

1963

ORDINANCE # VI

SANITATION ORDINANCE  
WEST BRADFORD TOWNSHIP  
CHESTER COUNTY  
PENNSYLVANIA

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SANITATION ORDINANCE

WEST BRADFORD TOWNSHIP  
CHESTER COUNTY, PENNSYLVANIA

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' IN PURSUANCE OF THE POWERS CONFERRED BY SUBSECTIONS' XII, XXVII, XXIX OF SECTION 702 OF THE SECOND CLASS TOWNSHIP CODE AND IN ORDER TO SAFEGUARD THE HEALTH, COMFORT AND SAFETY OF THE CITIZENS BY REGULATING SEWAGE DISPOSAL AND WATER SUPPLY, THE BOARD OF SUPERVISORS OF THE TOWNSHIP OF WEST BRADFORD, CHESTER COUNTY, PENNSYLVANIA, HEREBY ENACTS AND ORDAINS:

AN ORDINANCE TO PROVIDE FOR THE PROTECTION OF PUBLIC HEALTH; REGULATING THE INDIVIDUAL WATER SUPPLY AND SEWAGE DISPOSAL SYSTEMS WITHIN THE TOWNSHIP OF WEST BRADFORD, CHESTER COUNTY, PENNSYLVANIA; ESTABLISHING MINIMUM STANDARDS GOVERNING THE DESIGN, CONSTRUCTION, AND INSTALLATION OF SEPTIC TANK SOIL ABSORPTION SYSTEMS; PROVIDING FOR THE SUBMISSION AND APPROVAL OF PLANS AND SPECIFICATIONS FOR THE CONSTRUCTION OR RECONSTRUCTION OF FACILITIES FOR PROVIDING OF WATER AND THE DISPOSITION OF SANITARY SEWAGE AND WASTE; PROVIDING FOR THE PREVENTION OF CONTAMINATION OF WATER SUPPLY FROM SEWAGE DISPOSAL SYSTEMS AND ESTABLISHING RULES AND REGULATIONS WITH RESPECT TO SEWAGE DISPOSAL SYSTEMS AS TO SAFEGUARD THE HEALTH OF OCCUPIER'S OF PROPERTY AND THE COMMUNITY AT LARGE; PROVIDING FOR ANNUAL REGISTRATION OF CLEANERS OF SANITARY DISPOSAL FACILITIES; PROVIDING FOR REGISTRATION OR PERMIT FEES; PROVIDING FOR LISTING OF PREMISES WITHIN THE TOWNSHIP WHERE SEWAGE DISPOSAL OPERATIONS WILL BE CONDUCTED; PROVIDING FOR MEANS AND REQUIREMENTS FOR DISPOSING OF SEWAGE WITHIN THE TOWNSHIP BY CLEANERS OF SANITARY DISPOSAL FACILITIES; PROVIDING FOR THE CONTROL OF THE DUMPING OF SEWAGE, GARBAGE, TRASH AND OTHER REFUSE WITHIN THE TOWNSHIP AND ESTABLISHING WITHIN THE TOWNSHIP, PROCEDURES AND CONTROLS OF SUCH DISPOSAL REQUIRING SANITARY LAND FILL OPERATION FOR THE DUMPING WITHIN THE TOWNSHIP OF GARBAGE, TRASH, SEWAGE OR OTHER REFUSE AND CONTROLS AND PROHIBITIONS WITH REGARD THERETO; PROVIDING FOR THE COVERING OF TRUCKS AND OTHER VEHICLES WHICH USE TOWNSHIP ROADS, WHILE TRANSPORTING GARGABE, TRASH, RUBBISH, SEWAGE OR OTHER REFUSE; PROHIBITING THE DISCHARGE OF GARBAGE, TRASH, SEWAGE OR OTHER REFUSE UPON PUBLIC ROADS OR PRIVATE PROPERTY WITHIN THE TOWNSHIP; AND PROVIDING FOR THE ENFORCEMENT OF THE PROVISIONS THEREOF AND THE PENALTIES FOR VIOLATION;

The Board of Supervisors of West Bradford Township do hereby enact and ordain as follows:

## SECTION 1.

### DEFINITIONS

- 1.1 For the purposes of this ordinance, the following words and phrases shall have the meaning as herein ascribed.
- 1.1.1 Cesspool - a covered pit into which raw sewage is discharged.
- 1.1.2 Distribution Box - a concrete box for the purpose of equally distributing the septic tank effluent to the absorption field.
- 1.1.3 Dumping - the placing of garbage, trash, rubbish and other refuse upon the surface of the ground.
- 1.1.4 Incineration - shall mean the disposing of garbage, trash, rubbish and other refuse by burning on a commercial basis.
- 1.1.5 Permit - shall mean a written permit issued by the Sanitation Officer, permitting the construction of an individual sewage disposal system under this ordinance.
- 1.1.6 Person - shall mean any institution, public or private corporation, individual, partnership, or other entity.
- 1.1.7 Property Line - the line separating two properties in separate ownership or a street right of way line.
- 1.1.8 Rubbish - shall mean any waste, refuse, broken matter, trash or other disposable material.
- 1.1.9 Sanitary Sewage - shall mean any domestic, industrial, commercial lavatory, water closet, washer or sink waste disposed of by means of sewers.
- 1.1.10 Sanitation Officer - shall mean the legally designated authority of West Bradford Township or his authorized representative.

- 1.1.11 Seepage Pit - a covered pit with open jointed lining through which the septic tank effluent may seep or leech into the surrounding porous soil.
- 1.1.12 Septic Tank - shall mean a steel or concrete tank with baffle to separate the solids from the raw sewage and digest these solids by anaerobic means.
- 1.1.13 Sewage Disposal System - shall mean a sewage disposal system, other than a public or community system, which receives either human excreta or liquid waste or both from one or more premises.
- 1.1.14 Tile Field - a series of absorption trenches not over thirty-six (36) inches in depth for the purpose of disposing of septic tank effluent through ground absorption.
- 1.1.15 Township Engineer - shall mean the legally designated Engineer of West Bradford Township or his authorized representative.
- 1.1.16 Water Supply - shall mean any source of water used for domestic purposes.

## SECTION 2.

### MINIMUM REQUIREMENTS

- 2.1 Requirements set forth in this Ordinance are minimum requirements and should the conditions so require in the opinion of the Board of Supervisors or the Township Engineer, the Board of Supervisors may require such optional and/or such additional facilities as they may deem necessary or proper for adequate sanitation and safeguard of health under the particular circumstances.

## SECTION 3.

### PERMITS AND FEES

- 3.1 Permits - No facility for the disposal of Sanitary Sewage, nor the obtaining of water supply shall hereinafter be installed, constructed or reconstructed without first having obtained a permit for same.
- 3.2 Plans - There shall be submitted with all applications for sewage and water permits sufficient plans, specifications and other information to describe the location, type of system and proposed disposal system showing its relation to and distance from adjoining facilities, properties, buildings and any streams or creeks or water supply together with ground conditions percolation tests and the size and type of structure or dwelling to be serviced and all other information as may be necessary or proper to determine the adequacy of the water and sewage system and its compliance with the conditions of this Ordinance.
- 3.3. Fees
  - 3.3.1 Sanitation Fee - There shall be a fee of \$15.00 paid to the Township for each application, at the time of filing, to defray the expenses of administration and inspection.
  - 3.3.2 Water Fee - There shall be a fee of \$5.00 paid to the Township for each application, at the time of filing, to defray the expenses of administration and inspection.
  - 3.3.3 Industrial Fee - There shall be an additional charge for all schools, commercial and industrial buildings sufficient to reimburse the Township for the actual expense incurred review, inspections and approval of satisfactory sewage disposal and/or water supply system.

## SECTION 4.

### INSPECTION

- 4.1 All sewage disposal systems and water supply systems will be inspected by the Board of Supervisors, the Township Sanitation Officer or other authorized representative of the Township, as many times during the construction as the inspecting officer deems necessary to be certain that the system is constructed in accordance with the requirements of this Ordinance.

SECTION 5.

SEWAGE DISPOSAL REGULATION

- 5.1 The following requirements shall apply to all sewage disposal systems hereinafter affected or installed.
- 5.1.1 No Raw Sewage, septic tank effluent, or seepage from a soil absorption system shall be discharged to the surface of the ground, or ground surface water, nor shall it be discharged, except as hereinafter provided, into any rock formation, the structure of which is not conducive to purification of water by filtration.
- 5.1.2 Schools, commercial and industrial installations and existing trailer courts may in particular be subject to additional requirements.
- 5.1.3 No installation of individual sewage disposal systems shall be made in low areas or areas which may be subject to flooding.
- 5.1.4 In areas with high ground water table or where limestone or any geological formation similarly faulty is covered by less than fifty (50) feet of earth, the final disposal unit shall be a tile field. The bottom of the trenches shall be above the water table and at least two (2) feet above the surface of the faulty rock formation.
- 5.2 Construction - All sanitary sewage must be disposed of through a properly designed septic tank system with the effluent discharging into a sub-surface disposal field or seepage pit. Basement, roof or footing drainage shall not enter any part of the sewage disposal system.
- 5.2.1 Sewers - All sewer lines shall be lead joint cast iron or cement asbestos pipe.
- 5.2.2 Septic Tank - All systems shall employ a septic tank or battery of tanks having not less than a total of 750 gallon capacity. The tank shall be designed for cleaning but in no case shall it be vented.
- a. Minimum distance of Septic tank
- |                            |         |
|----------------------------|---------|
| Property line              | 10 feet |
| Occupied bldg.             | 10 feet |
| Buried Water Pressure Pipe | 10 feet |
| Domestic Water Supply      | 50 feet |
| Buried Water Suction Pipe  | 50 feet |

- b. Septic Tank Capacity - shall provide a sewage detention period of not less than twenty-four (24) hours in the tank. Sewage flow shall be computed according to types of establishment and water use. With sewage flows greater than one thousand five hundred (1,500) gallons per day, the liquid tank capacity shall equal one thousand one hundred twenty-five (1,125) gallons plus seventy-five (75) per cent of the daily anticipated sewage flow.

Minimum Residential Capacities

<u>No. of Bedrooms</u>	<u>Minimum Tank Capacity</u>
2 or less	750 gallons
3	900 gallons
4*	1000 gallons

\* For each additional bedroom add 250 gallons

- c. Inlet and outlet connections of the tank and of each compartment thereof shall be submerged by means of vented tees or baffles. The inlet baffle or submerged pipe shall extend below liquid level at least six (6) inches. The outlet baffle or submerged pipe shall extend below the liquid surface not less than twelve (12) inches. The inlet invert shall be a minimum of three (3) inches above the level of the outlet invert.
- d. Access to each compartment of the tank for inspection and sludge removal shall be provided by a manhole of at least twenty (20) inch dimension or removable cover.
- e. If the septic tank has more than one compartment, the first compartment shall have a liquid capacity equal to at least one-half (1/2) of the total liquid capacity.

5.2.3 Subsurface Disposal Field - The effluent from the septic tank shall be discharged to an absorption field through a water tight line with a grade of at least 1/4 inch per foot.

- a. The disposal field shall be located in an unobstructed and unshaded area.

- b. Minimum distance of disposal field
- |                   |          |
|-------------------|----------|
| Any water supply  | 100 feet |
| Stream            | 50 feet  |
| Occupied building | 15 feet  |
| Large trees       | 15 feet  |
| Property lines    | 15 feet  |

- c. The septic tank effluent shall be distributed to the tile laterals by means of a distribution box. Each tile line shall be connected separately to the distribution box. The inverts of all outlets shall be at the same elevation.

- d. Percolation tests shall determine the minimum seepage area of each disposal field.

e. Absorption Area Requirements

Percolation Rate (time water to fall one inch)	Private Residence (sq. ft. per bedrm)	Other Establish. Maximum applic. (gal./sq. ft./day)
1	70	5.0
2	85	3.5
3	100	2.9
4	115	2.5
5	125	2.2
10	165	1.6
15	190	1.3
30	250	0.9
45	300	0.8
60	330	0.6

- f. Disposal trench requirements
- |                           |   |
|---------------------------|---|
| Diameter of tile          | 4 inch min.   |
| Number of lines per field | 2 min.  |
| Length of each line       | 100 feet max.   |
| Trench width              | 18 inch min.<br>36 inch max.                          |
| Trench depth              | 18 inch min.<br>36 inch max.                          |
| Trench slope              | 2 inch per<br>100 ft. max.                            |
| Trench spacing            | 5 feet edge<br>to edge                                |
| Filter Material           | 6 inch min.<br>under tile<br>2 inch min.<br>over tile |

- g. Construction of trenches shall be in accordance with the details of Plate A.

5.2.4 Seepage Pits - The effluent from the septic tank shall be disposed of in a seepage pit only when the installation of tile disposal trenches is impractical due to poor percolation in the top mantle and the ground water level, topography, and rock strata will not reduce the safety of surrounding water supplies.

- a. Minimum distance of seepage pit
  - Any water supply 100 feet
  - Occupied building 20 feet
  - Property lines 15 feet
  - Other seepage pits 3 diameters edge to edge
- b. Effective absorption area of seepage pit is the vertical wall area of the impervious strata below inlet. Minimum depth to be equivalent of 10 feet below inlet.
- c. Percolation tests shall determine the required seepage area. Soil strata in which the stabilization rates are in excess of 30 minutes per inch shall not be included in computing the absorption area.
- d. All seepage pits shall have a diameter of at least eight (8) feet.
- e. Construction of seepage pit shall be in accordance with the details of Plate B.

SECTION 6,  
WATER SUPPLY REGULATION

- 6.1 The following requirements shall apply to all water supply systems hereinafter affected or installed.
- 6.1.1 No well shall be located within the foundation walls of any building.
- 6.1.2 All wells hereinafter constructed or drilled, shall be drilled, placed and located so as to be free from all sources of pollution. Wells shall be free from flooding.
- 6.1.3 The source of any water supply facility shall be at least twenty (20) feet below the natural surface of the land, and such source shall not be polluted.
- 6.1.4 No well shall be drilled, constructed or reconstructed for the purpose of disposing sewage, industrial wastes or similar material.
- 6.1.5 All abandoned water supplies must be effectively sealed to prevent contamination of the underground water supply and to eliminate any safety hazards.
- 6.2 Construction - All water supply facilities shall yield a minimum of five (5) gallons of water per minute for each one-family living unit it shall serve, unless, in the opinion of the Township Engineer, such minimum yield cannot reasonably be acquired.
- 6.2.1 Minimum distance of drilled and driven wells
- |                 |          |
|-----------------|----------|
| Storm drains    | 25 feet  |
| Property lines  | 25 feet  |
| Septic tanks    | 50 feet  |
| Disposal fields | 100 feet |
| Seepage pits    | 100 feet |
| Cesspools       | 150 feet |
- 6.2.2 All wells shall be cased to a minimum depth of twenty (20) feet or bedrock and then extended an additional five (5) feet into bedrock or other impervious strata.
- 6.3 Following completion of construction of an individual water supply and installation of the pumping equipment, or alterations, repair or maintenance work, the well shall be pumped continuously until the water discharged is clear

SECTION 7.

SEWAGE DUMPING REGULATION

- 7.1 The following requirements shall apply to Commercial Cleaning and disposition of sewage within the Township.
- 7.1.1 All persons engaged in the business of cleaning septic tanks, privies, cesspools or other sanitary sewage disposal facilities shall register with the Township Sanitation Officer, upon a form provided by him, within thirty (30) day following the effective date of this Ordinance, and annually thereafter, on or before January 31st of each year, and shall pay a registration fee of five (\$5.00) dollars upon each such registration.
- 7.1.2 Such person at the time of such registration, shall furnish the Township Sanitation Officer with the specific location of all sites within the Township whereon the registrant proposes to spread or dump sanitary sewage, and no such person shall spread or dump sanitary sewage upon any site within the Township unless such site shall be approved for such purpose by the Township Sanitation Officer.
- 7.2 Conditions - No sewage shall be spread or disposed of within the Township except under the following conditions.
- a. Sewage may be spread on the ground at places approved as hereinbefore set forth, providing the sewage shall be plowed or disked under within twenty-four (24) hours.
  - b. In the event sewage is spread during freezing weather or when because of rain, snow, hail or other weather condition it is impossible to plow under, line will be spread to cover the sewage until such time as plowing under or covering may be accomplished.
  - c. No sewage shall be spread or otherwise discharged within four hundred (400) feet of any dwelling house, barn or other agricultural, commercial, residential or industrial building or structure, or within one thousand (1,000) feet of any residential subdivision containing four or more dwelling houses.

SECTION 8.  
DUMPING REGULATION

- 8.1 It shall be unlawful for any person to cause, permit or suffer sanitary sewage, garbage, decayed matter, dead animals, rubbish, trash, refuse, or industrial, commercial or household waste to accumulate upon the surface of any property within the Township, or to permit or cause the same to be dumped, spread, spilled, thrown, discharged or otherwise deposited upon or in any road, street, watercourse, public or private property, except in accordance with the provisions herein set forth.
- 8.1.1 Sanitary sewage, garbage, refuse, decayed matter, dead animals, or industrial, commercial or household waste which an individual property owner or occupier accumulates in the usual and normal usage of such property may be dumped or deposited by such individual property owner or occupier upon such person's private property, provided the same be immediately buried and covered with earth.
- 8.1.2 Rubbish and trash which an individual property owner or occupier accumulates in the usual and normal usage of such property may be dumped or deposited by such individual property owner or occupier upon such person's private property, provided the same be harmless to human health or livestock, contain no organic matter, and be out of sight or view from any public highway of the Township or adjacent residence.
- 8.2 Sanitary Landfills may be utilized for the purpose of dumping and disposing of sanitary sewage, garbage, trash, rubbish, and industrial, household and commercial waste.
- 8.2.1 Application. Any person who shall desire to establish a sanitary landfill within the Township shall first make application to the Board of Supervisors, upon forms provided for such purposes, indicating in detail the specific location and topography of the proposed site, the proximity thereto of all buildings, roads and water-courses surrounding the same, and such other pertinent

information as the Board of Supervisors shall require; and no sanitary landfill shall be permitted within the Township unless specifically authorized by the Board of Supervisors.

- 8.2.2 Hours of Operation. No dumping or disposal shall be permitted in any sanitary landfill earlier than eight o'clock A.M. or later than four thirty P.M., prevailing time, nor at any time on Sunday.
- 8.2.3 Depth of Disposal and Cover. Dumping or disposal shall not exceed a depth of six (6) feet prior to the covering thereof, and there shall be applied as cover to such material, at least two (2) feet of earth, which earth shall completely and effectively cover the same; notwithstanding the provisions hereof, all material dumped or discharged in a sanitary landfill shall be covered completely by at least two (2) feet of earth at the close of each day.
- 8.2.4 Burning and Incineration. There shall be no burning or incineration of any material upon or about any sanitary landfill at any time, and fire extinguishing equipment, in good operating condition, shall be maintained upon the premises at all times.
- 8.2.5 Supervision. A supervisory employee shall be upon the premises of a sanitary landfill at all times during the hours of operation.
- 8.3 Incineration by Individuals. Individual incinerators may be used and maintained upon private property within the Township for the sole, private and restricted use and benefit of the individual owner or occupier of such premises, provided that such incinerators shall not cause or emit excessive smoke, odor, dust or dirt.
- 8.4 Transportation of Refuse. All trucks or other vehicles carrying or transporting sanitary sewage, garbage, rubbish, trash or other refuse within the Township shall be covered so as to prevent the same from falling or spilling on or near any roads, streets, watercourses or public or private property in the Township.

SECTION 9.

VALIDITY

Should any Section or provision of this Ordinance be declared by a court of competent jurisdiction to be invalid, such decision shall not affect the validity of the Ordinance as a whole, or any part thereof.

SECTION 10.

PENALTIES FOR VIOLATION

Any person, partnership, corporation or association who shall violate any of the provisions of this Ordinance or who shall hereafter install or cause to be installed any sewage disposal system or water supply in connection with any residence, commercial or industrial property of any kind with West Bradford Township without first having submitted plans to the Board of Supervisors and received approval of such plans from the Board of Supervisors or cause to be installed any disposal system or water supply other than in strict accordance with the conditions and regulations imposed by this Ordinance, shall upon summary conviction before any Justice of the Peace, be liable to fine not exceeding Three Hundred (\$300.00) Dollars, or in default thereof, to imprisonment not exceeding thirty (30) days, and every day of continued use and operation and maintenance of any facilities not in accordance with the terms and conditions of this Ordinance shall be considered a separate offence and subject to penalty or imprisonment as above provided.

SECTION 11.

ENFORCEMENT OFFICER

The Township Sanitation Officer shall be authorized and directed to enforce the provisions of this Ordinance, and shall have the authority to enter in or upon any building or premises within the Township for the purpose of inspection or for the prevention of violations of the provisions of this Ordinance.

SECTION 12.

REPEAL

All Ordinances, or part of Ordinances inconsistent herewith are hereby repealed.

SECTION 13.

EFFECTIVE DATE

This Ordinance shall be and become effective five (5) days after the adoption thereof.

ENACTED AND ORDAINED into an Ordinance by the Board of Supervisors of the Township of  
County of Chester and State of Pennsylvania, this  
day of                      A.D. 1963.

\_\_\_\_\_  
Chairman

ATTEST:

\_\_\_\_\_  
Secretary

WEST BRADFORD TOWNSHIP  
TILE FIELD REQUIREMENTS

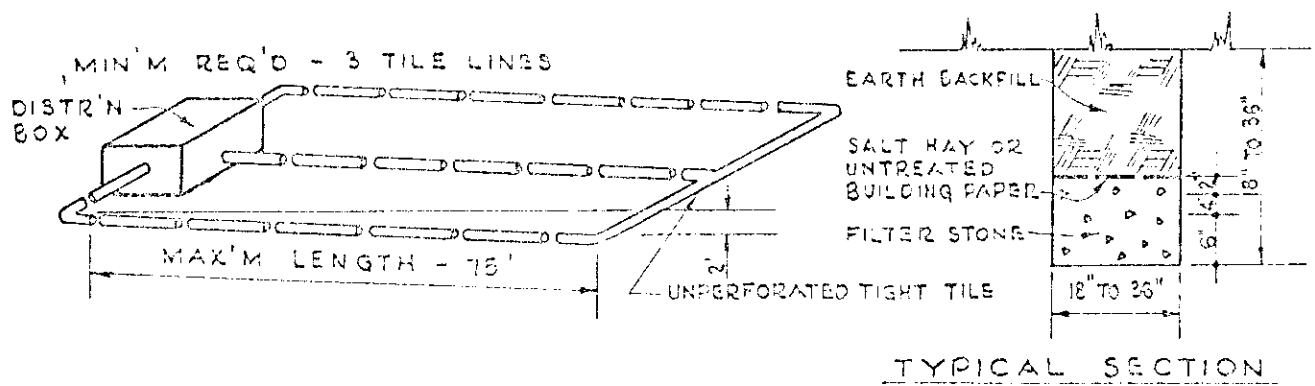
TABLE 3

Based on Percolation Rates	
Average Time Req'd for water to fall one inch in minutes	Required Absorption Area in bottom of trench -- square feet per bedroom.
1 or less	70
2	85
3	100
4	115
5	125
10	165
15	190
30	250
45	300
60	330
Over 60	Unsuitable

TILE FIELD CONSTRUCTION

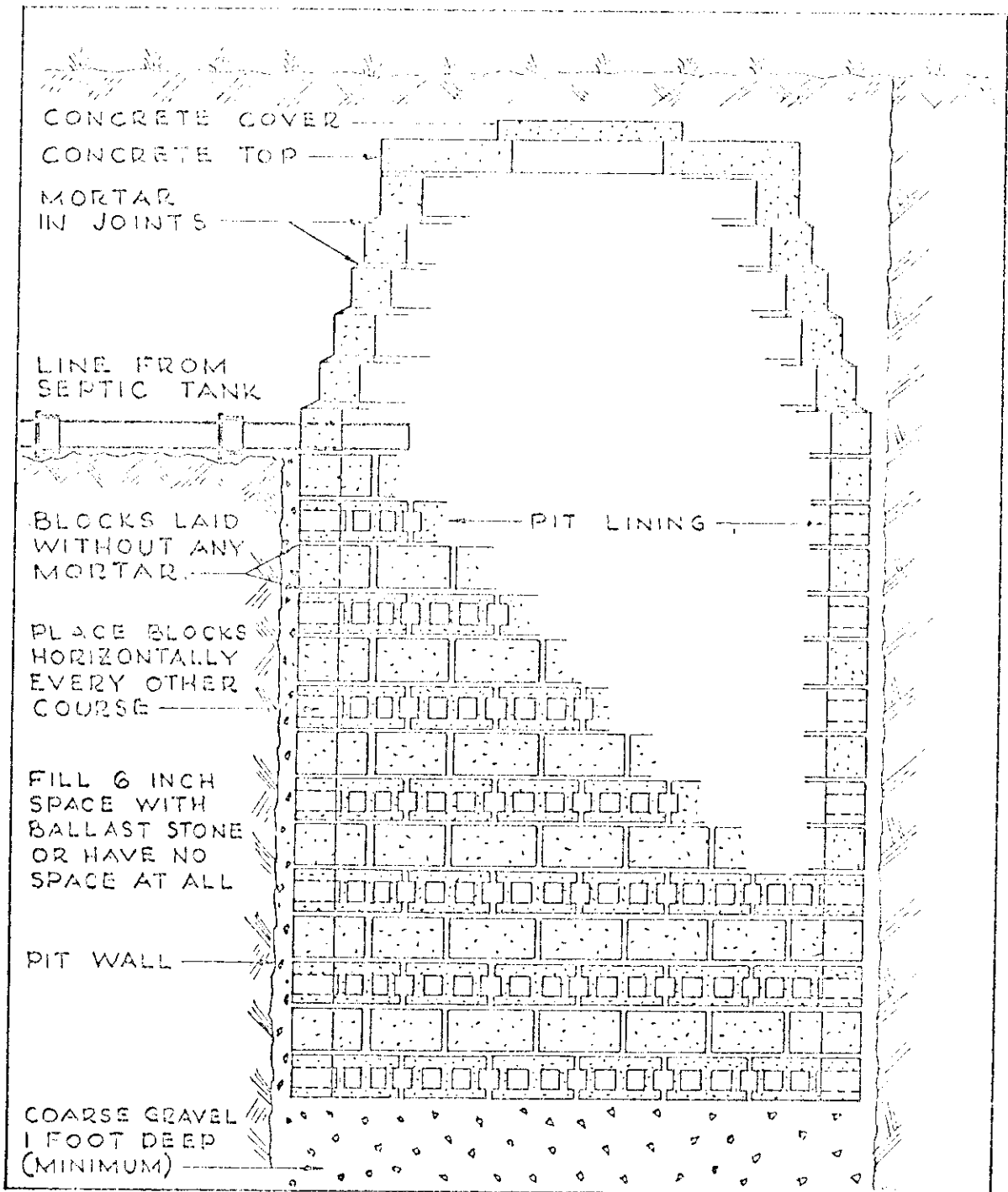
TABLE 4

Diameter of Tile	4 inch min'm
No. of Tiles per Field	3 min'm
Length of each Line	75 ft max'm
Trench Width	18 inch min'm 36 inch max'm
Depth of Lines	18 inch preferred 36 inch max'm
Pitch of Lines	2 inch/75 ft of line
Space between Trenches	6 feet min'm
Filter Material Under	6 inch min'm
Filter Material Over	2 inch min'm



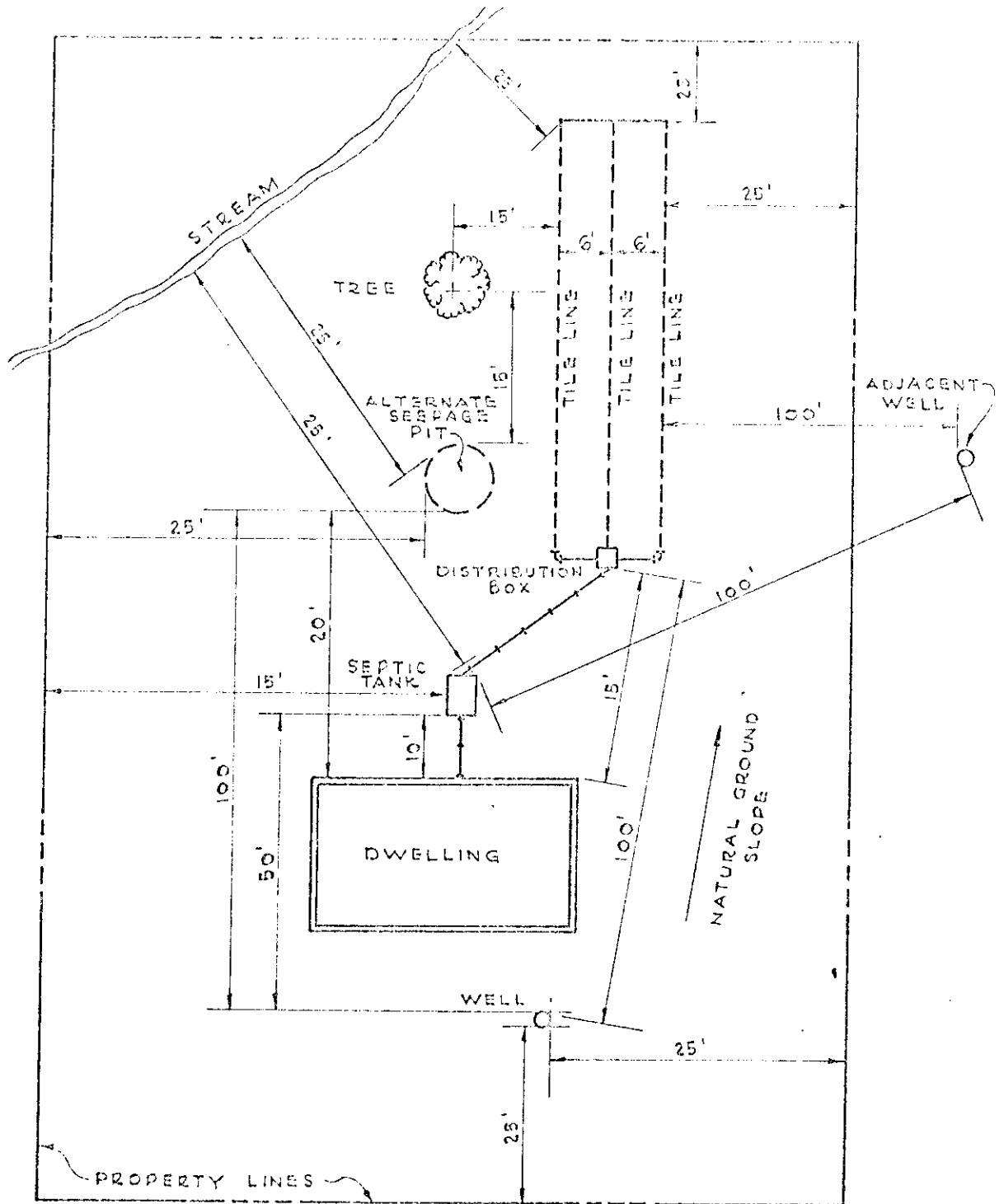
WEST BRADFORD TOWNSHIP

SEWAGE DISPOSAL SEEPAGE PIT



SEEPAGE PIT LINED WITH OPEN JOINT MASONRY FOR DISPOSAL OF SEPTIC TANK EFFLUENT. PITS TO BE USED ONLY WHERE TIGHT SOIL CONDITIONS, LACK OF SPACE OR EXCESSIVELY STEEP TERRAIN MAKES USE OF A TILE FIELD IMPOSSIBLE.

# WEST BRADFORD TOWNSHIP TYPICAL CLEARANCE DISTANCES



NOTE: DISTANCES SHOWN ARE MINIMUM.

PLATE "C"