PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 5114606

A 56361-D

DISTRICT

INDEXED

DATE 3/18/99

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 3/19/99

05-426537

INSPECTOR

Jack Fyock Septic Services IS PERMITTED TO INSTALL X ALTER

ADDRESS P.O. Box 89, Triadelphia Road, Glenelg, Maryland 21737 PHONE 410-988-9270

SUBDIVISION Fulton Manor East LOT 7 ROAD 12313 Carol Drive

PROPERTY OWNER Larry Tyson

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 5 feet below original grade. Bottom maximum depth 7 feet below original grad. Effective area begins at 5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 110 feet off the left lot line and 75 feet off the rear lot line as seen when facing the lot from Carol Drive. Run trenches along 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. 1/8/98 OK AM

PLANS APROVED BY Donna K. Soe DATE 1-06-99

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 SIGNED AND RETURNED 11-4-99

PERMIT VOID AFTER TWO YEARS

Serial # 610 15117

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. propane tank

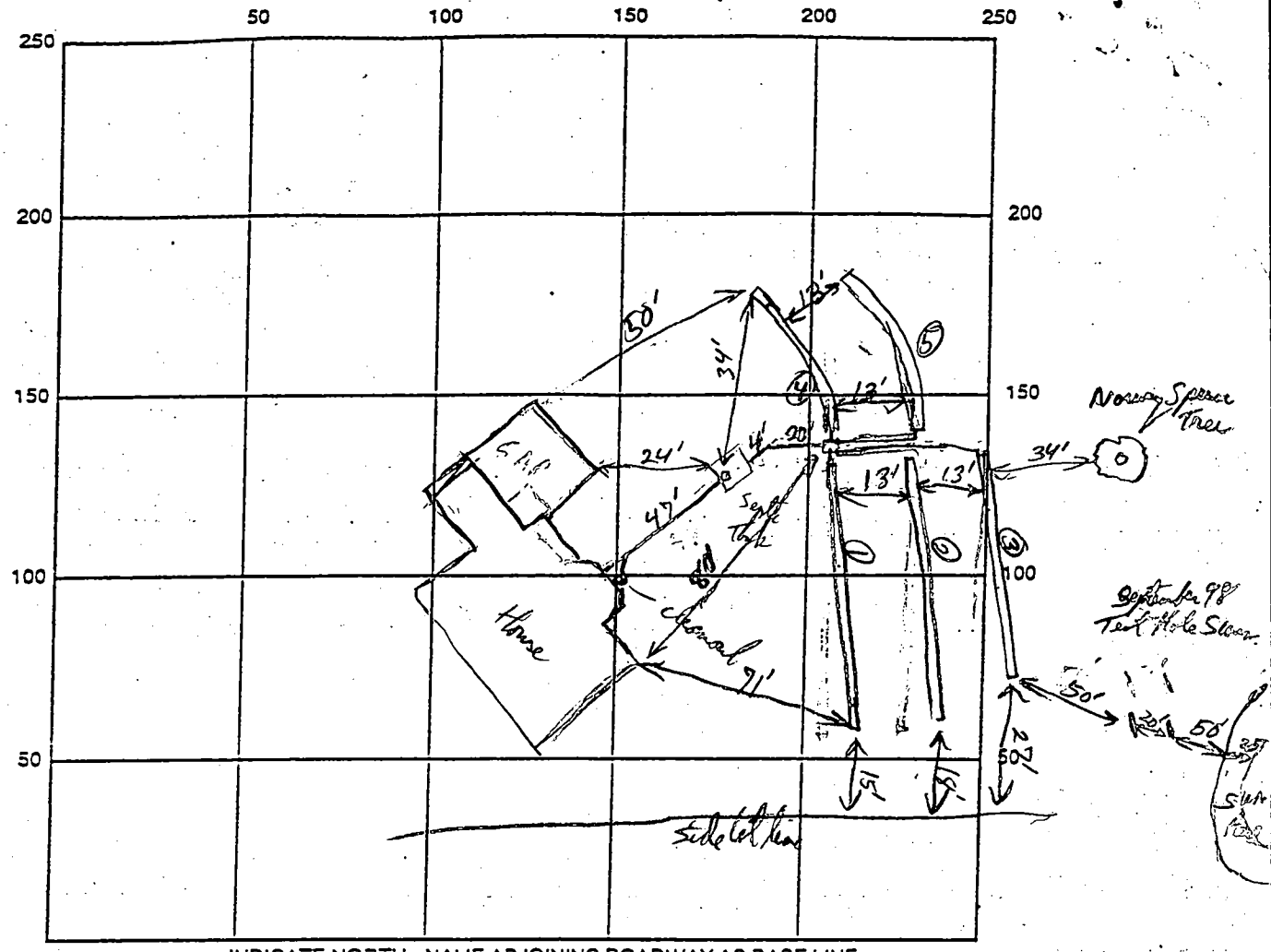
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

HD-260(6-90)

MW 5114606



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

1250 gallon - minimum Tank

SEPTIC TANK LEVEL ✓ CLEANOUTS Hse ✓ S.T. ✓

DISTRIBUTION BOX LEVEL ✓ (No Baffle, No Ant Leveler)

DRAIN FIELD/TITLE DEPTH 7' FT. TRENCH WIDTH 3 FT. INLET DEPTH 5 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH ~~69~~ / ~~69~~ / 60 / 41 / 41 = 280 L.F. Total

NUMBER OF TRENCHES 5 ~~ONE SIDEWALL~~ BOTTOM AREA 840 SQ. FT.

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

ABSORBENT AREA _____ SQ. FT.

REMARKS: Soils are Sandy Loam - Loam beginning at 2½ ft in all septic drainfield Trenches - Use this info for future repairs. House Connection OK, Septic Tank, Dist Box, First Four Trenches OK to cover. 5th trench (#3) OK to gravel fill and OK to Cover when finished. Rpt 3/19/99

DATE SYSTEM APPROVED 3/19/99 INSPECTOR [signature]

14/19/98
2:30

APPLICATION

PERCOLATION TESTING

A 511042

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

PREVIEW OK
PROPOSED ADJUSTMT TO S.D.A.,
"NON-WET SEASON"
± 100' TO SWM
25' ELEV. DIFF TO WETLANDS (CW)

DISTRICT _____

DATE 10/15/98

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 Larry Tyson

ADDRESS 5984 Trotter Road Clarksville PHONE 410 531 5234

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Fulton Manor East LOT NO. 7

ROAD AND DESCRIPTION 12313 Carol Drive

BLDG. PERMIT SIGNED AND RETURNED 1-6-99
Serial # B701155523

TAX MAP 40 PARCEL # 131

SIZE OF LOT ONE Acre TYPE BLDG. SFD - 4 Bdrm
(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. _____
(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 _____

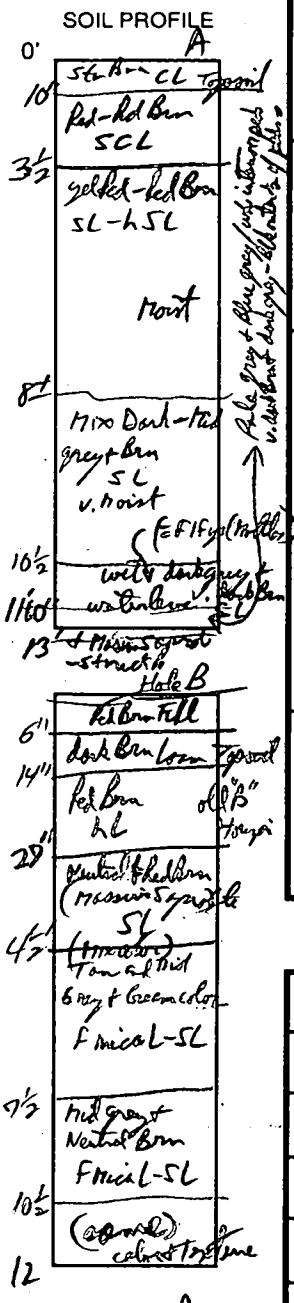
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

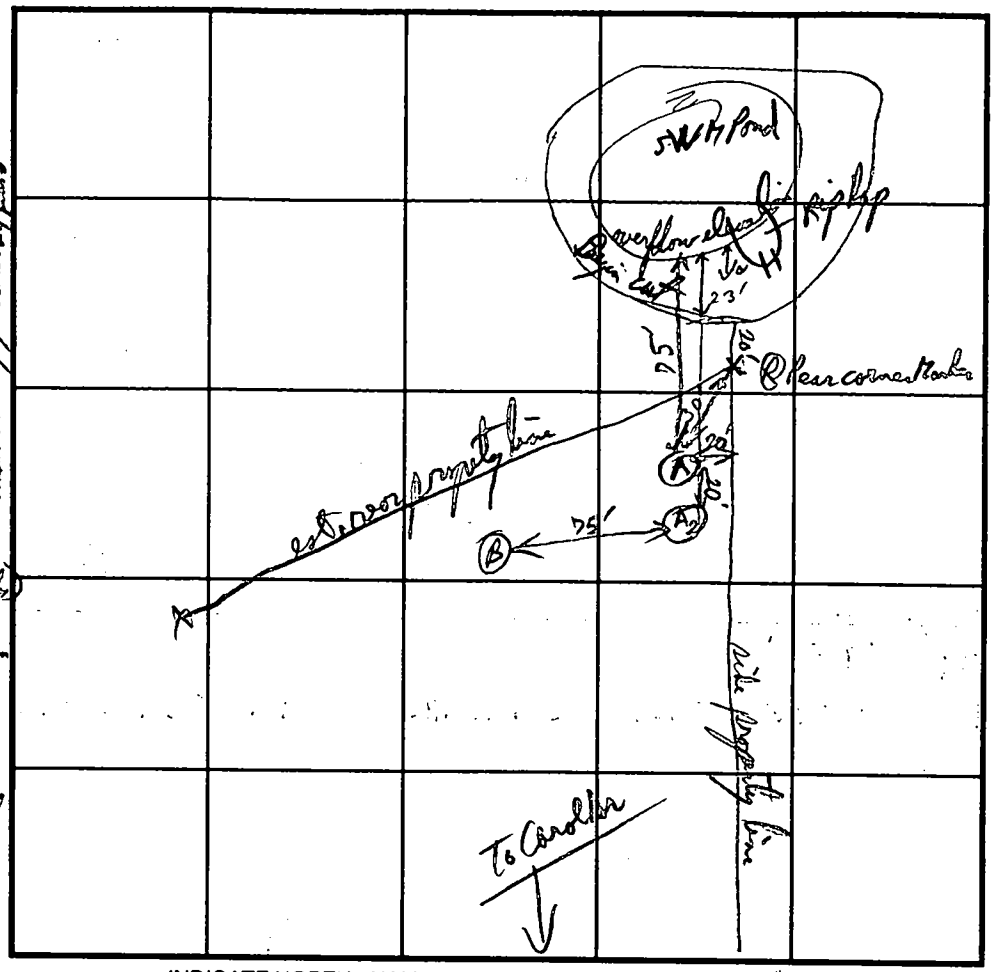
THIS IS NOT A PERMIT

HD-216 (3/92)

A 511042 Repeat Lot 7 Fulton Manor East
COUNTY #

SOIL PROFILE





SOIL PROFILE
0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
10/19/98	A (Hole too close to SWM pond)	11' 4½	water @ 11'10"	wet @ 10½ + loam		3:17	3½ min
	A2	3½	3:58:25	3:59:25	4:00:00	4:02:08	2½ min
	B	3½	3:56	3:58:00	3:58:00	4:02:00	2 min

Nad lu ST

Check SWM Pond and Drainage easements on (R) Lotline and 50 ft Hole A (R) Rear corner

REMARKS Hold for wet season.

TYPE OF SOIL Glendy, Chester(

TESTED BY R Powell ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3 min TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT/BEDROOM

5984 Trotter Road
Clarksville, Md. 21029

April 30, 1998

Mr. Ronald Pinkley
Howard County Bureau of Environmental Health
3525-H Ellicot Mills Drive
Ellicott City, Md. 21043

Re: Fulton Manor East
Lot # 7, Carol Drive

Dear Mr. Pinkley,

Thank you for meeting with me on Friday, April 24 to discuss the perk field on Lot # 7 which I have a contract to purchase. I am interested in moving the septic reserve area as far back on the lot as possible in order to make room for a house and swimming pool. According to your field notes, the percolation rate was better as we moved toward the back of the lot, so there should be no problem with relocating without further field tests. I am enclosing a drawing showing the proposed footprint for my house, driveway, swimming pool and storage building as well as the existing topography. The septic area shown encloses approximately 10,025 sq. ft. of area and will accommodate more than 850 linear feet of trench following grade. The area that is clipped off the rear corner of the lot represents a setback from the storm water pond behind the property. We have maintained a clearance of 90 - 100 feet from the level of the overflow pipe in the storm water pond. If this plan will satisfy your criteria for the septic area, I will proceed with site plans and will send through permit drawings in the near future. If you need any further information from me, you may reach me at 410 531 5844.

Thank you for your help.

Sincerely,

Larry Tyson

APPLICATION

PERCOLATION TESTING

A 56361D

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 12-5-95

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 BOWEN AND BRANSON

ADDRESS HALL SHOP ROAD HOWARD CO, MD. PHONE _____

AGENT OR PROSPECTIVE BUYER DEVELOPER LAND DESIGN AND DEVELOPMENT, INC.

ADDRESS 10805 HICKORY RIDGE COLUMBIA MARYLAND 21044 PHONE 740-2100

PROPERTY LOCATION:

SUBDIVISION FULTON MANOR EAST LOT NO. ReLin 4 Final Lot 7

ROAD AND DESCRIPTION CAROL DRIVE & POINT RIDGE DRIVE OFF OF PLEASANT VIEW DRIVE

TAX MAP 40 & 41 PARCEL # _____

SIZE OF LOT 40,000 S.F. ± TYPE BLDG. SFD
(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. Robert H Weber AGENT LDD
(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

HD-216 (3/92)

A56361D

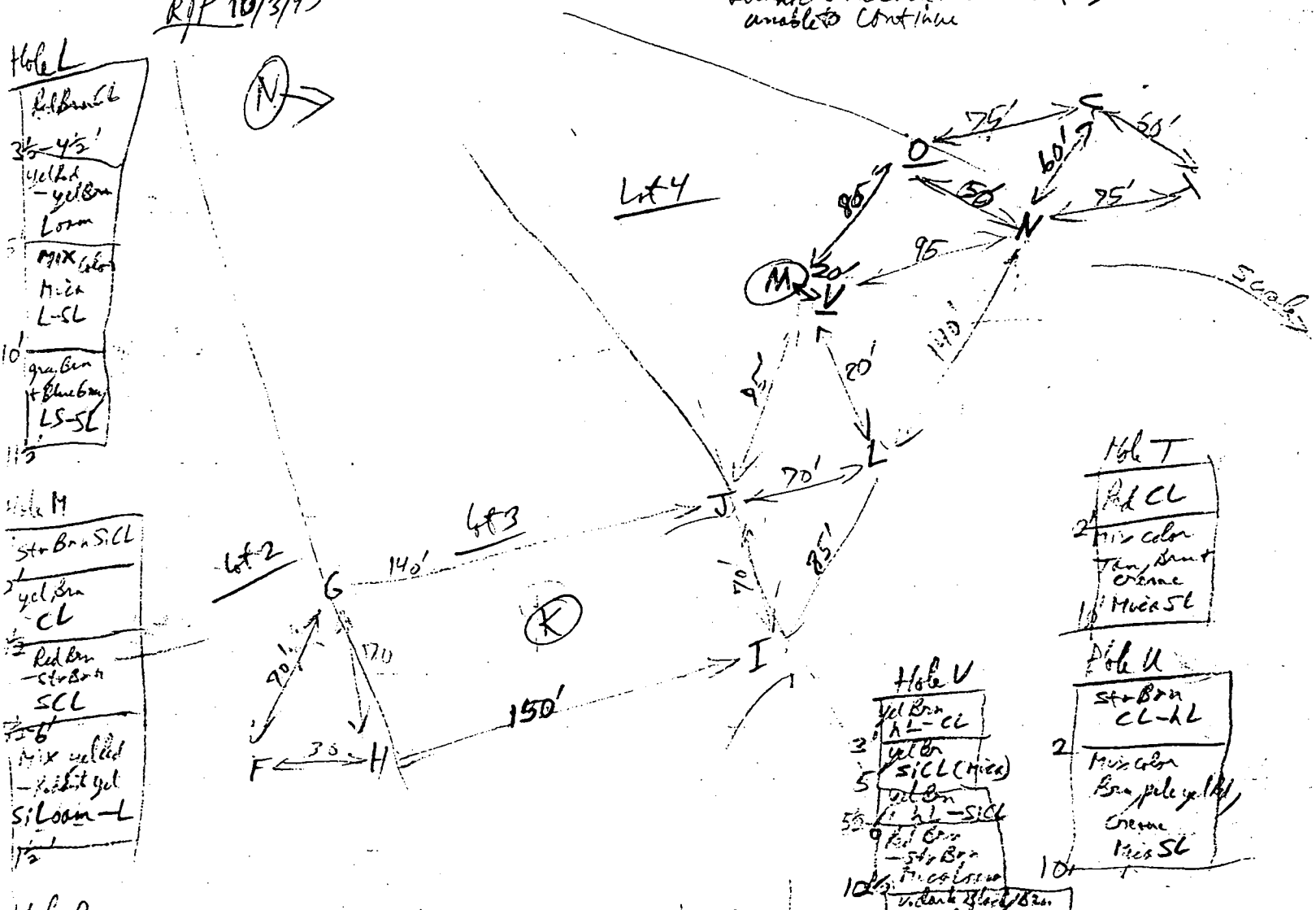
Lot 4

Carol Drive

Lot 5

RIP 10/3/95

Backhoe Broke Down Near End of Day unable to Continue

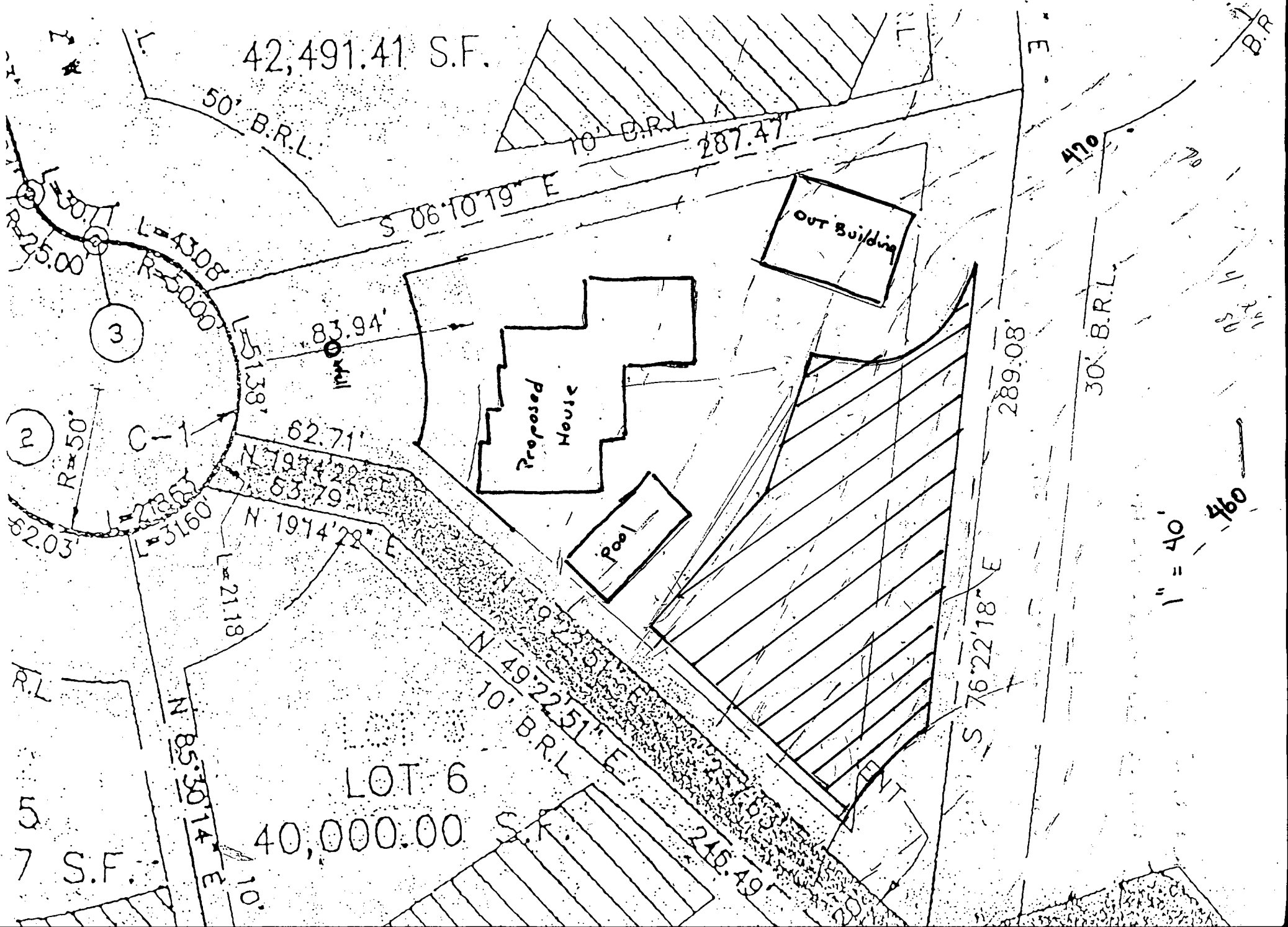


				Begin	Started	2nd check	
10/3/95	(313) L	V 11½	4'	1:21:00	1:35:00	1:50:00	15 min
	(M)	V 11½	4	1:40:00	1:50 pulled	No Movement	← Fail (Rate too slow to at least 1/4" deep)
		Ring	5½	3:29:00	[Pulled @ 3:39:00 water outlet at Lot Val]		Too Slow
	(315) O	V 12'	4½	1:41:00	1:46:00	1:51:30	5 min
	(314) N	V 10½	4½	1:43:00	1:47:00	1:57:00	10 min
10/13/95	T	V 10'	Visual only	— looks OK below 2 ft			
	U	V 10'	Visual only	— looks OK below 2 ft			
	V	V 13'	6'	4:03:50	4:05:00	4:07:00	

Specs

First system:
Inlet @ 6', Max Bottom 7'
3' wide, 2 ft stone fill
10 Min/ac per Hole
= 210 L.F./Bdr

RP 1/28/98


42,491.41 S.F.
50' B.R.L.
70' B.R.L.
287.47'
S 06°10'19" E
OUT Building
Proposed House
Pool
83.94'
Well
51.38'
62.71'
N 79°14'22" E
63.79'
N 19°14'22" E
C-1
R=50'
L=21.83'
L=31.60'
62.03'
L=21.18'
R=25.00'
L=30.77'
R=50.00'
L=43.08'
R=50.00'
3
2
N 49°22'51" E
10' B.R.L.
246.49'
N 85°30'14" E
10'
LOT 6
40,000.00 S.F.
5
7 S.F.
289.08'
S 76°22'18" E
30' B.R.L.
470
460
1" = 40'
B.R.

10/22/98

10/9/98 MET WITH OWNER — HE WILL "DRESS UP" THIS PLAN FOR H.D. SIGNATURE (HOUSE & POOL TO BE MOVED FURTHER FORWARD ON LOT)

Ron Pinkley.

Dept of Environmental Health.

This is my proposed Septic Reserve Area For LOT 7 Fulton Manor East. I have allowed 10,000 SF By my calculations

I have drawn tentative locations of structures

we are filing for an adjustment of the Front Setback requirement which, if approved, will let us move a little further from the septic Area.

Please let me know if there are any problems with the layout as shown so we can resolve them before we apply for the building permits

Thanks for your help.

RECEIVED
OCT 22 1998
HARD COUNTY HEALTH DEPARTMENT

Larry Tyson
410 531 5234
5984 Trotter Rd
Clarksville Md 21029

- NOT SENT

PERC CERT PLAN
SUBMITTED & SIGNED 11/18/98 CW

November 9, 1998

Larry Tyson
5984 Trotter Rd.
Clarksville, Md.

Re: Percolation Testing
Proposed adjustment to
recorded sewage easement
Lot 7 Fulton Manor East
Carol Drive

Dear Mr. Tyson,

Percolation testing conducted October 19,1998 on the above referenced property produced mixed results. Although some test results were satisfactory, shallow depth to groundwater table precluded adjustment of the septic easement to the maximum extent you had proposed. Copies of test results are enclosed.

Further review is contingent upon submission of a percolation test certification plan showing field located test holes, the proposed amendment to the sewage disposal easement and other routine detail as we discussed in the office this date.

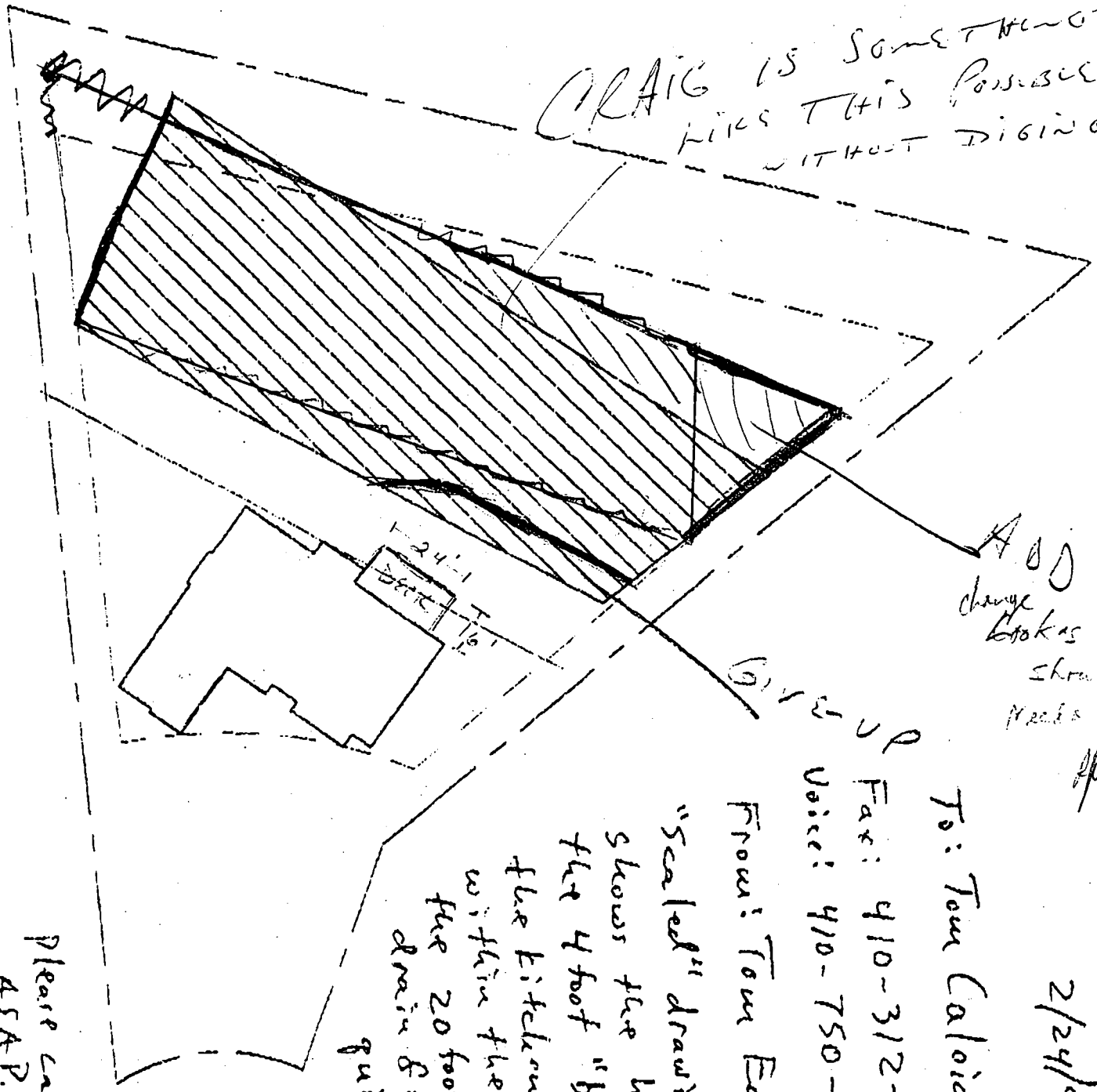
Please feel free to contact me at this office if you have any further questions about this matter.

Yours truly,

Craig Williams, Sanitarian

Fulton Manor East lot 7
Carol Drive

FEB 24 '98 10:04 FROM MAC DONALD
FEB 24 '98 11:32 FR DMJM - BALTIMORE 410+575+1327 TO 4107725999 P.01/01 F.1



2/24/98

To: Tom Caloia
Fax: 410-312-7966
Voice: 410-750-3966 (Cell)
From: Tom Edwards (410-6

"Scaled" drawing which shows the house with the 4 foot "bump-out" in the kitchen. It fits within the BRL and the 20 foot buffer to the drain field. Need quick decision. How deep from Top

Please call ASAP.

E1329836.397 N55149

PRESERVATION PARCEL 'A'
26.42 ACRES
TO BE OWNED BY GERALD & PATRICIA BOWEN

SWM, DRAINAGE, MAINTENANCE ACCESS & UTILITY EASEMENT

POSS. ADJUSTMENT FOR DECK
MR 2/24/98

WATER QUALITY POND

LOT 7
40,000 S.F.

LOT 8
42,491.41 S.F.

LOT 6
40,000 S.F.

LOT 5
42,585.27 S.F.

LOT 4
47,060.38 S.F.

LOT 7

LOT 6

OPEN SPACE

WETLANDS

100-YR FLOODPLAIN

75' STREAM BUFFER

STREAM 'B'

20' LANDSCAPE BUFFER No. 1

20' LANDSCAPE BUFFER No. 3

LIMIT OF CONSTRUCTION

PLEASANT VIEW DRIVE

CAROL DRIVE

N 552250
E 1329500

N 551250
E 1329500

N 05°43'05" E 342.20'

S 10°04'42" E 342.20'

S 13°44'48" E 45.77'

N 66°33'56" W 525.90'

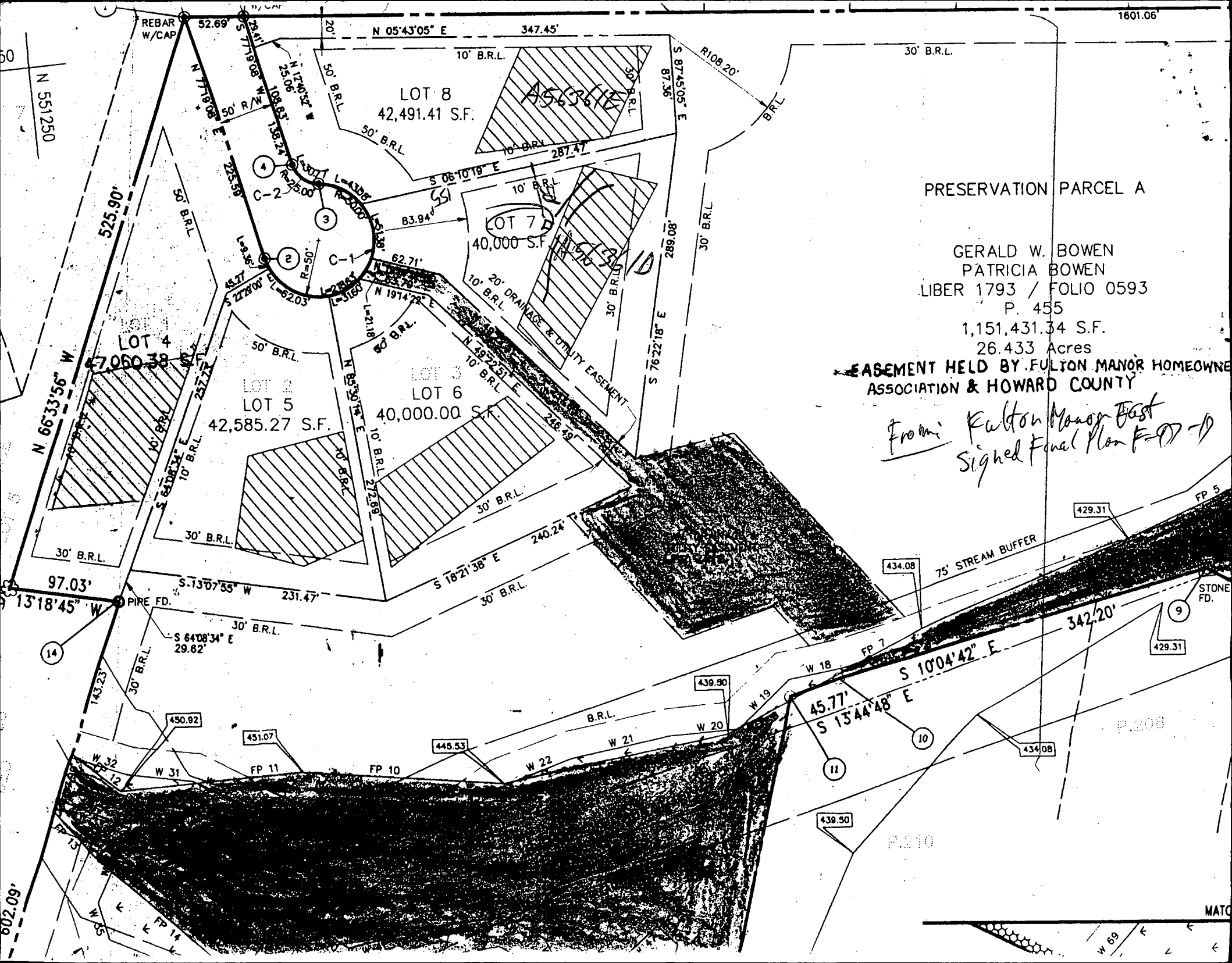
S 15°18'44" W 97.03'

R108.20'

PROPERTY
WILSON & J
LIBER 3475
ZONED RR

From Signed Prelim
Fulton Manor East

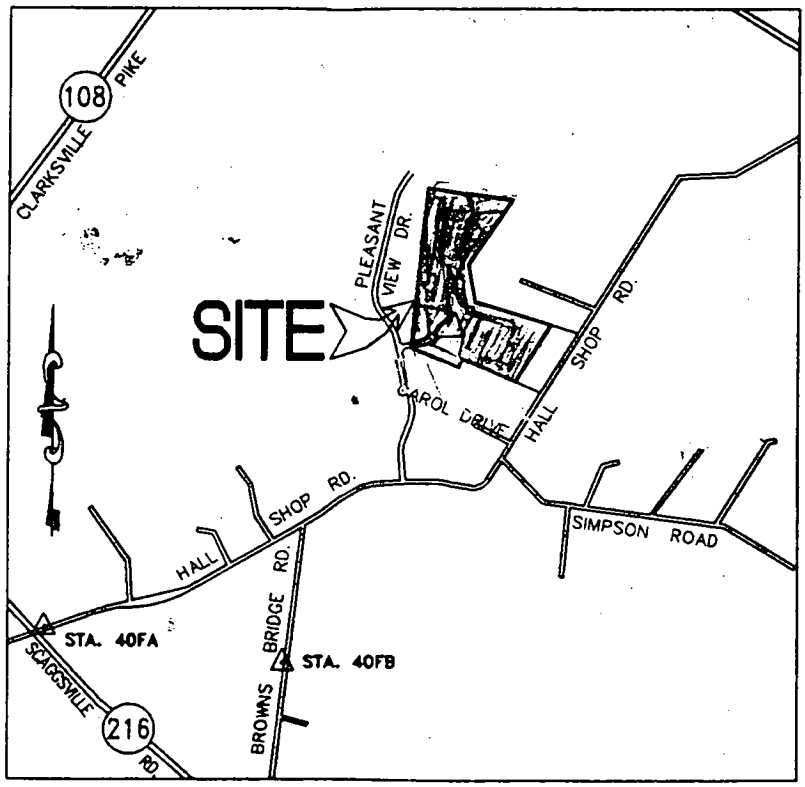
PLAN
SCALE : 1" = 100'


PRESERVATION PARCEL A
GERALD W. BOWEN
PATRICIA BOWEN
LIBER 1793 / FOLIO 0593
P. 455
1,151,431.34 S.F.
26.433 Acres
EASEMENT HELD BY FULTON MANOR HOMEOWNE
ASSOCIATION & HOWARD COUNTY
From: Fulton Manor East
Signed Final Plan F-77-19
LOT 8
42,491.41 S.F.
LOT 7
40,000 S.F.
LOT 6
40,000.00 S.F.
LOT 5
42,585.27 S.F.
LOT 4
47,060.38 S.F.
LOT 3
LOT 2
C-1
C-2
20' DRAINAGE & UTILITY EASEMENT
75' STREAM BUFFER
REBAR W/CAP
PIPE FD.
STONE FD.
N 05°43'05" E 347.45'
S 87°45'05" E 87.36'
R108.20'
S 06°10'19" E 287.47'
S 76°22'18" E 289.08'
N 66°33'56" W 525.90'
N 13°18'45" W 97.03'
S 13°07'55" W 231.47'
S 18°21'38" E 240.24'
S 10°04'42" E 342.20'
S 13°44'48" E 45.77'
S 64°08'34" E 29.62'
N 49°22'51" E 246.49'
N 19°14'22" E 272.69'
N 85°30'14" E 257.77'
S 64°08'34" E 257.77'
N 77°19'08" W 225.59'
N 77°19'08" W 108.83'
N 12°40'52" W 25.06'
S 77°19'08" E 29.41'
N 55°12'50
1601.06
B.R.L.
10' B.R.L.
20' B.R.L.
30' B.R.L.
50' B.R.L.
50' R/W
FP 5
FP 7
FP 10
FP 11
FP 12
FP 13
FP 14
W 18
W 19
W 20
W 21
W 22
W 31
W 32
W 65
W 69
429.31
434.08
439.50
445.53
450.92
451.07
MATC

9	C-3	325.00'	56.99'	45.51'	56.98'	S 48°55'45" E	05°27'51"
9	C-4	135.00'	76.10'	39.09'	75.10'	S 28°00'52" E	32°17'51"
10	C-5	310.00'	55.02'	27.58'	54.95'	S 49°14'52" E	10°10'09"
10	C-6	120.00'	67.64'	34.75'	66.75'	S 28°00'52" E	32°17'51"

RESERVATION OF PUBLIC UTILITY AND FOREST CONSERVATION EASEMENTS

"DEVELOPER RESERVES UNTO ITSELF, ITS SUCCESSORS AND ASSIGNS ALL EASEMENTS SHOWN ON THIS PLAT FOR WATER, SEWER, STORM DRAINAGE, OTHER PUBLIC UTILITIES AND FOREST CONSERVATION (DESIGNATED AS "FOREST CONSERVATION AREA"), LOCATED IN, ON, OVER AND THROUGH 1 THROUGH 10. ANY CONVEYANCES OF THE AFORESAID LOTS SHALL BE SUBJECT TO THE EASEMENTS HEREIN RESERVED, WHETHER OR NOT EXPRESSLY STATED IN THE DEED(S) CONVEYING SAID LOT(S). DEVELOPERS SHALL EXECUTED AND DELIVER DEEDS FOR THE EASEMENTS HEREIN RESERVED. TO HOWARD COUNTY, WITH A METES AND BOUNDS DESCRIPTION OF THE FOREST CONSERVATION AREA. UPON COMPLETION OF THE PUBLIC UTILITIES AND THEIR ACCEPTANCE BY HOWARD COUNTY, AND IN THE CASE OF FOREST CONSERVATION EASEMENT(S), UPON COMPLETION OF THE DEVELOPER'S OBLIGATIONS UNDER THE FOREST CONSERVATION INSTALLATION AND MAINTENANCE AGREEMENT EXECUTED BY THE DEVELOPER'S SURETY POSTED WITH SAID AGREEMENT, THE COUNTY SHALL ACCEPT THE EASEMENTS AND RECORD THE DEED(S) OF THE EASEMENT IN THE LAND RECORDS OF HOWARD COUNTY."



VICINITY MAP

SCALE 1" = 2000'

THE REQUIREMENTS §9-108, THE REAL PROPERTY ARTICLE, ANNOTATED CODE OF M/ VOLUME, (AS SUPPLEMENTED) AS FAR AS THEY RELATE TO THE MAKING OF THIS PLA MARKERS HAVE BEEN COMPLIED.

SURVEYOR: John C. Mellema
JOHN C. MELLEMA SR.

OWNERS: Ronald W Baum 12-18-96 Patricia L Baum 12-18-96

Page ____ of ____
Date Feb 11 1998

Review OLC KM 2/27/98

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-1396
Location of property (road) Carol Drive
Subdivision Fulton Manor East Lot 7 Block ____ Plat ____ Sec. ____
Well Driller R. Mayne Owner Hamilton Reed

Depth of well 245'
Distance of measuring point (M.P.) above ground 2 ft
Static water level (S.W.L.) below M.P. 27'

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 12 GPM
Total time 15 min. to reach pumping water level 110 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 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:45	110 ft	15 Sec		4 GPM
9:00	110 "	15 Sec		4 GPM
9:15	110 "	15 Sec		4 GPM
9:30	110 "	15 "		4 "
9:45	110 "	15 "		4 "
10:00	110 "	15 "		4 "
10:15	110 "	15 Sec		4 GPM
10:30	110 "	15 Sec		4 GPM
10:45	110 "	15 Sec		4 GPM
11:00	110 "	15 "		4 "
11:15	110 "	15 "		4 "
11:30	110 "	15 Sec		4 GPM
11:45	110 "	15 Sec		4 GPM

HD-224

64 ft Casing 30+ open 16 Bags

C 1 | 8543 | SEQUENCE NO. (MDE USE ONLY)

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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 A56361 D

ST/CO USE ONLY
DATE Received MM 2 DD 27 YY 98

DATE WELL COMPLETED MM 02 DD 11 YY 98

Depth of Well 245 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1396

OWNER Hamilton Reed (last name / first name)

STREET OR RFD Carol Drive TOWN Highland

SUBDIVISION Fulton Manor East SECTION 1 LOT 7

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	FEET TO	check if water bearing
Top Soil	0	2	
Sandy	2	50	W
Sand Stone	50	55	
MICKA	55	80	
Sand Stone	80	85	W
MICKA	85	245	

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED yes [Y] no [N]

CIRCLE APPROPRIATE LETTER
- A — A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
- E — ELECTRIC LOG OBTAINED
- P — TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. MSD 116

Ralph E. Moore
DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. MSD 112

Ralph E. Moore

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) yes [Y] no [N]

TYPE OF GROUTING MATERIAL (Circle one)
CEMENT [CM] BENTONITE CLAY [BC]

NO. OF BAGS 16 NO. OF POUNDS 1600

GALLONS OF WATER 96

DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 30' ft.
(enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below

[ST] STEEL [CO] CONCRETE [PL] PLASTIC [OT] OTHER

MAIN CASING TYPE	Nominal diameter top (main) casing (nearest inch)!	Total depth of main casing (nearest foot)
PL	6	64'

OTHER CASING (if used)

EACH CASING	diameter inch	depth (feet) from	to

SCREEN RECORD
screen type or open hole — insert appropriate code below

[ST] STEEL [BR] BRASS BRONZE [HO] OPEN HOLE [PL] PLASTIC [OT] OTHER

DEPTH (nearest ft.)

EACH SCREEN			
1	40	62	245
2			
3			

SLOT SIZE 1 ____ 2 ____ 3 ____

DIAMETER OF SCREEN ____ (NEAREST INCH)

	from	to
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68		

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

T (E.R.O.S.) W Q

TELESCOPE CASING | LOG INDICATOR | OTHER DATA

C 3 — PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 4.

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 27 ft.

WHEN PUMPING 110 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 (CIRCLE) (YES or NO) 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.

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

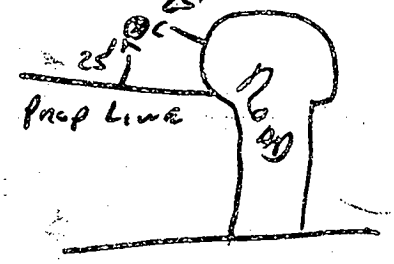
PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)
- [+] above LAND SURFACE
- [−] below

2 (nearest) foot

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)



COUNTY

SEND REPORT TO:

DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Laboratories Administration
201 W. Preston St.
P.O. Box 2355, Baltimore, Maryland 21203
J. Mehsen Joseph, Ph.D., Director

Lab No. Date Received

C802135 2 12 8

Do not write above this line.

WATER ANALYSIS

SAMPLE ID

Bottle Number HO-2824 Name _____ County HOWARD County Code 13

Source FULTON MANOR COT7 CAROL OR Data Category Code 4F

Collected: Date 2/11/98 Time 11:40 Collector & Phone G. SAVAGE 410313-2640 Submitter Code

CHECK (one per box)

Drinking Water ☑	Community ☐	Source (raw water) ☑	Emergency ☐
Landfill ☐	Non-community ☐	Distribution (treated) ☐	Routine ☑
Stream ☐	Private ☑	MCL ☐	Recheck ☐
Other ☐	Other ☐		Special ☐

Federal Project 5

FIELD

Plant No. Sampling Station Preservation: Iced ☑ Acid ☑ Type of Acid H2SO4

pH Chlorine: Free Total Specific Conductance

Notes to Lab/Remarks: WELL TAG # HO-94-1396

CHECK TESTS	TESTS	CODES	ERROR CODE	G/L	RESULTS	DATE ANALYZED	ANALYST INITIALS
	Alkalinity (Total)	00410					
	Alkalinity, Ca CO_3 Sat.	74023					
	Ammonia - N	00608					
	Chloride	00940					
	Color*	00081					
	Conductance*, spec.	00095					
	Dissolved Solids	70300					
	Hardness	00900					
	Fluoride	00951					
	Nitrite, N	00615					
✓	Nitrate - Nitrite, N	00630			3.8	02-12-98	BK
	pH*, Ca CO_3 Sat.	70311					
	Sulfate	00945					
	Total Solids	00500					
	Turbidity*	00076					
	Other:						

* Results reported in Units, all others in milligrams per liter (ppm)

Number of Tests Requested 65

Section Chief D. MILLER-TUCK
SUBMITTER'S COPY

Date Reported FEB 18 1998

DHMH 90-A 10/93

Partial List of Submitter Codes

Code	Description
1-30	County Codes
41	Individual Septics & Wells Program
42	Water Supply Program
43	Recreational Sanitation & Migrant Camps, DHMH
44	STP Inspection Division
45	Hazardous & Solid Waste Admin. (Landfill Samples)
46	Pre-Treatment Enforcement Division
48	Licensing and Certification, DHMH
52	Water Quality Monitoring Program
53	Chesapeake Bay & Special Projects
59	Standards & Certification Program
63	Division of Food Control
64	Engineering & Maintenance, DHMH
65	Division of Community Services
66	Office of Attorney General
67	Dept. of General Services
77	E.P.A.
91	State Highway Administration
96	L.U.S.T./U.S.T./CERCLA
99	Unknown

Codes for Federally Funded Projects (leave box blank if not federal)

Code	Description
S	Safe Drinking Water Act (SDWA)
R	Resource Conservation and Recovery Act (RCRA)
N	National Pollution Discharge Elimination System (NPDES)
M	Miscellaneous (Other)

Partial List of Data Category Codes

Code	Description
1F	Sediment Samples
2A	Industrial Effluents/Compliance
2B	Industrial Grab
2C	Municipal Compliance
2D	Municipal Grab
4A	MCL Surveys
4B	Routine Monitoring & Other Communities
4D	Potable - County Community
4E	Potable - Non Community
4F	Potable - Private Wells
4G	Real Estate Trans./Charge Samples
2F	Innovative Disposal
5A	Solid Waste/Landfills
5B	Kidney Dialysis
5C	Commercial Bottled Waters
5D	Misc. Wastewaters
5E	Misc. River/Stream
5F	Misc. Drinking Water
5G	Swimming Pools
5H	Marine or Estuarine Natural Bathing Areas

Partial List of Error Codes

Code	Description
A	Laboratory Accident
C	Mechanical/Materials failure
D	Insufficient Sample
E	Sample past holding time
J	Wrong sample type
RR	No sample received
X	Improper preservation
LL	Mislabeled sample

Page ____ of ____
Date ____

2/11/98 9:00 3Hr S Review ____

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-396
Location of property (road) Carol Drive
Subdivision Fulton Manor East Lot 7 Block ____ Plat ____ Sec. ____
Well Driller R. Mayne Owner Hamilton Reed

Depth of well 245'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 27

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 12 GPM
Total time 15M to reach pumping water level 110 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 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:45	110	15 SEC		4 GPM
↓				
11:45	110	15 SEC		4 GPM
			2/11/98	
			LOCATION O/C	
			WATER CLEAR	
			6" CASING	
			30 OPEN	
			16 BAGS GROUT	
			SAMPLE @ 11:40	

HD-224

STATE USE INDUSTRIES
JESSUP, MD 20794

EMERGENCY/TEMP NO. IF ANY

B 1 | 8720 | SEQUENCE NO. (MDE USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER: H0-94-1396
fill in this form completely.

Date Received (APA): 01/20/98

OWNER INFORMATION

Hamelton E Reed
Last Name | Owner | First Name

10805 Hickory Ridge
Street or RFD

Columbia MD 21044
Town | State | Zip

DRILLER INFORMATION

CIRCLE: MSD / MGD / MWD

Ralph Mayne
Driller's Name

Ralph Mayne well Drilling
Firm Name

9120 Brown Church Rd. Mt Airy
Address

Ralph Mayne 1-16-98
Signature | Date

License No. 116

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 999

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)

APPROXIMATE DEPTH OF WELL: 150 FEET

APPROXIMATE DIAMETER OF WELL: 6" NEAREST 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

REPLACEMENT OR DEEPENED 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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
- (D) THIS WELL WILL DEEPEN AN EXISTING WELL

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

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER: H096GAP005

FORCE [X] WRITE INITIALS IN BOX | PERMIT No. H0-94-1396

LOCATION OF WELL

B 3

Howard
COUNTY

Fulton Manor East
SUBDIVISION

SECTION | LOT 7

Highland
NEAREST TOWN

MILES FROM TOWN (enter 0 if in town): 2 MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

NW 8-9 | N 8 | NE 8-9
W 8 | TOWN | E 8
SW 8-9 | S 8 | SE 8-9

Canol Drive
NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): NORTH (N) | WEST (W) | EAST (E) | SOUTH (S) — 32

DISTANCE FROM ROAD: 25 ENTER FT OR MI: FT

TAX MAP: 40+41 BLK: PARCEL 131

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard — COUNTY NAME
A5636/D — COUNTY NO.

STATE SIGNATURE
INSERT S

DATE ISSUED: 01/29/98 — Ronald Pinkley — CO SIGNATURE — 1/29/99 EXP. DATE

NORTH GRID: 49/000 — EAST GRID: 81/7000

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

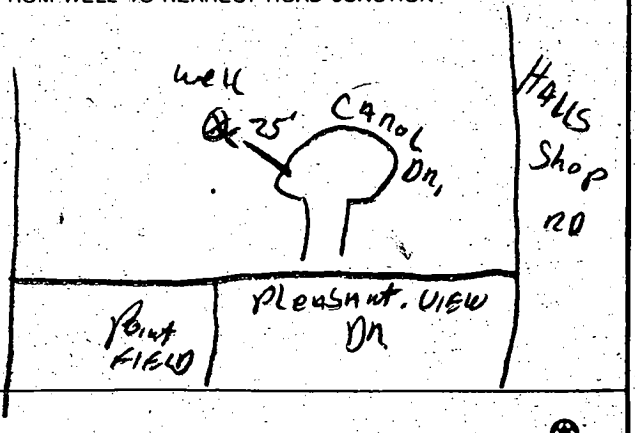
2/11/98 9:30

SOURCES OF DRILLING WATER
1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

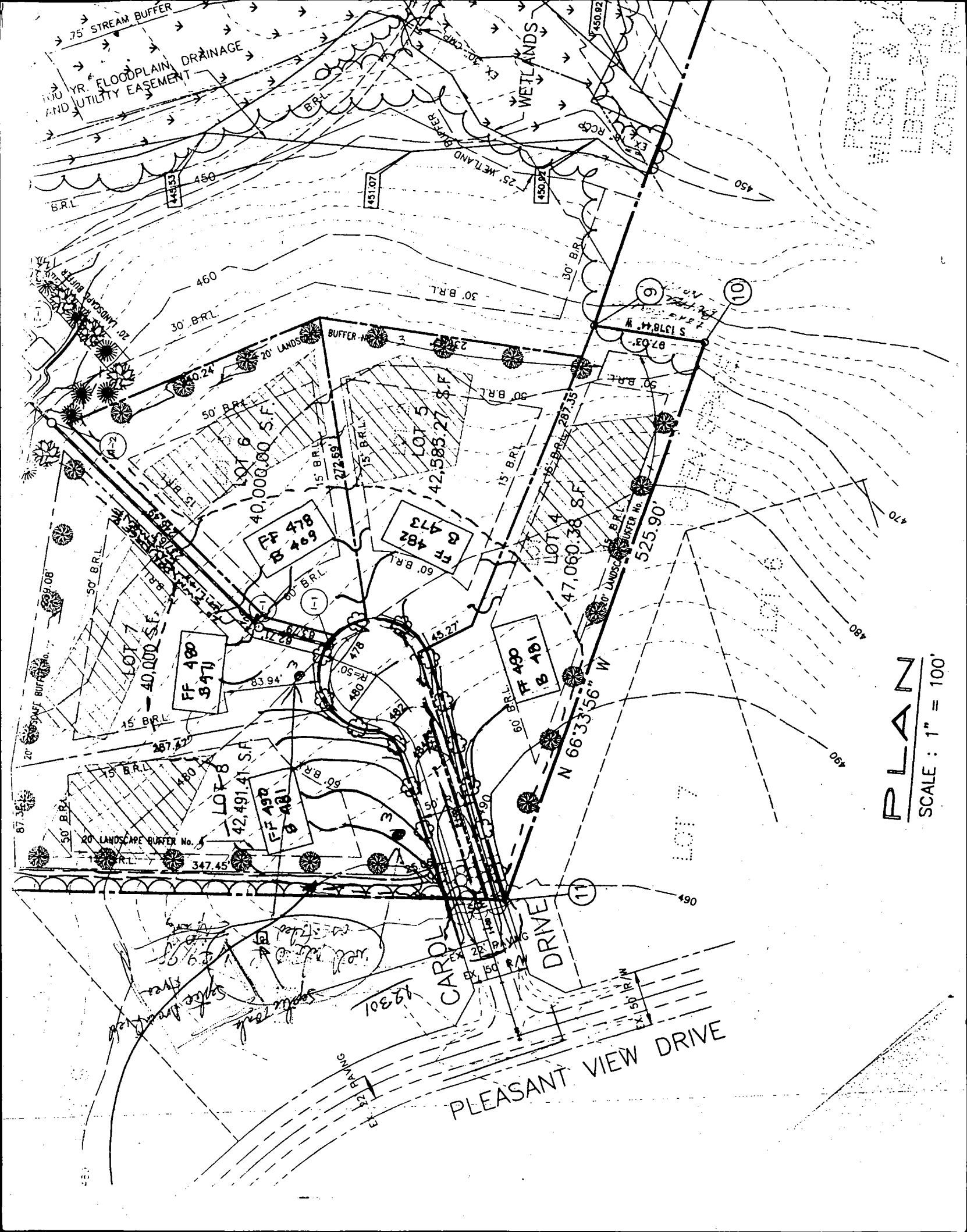
E 81/7
N 49/1
000 000

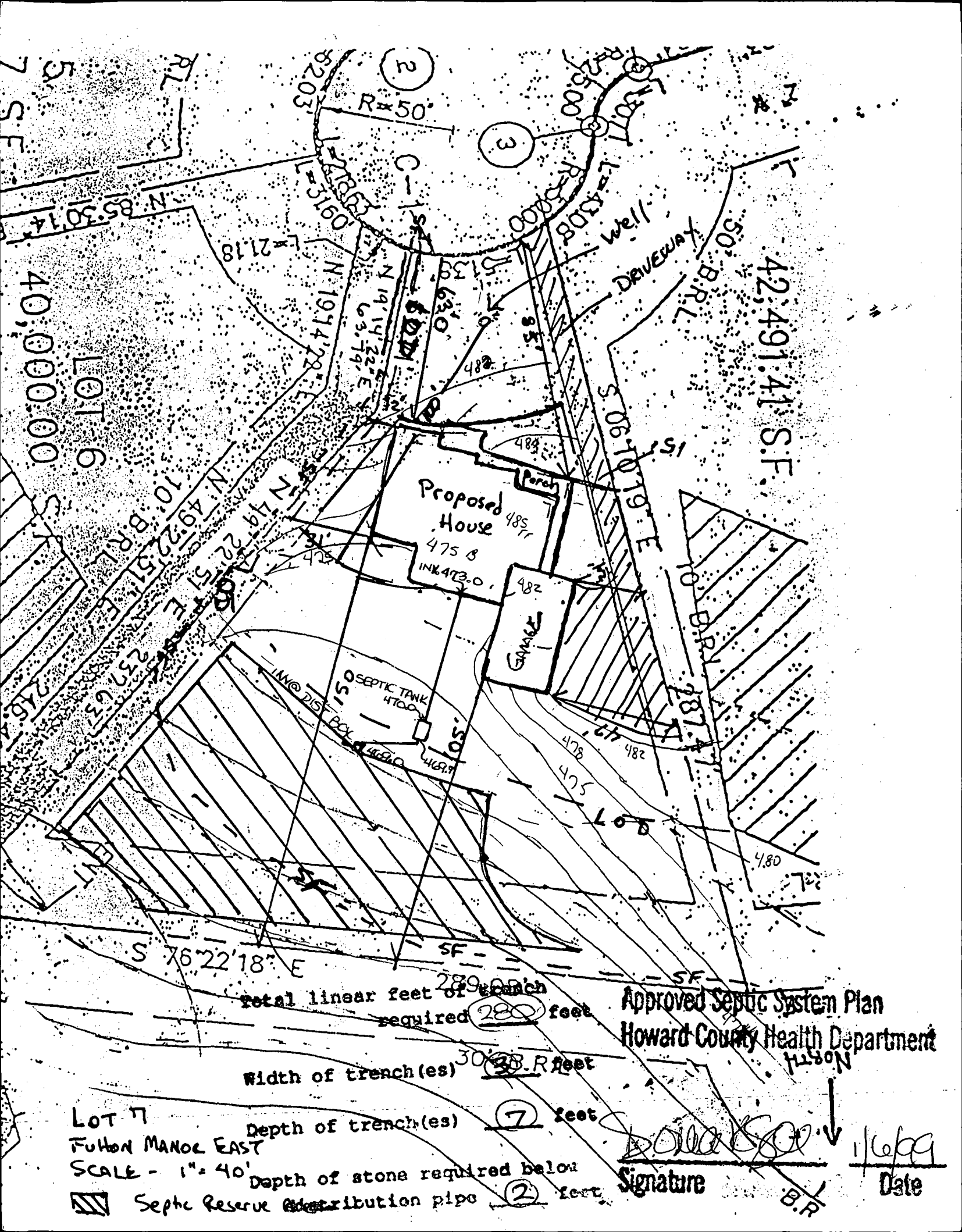
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



SPECIAL CONDITIONS
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -

COUNTY


75' STREAM BUFFER
100 YR. FLOODPLAIN, DRAINAGE AND UTILITY EASEMENT
WETLANDS
25' WETLAND BUFFER
B.R.L.
450
460
470
480
490
20' LANDSCAPE BUFFER No. 3
20' LANDSCAPE BUFFER No. 4
20' LANDSCAPE BUFFER No. 5
LOT 6 40,000.00 S.F.
LOT 5 42,385.27 S.F.
LOT 4 47,060.38 S.F.
LOT 7 40,000 S.F.
LOT 8 42,491.41 S.F.
FF 478 B 469
FF 482 B 473
FF 480 B 471
FF 490 B 191
FF 492 B 481
525.90'
N 66°33'56" W
S 13°18'44" W
87.03'
347.45'
287.42'
272.59'
83.94'
45.27'
CAROL DRIVE
PLEASANT VIEW DRIVE
PAVING
PLAN
SCALE : 1" = 100'



Total linear feet of trench required (280) feet

Width of trench(es) 30 (36) inches

Depth of trench(es) (7) feet

Depth of stone required below distribution pipe (2) feet

LOT 7
FULTON MANOR EAST
SCALE - 1" = 40'

Septic Reserve Area

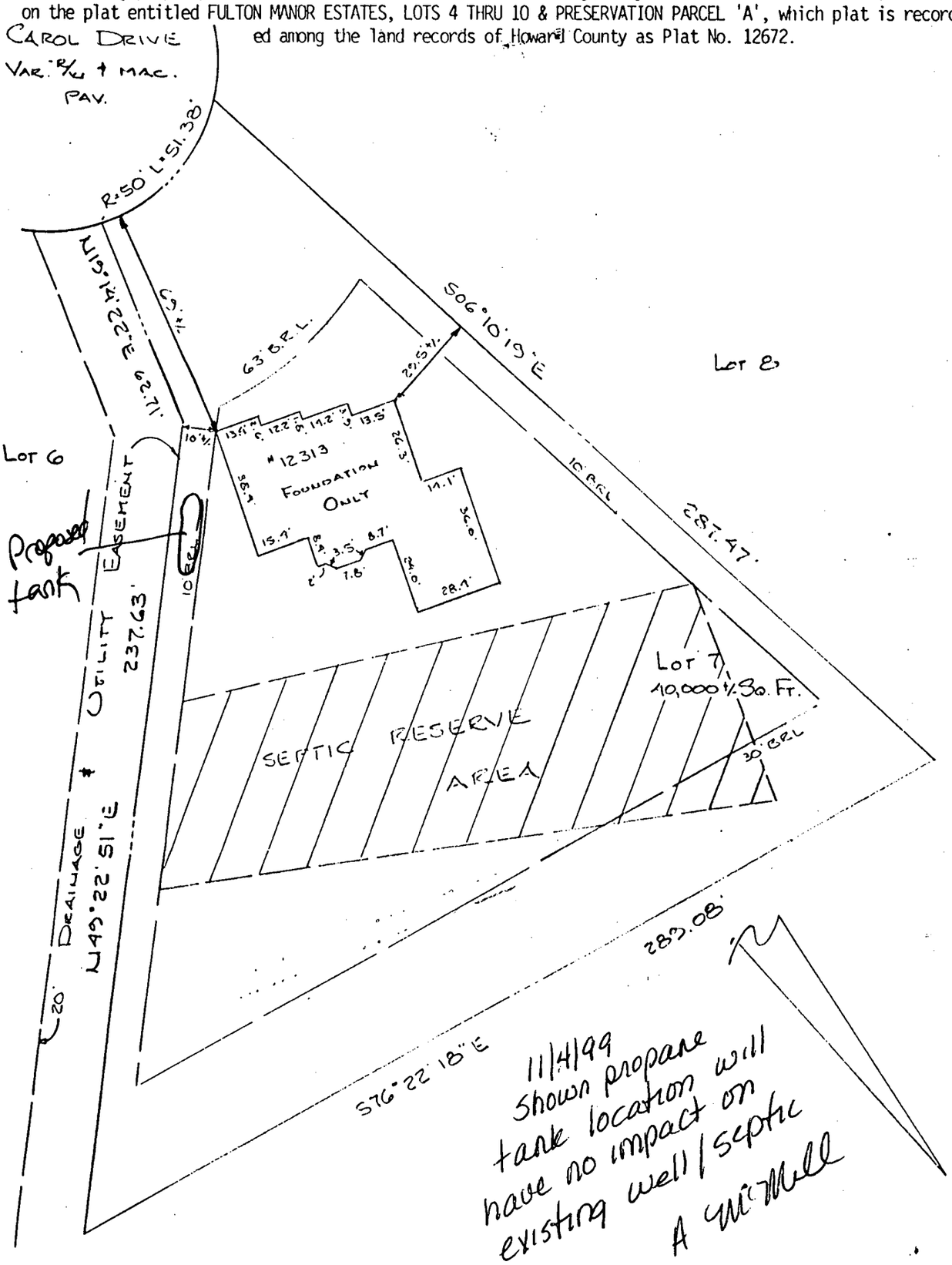
Approved Septic System Plan
Howard County Health Department

FULTON

Signature

1/6/99
Date

Plat showing property known as #12313 Carol Drive, Howard County, Maryland. Also known as Lot 7, as shown on the plat entitled FULTON MANOR ESTATES, LOTS 4 THRU 10 & PRESERVATION PARCEL 'A', which plat is recorded among the land records of Howard County as Plat No. 12672.



NOTE: The property shown hereon lies within a Zone 'C' Flood Plain according to Community Panel # 2400441 0037 B, dated DECEMBER 1, 1986.

This is to certify that I have located the improvements on the lot shown hereon and that said improvements exist, and that said improvements lie entirely within the boundaries, except as shown hereon.

This plat is of benefit to the consumer only insofar as it is required by a lender, or a title insurance company or its agent in connection with a contemplated transfer, financing or refinancing.

This plat is not to be relied upon for the establishment or location of fences, garages, buildings, or other existing or future improvements.

This plat does not provide for the accurate identification of property boundary lines, but such identification may not be required for the transfer of title or securing financing or refinancing.

This plat is not to be used to establish property lines.

J.S.T. Engineering Co., Inc. 6912 North River Drive Baltimore, MD. 21220 410 335-9142

Scale: 1"=40' Date: 2-17-99

98103

IN THE MATTER OF	*	BEFORE THE DIRECTOR OF THE
LARRY TYSON	*	DEPARTMENT OF PLANNING AND ZONING
PETITIONER	*	ADMINISTRATIVE ADJUSTMENT #98-23

* * * * * * * * * * * * * * *

DECISION AND ORDER

On November 17, 1998, the Designee for the Director of the Department of Planning and Zoning conducted a public hearing to consider the petition of Larry Tyson for an administrative adjustment from Section 105.E.3.b of the Zoning Regulations, as authorized under the Administrative Adjustment Procedure, Section 100.F.1, to reduce the required 100 foot lot width at the building restriction line to 80 feet for the construction of a single-family detached dwelling. The notice of this hearing was posted on the subject property in accordance with all applicable regulations. The Petitioner was present. No other persons attended the hearing.

Prior to the introduction of testimony, the following items were incorporated into the record by reference:

1. The Administrative Adjustment Procedure, Section 2.1 of the Howard County Code.
2. The Howard County Zoning Regulations.
3. The Howard County Subdivision and Land Development Regulations.

During the hearing, the following items were introduced as exhibits:

1. Petition and survey plat submitted by the Petitioner.
2. Two photographs of the property submitted by the Department of Planning and Zoning.

Testimony in favor of the petition was presented by Mr. Larry Tyson. Mr. Tyson stated that he proposes to construct a two-story single-family dwelling on the subject property with a walk-out basement. He further testified that the property is constricted by the location of the septic area in the rear yard, and the narrow nature of the front yard area, which results in a required 83.94 foot front yard setback in order to comply with the required 100 foot lot width requirement. He stated that other properties on the block are required to meet a 50 foot front setback.

Mr. Tyson further stated that the topography of the lot is such that the high point of the property is within the required front setback, the steepest grade is immediately north of the highpoint, and then the topography flattens to a more gradual slope downward to the north once within the recorded building envelope. He stated that use of a slope is necessary in order to build the house with a walk-out basement. He also stated that an adjustment would permit the house to be built closer to a uniform setback with other houses on the cul-de-sac. He concluded by stating that he felt the adjustment was necessary to permit construction of the house with a walk-out basement, and in a location more in keeping with the established setback pattern established on the street.

FINDINGS OF FACT

1. The Petitioner, Larry Tyson is the owner of the subject property of this proceeding, a 40,000 square foot lot identified as Lot 7, Parcel 31, Block 6 on Tax Map 40 in the Fifth Election District of Howard County, Maryland. The subject property is located on the north side of the cul-de-sac of Carol Drive. The property is unimproved and irregular in shape, being narrower along the Carol Drive frontage, which measures 51.38 feet. The property is 287.47 feet deep and the rear lot line measures 289.08 feet. The highest elevation of the property is approximately 50 feet north of Carol Drive. From this point, the topography of the site slopes downward to the north and south.
2. The subject property and all adjacent properties are located in the RC-DEO (Rural Conservation - Density Exchange Option) Zoning District. Lot 8, located to the west of the subject property, is 42,491 square feet and improved with a two-story single-family detached dwelling. Lot 6, located to the east of the subject property, is 40,000 square feet and improved with a 1.5-story, single-family detached dwelling. A 26.433 acre preservation parcel is located to the north of the subject property. A 20 foot wide fee-simple portion of this parcel separates the subject property and Lot 6, which provides access to the preservation parcel from Carol Drive. The easement on the adjacent property is held by the homeowners' association.
3. Given the irregular shape of the subject property and minimum lot width requirement, the required front setback is 83.94 feet from the right-of-way of Carol Drive. The required front

1990 DEC 21 PM 12:49
HOWARD COUNTY HEALTH
ENVIRONMENTAL HEALTH

3. The Petitioner had no hand in creating the shape of the lot or the topography of the site. Therefore, the Petitioner did not create the conditions that cause the need for the administrative adjustment.

4. The Petitioner's request is the minimum necessary to construct the house in a location that appears uniform with adjacent dwellings, as close to the high point on the property as possible, and without necessitating side yard setback variances.

ORDER

Based on the foregoing Findings of Fact and Conclusions of Law, it is this 2nd Day of December, 1998, by the Director of the Department of Planning and Zoning for Howard County, ORDERED that the petition of Larry Tyson for an administrative adjustment to reduce the required 100 foot lot width at the building restriction line to 80 feet for the construction of a single family detached dwelling is hereby GRANTED, subject to the following conditions:

1. The Petitioner shall comply with all applicable Federal, State and County laws and regulations.
2. A building permit for the dwelling shall be obtained within two years from the date of this order and substantial construction shall be completed within three years.
3. The administrative adjustment shall apply solely to the construction of an irregularly shaped dwelling in compliance with required side yard setbacks, approximately 63 feet from the right-of-way of Carol Drive, as depicted on the administrative adjustment plan dated October 22, 1998, and to no other structures, improvements or uses.

Prepared By:
Howard County Department of
Planning and Zoning

Joseph W. Rutter, Jr., Director
Department of Planning and Zoning

Stephen R. Bockmiller
Department of Planning and Zoning

William F. O'Brien,
Director's Designee

setback for a 40,000 square foot lot in the RC District is 50 feet. The shape of the property requires a front setback that is 68 percent greater than adjacent lots of similar size.

4. The two-story dwelling that the Petitioner proposes to construct on the subject property would be located 10 feet from the east side lot line and approximately 16 feet from the west side lot line. The Petitioner proposes to use the topography of the site to locate the house in such a way that the rear of the house would have a walk-out basement. The Zoning Regulations requires a 10 foot side setback on the eastern and western side lot lines. The house would be located 50 feet from the septic easement area. The well is located approximately 30 feet from the right-of-way of Carol Drive.

5. No persons appeared at the hearing in opposition to the petition.

CONCLUSIONS OF LAW

Based on the foregoing Findings of Fact, the Director makes the following Conclusions of Law:

1. The shape of the subject property and the topography of the site are unique physical conditions that create practical difficulties in complying with the required 100 foot lot width requirement. The shape of the property dictates that the front building restriction line be 83.94 feet; 68 percent greater than other houses on the block. The highest elevation on the property is located within the front setback and drops off over a short distance toward the portion of the property within the building envelope, where the slope is much more gradual, making it difficult to construct a house with a walk-out basement in compliance with bulk requirements.

2. The requested administrative adjustment will not alter the essential character of the neighborhood or district in which the lot is located, will not substantially impair the appropriate use or development of adjacent properties and will not be detrimental to the public welfare. Approval of the administrative adjustment would permit construction of the house in a location that would present a more uniform front setback with other properties on the cul-de-sac. No side yard setback adjustments are requested, and a pipestem access to the adjacent preservation parcel is located between the subject property and Lot 6.

1998 DEC 21 PM 12:48
HOWARD COUNTY HEALTH DEPT.
ENVIRONMENTAL HEALTH

~~Tentative 2/10/99~~

2/11/99 anytime

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

Howard County Health Department
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Court House Square
Ellicott City, Md. 21043
461-9933

New Installation ✓
Replacement _____

Receipt # _____
Date 2-9-99

Name of Installer MARK BREW P+H Inc. Telephone 301-854-0609

License number 16761
Certified Well Pump Installer _____ Well Driller _____ Registered Plumber ✓

Name of Property Owner Larry Tyson Telephone 4105315844
Subdivision Fulton Manor East Lot # 7 Well tag # ___-___-_____
Site Address 12313 Carol Dr
~~Highland~~ ~~Fulton~~, MD ~~21029~~ ~~20777~~ 20759
Fulton

Pump
1. Type
   a. Deep well jet _____
   b. Shallow well jet _____
   c. Submersible ✓
2. Make _____
3. Model # _____
4. Capacity _____ GPM
5. Pump exceeds well capacity Yes _____ No ✓
6. If Yes, is low pressure cutoff switch installed? Yes _____ No ✓
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors ✓ Cable guards ✓ Other _____

Motor
1. Horsepower 1/2
2. RPM _____
3. Voltage _____
   a. 110 _____
   b. 220 ✓

Pitless Adapter
1. Make _____
2. Model # _____
3. Depth _____

Tank
1. Capacity _____
2. Pressure relief valve? _____

2/11/99 – Not ready yet.

5/28/99 O.K. DKC BB

Piping
1. Type PE
2. Size 1
3. NSF and/or BOCA Code approved _____
4. Depth of supply line 42"

Well data
1. Depth _____ ft.
2. Yield ____ GPM
3. Static water level _____ ft.
4. Will water supply be disenfected by installer? _____

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Mark Brew

Date: 2-9-99

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

Howard County Health Department
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Court House Square
Ellicott City, Md. 21043
461-9933

New Installation ✓
Replacement _____

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Name of Property Owner Larry Tyson Telephone 4105315844
Subdivision Fulton Manor East Lot # 7 Well tag # ___-___-_____
Site Address 12313 Carol Dr
~~Highland MD 20777~~, MD ~~20759~~ 20759
Fulton

Pump
1. Type
   a. Deep well jet _____
   b. Shallow well jet _____
   c. Submersible ✓
2. Make _____
3. Model # _____
4. Capacity _____ GPM
5. Pump exceeds well capacity Yes _____ No ✓
6. If Yes, is low pressure cutoff switch installed? Yes _____ No ✓
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors ✓ Cable guards ✓ Other _____

Motor
1. Horsepower 1½
2. RPM _____
3. Voltage _____
   a. 110 _____
   b. 220 ✓

Pitless Adapter
1. Make _____
2. Model # _____
3. Depth _____

Tank
1. Capacity _____
2. Pressure relief valve? _____

Piping
1. Type PE
2. Size 1
3. NSF and/or BOCA Code approved _____
4. Depth of supply line 42"

Well data
1. Depth _____ ft.
2. Yield _____ GPM
3. Static water level _____ ft.
4. Will water supply be disenfected by installer? _____

2/11/99 - Need [illegible]

5/28/99 O.K. DKC BB

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Mark Braw

Date: 2-9-99

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.