

3/17/97
p.m. c.o.

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~

313-2640

P 58016A

A 48839

DISTRICT 3rd

DATE 5/11/97

DATE SYSTEM APPROVED 3-18-97

INSPECTOR KM

Fogle's Septic Clean, Inc.

IS PERMITTED TO INSTALL X ALTER

ADDRESS 558 Obrecht Road, Sykesville, Maryland 21784 PHONE 795-5674

SUBDIVISION Quarterfield LOT 23 ROAD 11635 Quarterfield Drive

PROPERTY OWNER Dr. Diane Feng

ADDRESS _____

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 135

TRENCHES - Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Begin trenches 175.00 feet up the left lot line and 75 feet off that same lot line as seen when facing the lot from Quarterfield Road. Run trenches on contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK/MR

PLANS APPROVED BY Amy McMillen DATE 09/30/96

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND-PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED. dict

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

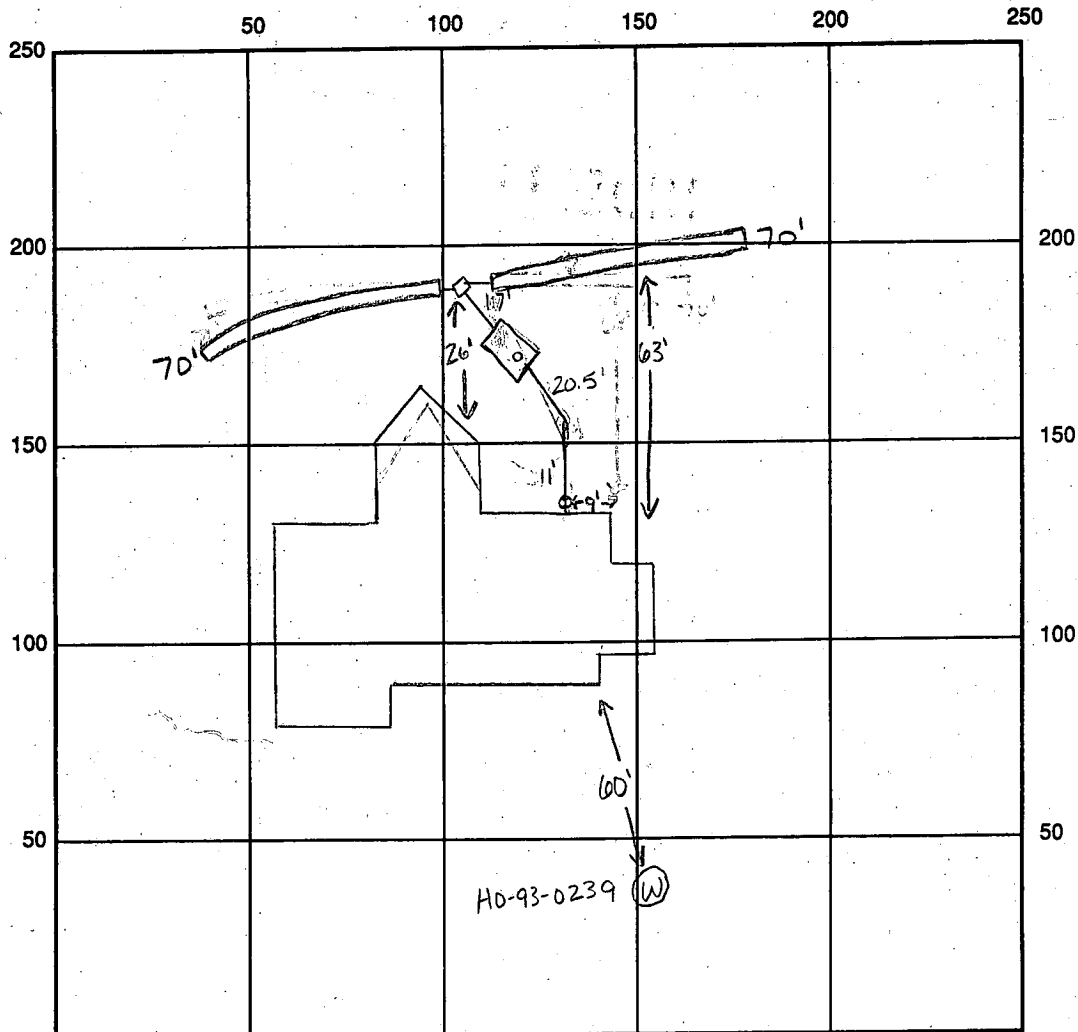
***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

OLD PERMIT SIGNED

AND RETURNED 7-9-98

Serial # B0112883-

A 48839



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE Quarterfield Drive

SEPTIC TANK LEVEL OK, 1000 gallons CLEANOUTS 1 on tank, 1 at house

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 70x2 FT. → 140

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 560 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 3-17-97 house conn. made, ok to continue leaving ends open on trenches,
ok to cover up to distribution box KM

3-18-97 WPT ok to cover well line, P.A. 4' below grade, casing 1.5' above grade,

2 piece water tight cap

ok to cover all work KM

DATE SYSTEM APPROVED 3-18-97

INSPECTOR Kimberly Maisto

APPLICATION

PERCOLATION TESTING

39
A 488
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

DISTRICT _____

DATE 1/7/93

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Joseph M. Zoller, III Dr. DIANE FENG
11696 Carroll Mill Road
ADDRESS Ellicott City, Maryland 21043 PHONE _____

AGENT OR PROSPECTIVE BUYER SDC Group, Inc.
ADDRESS P.O. Box 417, Ellicott City, MD 21041 PHONE (410) 465-4244

PROPERTY LOCATION:

SUBDIVISION Zoller Property LOT NO. 24 40 13 23

ROAD AND DESCRIPTION Northeast quadrant Folly Quarter Road and Carroll Mill Road
intersection. (11633 Quarterfield Drive) BLDG. PERMIT SIGNED

TAX MAP 23 PARCEL # 8,82 & 101

AND RETURNED 9/30/96
Serial # B0102364

SIZE OF LOT 1 Ac +/- TYPE BLDG. Single Family - 3 Brm
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE
FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO
COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. SPC GROUP INC
By: [Signature] VP
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

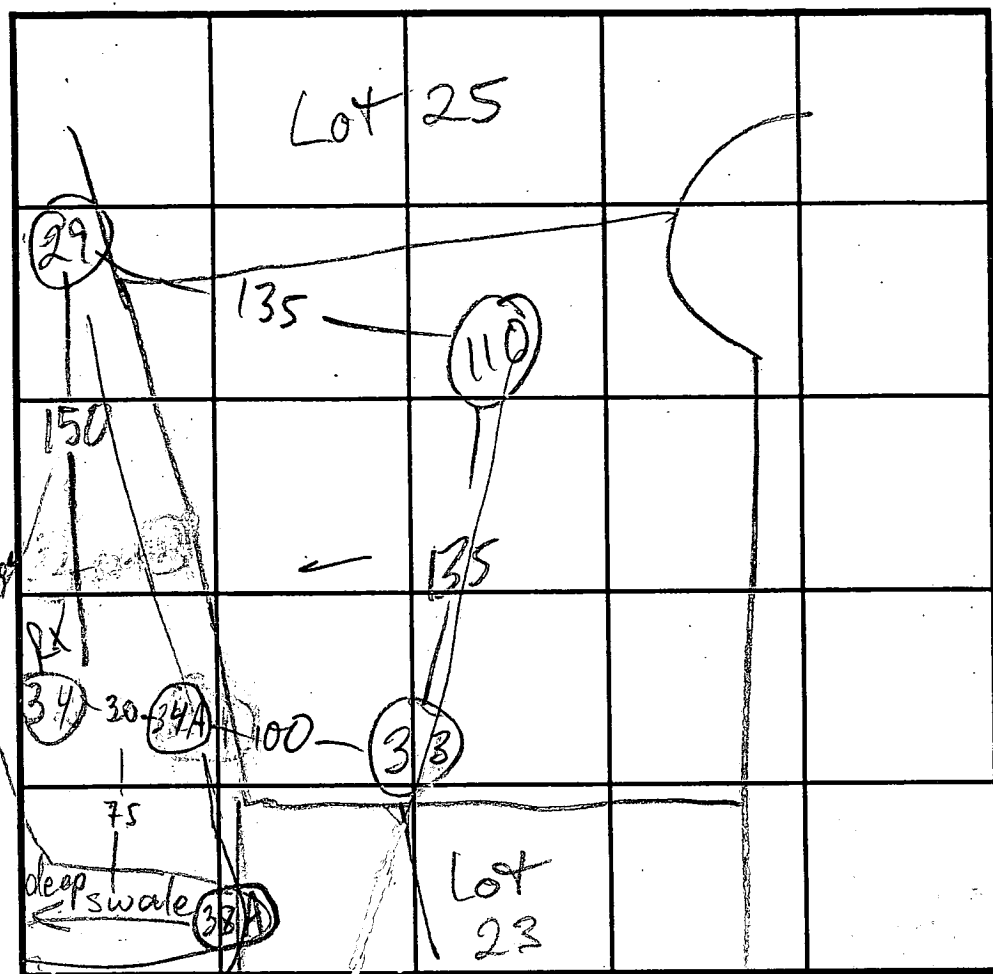
THIS IS NOT A PERMIT

A48848
 Lot 24 COUNTY #

SOIL PROFILE
 0' (34)
 yel red
 brn
 sa cl lm
 3
 brn
 tan
 sa lm
 30-40%
 blocky
 quartz
 frags
 HARD BOT
 9

(34A)
 brn
 sa
 cl lm
 3
 brn
 sa mica
 lm
 20-25%
 yel + blk
 saprolite
 ↑ w/depth
 11 1/2

(33)
 brn
 sa c/
 lm
 3-4
 brn
 tan
 sa lm
 25%
 quartz
 saprolite
 frags
 11 1/2



SOIL PROFILE
 0' (110)
 brn sa
 c/ lm
 3 1/2
 brn w/
 wh flecks
 sa mica
 lm
 10%
 frags
 12 1/2

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/3/93	34 V	9	NOT PERC'D		FAIL		
	34A S	4 1/2	2:42	2:44	2:44	2:46	2
	34A M	9	2:44	2:46	2:46	2:49	3
	34A V	11 1/2					
	33 S	5	2:54	2:56	2:56	2:58	2
	33 M	9	2:57	2:59	2:59	3:11	12
	33 V	11 1/2					
2/11/93	110 S	4 1/2	3:31:00	3:33:00	3:33:00	3:35:00	2 min
	110 M	9	3:31:45	3:32:30	3:32:30	3:33:30	1 min
	110 V	12 1/2	see profile				

REMARKS AVOID (34); ALL OTHERS OK

TYPE OF SOIL
 TESTED BY M. Rifkin ALSO PRESENT C. Sperry, Hatfield crew
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 4 TRENCH WIDTH 12
 INLET DEPTH 4 MAXIMUM BOTTOM DEPTH 8 SQ. FT./BEDROOM 180

APPLICATION

PERCOLATION TESTING

A 48839

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

DISTRICT _____

DATE 1/7/93

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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PROPERTY OWNER Joseph M. Zoller, III
11696 Carroll Mill Road
ADDRESS Ellicott City, Maryland 21043 PHONE _____

AGENT OR PROSPECTIVE BUYER SDC Group, Inc.
P.O. Box 417, Ellicott City, MD 21041 PHONE (410) 465-4244

PROPERTY LOCATION:

SUBDIVISION Zoller Property LOT NO. 23 12 & 11

ROAD AND DESCRIPTION Northeast quadrant Folly Quarter Road and Carroll Mill Road
intersection.

TAX MAP 23 PARCEL # 8,82 & 101

SIZE OF LOT 1 Ac +/- TYPE BLDG. Single Family
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE
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COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. By: SDC Group Inc. [Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

A48839

Lot 23

COUNTY #

SOIL PROFILE

0'

brn sa

cl lm

3-4

brn tan

sa lm

25%

quartz

saprolite

frags

11 1/2 - 12 1/2 - 13 1/2

(39)

brn

sa cl lm

10%

quartz

frags

3-4

brn tan

sa lm

25%

org

saprolite

frags

11 1/2

(111)

(42)

red

brn

sa cl

lm

3 1/2

brn

sa lm

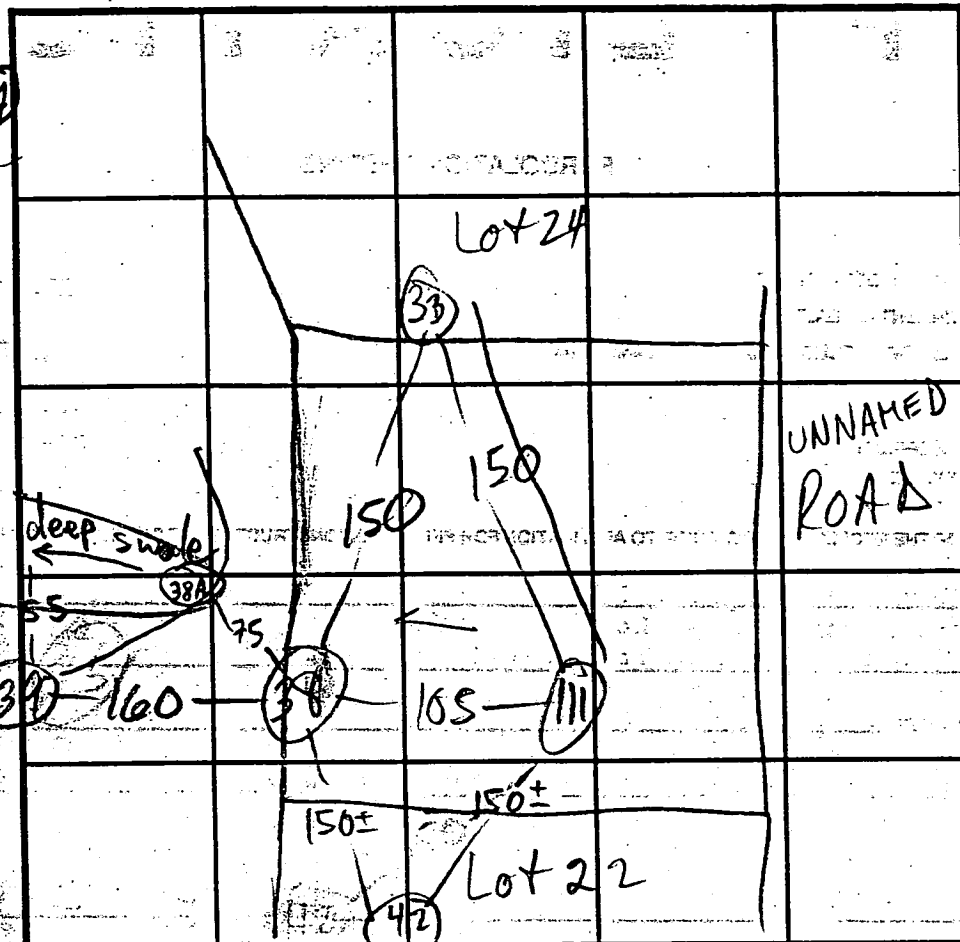
15%

quartz

other

frags

12



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/3/93	38	5	3:15	3:16	3:16	3:19	3
	38	9	3:16:15	3:16:40	3:16:40	3:18:40	2
	38	12 1/2					
	38 S	5	2:54	2:56	2:56	2:58	2
	38 M	9	2:57	2:59	2:59	3:11	12
	38 V	11 1/2	see	profile			
	39 S	5	3:24:40	3:27	3:27	3:31	4
	39 M	8	3:26	3:26:40	3:26:40	3:28	1 min
	39 V	11 1/2					20 sec
2/11/93	111 S	5	3:45:45	3:46:45	3:46:45	3:48:00	1 min
	111 M	9	3:46:15	3:47:30	3:47:30	3:50:45	3 min
	111 V	12	see	profile			
	38A V	13 1/2	OK - DRY	see	profile		
2/4/93	42 S	4 1/2	11:58:30	12:00:30	12:00:30	12:02:30	2
	42 M	9	11:59:00	12:02:00	12:02:00	12:01:00	1
	42 V	13	see	profile			

REMARKS

TYPE OF SOIL

TESTED BY

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

INLET DEPTH

ALL HOLES OK

M. Rifkin

3

4

4

MAXIMUM BOTTOM DEPTH

8

SQ. FT/BEDROOM

180

ALSO PRESENT C. Sperry, Hatfield

TRENCH WIDTH

2

180

APPLICATION

PERCOLATION TESTING

A 48839

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
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ADDRESS Ellicott City, Maryland 21043 PHONE _____

AGENT OR PROSPECTIVE BUYER SDC Group, Inc.
ADDRESS P.O. Box 417, Ellicott City, MD 21041 PHONE (410) 465-4244

PROPERTY LOCATION:

SUBDIVISION Zoller Property LOT NO. 1223

ROAD AND DESCRIPTION Northeast quadrant Folly Quarter Road and Carroll Mill Road
intersection.

TAX MAP 23 PARCEL # 8,82 & 101

SIZE OF LOT 1 Ac +/- TYPE BLDG. Single Family
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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THIS IS NOT A PERMIT

SOIL PROFILE

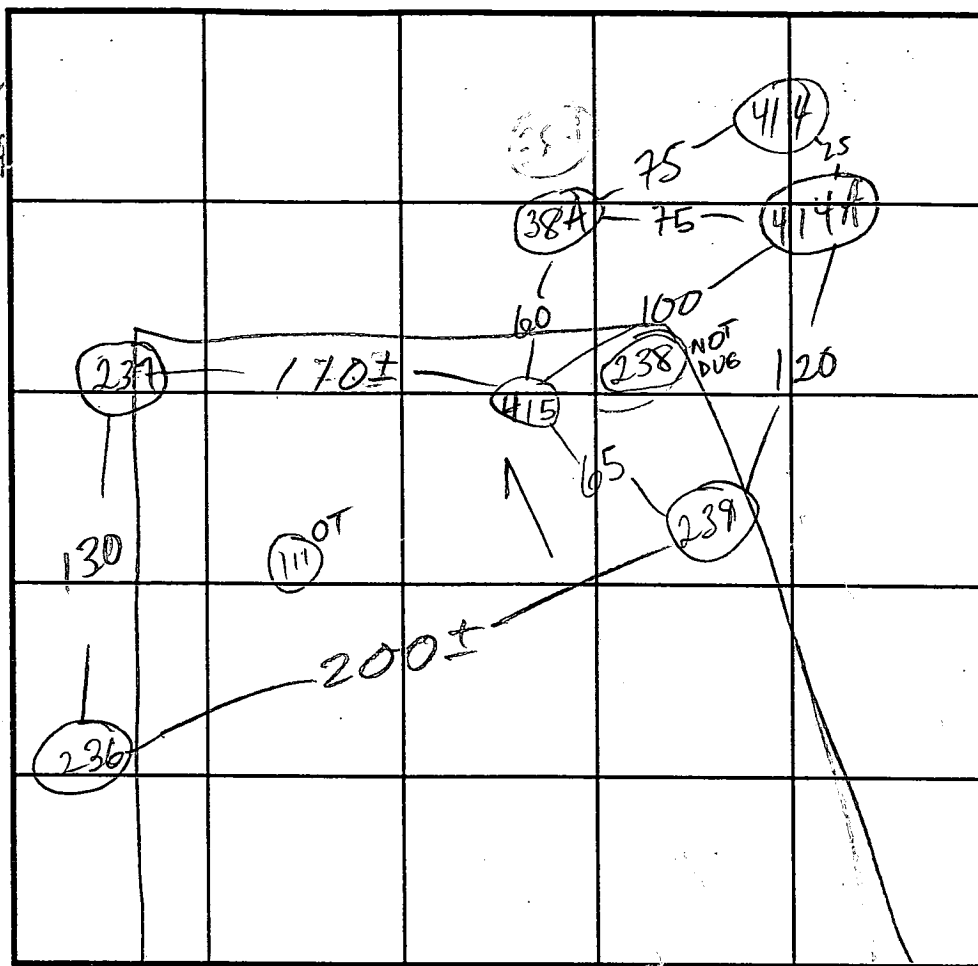
SOIL PROFILE

tan
sac | m
15% frags
dk brn
sl mica
loam
15% - 20%
hard
Saprolite
frags
"

br	sa
cl	lm

tan sa
mica (m
15 %
frags
↑ w/depth

HARD BOT



SOIL PROFILE

MAIN RD INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/21/84	237S	4 1/2	11:11:45			11:12:20	FAST
	237 ^S V	4 1/2	11:12:55			11:13:45	
	237 ^S V	11	11:14:45	11:15:20	11:15:20	11:16:00	FAST
	237 ^S V	11	11:17:00	11:17:45	11:17:45	11:18:45	1
	415S	4	12:00:15	12:01:00	12:01:00	12:02:00	1
	415V	11' 10"					
	239S	4 1/2	1:18:35	1:19:20	1:19:20	MISSED	TIME
	239 ^S V	11	1:20:45	1:21:45	1:21:45	1:23:45	2
	239V	11	Sim				
	236S	2 1/2	10:37	10:39	10:39	10:43	4
	236V	10					
	414V	11 1/2	HARD	SHELF	@	3 1/2	
	414 ^S V	3' 9"	11:49	11:50	11:50	11:57	1
	414 ^S V	12 1/2					

REMARKS

TYPE OF SOIL

TESTED BY

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

C1187

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.

COUNTY
NUMBER

A48839

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

40-93-0239

ST/CO USE ONLY
DATE Received

DATE WELL COMPLETED

020296

Depth of Well

340

(TO NEAREST FOOT)

OWNER

Thompson

last name

Quarterfield Dr

first name

TOWN

W. Friendship

SUBDIVISION

QUARTERFIELD

SECTION

LOT

23

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS
PENETRATED, THEIR COLOR, DEPTH,
THICKNESS AND IF WATER BEARING

DESCRIPTION (Use
additional sheets if needed)

FEET

FROM

TO

check
if water
bearing

Sand

0

49

Gray Mica
Rock

49

340

GROUTING RECORD

WELL HAS BEEN GROUTED

(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT

BENTONITE CLAY

NO. OF BAGS

18

NO. OF POUNDS

1692

GALLONS OF WATER

108

DEPTH OF GROUT SEAL (to nearest foot)

from

ft. to

ft.

48

52

54

58

TOP

(enter 0 if from surface)

BOTTOM

CASING RECORD

casing
types
insert
appropriate
code
below

STEEL

CONCRETE

PLASTIC

OTHER

MAIN
CASING
TYPE

Nominal diameter
top (main) casing
(nearest inch)!

Total depth
of main casing
(nearest foot)

54

6

54

60

61

63

64

66

70

OTHER CASING (if used)

EACH
CASING

diameter
inch

depth (feet)
from

to

SCREEN RECORD

screen type
or open hole
insert
appropriate
code
below

STEEL

BRASS
BRONZE

OPEN
HOLE

PLASTIC

OTHER

DEPTH (nearest ft.)

110

51

340

8

9

11

15

17

21

23

24

26

30

32

36

38

39

41

45

47

51

SLOT SIZE 1

2

3

DIAMETER
OF SCREEN

(NEAREST
INCH)

56

60

GRAVEL PACK

IF WELL DRILLED WAS
FLOWING WELL INSERT
F IN BOX 68

68

MDE USE ONLY
(NOT TO BE FILLED IN BY DRILLER)

T

(E.R.O.S.)

W Q

74

75

76

70

72

TELESCOPE
CASING

LOG
INDICATOR

OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour)

3

8

9

PUMPING RATE (gal. per min.)

6

11

15

METHOD USED TO
MEASURE PUMPING RATE

Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING

43

17

20

ft.

WHEN PUMPING

215

22

25

ft.

TYPE OF PUMP USED (for test)

A

air

P

piston

T

turbine

C

centrifugal

R

rotary

O

other
(describe
below)

J

jet

S

submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP

YES

NO

IF DRILLER INSTALLS PUMP, THIS SECTION
MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED
PLACE (A,C,J,P,R,S,T,O)
IN BOX 29.

29

CAPACITY:
GALLONS PER MINUTE
(to nearest gallon)

31

35

PUMP HORSE POWER

37

41

PUMP COLUMN LENGTH
(nearest ft.)

43

47

CASING HEIGHT (circle appropriate box
and enter casing height)

+

above

LAND SURFACE

3

(nearest
foot)

50

51

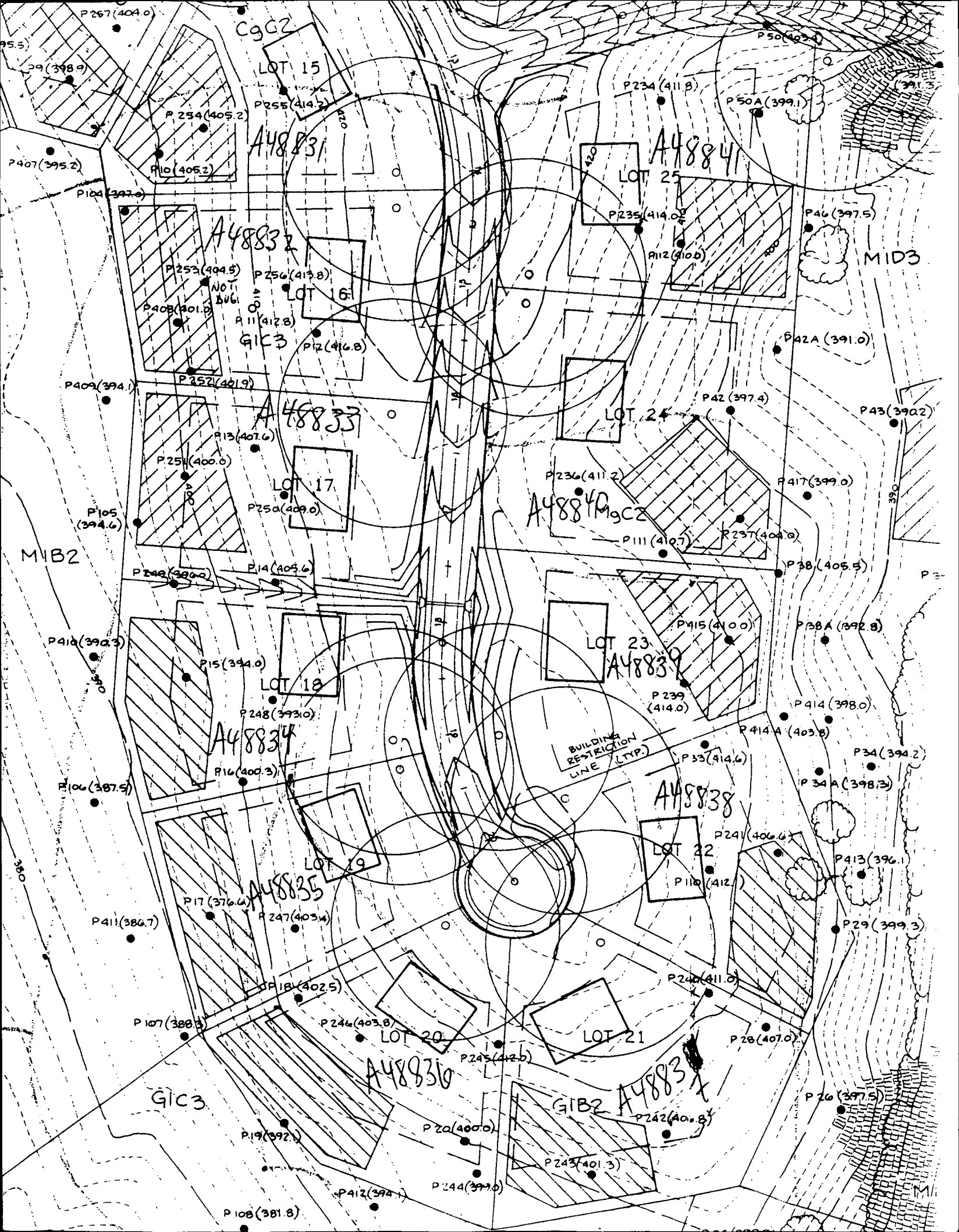
LOCATION OF WELL ON LOT

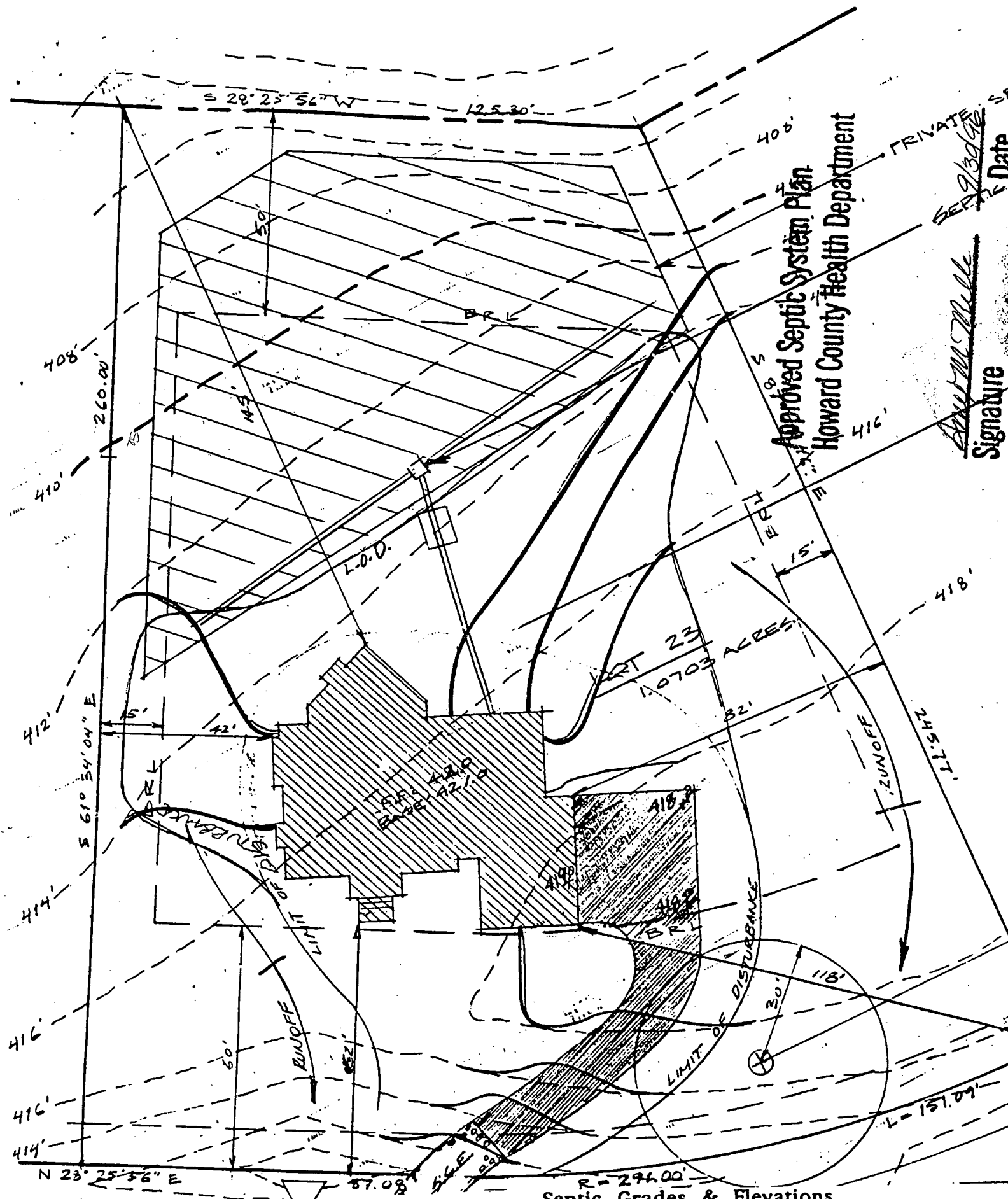
SHOW PERMANENT STRUCTURE SUCH AS
BUILDING, SEPTIC TANKS, AND /OR
LANDMARKS AND INDICATE NOT LESS
THAN TWO DISTANCES
(MEASUREMENTS TO WELL)

Quarterfield Dr.

165

190





Approved Septic System Plan
Howard County Health Department

Signature David M. Miller Date SEP 9/30/96

Septic Grades & Elevations

	Inv.	Grade
House Connection	411.5	413.0
Septic Tank Entrance	410.5	412.0
Septic Tank Exit	410.2	412.0
Distribution Box	410.0	413.0

QUARTERFIELD

$$\frac{3''}{13.5'} = \frac{1''}{4.5'}$$

$$\frac{3''}{2.5'} = \frac{1''}{0.83'}$$

LOT 24

STORM WATER
EASEMENT

QUARTERFIELD
DRIVE

DRIVE

LIMIT OF DISTURBANCE

AREA 408
BASE 1408.0

LOT 23

1.0703 ACRES

PRIVATE SEWAGE EASEMENT

SEPTIC DISTRIBUTION BOX

SEPTIC TANK

7/9/98 Proposed deck
location OK as shown
(DS)

EXISTING WELL

PUBLIC TREE MAINT. EASEMENT

