

PROPOSED  
ADJOINING  
SEPTIC

LOT 21.02

620  
COUNTY  
ATBURY ROAD  
RTE. 643

600

LOT 22  
580

LOT 21

LOT 21.01

PROPOSED  
G 4 BEDROOM  
DWELLING

PROPOSED  
WELL

10' MIN SCH 40 PVC

1000 GAL. ST.

45° ELBOW (Typ.)

CLEAN OUT

DIST. BOX

DISPOSAL BED

LOOP DISTRIBUTION LINES

INSPECTION PORTS  
(Typ.) (See detail)

To be Merged to LOT 21.0201

LOCKING WATERTIGHT COVER  
AS MANUFACTURED BY MODERN  
OR EQUAL.

GRADE AWAY  
FROM MANHOLE

THREADED PLUGS

GROUT  
(Typ.)

24" I.D.  
CONCRETE  
RISER

SCHD. 40 PVC  
INSPECTION RISERS  
(INLET & OUTLET)

OUTLET

SEPTIC  
TANK

INLET

SEPTIC TANK RISER DETAILS

n.t.s.

FINISH GRADE

THREADED COLLAR  
& PLUG

4" Ø PERFORATED  
SCHD. 40

VARIES

INfiltration LEVEL

DISPOSAL FIELD INSPECTION PORT

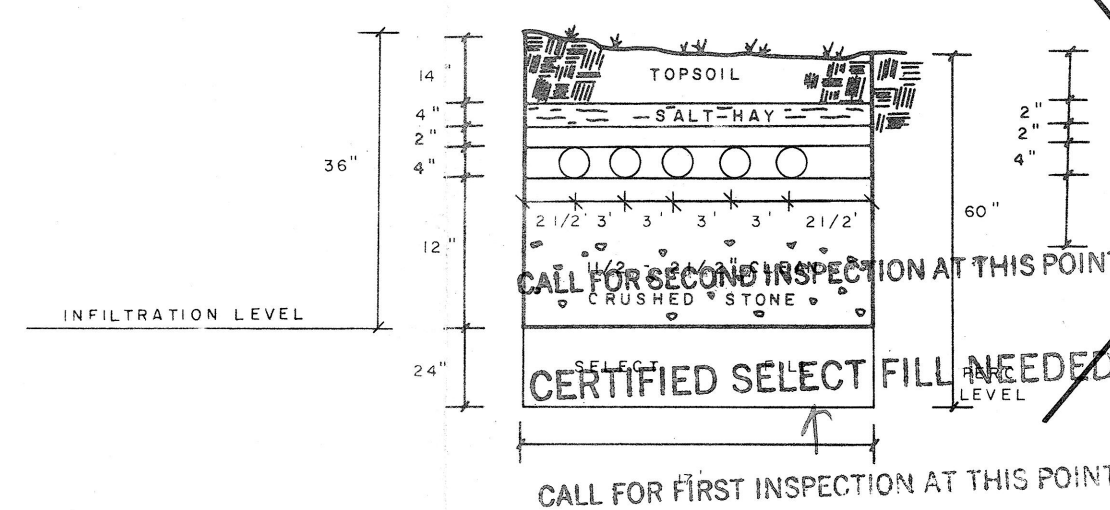
(See plan for locations)

+ DENOTES INSPECTION PORTS



DISPOSAL BED SECTION

TRENCH SECTION



MOUND DETAIL

n.t.s.

CURTAIN DRAIN  
DETAIL

n.t.s.

DESIGN NOTES

- Design is based on 4 Bedroom Dwelling
- With a percolation rate of 15 minutes.
- System is oversized 25%
- 1309 S.F. of percolation area is provided as per Chapter 199 P.L. 1954.

GENERAL NOTES

- All piping to be 4" SCH #40 PVC with a minimum slope of 1" per foot. Piping within disposal area to be 4" perforated PVC with slope of 2" - 4" per 100 feet. 45° maximum bends. Water tight joints. Loop disposal bed distribution lines.
- Septic disposal field is to be oriented along the contours, encompassing the passing percs and soil log.
- Proposed well is to be a minimum of 100 feet from the disposal field and 50 feet minimum to the septic tank. These minimum distances apply not only to the lot in question, but also all adjacent lots.
- Use a precast concrete distribution box - set level to distribute flow equally.
- Area above disposal field shall be graded to divert surface water away from area.
- If as-built septic systems are required, all elements of the system must be left uncovered until they can be accurately located. No location will be provided for elements of the system we cannot see.
- Mound systems require inspection by the design engineer during construction. It is the responsibility of the contractor to notify this office prior to the start of construction and whenever a health department inspection is scheduled.
- Distribution box shall be located within disposal bed.

SELECT FILL NOTES

- Select fill shall meet the requirements of N.J.A.C. 7.9A-10.1f.4 and 5 as follows:  
A. When fill material is utilized within the zone of treatment, thefill shall meet the following requirements:  
1. Coarse fragment content less than 15% by volume or less than 25% by weight.  
Textural analysis (composition, by weight, of size fraction passing the two millimeter sieve): from 85% to 95% sand, from 5% to 15% silt plus clay, minimum 2% clay; and  
Permeability from 2 to 20 inches per hour; or percolation rate from 3 to 30 minutes per inch.  
B. When fill material is placed within the zone of disposal, the fill material shall meet the following requirements:  
1. Textural analysis (composition, by weight of size fraction passing the two millimeter sieve): 85% or more sand; and  
2. Permeability greater than 2 inches per hour or percolation rate faster than 30 minutes per inch.
2. Compaction of select fill to be certified by the engineer per N.J.A.C. 7.9-10.4.
3. On-site permeability test of select fill, per N.J.A.C. 7.9A-6.1, to be performed by engineer. Notify engineer at least two working days prior to installation of select fill.

Deep Soil Log #1

- 0" - 9" Topsoil
- 9" - 50" Red clay and slightly sandy clay
- 50" - 132" Sand and stone

No water; No mottling

Percolation Tests

Hole #	Depth	Rate
P1	60"	1" = 5 min.

This lot was created by minor subdivision and survey prepared under the direct supervision of Robert W. Lee P.L.S., Lic no. 11662.

RECEIVED  
JUN 18 1990  
WARREN COUNTY HEALTH DEPT

APPROVED  
JUN 20 1990

WARREN CO. HEALTH DEPT.

TAX MAP DATA  
SHEET 9 BLOCK 45 LOT 21.03

SEPTIC SYSTEM DESIGN for JOEL REGER in FRANKLIN TOWNSHIP, WARREN COUNTY		
PREPARED BY <i>John H. Kearney</i> JOHN H. KEARNEY, P.E. J.H. KEARNEY, CONSULTING ENGINEERS ROUTE 31 & ANDERSON RD., P.O. BOX 233 - HAMPTON, N.J. 08827	DATE 4-5-90 16345 NJ LIC NO	
DRAWN J.H.K.	TRACED B.S.Z.	CHECKED
SCALE 1" = 50'	JOB NO. 90-003	MAP NO. S-1531

5-16-90	REV. PER W.C.H.D.	J.H.K.
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Date Revision Box Init.