

DESIGN CRITERIA

3 - Bed Rooms x 150 = 450 GPD
1 - 1500 Gallon Compartmented Top Seam Septic Tank
1 - 1000 Gallon Top Seam Pump Chamber
105 Gallon Dose @ 59 GPM
Bed Area - 9' x 42' = 378 sq. ft.
Mound Area - 38.25' x 70.66' = 2702 sq. ft.

SOILS TEST

T2A - Sandmound Depth 14" - 60 Min.
T2B - Sandmound Depth 12" - 30 Min.

SPECIFICATIONS

Tank measurements and elevations are based on septic tanks and pump chambers as manufactured by Mayer Brothers, Elkridge, Md. (410) 796-1434.

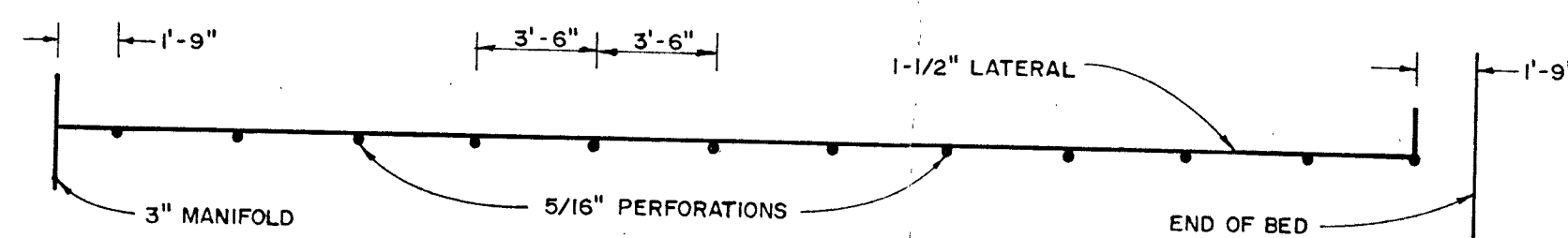
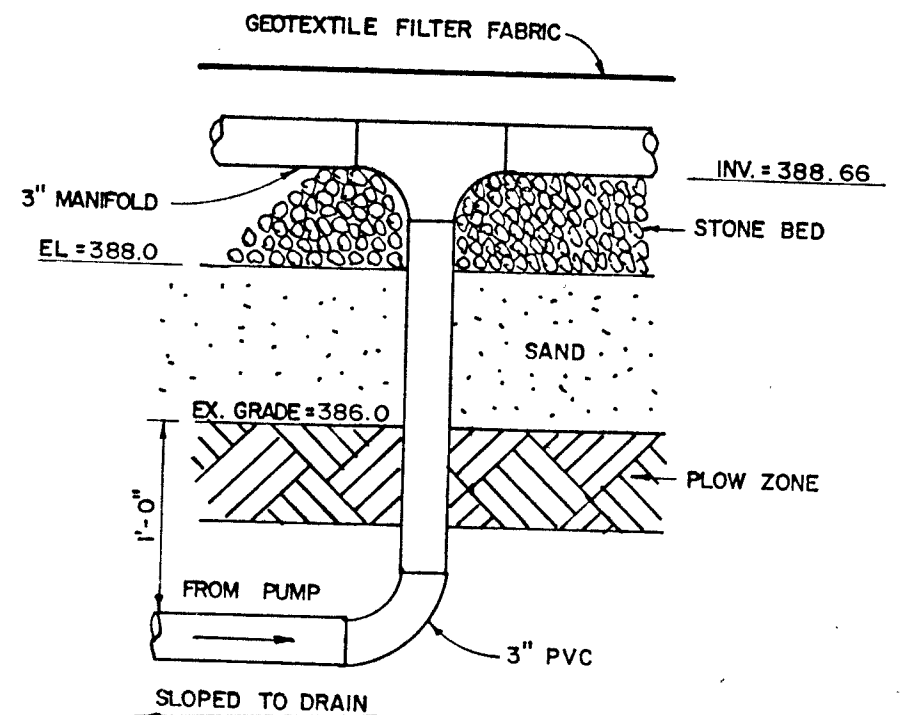
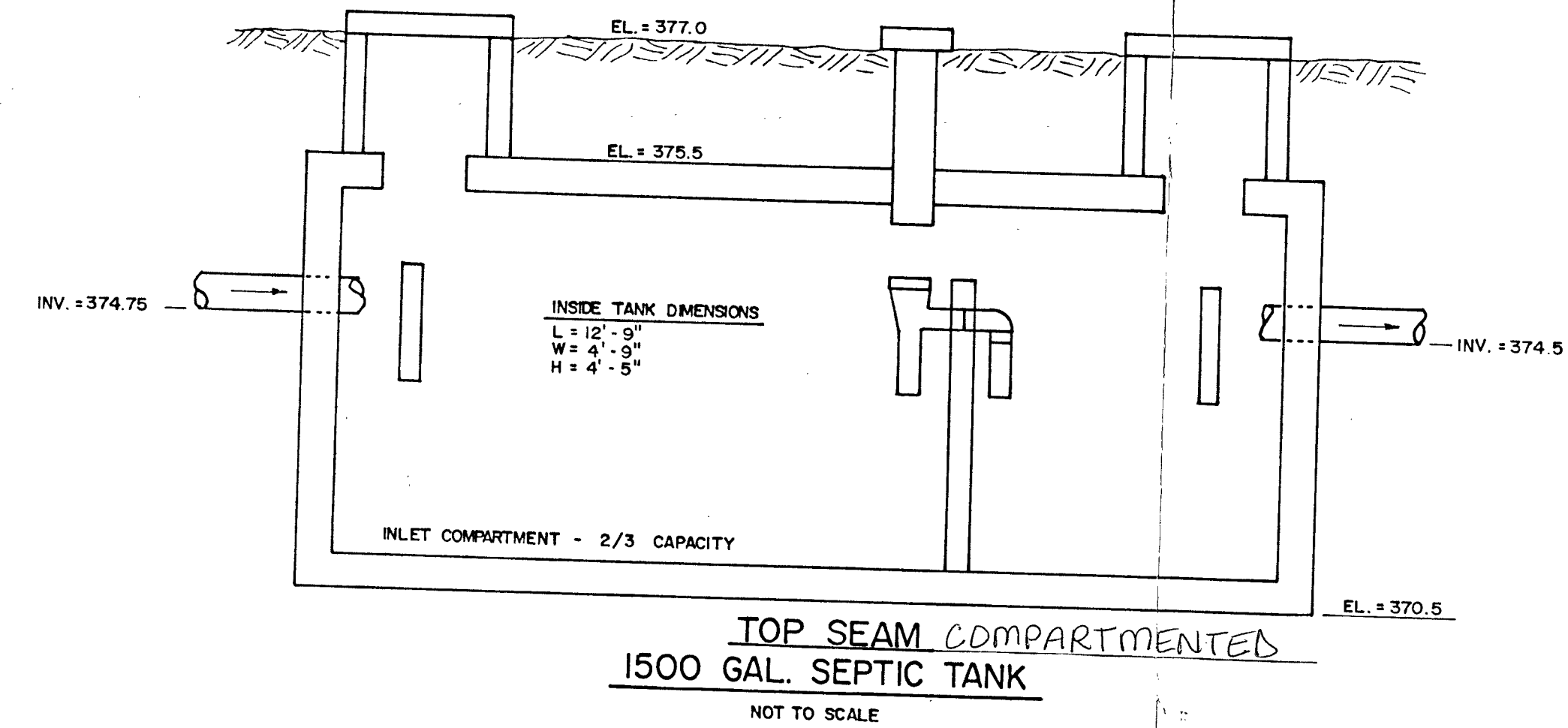
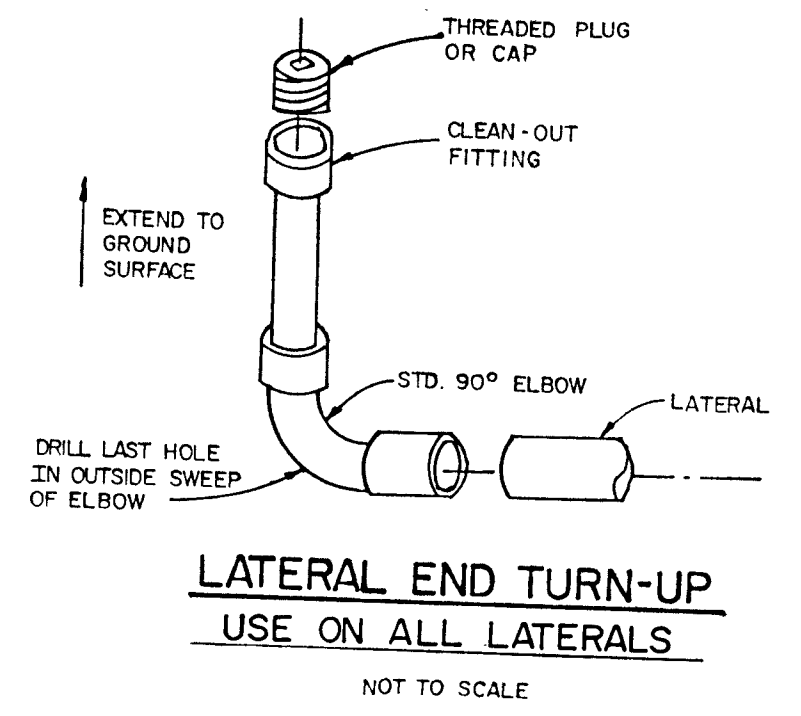
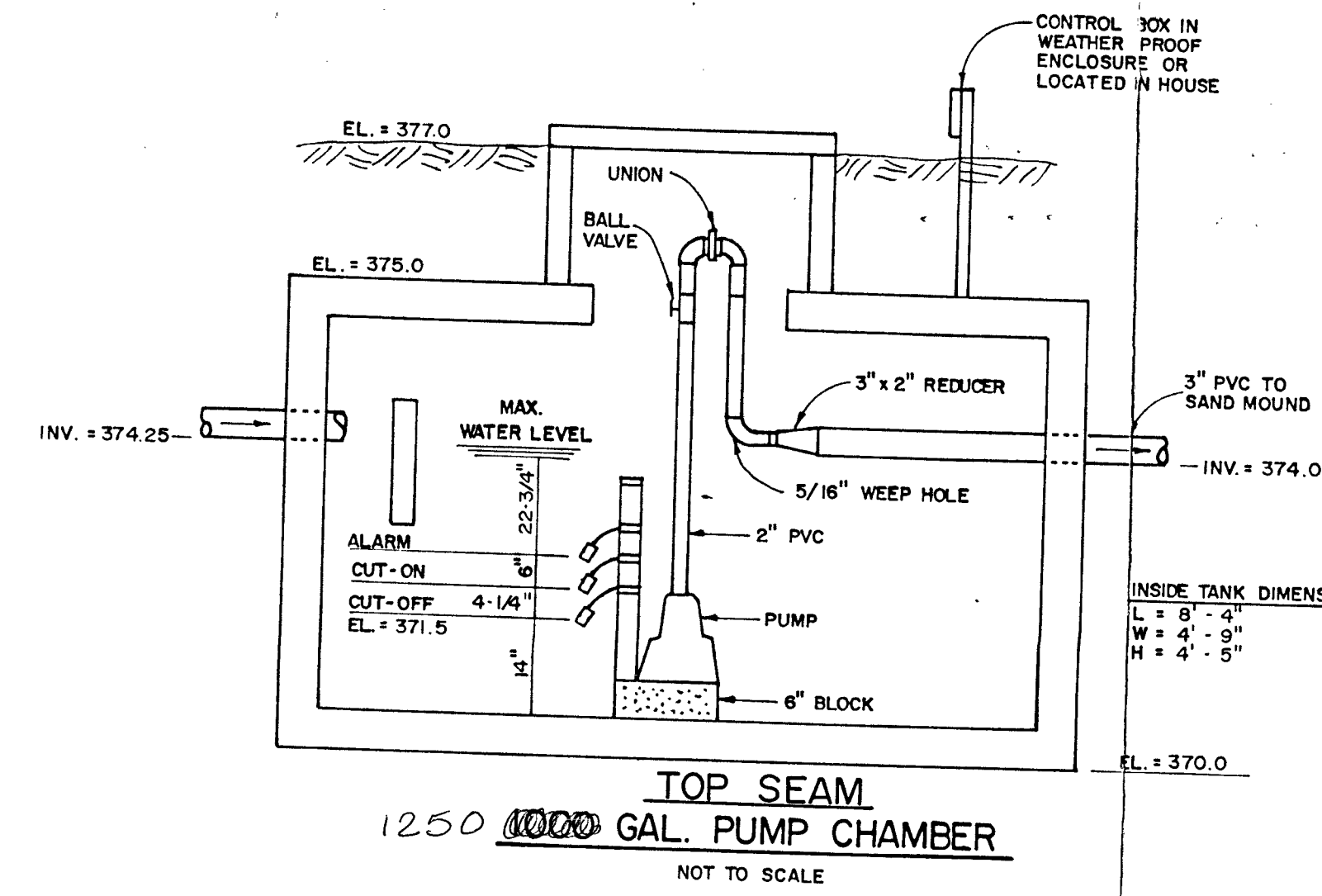
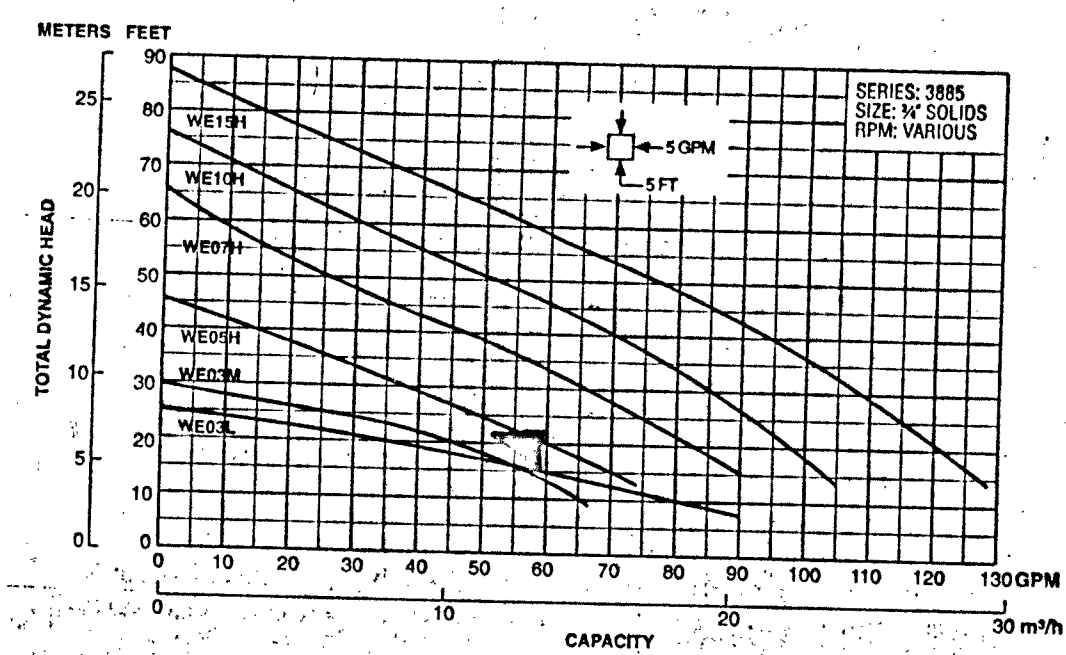
All piping to be schedule 40 PVC of sizes shown.

The force main from the pump chamber to the sand bed is to be installed with a continuous slope back to the pump chamber to assure complete drainage following each pump cycle.

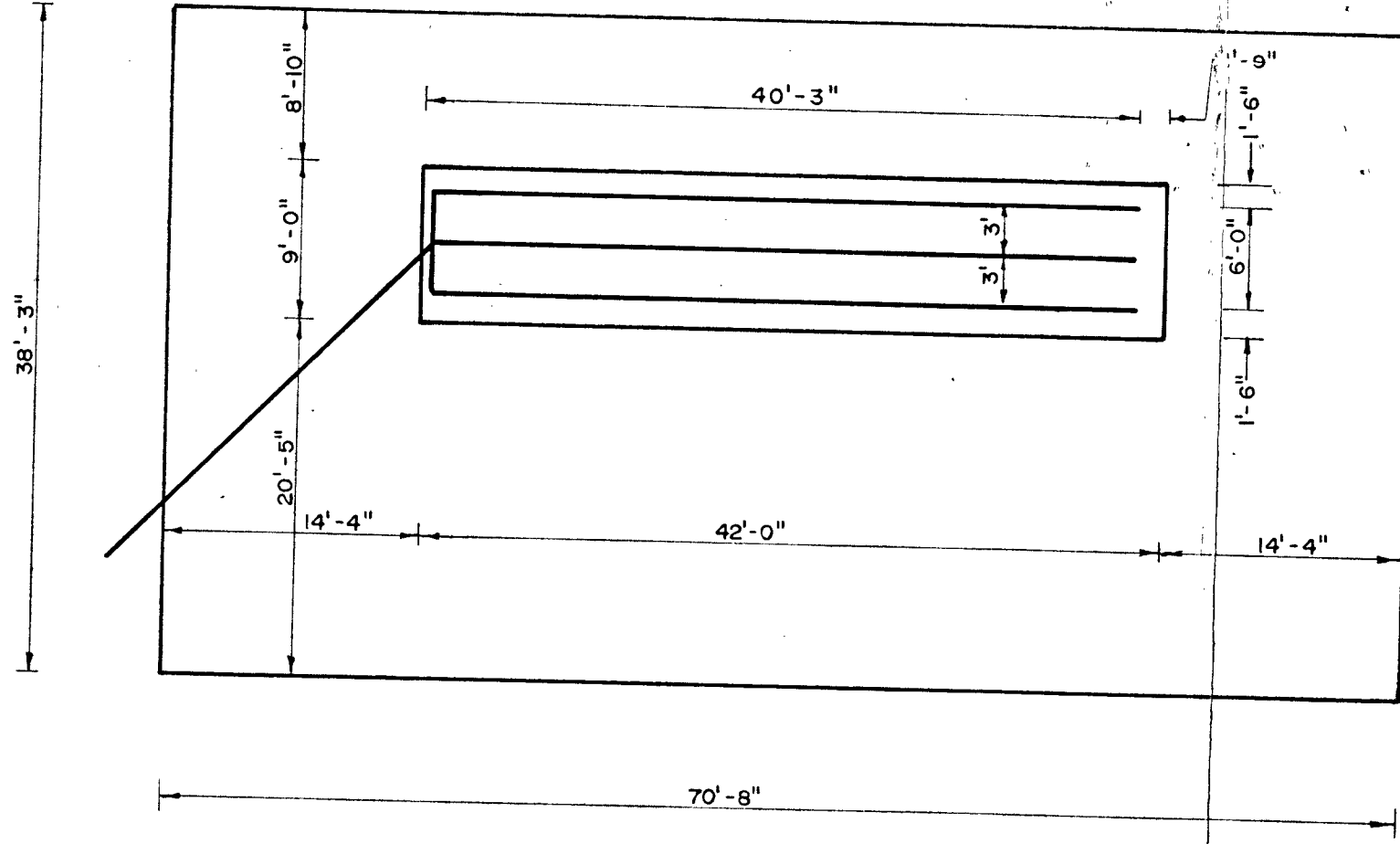
A submersible pump to remove 59 GPM against 22' TDH to be provided. Pump to be a Goulds Model 3885-WE0711 or equal.

A test of the pump system and distribution piping is required before covering the system.

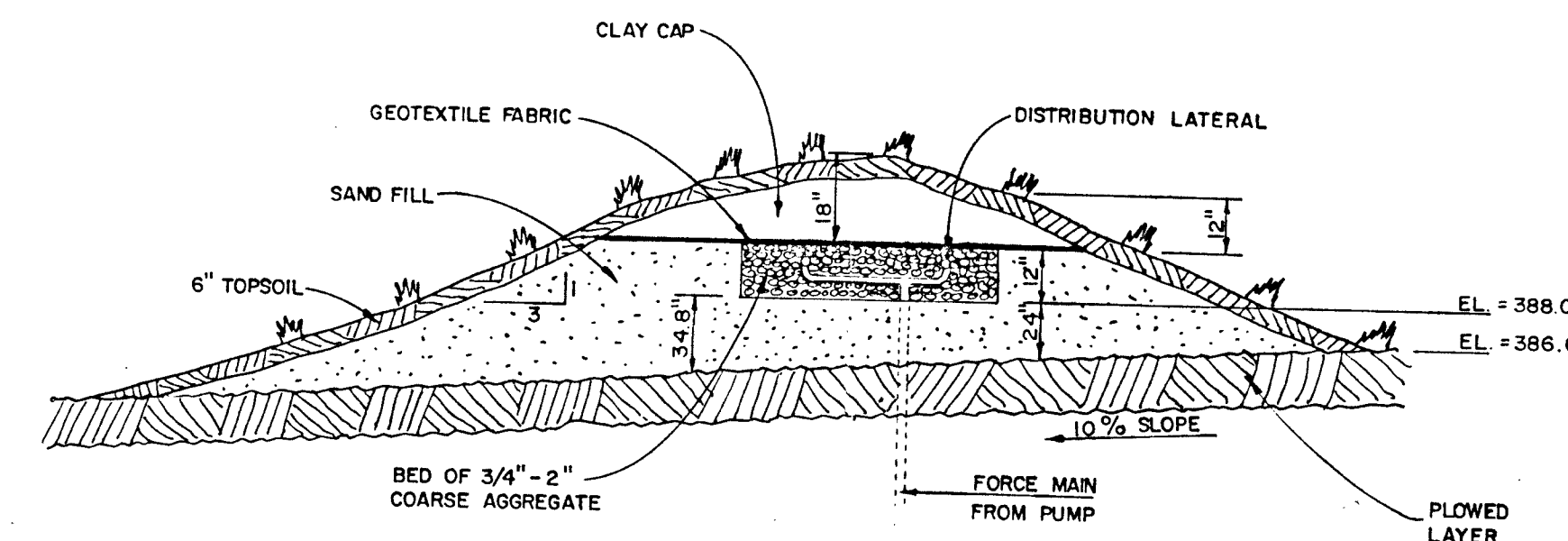
The high water alarm is to be on a separate circuit. Alarm is to be located in the house.



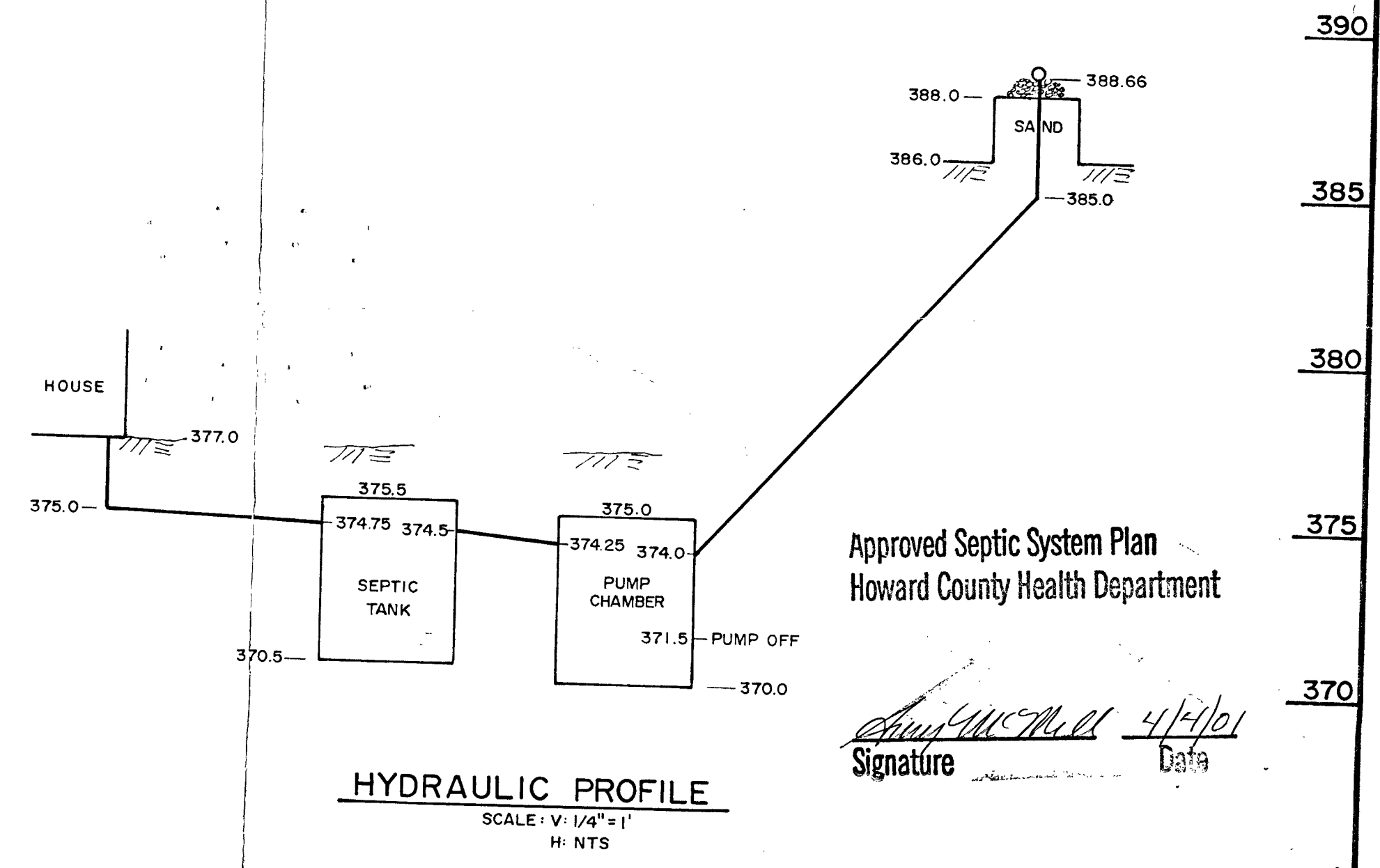
LATERAL DETAIL - TYPICAL



MOUND LAYOUT



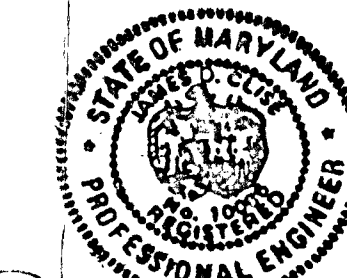
MOUND DESIGN



HYDRAULIC PROFILE

Approved Septic System Plan
Howard County Health Department

Signature: [Signature] Date: 4/1/01



S/E ENGINEERING, INC. WESTMINSTER, MARYLAND			
SCALE: AS SHOWN	APPROVED: JDC	DRWN: RSK	
DATE: FEB. 2001		DES: JDC	
TANDY DILLON PROPERTY - LOT 6/7 HIGHLAND ROAD - HOWARD COUNTY			
SANDMOUND		DRAWING NO. 1 OF 1	

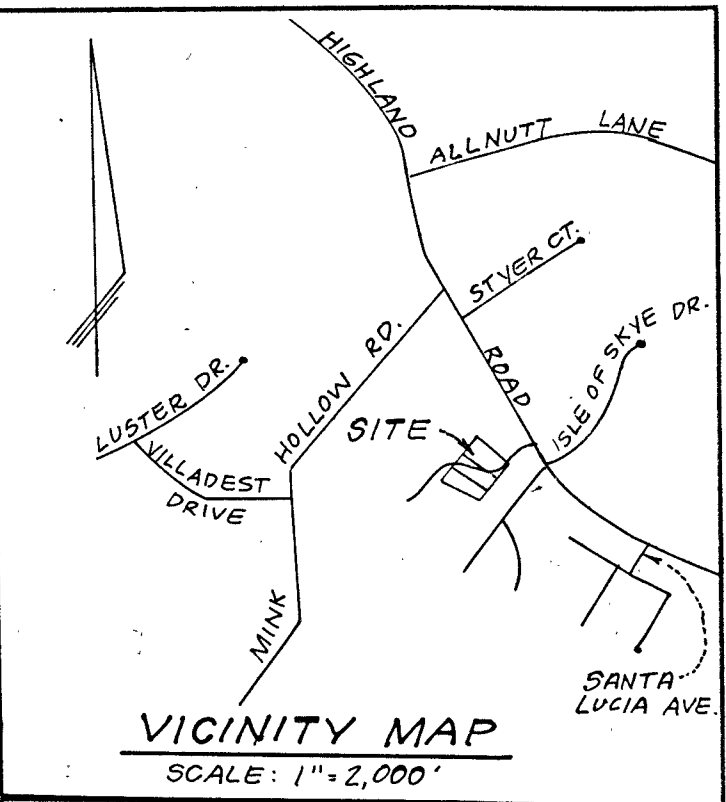
GENERAL NOTES

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT FOR SAND MOUND SEPTICS, AS REQUIRED BY MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- SAND MOUNDS "TYPICAL" FOR 3 BR HOUSE ON SLOPES NOT EXCEEDING 12%, FOR 45-60 MINUTE PERC RATES USING INFILTRAMETERS. APPLICANT TO PREPARE SYSTEM DESIGN DETAIL PRIOR TO APPLICATION FOR SEPTIC PERMIT.
- "I HEREBY CERTIFY THAT MEASUREMENTS ON THIS DRAWING BY T.N. DILLON ARE ACCURATE TO THE BEST OF MY KNOWLEDGE, INFORMATION, BELIEF AND ABILITY."

T.N. Dillon 1/7/99
DATE

APPROVED:
FOR PRIVATE WATER AND PRIVATE
SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Deane M. Brundage, Jr. 1/7/99
HOWARD COUNTY HEALTH OFFICER DATE



SIGNED COPY #1

TANDY N. DILLON, JR., ET UX
L. 333 F. 430
(1ST PARCEL)

RICHARD ALLISON, ET UX
L. 622 F. 432

BARLAND L. BRIAN, ET UX
L. 1431 F. 622

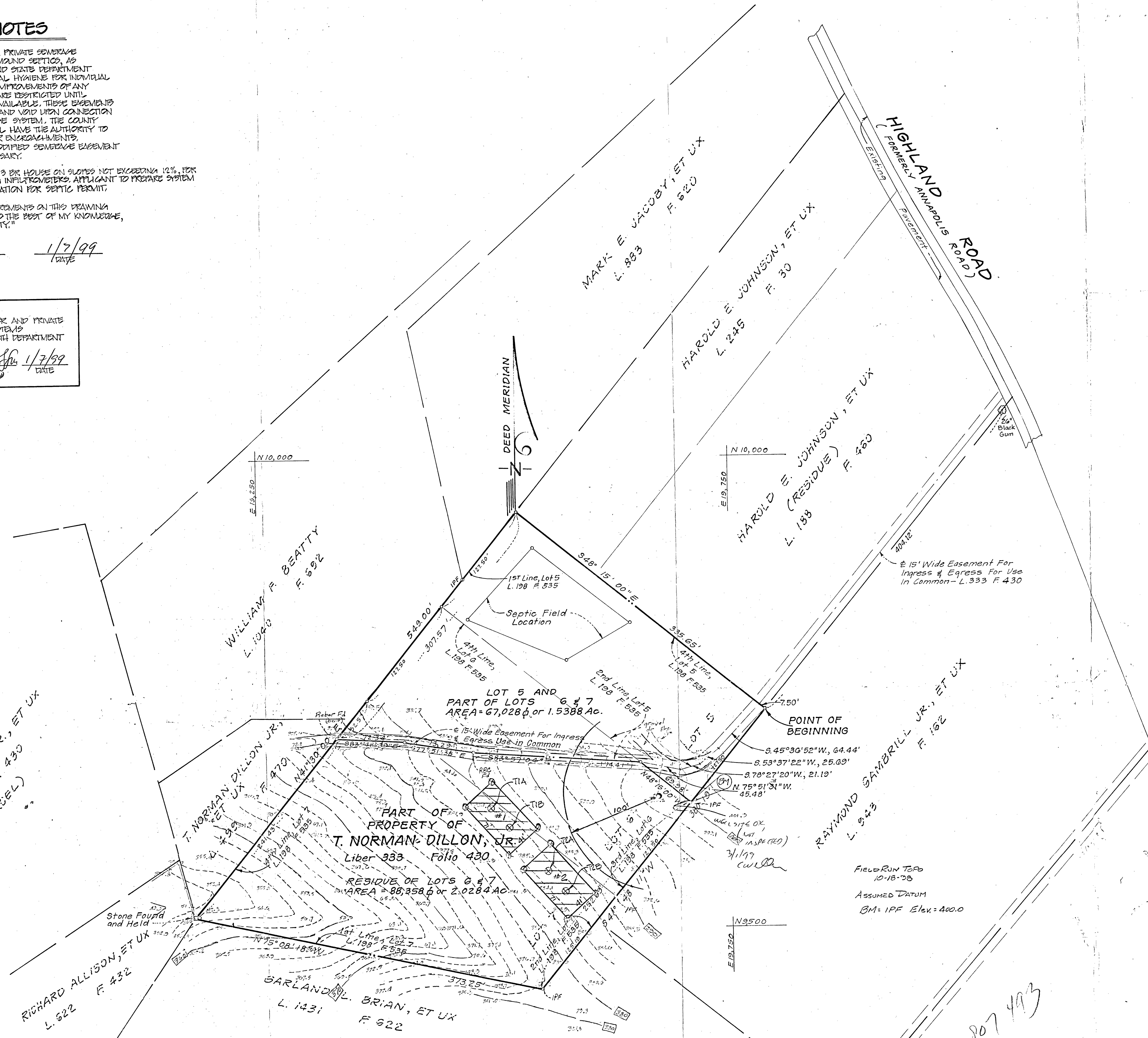
WILLIAM F. BEATTY
L. 1943 F. 692

MARK E. JACOBY, ET UX
L. 883 F. 620

HAROLD E. JOHNSON, ET UX
L. 245 F. 30

HAROLD E. JOHNSON, ET UX
(RESIDUE) F. 460
L. 198

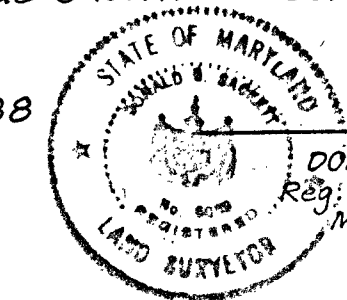
RAYMOND GAMBRILL, JR., ET UX
L. 943 F. 152



SURVEYOR'S CERTIFICATE

I hereby certify that the survey shown hereon is correct to the best of my knowledge and belief in accordance with deeds of record, that a survey was made on the ground in March, 1988 and that property markers (Re-bar and Surveyor's Cap) have been placed at the corners of Lot 5 and Part of Lots 6 and 7 as shown hereon.

March 4, 1988



DONALD B. SACKETT
Reg. Prof. Land Surveyor
Maryland No. 0059

CLARK • FINEFROCK & SACKETT, INC.		
ENGINEERS • PLANNERS • SURVEYORS		
7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7200 - BALTO. • (301) 621-8100 - WASH.		
DESIGNED	PLAT OF SURVEY PART OF THE PROPERTY OF T. NORMAN DILLON, JR. BEING LOT 5 and PART OF LOTS 6 & 7 and RESIDUE OF LOTS 6 & 7	SCALE 1"=50'
DRAWN VLM LAI	HAROLD E. JOHNSON SUBDIVISION L. 198 F. 535 5th ELECTION DISTRICT-HOWARD COUNTY, MARYLAND	DRAWING 1 of 1
CHECKED SFH	OWNER: T. NORMAN DILLON, JR.	JOB NO. 88-017
DATE 3/4/88	HIGHLAND, MARYLAND	FILE NO. 88-017-B