

8/17/87 ~~ASAP~~
8/24/87 ~~NEON~~
8/25/87

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

OL 176803
INDEXED

P 39680
A 34638
DISTRICT 1st
DATE 7/16/87
DATE SYSTEM APPROVED 8/26/87
INSPECTOR (Signature)

Dale Fogle

IS PERMITTED TO INSTALL ALTER

ADDRESS _____ PHONE 795-5670

SUBDIVISION _____ ROAD 6400 Elibank Road LOT _____

PROPERTY OWNER MEHTA Kirk Christensen 465 4631 off 3

ADDRESS 8321 GROVE RD ELLICOTT CITY

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.
915 2/19/87 called No ans 21043
315 2/10/87 called left message RH

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES 150 sq. ft. per bedroom. Drywell - Change of 8" - 10"
Trench to be 2 feet wide. Inlet 5 feet below original

grade. Bottom maximum depth 10 feet below original grade. Effective area begins at 5 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Place the trench ~~between per holes 5 & 2. Perc hole #2 is located 142 feet from the edge of the water pipe easement and 125 feet from the front line along Elibank Drive. Perc hole #5 is located 102 feet from the edge of the water pipe easement and 120 feet from the front line along Elibank Drive.~~
158-120
163-125
167-123
15

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. Run TRENCH ON CONTOUR TOWARD

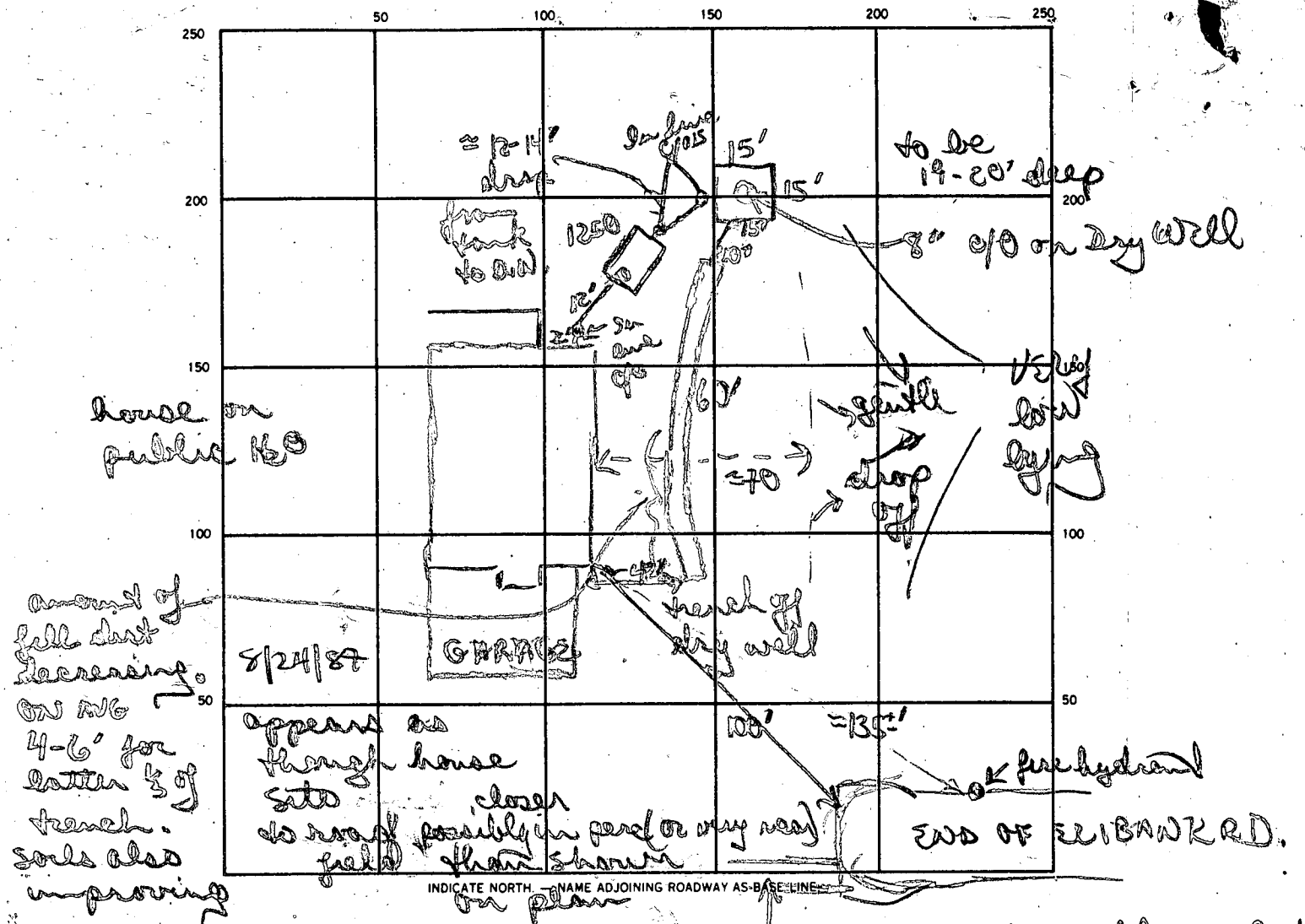
Left REAR CORNER - OK TO INSTALL ACCORDING TO BP PLAN for location only

PLANS APPROVED BY R. Hodges DATE 1/03/85

- 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(IES) 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.

OLD PERMIT SIGNED AND RETURNED 5-27-88
Serial # 320111844
add Family Room
600
60'

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



SEPTIC TANK LEVEL 1250 gal CLEANOUTS 1 S.T. 1 D.W., 3 in line 2/0'S

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TILE FIELD. DEPTH 18 FT. TRENCH WIDTH 3 FT. INLET DEPTH 13-14'

EFFECTIVE GRAVEL DEPTH ≈ 4' FT. TOTAL LENGTH 60' (off drywell) FT.

NUMBER OF TRENCHES 1 ONE SIDEWALL/BOTTOM AREA 240' SQ. FT. 60/7 = 420/8

DRYWELL INSIDE DIAMETER 15 x 15 x 20' FT. EFFECTIVE DEPTH BELOW INLET ≈ 7' stone (1 and 1) (7' of rings)

ABSORBENT AREA ≈ 660 SQ. FT.

REMARKS B/17/87 - COULD NOT ADVISE CONTRACTOR BECAUSE LOT LINES NOT STAKED
8/24/87 Approx 12' of fill in most of drywell area. Did perc test at 14' (red clay) - small amt. Absorption. Dig to 19' (hard red brown gummy clay/sand mix) ≈ 4" HO absorbed in 5-6 min. Dry well & trench to go to 19-20' deep w/ 7' + 4-5' (3' wide) of stone respectively.

OK to cover dry well area. OK to add stone pipe paper to trench. OK to cover from house to D.W. 8/26/87 OK to cover all work

DATE SYSTEM APPROVED 8/26/87 INSPECTOR B Nylor

APPLICATION

SEWAGE DISPOSAL TESTING

A 34638

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

DISTRICT _____

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DATE 12/4/84

Handwritten notes:
10/18/84
9:30 AM
1/2/84
1:30 PM

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 John Powell (Contract purchaser - Kirk Christensen)

ADDRESS 5965 Setter dr Elkridge PHONE 796-5348

PROPERTY LOCATION:

SUBDIVISION One lot LOT NO. _____

PERMIT SIGNED AND RETURNED 3-20-87

ROAD AND DESCRIPTION 6400 Elibank Rd

State
BP# 10590

SIZE OF LOT 1.5 ACRE TYPE BLDG 3 4
(NUMBER OF BEDROOMS)

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. Kirk Christensen
(SIGNATURE OF APPLICANT)

APPROVED BY Raymond Hodges FOR Trench or Dry Well DATE 1/12/85

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS R Hodges DATE 12/10/84

REASONS FOR REJECTION OR HOLDING 12/10/84 - SLOW PERC & FILL DIRT
DIG MORE RH 1/13/85 PERC OK LOT ON RECORD
HOLD FOR SEPTIC SYSTEM PLANS RH

THIS IS NOT A PERMIT

2
SOIL PROFILE

0
GRAY
FILL
&
ROCK
6
BROWN
SILT
SAND
LOAM
16

3

0
GRAY
BROWN
FILL
5
BROWN
CLAY
SAND
8
BROWN
SAND
LOAM
12

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

5

0
BROWN
FILL
3
SANDY
ROCKY
6
ROTTEN
ROCK
SAND
11

6

0
BROWN
FILL
2
BROWN
CLAY
BROWN
GRAY
SAND
ROTTEN
ROCK
14
12

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/85	65	6 1/2	206	209	209	210	9
	6D	11 1/2	211	217	217	225	8
	6V	14 1/2	LOOKS	OK	BELOW TOP		5 FT
	7D	11	248	249	249	250	1
	7S	8 1/2	250	306	retain 16 min		
	7V	12	LOOKS	OK	BELOW TOP		8 FT
	2V	16	DUG DEEPER		LOOKS OK		
					BELOW TOP		6 FT

REMARKS _____

TYPE OF SOIL _____
TESTED BY **B HODGES**

ALSO PRESENT **J POWELL**
K. KRISTENSEN

EH 12-1079

APPLICATION

SEWAGE DISPOSAL TESTING

A 34638

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT _____

DATE 12/4/84

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 John Powell (Contract purchaser - Kirk Christensen)

ADDRESS 5965 Settler dr Elkridge PHONE 796-5348

PROPERTY LOCATION:

SUBDIVISION One lot LOT NO. _____

ROAD AND DESCRIPTION Eliband Rd

SIZE OF LOT 1.5 ACRES TYPE BLDG. 11
(NUMBER OF BEDROOMS)

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. Kirk Christensen
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

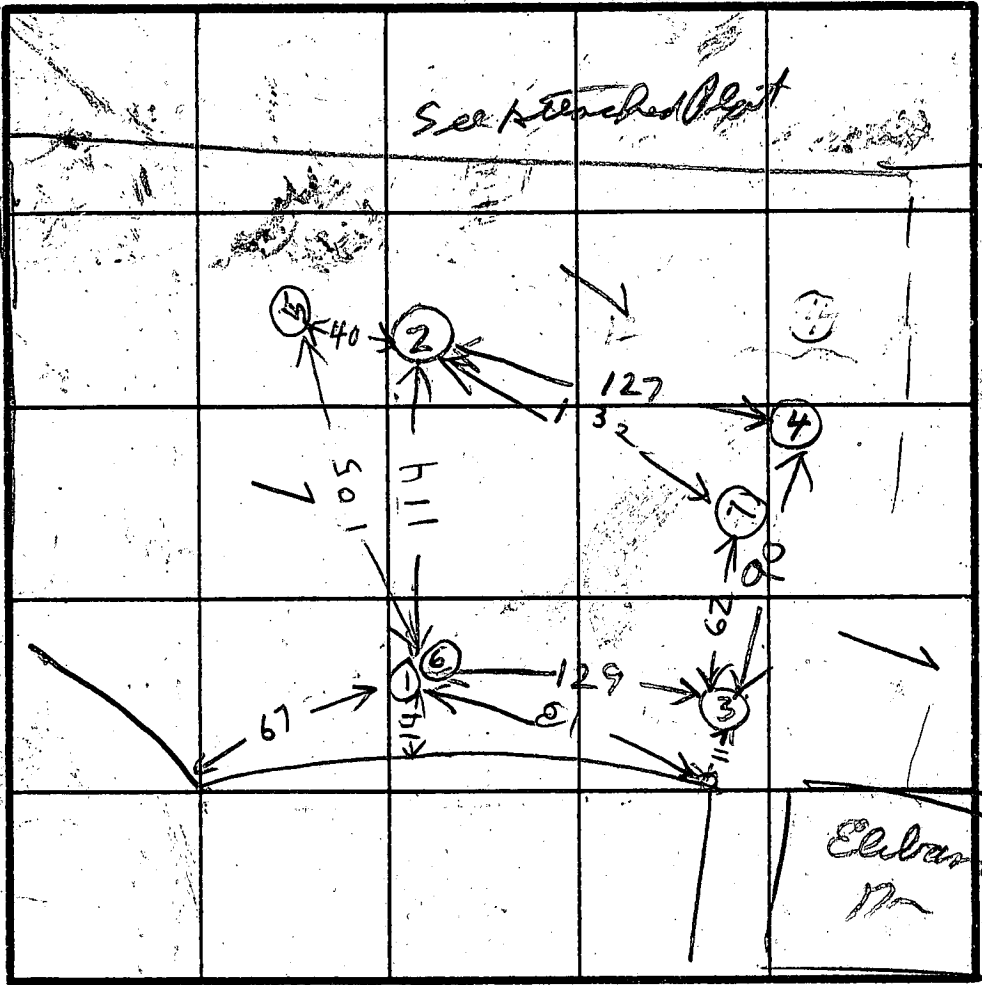
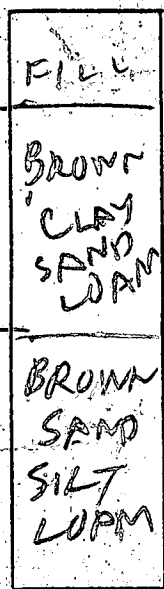
REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/10/84	1S	3	239	319	water	none	66 min
	1D	5	228	234	at	inch	
	* 1V	1 1/2	LOOK	SLOW	TOP	7F7	
	* 2S	3	253	254	254	254 1/2	
	3S	6 1/2	307	320	320	334	14
	2D	7 1/2	330	340	340	359	19
	3D	10 1/2	405	407	407	410	3
	3V	12 3/4	LOOKS	OK	BELOW	4F7	
	4V	6	LOOK	UNSATISFACTOR	(FILL)		
11/2/85	5S	5	151	152	153	153	1
	5D	8	157	at	inch	6 see 2nd inch	11 sec
	5V	12	LOOKS	OK	Below	3FT	SINCE

REMARKS

DUG IN FILL DIRT
CITY WATER HERE

TYPE OF SOIL

⑥ IS SAME LOCATION AS ①

TESTED BY

RHODGES

ALSO PRESENT

LEONARD PLETTER
JOHN HOWELL
KIRK CHRISTENSEN

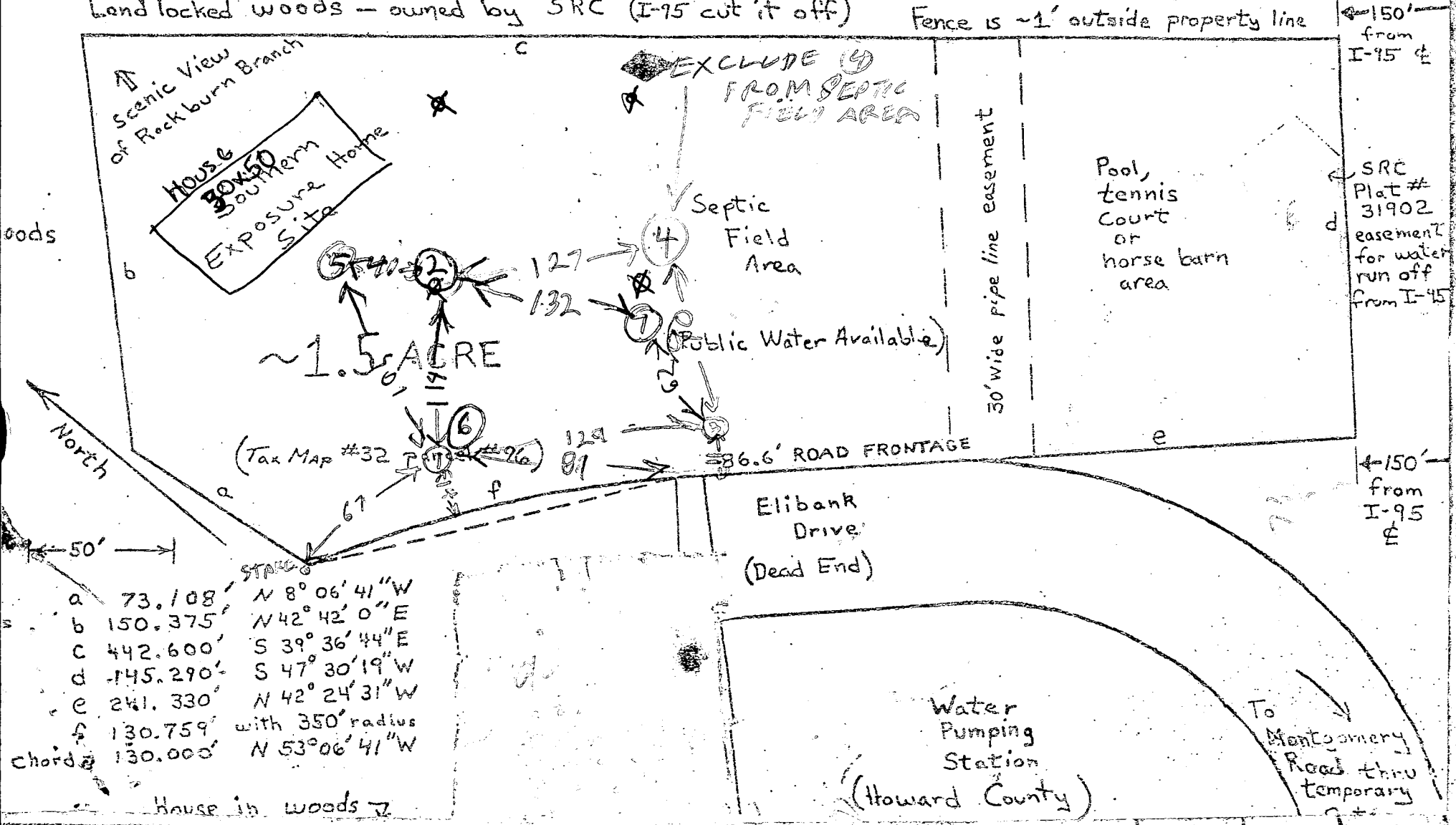
EH-12-1079

W E L L E

461-9933

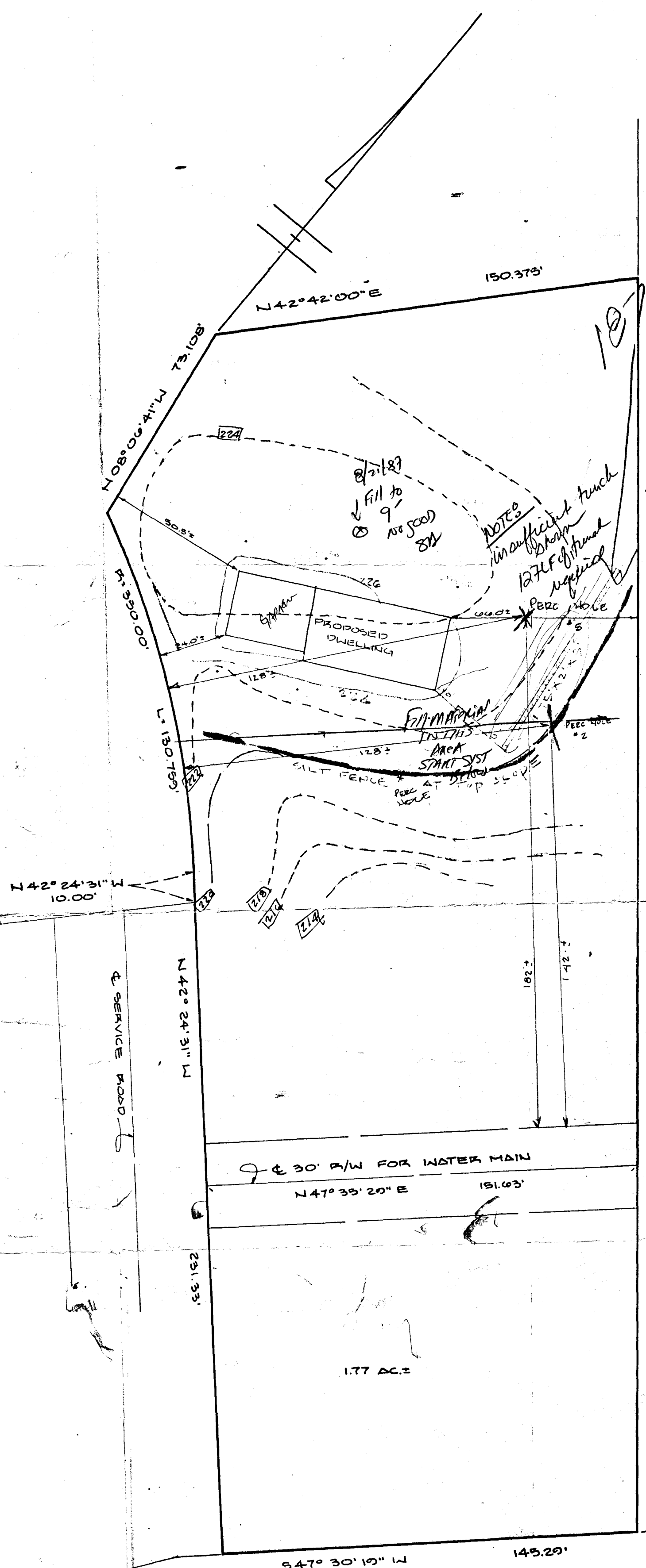
Land locked woods - owned by SRC (I-95 cut it off)

Fence is ~1' outside property line



SITE PLAN

6400 ELBANK DRIVE
 DEED REF: LIBER 1324 FOLIO 371
 FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: 2-18-87



at long
9 FT deep
at least 2' around

3-20-87
 Public water
 elevations ok with notes
 4BR Per permit
 S. Abel

REG. PERMIT SIGNED
 AND RETURNED 3-20-87

S. Abel
 BP# 10590

5-10 158/81
 REG. TRENCH
 EXIST. EL. = 221.00 ✓
 TOP STONE = 216.00 ✓
 BTH STONE = 211.00 ✓

TANK
 EXIST. EL. = 222.00 ✓
 INV. OUT = 216.30 ✓
 INV. IN = 216.50 ✓

HOUSE
 INV. = 216.70
 BSMT 218.70 ⊕ BSMT
 GAR = 226.40
 FF. = 227.70

RECEIVED
 HEALTH DEPT.
 HOWARD COUNTY
 18. MAR 16 6 02 AM '87



ELBANK
 DRIVE

INTERSTATE 95

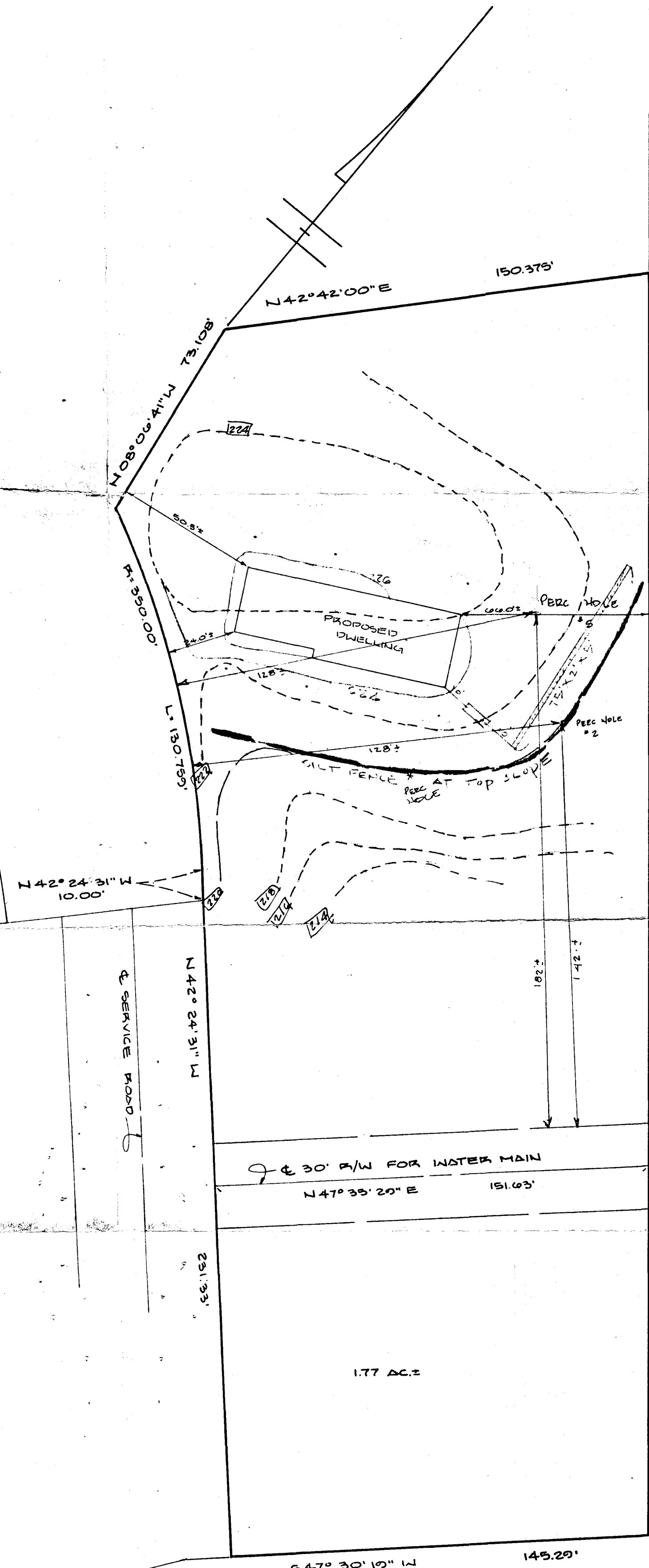
HUDKINS ASSOCIATES INC.
 ENGINEERS AND SURVEYORS
 SUITE 231, HARRERS CHOICE VIL. CTR.
 5486 HARRERS FARM ROAD
 COLUMBIA, MARYLAND 21044
 PHONE: 730-0000

OWNER
 KIRK P. CHRISTENSEN
 8321 GROVE ROAD
 ELLICOTT CITY, MD
 465-4681

SITE PLAN

6400 ELBANK DRIVE

DEED REF.: LIBER 1324 FOLIO 371
 FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: 2-18-87



*3/2/87
 elevations ok
 trade inefficient for
 46L house need 127 LF.
 8/8/87*

TRENCH
 EXIST. EL.: 221.00
 TOP STONE = 216.00
 BTM STONE = 211.00

TANK
 EXIST. EL.: 222.00
 INV. OUT = 216.20
 INV. IN = 216.50

HOUSE
 INV. 216.70
 BSMT 218.70
 GAR = 226.40
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ELBANK
 DRIVE

INTERSTATE 95

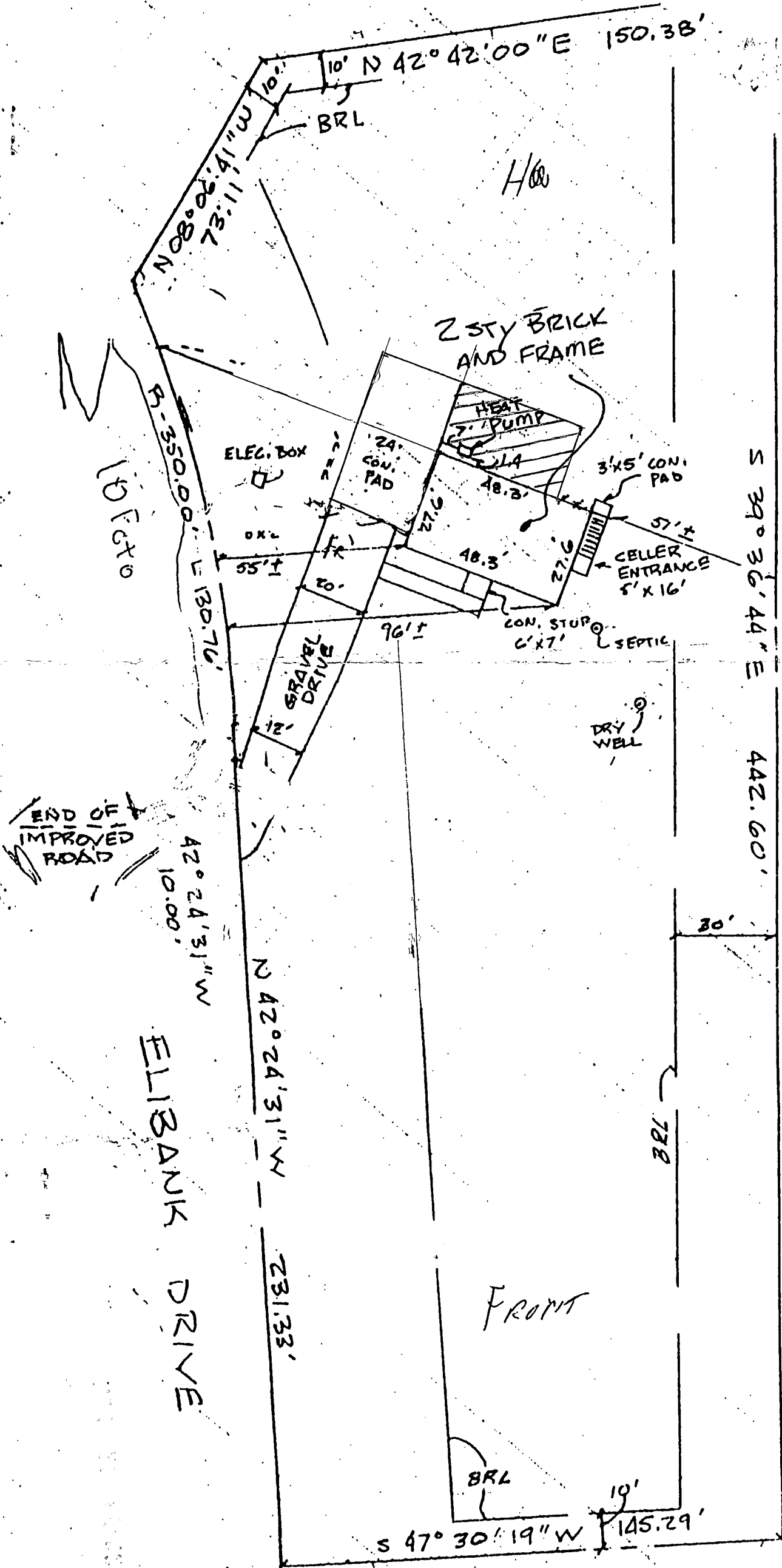
HUDKINS ASSOCIATES INC.
 ENGINEERS AND SURVEYORS
 SUITE 231, HARPERS CHOICE VIL. CTB.
 5485 HARPERS FARM ROAD
 COLUMBIA, MARYLAND 21044
 PHONE: 730-0060

OWNER
 KIRK B. CHRISTENSEN
 8321 GROVE ROAD
 ELLICOTT CITY, MD
 465-4631

BUILDING LOCATION PLAT

6400 ELIBANK DRIVE

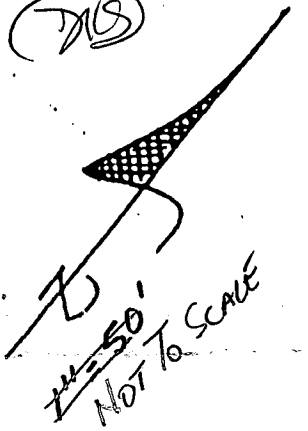
LIBER 1324 - FOLIO 371



5/27/98

Proposed family room addition as shown

(JMS)



NOTE: THIS PLAT IS NOT INTENDED FOR USE IN ESTABLISHMENT OF PROPERTY CORNERS



PROPERTY LINE SURVEYOR

Percolation Tests:

(10 December 1984 Results)

Hole [3] Passed:

shelf at 6½ feet drained 2nd inch in 14 min
 shelf at 10½ feet drained 2nd inch in 3 min

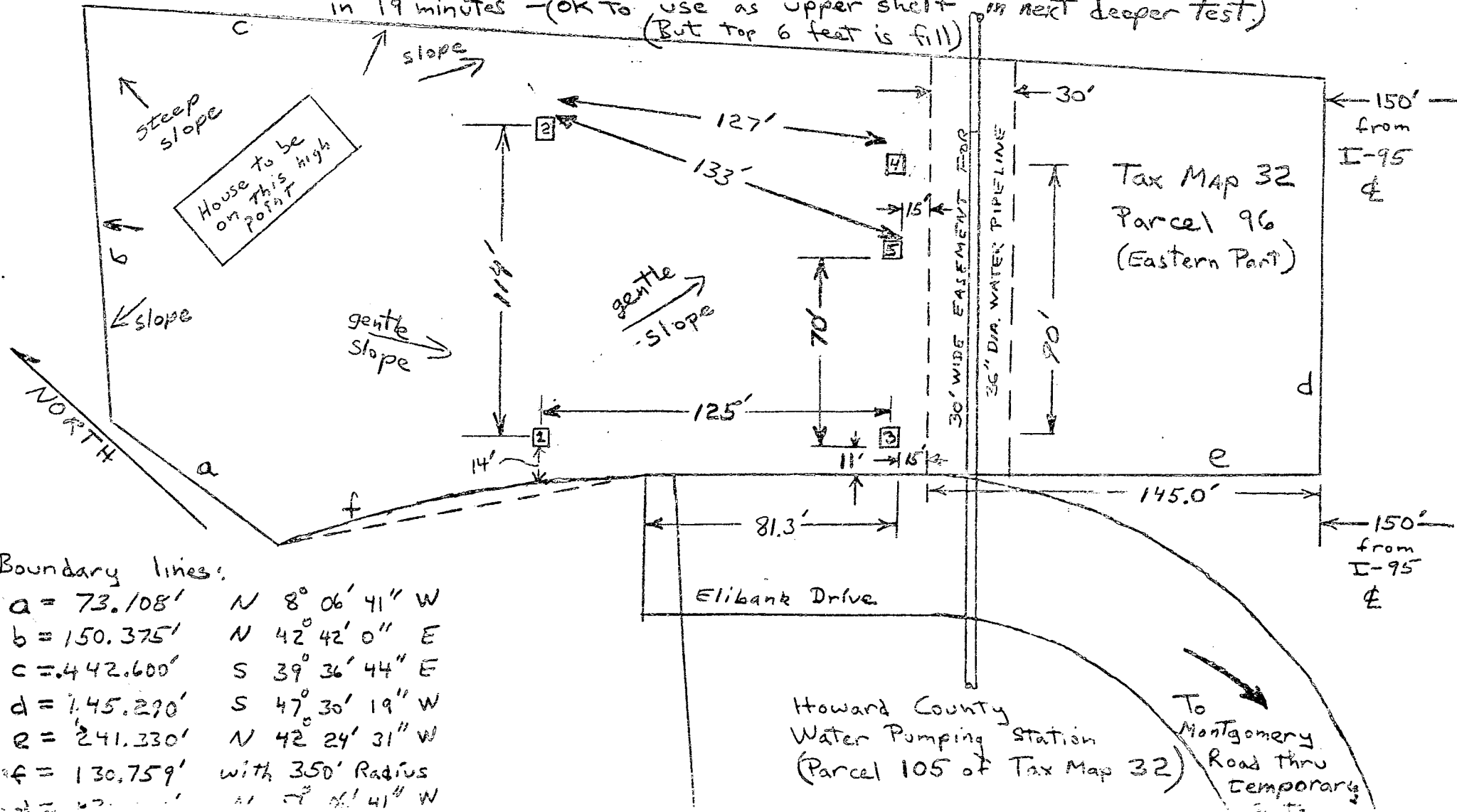
(Try deeper - 12 foot visual looked OK) Visual inspection OK down to 12¾ feet. (Back the limit was 13 feet)

Hole [2] shelf at 4 feet drained but was ruled invalid later as in fill dirt.

shelf at 7½ feet drained 2nd inch in 19 minutes

Hole [4] Never Tested (Fill dirt on rim of old soil) (Relocate to [5]) (Conservation water basin.)

(OK to use as upper shelf in next deeper test.) (But top 6 feet is fill)



Boundary lines:

a = 73.108'	N 8° 06' 41" W
b = 150.375'	N 42° 42' 0" E
c = 442.600'	S 39° 36' 44" E
d = 145.290'	S 47° 30' 19" W
e = 241.330'	N 42° 24' 31" W
f = 130.759'	with 350' Radius
	N 7° 06' 41" W

Howard County Water Pumping Station (Parcel 105 of Tax Map 32)
 To Montgomery Road thru Temporary