAK.
SEPTIC TANK
 MIDWESTERN 213-33 EX. 5408 SHEET 2 OF 2