

7/28/87
AM

05-373441 7/29/87 KM

PERMIT

P 39412
A 38704
DISTRICT 5th

SEWAGE DISPOSAL SYSTEM
MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE 6/02/87

DATE SYSTEM APPROVED 7/29/87

INSPECTOR RH

INDEXED

H. Edwards Construction, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 6645 Mink Hollow Road, Highland, MD 20777 PHONE 596-9147

SUBDIVISION Zepp Farm ROAD 13825 Highland Road LOT 6

PROPERTY OWNER James Phalen *near Trudolph Mill Rd*

ADDRESS _____

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 187 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 1/2 feet below original grade. Effective area begins at 4 feet below original grade. 4 1/2 feet of stone below distribution pipe.

LOCATION - Place the distribution box at a point 370 feet from the front lot line and 50 feet from the left side of the lot as seen when facing the lot from Highland Road. Run trenches toward both the left sideline and the right side line along level ground.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *ok/cw*

PLANS APPROVED BY R. Hodges DATE 3/05/87

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.

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 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

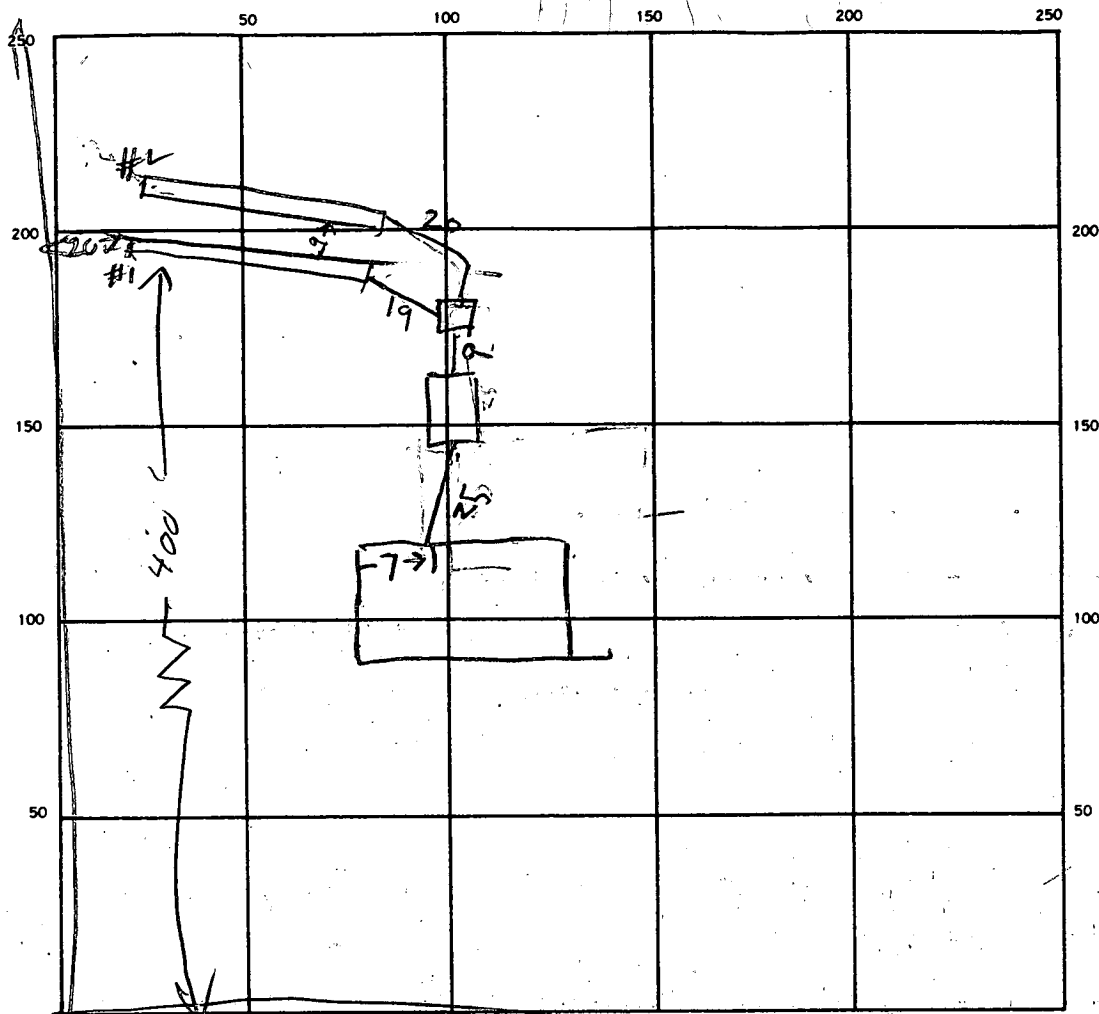
SEWER PERMIT SIGNED
AND RETURNED 3/23/87
Serial #16926 Dick

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 38704



7
2
1
02
10

SEPTIC TANK LEVEL O.K. 1000 CLEANOUTS ST. O.K.

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TILE FIELD. DEPTH

#1	#2
8.5	8.5

 FT. TRENCH WIDTH

#1	#2
2	2

 FT. INLET DEPTH

#1	#2
4	4

 FT.

EFFECTIVE GRAVEL DEPTH

#1	#2
4.5	4.5

 FT. TOTAL LENGTH

#1	#2	#3
65	67	133

 FT.

NUMBER OF TRENCHES _____ ONE SIDEWALL/BOTTOM AREA

INSTALLED	REQUIRED
598	531

 SQ. FT.

DRYWELL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS 7/28/87 LOCATION OF TRENCH #1 & #2 DUG
7/29/87 - STONE ADDED TO TRENCHES

DATE SYSTEM APPROVED 7/29/87 INSPECTOR Raymond Hodges

3-2-87
1130

APPLICATION

PERCOLATION TESTING

A 38704

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT _____

DATE 2/13/87

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER James Phalen

ADDRESS _____ PHONE 927-2745
4953-6624

~~PROSPECTIVE BUYER~~ Builder H. Edwards Construction

ADDRESS 6645 Mink Hollow Rd. Highland, Md. PHONE 596-9147

PROPERTY LOCATION:

SUBDIVISION originally part of Zepp farm LOT NO. 6

ROAD AND DESCRIPTION 13825 Highland Road

TAX MAP Fifth Elec Dist. PARCEL # 336 map 34

SIZE OF LOT 7.184 acres 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 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. Patly J. Curtis
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 3/2/87 - RETEST OK SUBMIT

WELL SITE PLAN BH

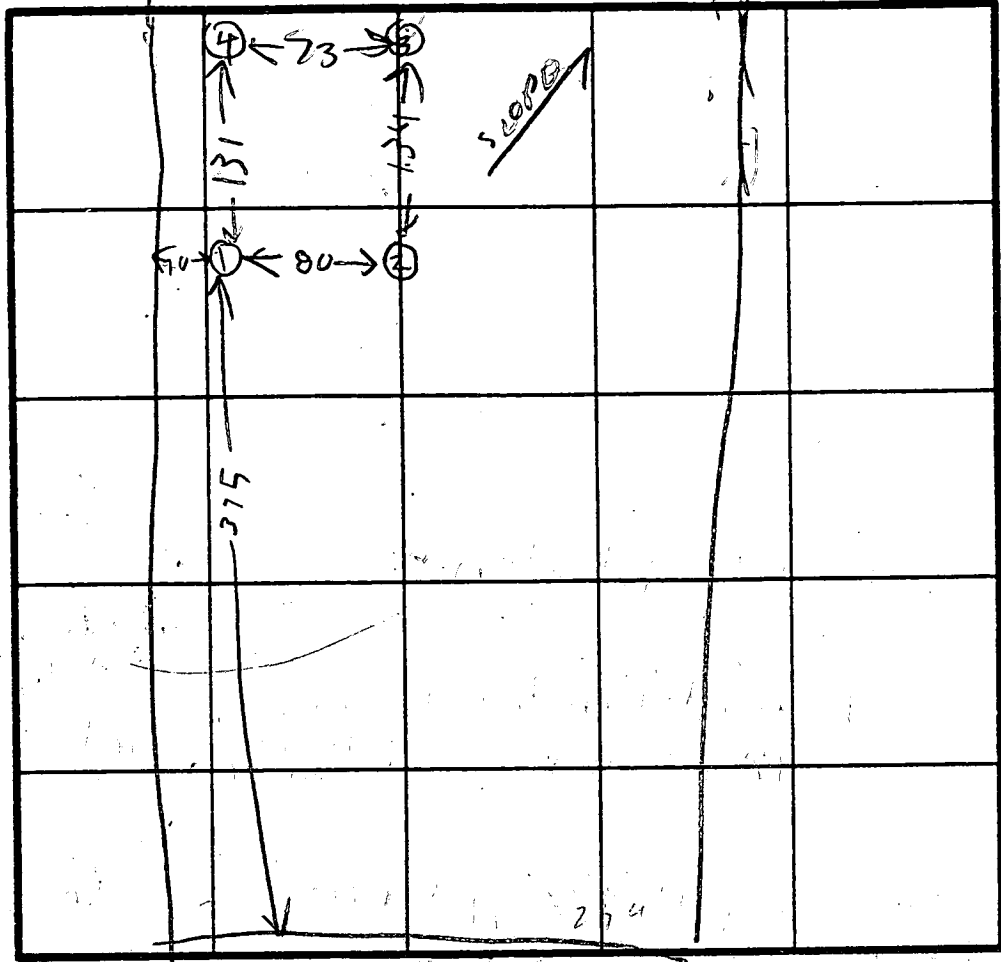
3/5/87 NEW SPECS WRITTEN AND

BLDG. PERMIT SIGNED AND RETURNED 5/28/87

BP # 12218 8/8/87

THIS IS NOT A PERMIT

25
29 120
C



HOLE ELEVATION
 ① = HIGHEST
 ② = NEXT HIGHEST
 ③ = LOWEST
 ④ = NEXT LOWEST

①
SOIL PROFILE
 0
 3
 BROWN CLAY
 BROWN SAND
 MICA LOAM

②
 0
 4
 BROWN CLAY
 ORANGE BROWN SAND
 MICA LOAM

③
 3
 BROWN CLAY
 BROWN SAND
 MICA LOAM

④
 2 1/2
 BROWN CLAY
 GRAY BROWN SAND
 MICA LOAM
 12
 EH-11075

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

HIGHLAND RD TO TRIDELPHIA MIL RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/2/07	15	4.5	206	220	220	222	12
	17	9.5	206	208	208	210	8
	14	13.5	LOOKS OK				
	25	3.5	226	245	STICK FEEL DOWN		
	26	1.3	OK below		4F7		
3/1/07	35	3.5	228	239	237	250	13
	36	14					
3/1/07	45	3.5	231	236	236	250	14
	46	13	OK				
	2M	9	295A	301	301	309	8
				7			
				7			

REMARKS _____

TYPE OF SOIL _____

TESTED BY R. HODGES ALSO PRESENT M. EDWARDS
MR. DALRY

300

34

APPLICATION

19477

A ~~XXXX~~

PRELIMINARY

SEWAGE DISPOSAL TESTING

P _____

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DISTRICT 5th

DATE 1/29/74

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Russell B. Zepp

ADDRESS Highland Road, Clarksville, Md PHONE 286-2797

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. #6

ROAD AND DESCRIPTION Highland Road - Macadam
Corner of Highland Road and Triadelphia Mill Road

SIZE OF LOT 7.184 Acres TYPE BLDG. 3 or 4 bedrooms
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE _____

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT _____

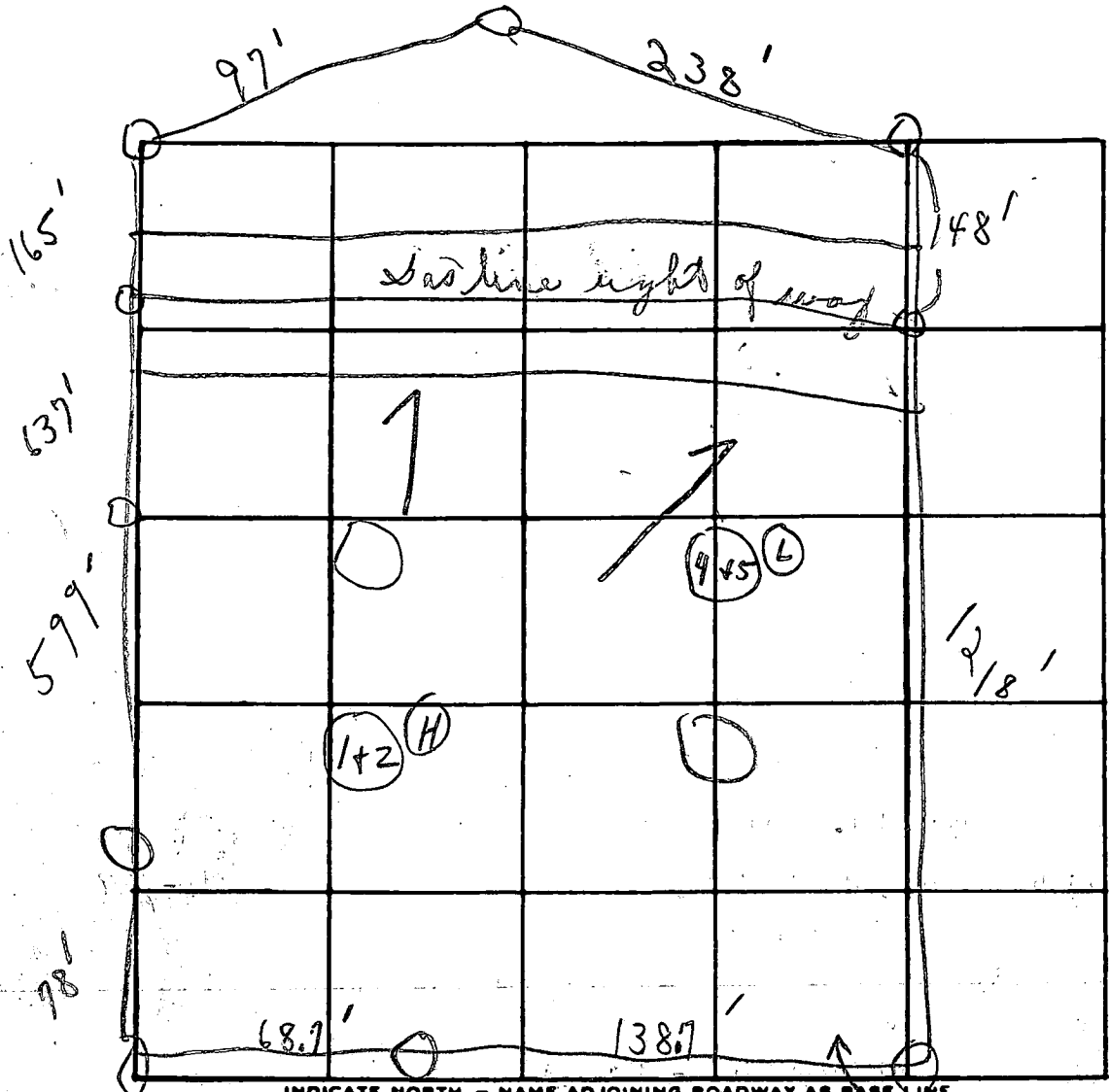
APPROVED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Hughland Rd Lot #6

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/5/74	1	5'	11:40	11:45	11:15	11:25	10 min
	2	11:20	11:10	11:15	11:15	11:20	5 min
	3	10 1/2'	Visual similar to		1+2		
	4	4'	11:25	11:26	11:26	11:28	2 min
	5	12'	11:25	11:28	11:28	11:32	4 min
	6	10'	Visual similar to		4+5		

8 min

3 min

6 min AV.

REMARKS Certain holes C.B.S + H.7
 TYPE OF SOIL White Sand 1+2

B 1 7243

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

HO-81-2049 fill in this form completely

Date Received

8 13

OWNER INFORMATION

PHALEN dim

7508 COLUMBIA AVE

COLLEGE PARK MD 20740

B 3

LOCATION OF WELL

HOWARD COUNTY

RUSELL B Z-P-P

SECTION LOT 6

CLARKSVILLE

MILES FROM TOWN 2 MI

DRILLER INFORMATION

Frank L. Magee 238 77 License No. 80

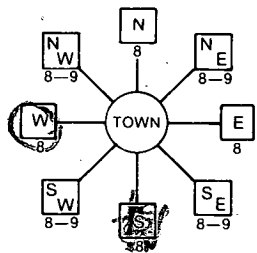
Frank L. Magee Well Drilling

5512 Ridge Rd. Mt. Airy Mt. 21771

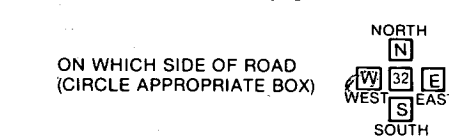
Signature Date 3/18/87

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Highland Road



DISTANCE FROM ROAD 200 FT

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME

A-38704 COUNTY NO.

OEP SIGNATURE DATE ISSUED

042287 B Nipon 10/22/87

NORTH GRID 502000 EAST GRID 0805000

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

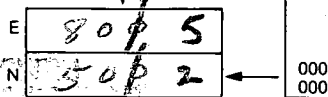
METHOD OF DRILLING (circle one)

- BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTary DRIVE-POINT
other

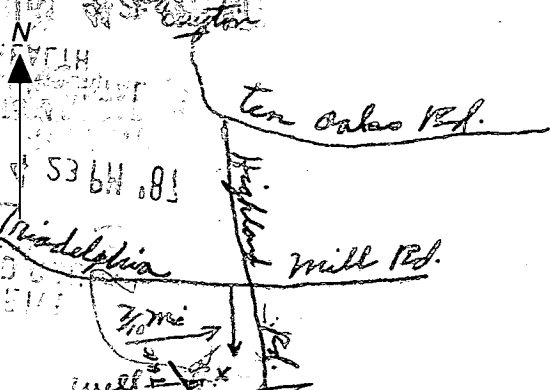
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
1. WELL
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE



DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
D THIS WELL WILL DEEPEMED AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP

FORCE INITIALS PERMIT No. HO-81-2049

SPECIAL CONDITIONS

5/12/87 1050

- ① Well already counted information from John
- ② 47 ft Pipe
- ③ 35 ft open hole
- ④ 9 Bags
- ⑤ LOCATION *B. J. Dodge*

RECEIVED
HOWARD COUNTY
HEALTH DEPT.
MAR 13 4 23 PM '87
DIVISION OF
ENVIRONMENTAL
HEALTH

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2049
 Location of property (road) HIGHLAND ROAD
 Subdivision RUSSELL B. ZEPP Lot 6 Block Plat Sec.
 Well Driller JOSEPH MAYNE Owner PHALEN, JIM

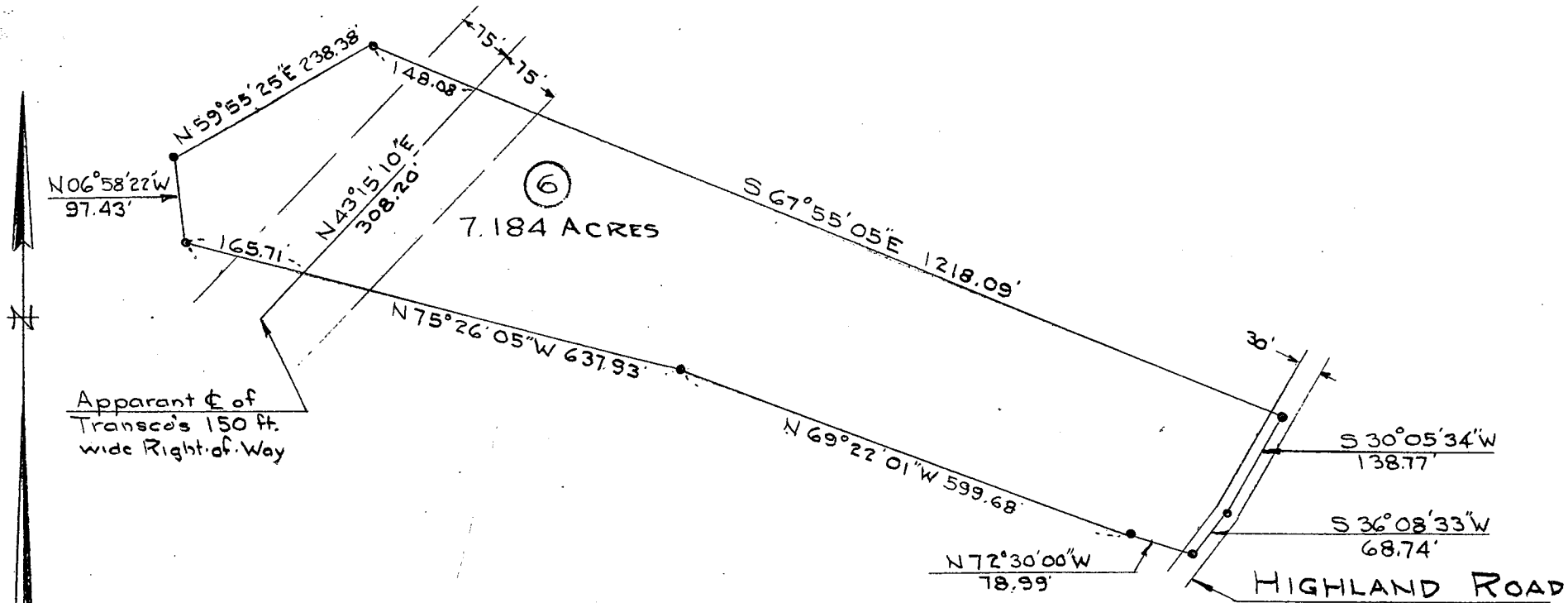
Depth of well 325'
 Distance of measuring point (M.P.) above ground 1 1/2'
 Static water level (S.W.L.) below M.P. 28'

I. High rate pumping -- reservoir drawdown

Time pump started 7:30 Pumping rate 12 gal.
 Total time 45 MIN to reach pumping water level 200 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill \$ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:45	103	5		12
8:00	160	5		12
8:15	200	5		12
8:30	200	20		3
8:45	200	20		3
9:00	200	20		3
9:15	200	20		3
9:30	200	20		3
9:45	200	20		3
10:00	200	20		3
10:15	200	20		3
10:30	200	20		3
10:45	200	20		3
11:00	260	20		3
11:15	200	20		3
11:30	200	20		3
11:45	200	20		3
12:00	200	20		3
12:15	200	20		3
12:30	200	20		3
12:45	200	20		3
1:00	200	20		3
1:15	200	20		3
1:30	200	20		3



LOCATION SURVEY
FOR

RUSSELL B. ZEPP
FIFTH ELECTION DIST., HOWARD CO.
CLARKSVILLE, MARYLAND

SCALE: 1 IN. = 200 FT.

JANUARY 10, 1974

Denotes actual percolation test location on this land
Note: The lot shown hereon complies with the minimum ownership and lot area as required by the Maryland State Health Department.

Approved: Private Water and Private Sewer

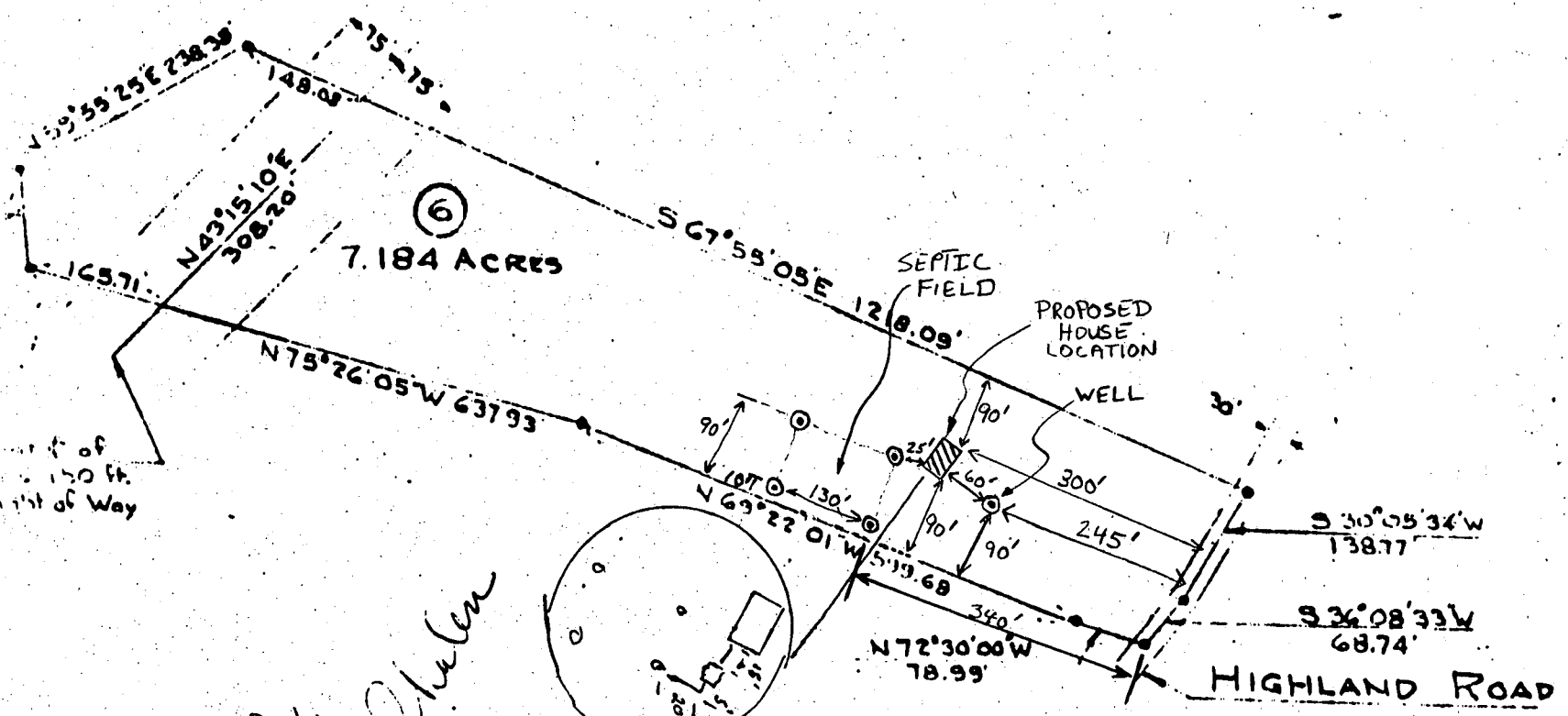
Howard County Health Officer

Date



Clara M. Skimp

A-3726-G



LOCATION SURVEY
FOR

RUSSELL B. ZEPP
FIFTH ELECTION DIST. HOWARD CO.
CLARKSVILLE, MARYLAND

SCALE: 1" = 200 FT
JANUARY 10, 1974

- Platen*
- Well Est 458
 - First Fl. 458
 - Basement 449
 - Elv. at base of 453
 - Low at Trunk 452.7
 - Outlet of Trunk 452.5
 - Ext. at Trunk 454.5
 - Ext. at Trunk 452.
 - Elv. of pipe at
 - TRUNCK 449

Actual percolation test location on this land 2/6/74
This survey complies with the
ownership and lot area as required by
the Maryland State Health Department

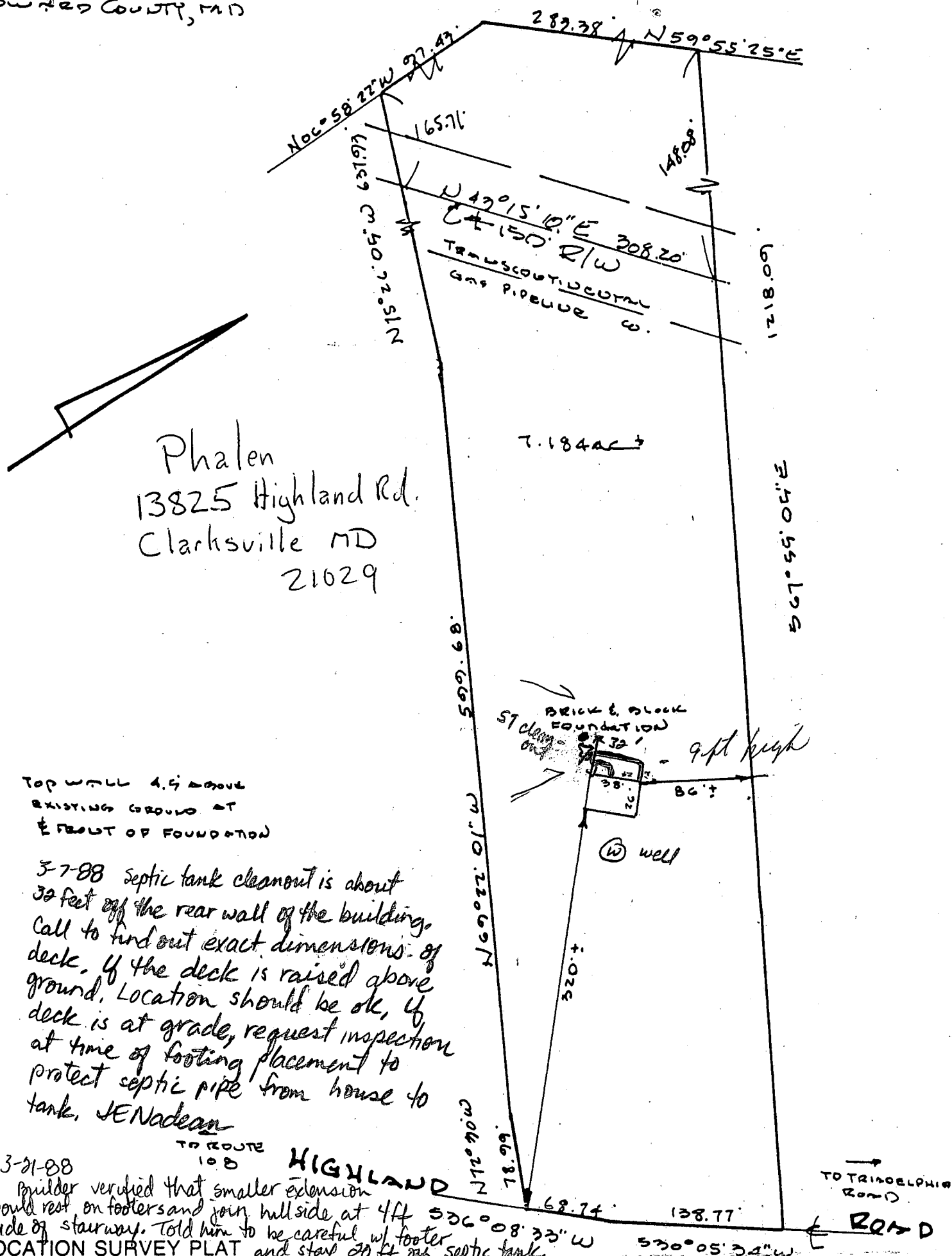
Private Water and Private Sewer



Property known as: **PARCEL C**

THIS PLAT CAN NOT BE USED TO ESTABLISH PROPERTY LINES OR CORNERS.

5th ELECTION DISTRICT
HOWARD COUNTY, MD



Phalen
13825 Highland Rd.
Clarksville MD
21029

TOP WALL 4.9' ABOVE
EXISTING GROUND AT
E END OF FOUNDATION

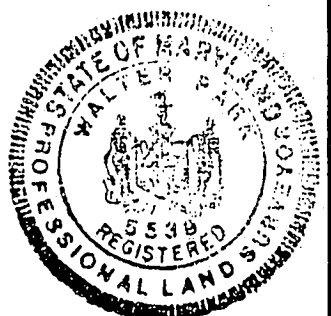
3-7-88 Septic tank cleanout is about
32 feet off the rear wall of the building.
Call to find out exact dimensions of
deck. If the deck is raised above
ground, location should be ok. If
deck is at grade, request inspection
at time of footing placement to
protect septic pipe from house to
tank. JENadeau

3-21-88
Builder verified that smaller extension
would rest on footers and join hillside at 4ft
side of stairway. Told him to be careful w/ footer
LOCATION SURVEY PLAT and stay 20 ft off septic tank.

SUBJECT PROPERTY NOT LOCATED IN A FLOOD PLAIN AREA UNLESS OTHERWISE NOTED

OK to CERTIFICATION release BP. JENadeau SEAL SCALE 1"=100' DATE 7-29-1987

This is to certify that I have surveyed
the property known as:
HIGHLAND ROAD
for the purpose of locating the im-
provements thereon, and the improvements
are located as shown.



Walter Park

Columbia: 730-9060
Towson: 828-9060
M & H DEVELOPMENT ENGINEERS, INC.
Surveyors and Subdivision Designers
231 Harpers Choice Village Center
5485 Harpers Farm Road
Columbia, Md. 21044
WALTER PARK
REG. L.S. 5539