

9-14-98
1PM MEET INSTALLED
9-16-98 230-33

05-413516

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 510644

A 40796

DISTRICT 5th

DATE 8-25-98

DATE SYSTEM APPROVED 9-16-98

INSPECTOR JW

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXXXX~~ 410-313-2640

INDEXED

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 580 Obrecht Road Sykesville, MD 21784 PHONE (410) 795-5670

SUBDIVISION The Warfields LOT 32 ROAD 14837 Chestnut Court

PROPERTY OWNER Dan & Kathy Graninger

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 3 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - Start the first trench 185 feet down the 300.74' lot line and 65.5 feet off that same (300.74') lot line. 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 12/19/98 DCS

PLANS APPROVED BY Kim Maiste/Amy McMillen REVISED _____ DATE 01/15/98

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

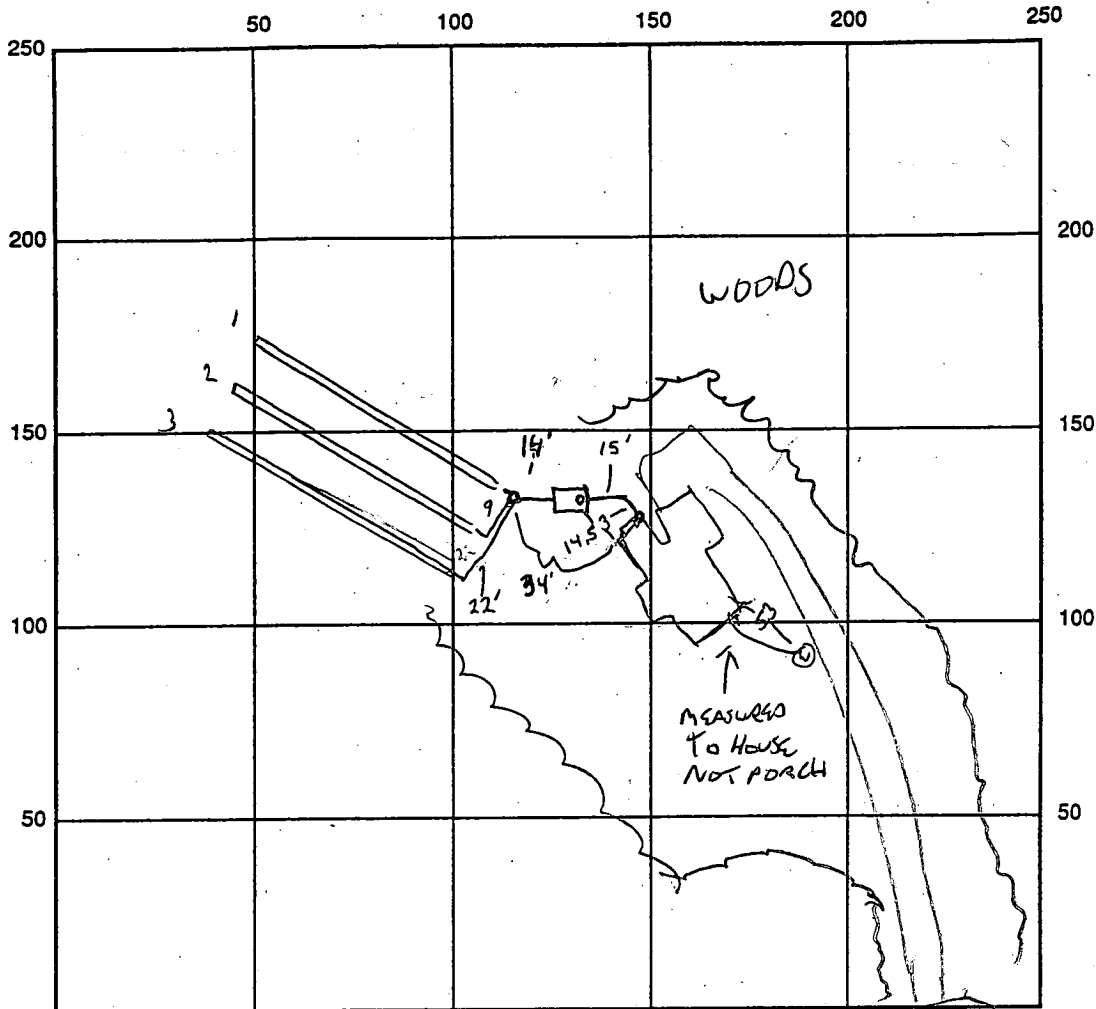
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

SEWAGE PERMIT SIGNED
AND RETURNED 5-6-99
Smith # 800 117782
duch

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

A40796



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE RESTON CT

SEPTIC TANK LEVEL OK 1250 CLEANOUTS 1 AT HOUSE, 1 ON ST.

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TITLE DEPTH 34.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 1.5 FT. TOTAL LENGTH 82 1/2 FT. = 2

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 759 SQ. FT.

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

ABSORBENT AREA _____ SQ. FT. SDA STAKED FOR INSTALLATION

REMARKS: 9-14-98 SITE WSP, W/ KURT FROM EGLES - INVERT AT HOUSE IS UNDER GUTTER, AT LEAST 5' BELOW GRADE, HISTORY OF ROCKY SOILS, DIG CONFIRMATION HOLES(S) TO CHECK FEASIBILITY OF DESIGN SYSTEM, MAY REQUIRE PUMPED SYSTEM - KURT WILL SPEC PUMP CHANGE TO BE RE-EVALUATED AT TIME OF TANK INSTALLATION. FOR TOP SEAM TANK, NEED WALL CHECK DRAWING 9/16 T.C. W/ KURT, BLUNDER TO PUMP BASEMENT, NOW INSTALL TO SEAM TANK IF SIGNIFICANT ROCK ENCOUNTERED IN TANK HOLES. 9/16/98 FINAL COVER AS COMPLETED, WAIT OK

DATE SYSTEM APPROVED 9-16-98 INSPECTOR [Signature]

APPLICATION

HOWARD COUNTY

PERMIT APPLICATION

DEPARTMENT OF INSPECTIONS, LICENSES & PERMIT
3430 COURT HOUSE DRIVE, ELLICOTT CITY, MARYLAND 21043

SERIAL NUMBER

00009465

BUILDING ADDRESS (HOUSE NO., STREET, TOWN OR AREA)

14837 CHESTNUT COURT 3757
CLUNG MD 21737

GRADING/SEDIMENT CONTROL YES NO

SDP #

DESCRIPTION OF WORK AUTHORIZED

New S.F. Home - attached garage (2 car) unfinished basement/porch, 4 BR, 2 1/2 Baths, Porch

LOT NO.	PARCEL NO.	SEC.	AREA	BLOCK NO.	LIBER	FOLIO
32	56	-	-	10	-	-
SUB DIVISION		ZONE	ZONE MAP	ELEC. DIST.	CENSUS TR.	
WARRFIELD		R-20	27	5	6051.01	

OWNER NAME AND ADDRESS PHONE NO.

DAN & KATHY GRANINGER

OCCUPANT'S NAME AND ADDRESS PHONE NO.

9332 COURTESY G. Columbia

ARCHITECT OR ENGINEER'S NAME AND ADDRESS PHONE NO.

NONE

CONTRACTOR'S NAME AND ADDRESS PHONE NO.

HAGAN & HAMILTON
410-561-1004
22 E. TIMONIAH RD - SUITE 100

EXISTING USE PROPOSED USE

Vacant Rev S.F. Home

EST. CONSTRUCTION COST LICENSE NUMBER PERMIT FEE

\$ 250,000

UTILITIES				
WATER	WELL	SEWER/SEPTIC	GAS	ELECTRICITY
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
				TYPE OF HEAT
				AC

I have carefully examined and read this application and know the same is true and correct, and that is doing this work, all provisions of Howard County Ordinances and the State Laws of Maryland will be complied with, whether specified or not; and I will notify the Department of Inspections, and Permits twenty-four hours in advance when I am ready for the inspections called for elsewhere in the application; and that no work will be covered up until such inspections have been completed with.

S. Carroll SIGNATURE Hagan
TITLE DATE 1/13/98

FOR OFFICE USE ONLY

DISTANCE IN FEET FROM R/W LINE TO FRONT BUILDING LINE

SIDE YARD (DISTANCE IN FEET FROM SIDE BLDG. LINE TO SIDE PROPERTY LINE)

TO SIDE BUILDING LINE DISTANCE IN FEET, REAR YD. REQUIRING SET

BACK (CORNER LOT ONLY) SDP #

Check payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

CAUTION
To begin construction before a permit placard has been issued and displayed on the job is a violation of the law.
Use and occupancy permit must be applied for two weeks before it will be issued.

FUNCTION	DATE	SIGNATURE APPROVAL
ZONING/PLANNING		
SHA		
SEDIMENT/GRADING		
BUILDING OFFICIAL		
WATER & SEWER		
HEALTH DEPT.	1/15/98	A M'Callan
FIRE PROTECTION		
STORM WATER MGMT		

IMPORTANT: PLEASE SHOW ZIP CODES AND AREA CODES WHEREVER REQUIRED.

LP-69-591

CK 13419

APPROVED DATE
Distribution of Copies:
White - Building Official
Green - Planning & Zoning
Yellow - Engineering
Pink - Health Dept.
Gold - S.H.A. A

P. 01
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 9652632.542537
 AUG-21-98 03:07 PM

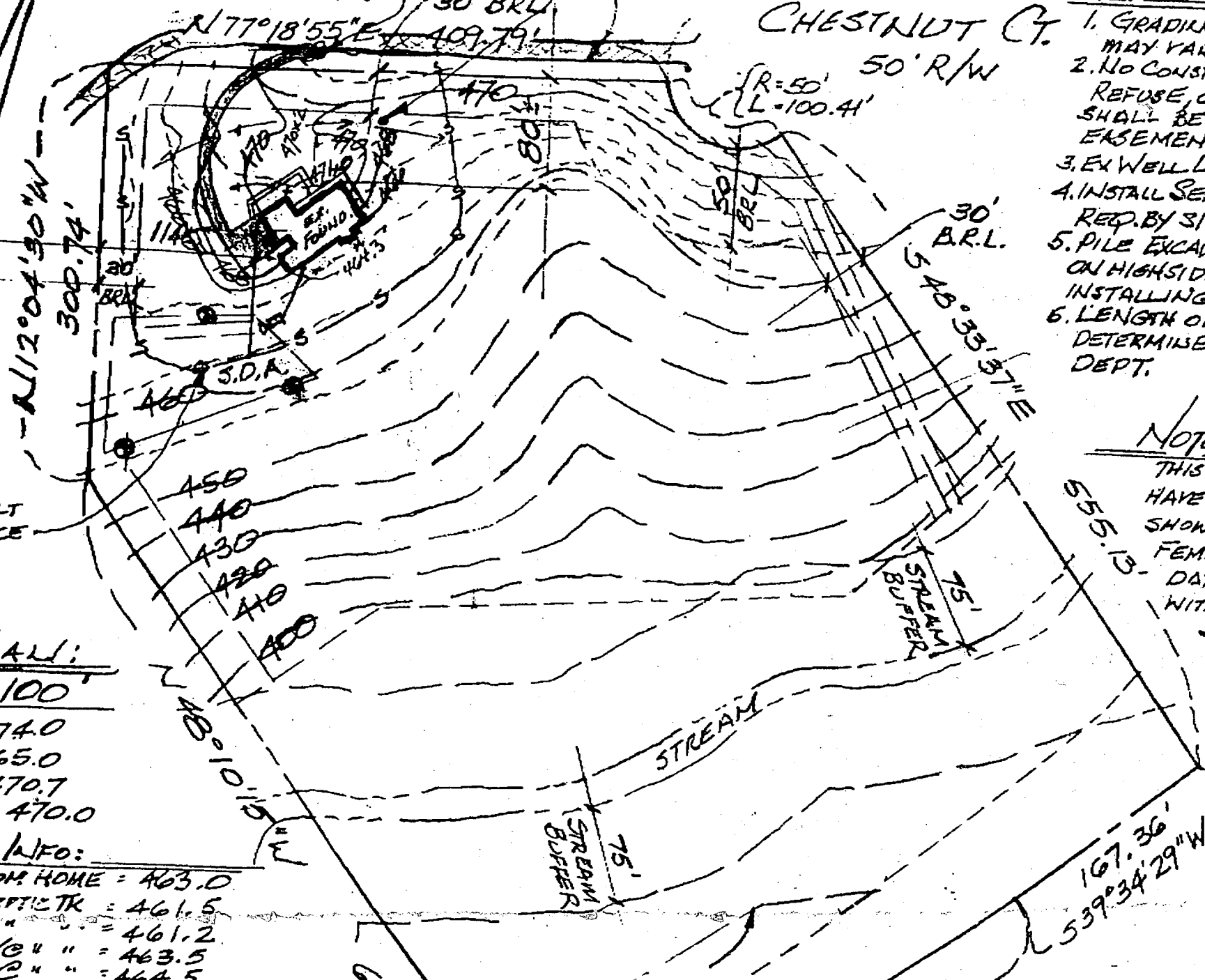
EX. STABILIZED CONSTR ENTR
 EX. WELL
 EX FANHANDLE DRIVE
 CHESTNUT CT.
 50' R/W

NOTES:

1. GRADING AROUND HOME MAY VARY DUE TO FIELD
2. NO CONSTR, STOCK PILING, REFUSE, OR EXCESS MATERIAL SHALL BE BURIED IN SEPTIC FIELDS.
3. EX WELL LOCATED BY DRILLER
4. INSTALL SED. CONT. AS REQ. BY SITE INSPECTOR.
5. PILE EXCAVATED MATERIAL ON HIGHSIDE OF TRENCH WHEN INSTALLING SEPTIC FIELD.
6. LENGTH OF SEPTIC TRENCH DETERMINED/HO.CO.HEALTH. DEPT.

NOTE: 4/15/98

THIS IS TO CERTIFY THAT I HAVE LOCATED THE IMPROVEMENTS SHOWN HEREON. THIS IS IN ACCORDANCE WITH FEMA FLOOD INS. RATE MAP DATED 12/4/86 & IS WITHIN THE 100 YR FLOOD ZONE SHOWN ON SAID MAP.



ALL: 100'

74.0
 65.0
 470.7
 470.0

INFO:
 ON HOME = 463.0
 SEPTIC TR = 461.5
 " " = 461.2
 10" " = 463.5
 0" " = 464.5

167.36'
 S 39° 34' 29" W

Call Pat O'Lea

#25

HOWARD COUNTY

PERMIT APPLICATION

DEPARTMENT OF INSPECTIONS, LICENSES & PERMIT
3430 COURT HOUSE DRIVE, ELLICOTT CITY, MARYLAND 21043

SERIAL NUMBER

B0009465

BUILDING ADDRESS (HOUSE NO., STREET, TOWN OR AREA)

*14837 CHESTNUT COURT NW
GENEVA MD 21737*

GRADING/SEDIMENT CONTROL YES NO SDP #

DESCRIPTION OF WORK AUTHORIZED
New S.F. Home - attached garage (2 car) w/ finished basement/pow room, 4 BR, 2 1/2 Baths, Porch

LOT NO.	PARCEL NO.	SEC.	AREA	BLOCK NO.	LIBER	FOLIO
<i>32</i>	<i>56</i>	-	-	<i>10</i>	-	-

SUB DIVISION	ZONE	ZONE MAP	ELEC. DIST.	CENSUS TR.
<i>WARFIELD</i>	<i>RC-2</i>	<i>27</i>	<i>5</i>	<i>6051.01</i>

OWNER NAME AND ADDRESS PHONE NO.

DAN & KATHY GRANINGER

OCCUPANT'S NAME AND ADDRESS PHONE NO.

9332 CURTSEY G. Columbia MD

ARCHITECT OR ENGINEER'S NAME AND ADDRESS PHONE NO.

NONE

CONTRACTOR'S NAME AND ADDRESS PHONE NO.

*HAGAN & HAMILTON
20 E. TIMONIAN RD - SUITE 100
410-561-1004*

EXISTING USE PROPOSED USE

Vacant *Rev S.F. Home*

BEST CONSTRUCTION COST	LICENSE NUMBER	PERMIT FEE
<i>\$250,000</i>		

SIZE OF BLDG.	FRONT	DEPTH	HEIGHT

TYPE OF BLDG.	AREA	VOLUME	ROOF
B. ROOMS			
ROOMS			
BATHS			
FIREPLACES			

FOOTINGS	FOUNDATION	S. WALLS

UTILITIES			
WATER <input checked="" type="checkbox"/>	WELL <input checked="" type="checkbox"/>	SEWER/SEPTIC <input checked="" type="checkbox"/>	GAS <input checked="" type="checkbox"/>
			ELECTRICITY <input checked="" type="checkbox"/>
			TYPE OF HEAT <input checked="" type="checkbox"/> AC

I have carefully examined and read this application and know the same is true and correct, and that in doing this work, all provisions of Howard County Ordinances and the State Laws of Maryland will be complied with, whether specified or not; and I will notify the Department of Inspections, and Permits twenty-four hours in advance when I am ready for the inspections called for elsewhere in the application; and that no work will be covered up until such inspections have been completed with.

J. Carroll SIGNATURE *Hagan* DATE *11/13/98*

W/S CODE FOR OFFICE USE ONLY

DISTANCE IN FEET FROM R/W LINE TO FRONT BUILDING LINE _____

SIDE YARD (DISTANCE IN FEET FROM SIDE BLDG. LINE TO SIDE PROPERTY LINE) _____

TO SIDE BUILDING LINE _____

DISTANCE IN FEET, REAR YD. REQUIRING SET _____

BACK (CORNER LOT ONLY) _____ SDP # _____

Check payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

CAUTION
To begin construction before a permit placard has been issued and displayed on the job is a violation of the law.
Use and occupancy permit must be applied for two weeks before it will be issued.

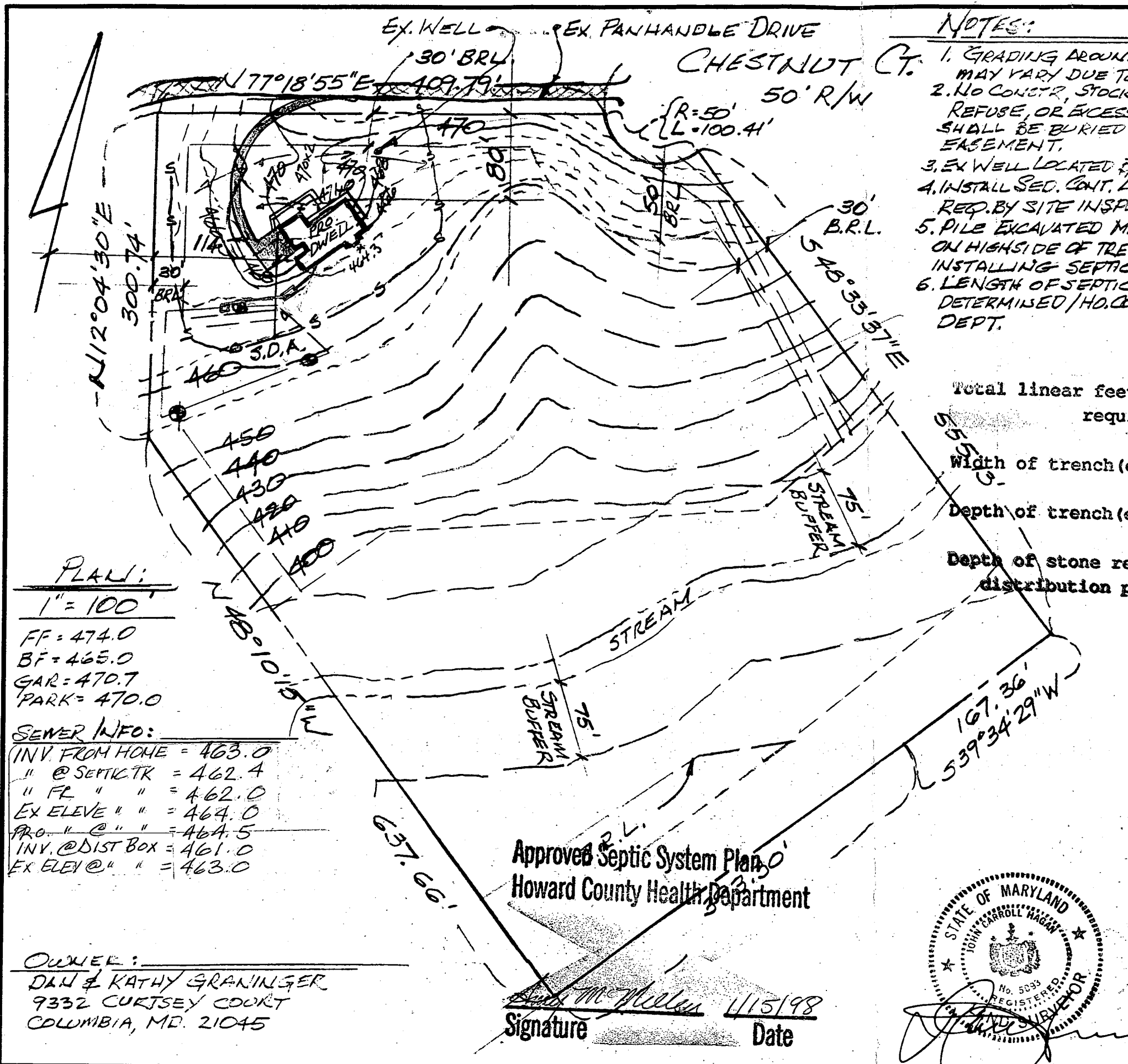
IMPORTANT: PLEASE SHOW ZIP CODES AND AREA CODES WHEREVER REQUIRED.

LP-69-591 *CR 12419*

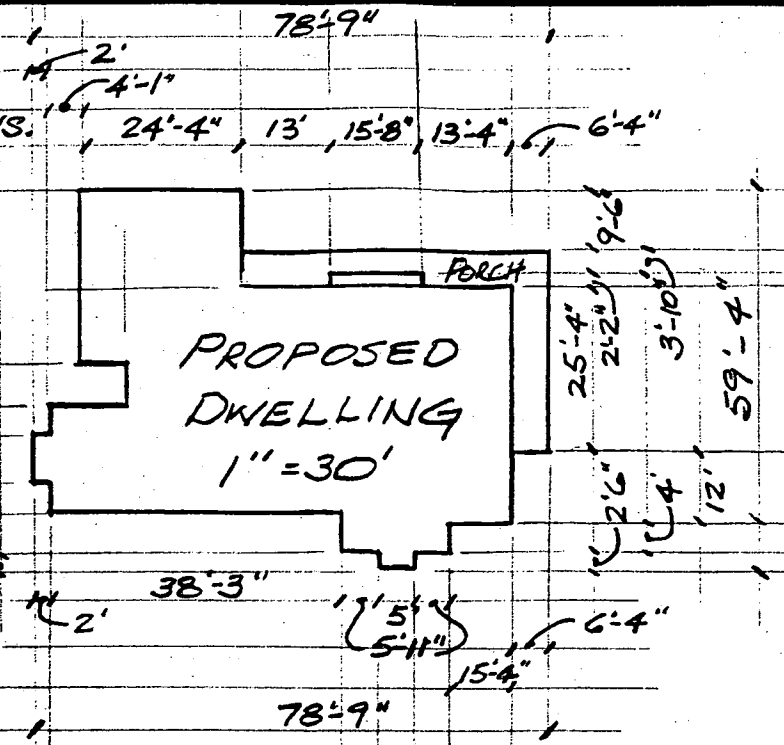
FUNCTION	DATE	SIGNATURE APPROVAL
ZONING/PLANNING		
SHA		
SEDIMENT/GRADING		
BUILDING OFFICIAL		
WATER & SEWER		
HEALTH DEPT.	<i>11/15/98</i>	<i>A. McMiller</i>
FIRE PROTECTION		
STORM WATER MGMT		

APPROVED DATE

Distribution of Copies:
White - Building Official
Green - Planning & Zoning
Yellow - Engineering
Pink - Health Dept.
Gold - S.H.A.



- NOTES:**
1. GRADING AROUND HOME MAY VARY DUE TO FIELD CONDITIONS.
 2. NO CONCR., STOCK PILING OF REFUSE, OR EXCESS MATERIAL SHALL BE BURIED IN SEPTIC EASEMENT.
 3. EX WELL LOCATED BY DRILLER.
 4. INSTALL SED. CONT. AS REQ. BY SITE INSPECTOR.
 5. PILE EXCAVATED MATERIAL ON HIGHSIDE OF TRENCH WHEN INSTALLING SEPTIC FIELD.
 6. LENGTH OF SEPTIC TRENCH DETERMINED / H.O. CO. HEALTH DEPT.



Total linear feet of trench required **240** feet
 Width of trench(es) **3.0** feet
 Depth of trench(es) **4.5** feet
 Depth of stone required below distribution pipe **1.5** feet

SITE PLAN
THE WARFIELDS
LOTS 1-44 & PARCEL A
(LOT 32)
5TH ELECT. DIST. HOWARD CO. MD.
RECORDED PLAT # 9589

PLAN:
1" = 100'
 FF = 474.0
 BF = 465.0
 GAR = 470.7
 PARK = 470.0

SEWER INFO:
 INV FROM HOME = 463.0
 " @ SEPTIC TRK = 462.4
 " FL " " = 462.0
 EX ELEVE " " = 464.0
 PRO. " @ " = 464.5
 INV. @ DIST BOX = 461.0
 EX ELEVE " " = 463.0

OWNER:
DAN & KATHY GRANINGER
9332 CURTSEY COURT
COLUMBIA, MD. 21045

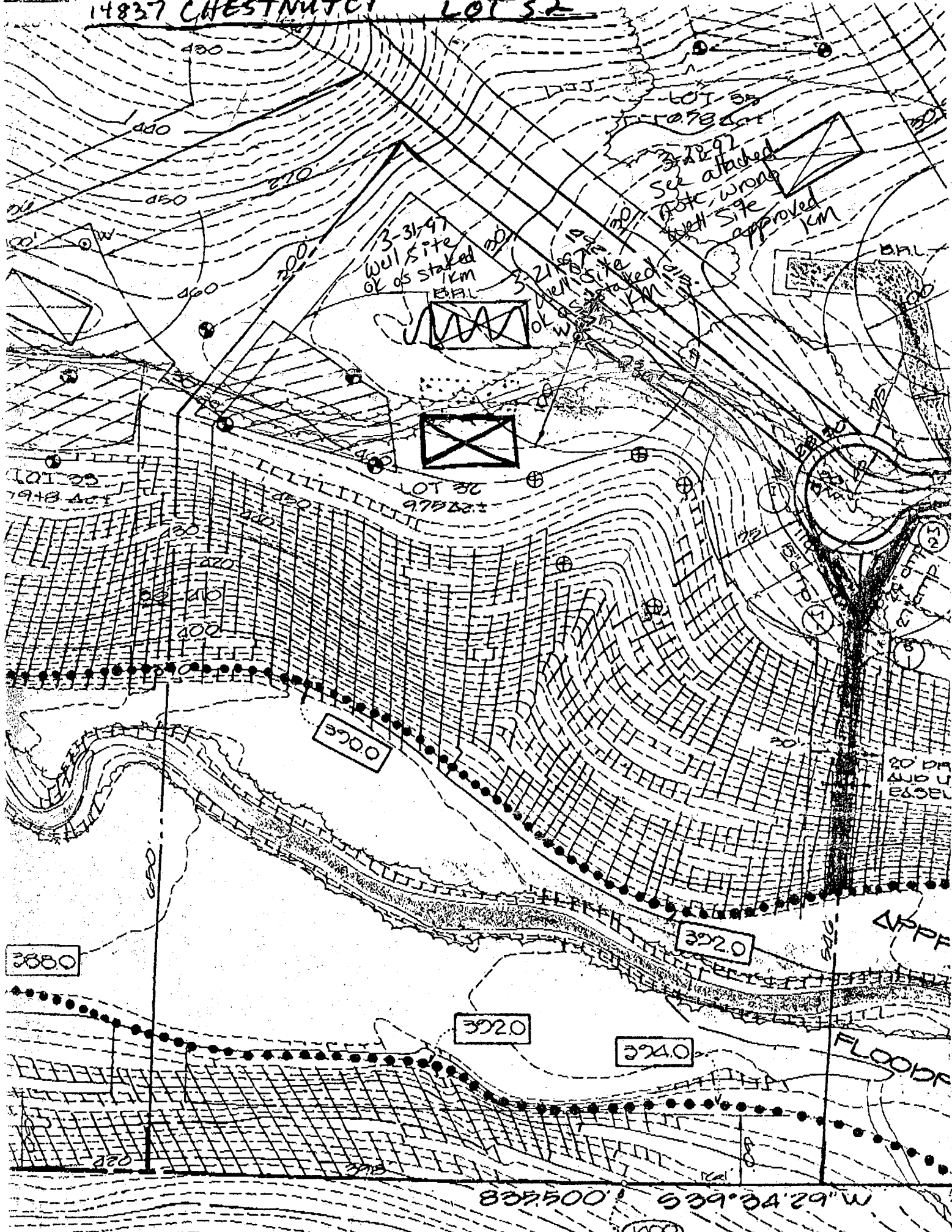
Approved Septic System Plan
Howard County Health Department

[Signature]
Signature **11/15/98**
Date



		SCALE: AS SHOWN	APPROVED BY: <i>[Signature]</i>	DRAWN BY: <i>[Signature]</i>
		DATE: 12-4-97		
14837 CHESTNUT COURT.				
LOT 32 - 9.457 Ac ±			DRAWING NUMBER 3-592	

14837 CHESTNUT CT LOT 32



3-31-97 Well Site OK as staked 1/4M

See attached note, wrong well site approved 1/4M



3700

3680

3720

3740

3720

S 89° 34' 29" W

FLOOD

20' DR AND U EASEL

LOT 35

LOT 36

LOT 33

LOT 35

1078

3-22-97

See attached note, wrong well site approved 1/4M

See attached note, wrong well site approved 1/4M

See attached note, wrong well site approved 1/4M

See attached note, wrong well site approved 1/4M

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See attached note, wrong well site approved 1/4M

See attached note, wrong well site approved 1/4M

LOT 32
F 89-231
CHESTNUT CT

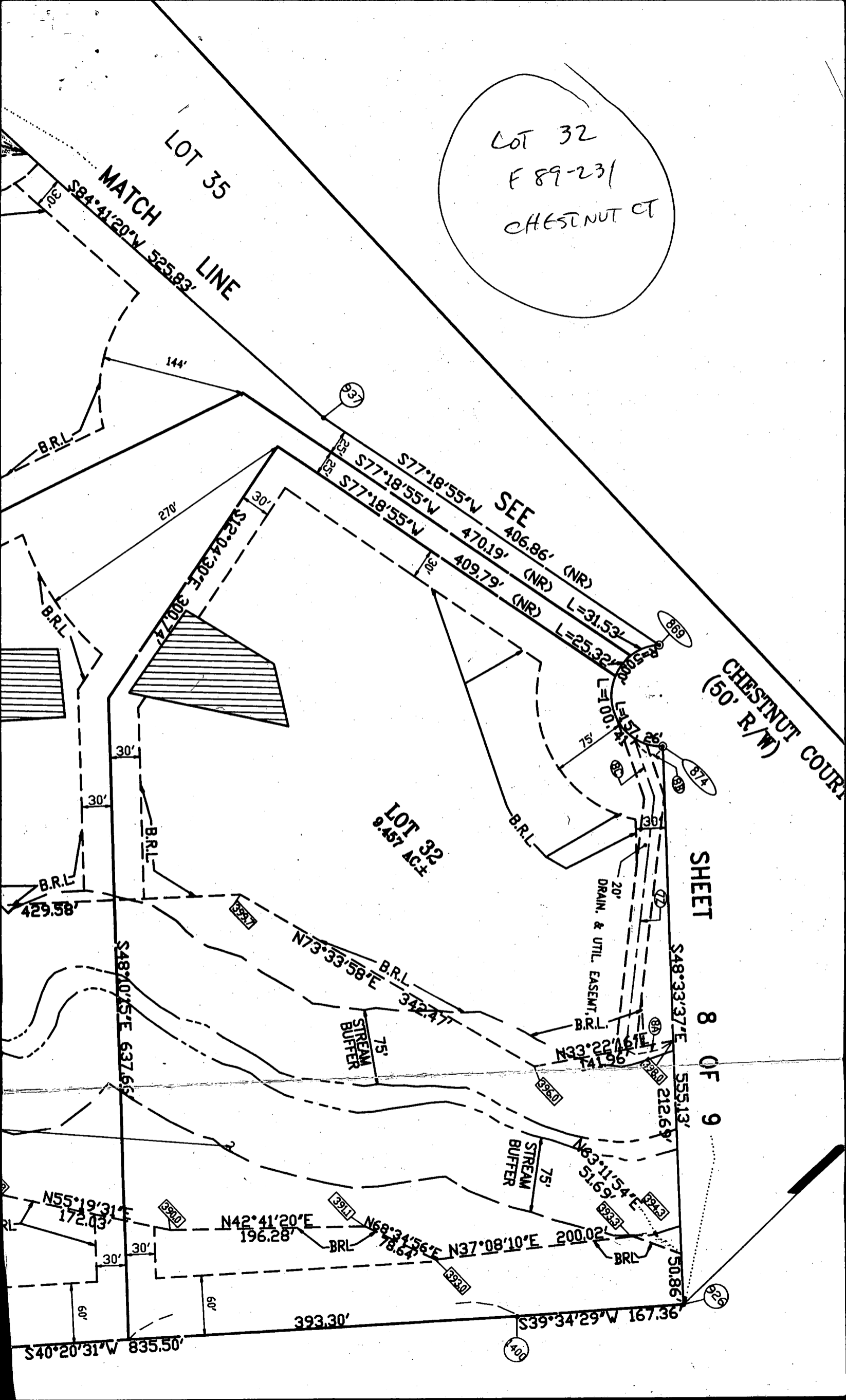
LOT 35

MATCH LINE

CHESTNUT COURT
(50' R/W)

SHEET 8 OF 9

LOT 32
9.457 AC±



APPLICATION

PERCOLATION TESTING

A 40796

P _____

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

DISTRICT 5th

DATE 12/1/87

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 Kennard Warfield Jr. DAN + KATHY GRANINGER

ADDRESS 14663 Triadelphia Rd PHONE 442-2337

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Sapling Range LOT NO. Lot 32

ROAD AND DESCRIPTION 14600 Triadelphia Rd just west of Howard Rd
Property address (19837 Chestnut Court)

TAX MAP 27 PARCEL # 56

BLDG. PERMIT SIGNED
AND RETURNED 1-15-98
Serial # B00109465

SIZE OF LOT 3 acres TYPE BLDG. SFD - 4 Broom
(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.

Myard Reil
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 2-17-88 Insufficient Area Remaining to Test. S. Blum

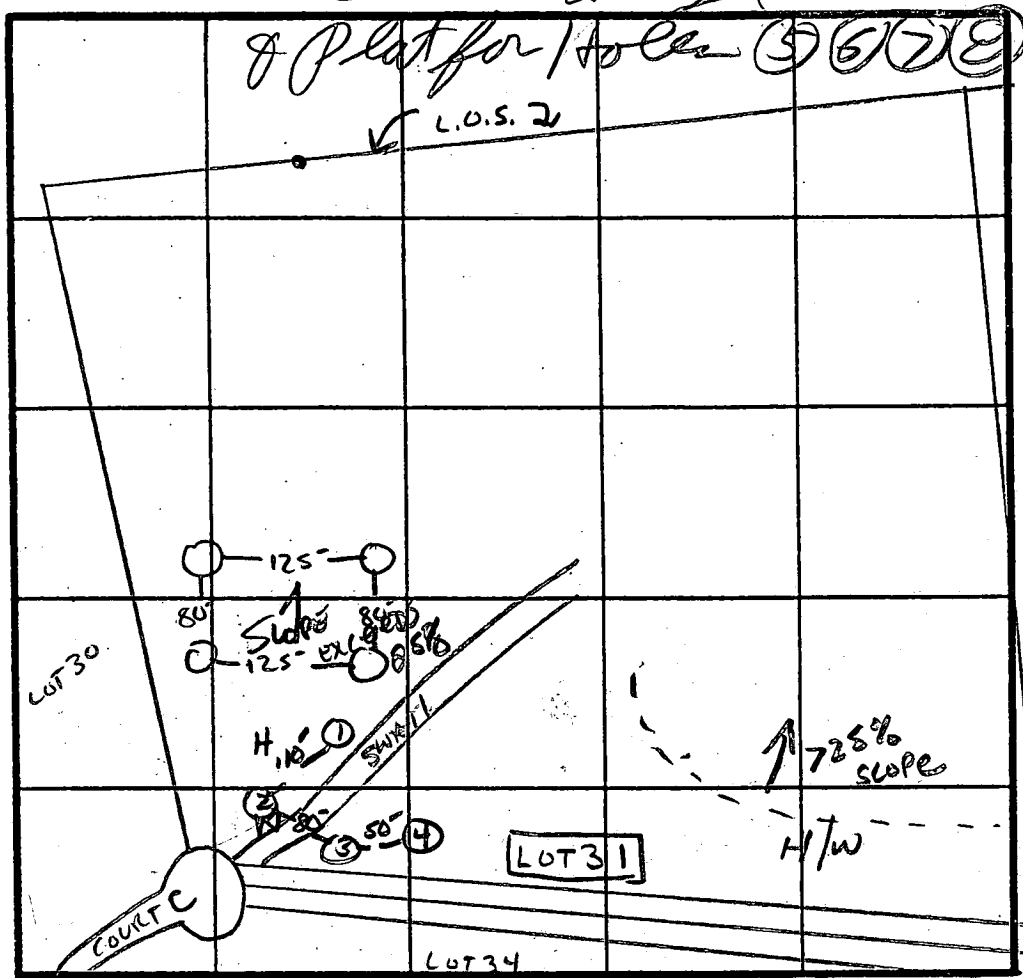
THIS IS NOT A PERMIT

See other page

Plot for holes ⑤ ⑥ ⑦ ⑧

① SOIL PROFILE

0"	A1-3
4"	Red cl. Silt clay Lower 15-25% frags
3"	Yellow Red Silt loam Highly micaceous 20-40% frags
9.5"	



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

↓ TO TRIADELPHIA Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/17/88	1S	3.0"	2106	2109	2109	2115	6min
	1V	9.5"	UNIFORM soil below		3.0"		
	2V	CLAY TO 8"					
	3V	CLAY TO 7"					
	4V	ROCK BOTTOM AT 5"					
12/21/88	5S	4"	951	955	955	959	4'
	5V	12"	OK				
	6V	11.5"	OK				
1/1/89	7S	5"	1005	1009	1009	1011	3'
	7V	12.5"	OK				
1/1/89	8S	4.5"	1016	1020	1020	1026	4'
	8V	7"	1016	1020	1020	1026	
12/21/88	9V	12"	OK				

X PERC 4min INU 3.0 BOTTOM 4.5

SBS PAGES 2 FOR THESE HOLES

⑤ BROWN CLAY
BROWN GRITTY SAND LOAM

⑥ BROWN CLAY
DULL BROWN GRITTY SAND LOAM
LOTTOSHALE FRAGS

⑦ ⑧ BROWN CLAY
PINK BROWN GRITTY SAND LOAM
LOTTOSHALE FRAGS

REMARKS HOLES DIFF THAN PLAT
TYPE OF SOIL MINOR
TESTED BY S. AMM

RAINTO DAY HOLES PERED LINED AREA ON PLAT

OIKETTIGAN, MANER.

ALSO PRESENT

APPLICATION

PERCOLATION TESTING

A 46796
P _____

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

RE-PERCOLATION

DISTRICT FIFTH

DATE _____

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 WARFIELD BROTHERS

ADDRESS (14663) TRIADELPHIA ROAD PHONE _____

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION SAPLING RANGE THE WARFIELDS LOT NO. 31 *LOT 32 Preliminary*

ROAD AND DESCRIPTION COURT 'C' OFF TRIADELPHIA RD
Chestnut Court

TAX MAP 27 PARCEL # 56 & 14

SIZE OF LOT 9.75 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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 12/21/88 PERC OK HOLD FOR CERTIFIED
HOLDERS R/H

HD-216

THIS IS NOT A PERMIT

C 1 6000 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A40796

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY 4 22 97 Depth of Well 340 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HD-94-1082

OWNER SMITH MICHAEL STREET OR RFD CHESTNUT COURT TOWN DAYTON SUBDIVISION THE WAREFIELDS SECTION LOT 32

WELL LOG Not required for driven wells

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

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include soft brown dirt, hard tan rock, hard gray rock, etc.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N) TYPE OF GROUTING MATERIAL (Cement, Bentonite Clay) NO. OF BAGS, NO. OF POUNDS, DEPTH OF GROUT SEAL

CASING RECORD (Steel, Concrete, Plastic, Other) MAIN CASING TYPE, Nominal diameter, Total depth

OTHER CASING (if used) diameter, depth

SCREEN RECORD (Steel, Brass, Open Hole, Plastic, Other) screen type or open hole

DEPTH (nearest ft.) 30, 340

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 4.55 METHOD USED TO MEASURE PUMPING RATE timer WATER LEVEL (distance from land surface) BEFORE PUMPING 31 WHEN PUMPING 320 TYPE OF PUMP USED (for test) 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. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 PUMP HORSE POWER 37 PUMP COLUMN LENGTH (nearest ft.) 43 CASING HEIGHT (circle appropriate box and enter casing height) + above LAND SURFACE 1 (nearest foot)

NUMBER OF UNSUCCESSFUL WELLS 0 WELL HYDROFRACTURED (Y/N)

CIRCLE APPROPRIATE LETTER 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...

DRILLERS LIC. NO. 1 MWD 304 David Kelly DRILLERS SIGNATURE

LIC. NO. 1 MWD 509 Harvey W Knapp SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

Table with columns: A, C, H, S, R, E, N. Rows: 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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q TELESCOPE CASING LOG INDICATOR OTHER DATA

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) 225' F PL 35' Rt. PL

EMERGENCY/TEMP NO. IF ANY

B 1 **9922** 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
HO-94-1082
 fill in this form completely

Date Received (APA) **03.17.97**
 OWNER INFORMATION
SMITH MICHAEL
 15 Last Name 13 Owner 34 First Name
14965 TRIADELPHIA RD
 36 Street or RFD 55
BLEWEL **MD21737**
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
HOWARD
 8 COUNTY 21
THE WARFIELDS
 23 SUBDIVISION 42
 SECTION 44 46 LOT **32**
 48 50
DANTON
 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) **3** M I
 73 76 77 78

DRILLER INFORMATION CIRCLE: MSD/MGD/MWD
Dave Kelly 692-6981 30M
 77 License No. 80
Jones Well Drilling Inc
 Firm Name
3700 Rush Rd JARRETTVILLE 2084
 Address
Dave Kelly 3-14-97
 Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

Chestnut Ct
 11 NEAR WHAT ROAD 30
14837
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH N
 WEST W 32 EAST E
 SOUTH S
 Approx 34 **1100** 37
 DISTANCE FROM ROAD
 ENTER FT OR MI **FT**
 38 39
 TAX MAP: _____ BLK: _____ PARCEL _____

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **4**
 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **400**
 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER
 HEALTH DEPARTMENT APPROVAL
Howard **A40796**
 COUNTY NAME COUNTY NO.
 STATE SIGNATURE _____ INSERT S 41
 DATE ISSUED **032497** **Kimberly Maite** **3/25/98**
 43 48 60 SIGNATURE EXP. DATE
 NORTH GRID **513000** EAST GRID **794000**
 50 55 57 63

APPROXIMATE DEPTH OF WELL **200** FEET
 24 28

APPROXIMATE DIAMETER OF WELL **6** INCH
 NEAREST INCH

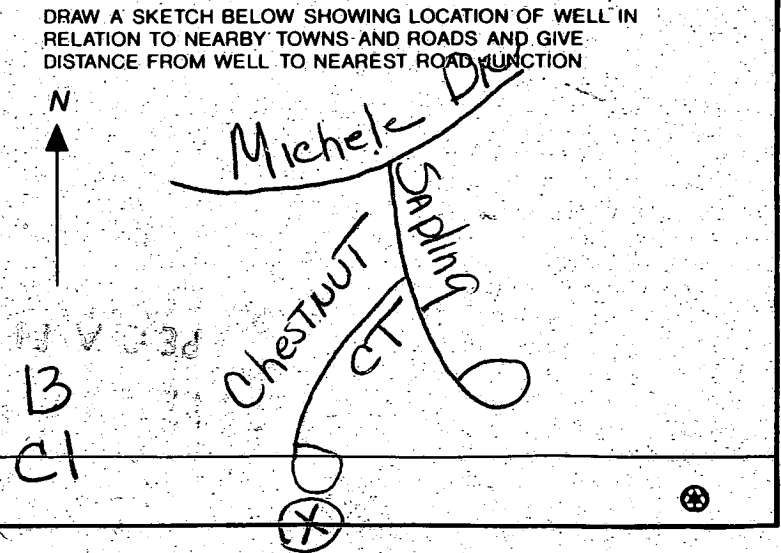
METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 37 CABLE REVerse-ROTary DRive-POINT
 other _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY - CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 THIS WELL WILL DEEPEEN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROX. PERMIT NUMBER _____ GAP _____
 54 63
 FORCE **KM** WRITE INITIALS IN BOX PERMIT No. **HO-94-1082**
 67 68 70 71 72 73 74 75 76 77 78 79

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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. _____
 2. _____
 3. _____
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E **7904**
 N **5103**
 000 000



Daniel Crandall (301) 595-0540

JONES WELL DRILLING, INC.
3700 RUSH ROAD
JARRETTSVILLE, MD 21084

Page 1

Date Test Completed: 4-04-97
Well Depth: 340 Feet

Telephone (410) 692-6981

Initials: BK

Permit No: HO-94-1082
Subdivision THE WARELDS Section: _____ Lot 32
Road: 14837 CHESTNUT CT. District: 5

	Time	Water Level Feet	Time to Fill 5-Gallon Bucket Seconds	Gallons Per Minute
1	10:45	31	19	15.79
2	11:00	130	24	12.50
3	15	218	30	10.00
4	30	281	42	7.14
5	45	320	60	5.00
6	12:00	320	66	4.55
7	15	320	67	4.48
8	30	320	67	4.48
9	45	320	66	4.55
10	1:00	320	67	4.45
11	15	320	66	4.55
12	30	320	66	4.55
13	45	320	67	4.48
14	2:00	320	66	4.55
15	15	320	67	4.48
16	30	320	66	4.55
17	45	320	66	4.55
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				



100
150
200
250
300
350
400
450
500

BHL

BHL

BHL

BHL

BHL

BHL

BHL

BHL

BHL

BHL

3900

3920

3920

3940

835500' 539°34'29" W

1400

132/551
C.M.C. CONSTRUCTION CO.
ZONED: B

EX. MAC DRIVE &
PARK PAD

EX. WELL
130' BRL.

EX PANHANDLE DRIVE

CHESTNUT

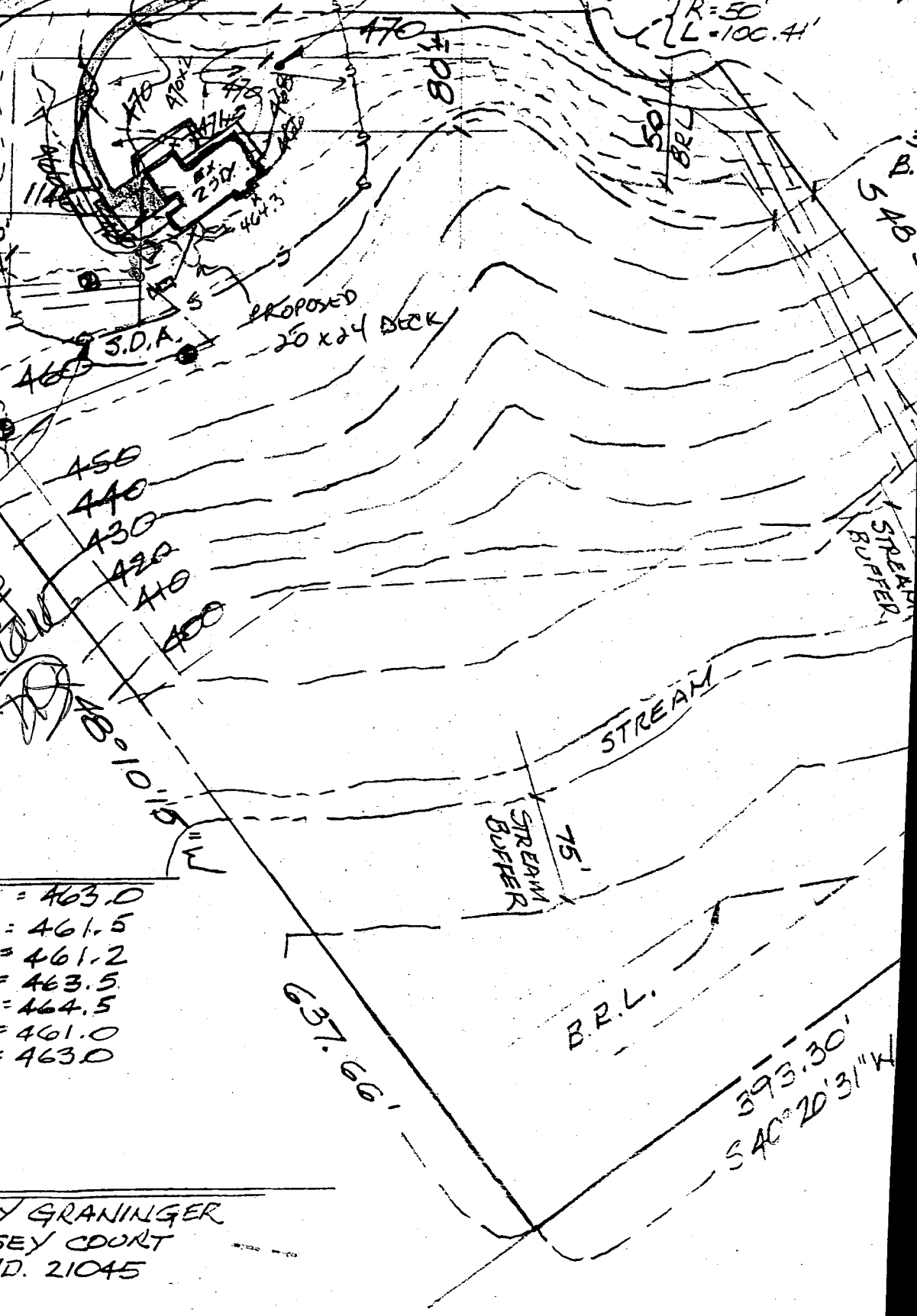
50' R/W

N 77° 18' 55" E 409.79'

R=50'
L=100.4'

N 12° 04' 30" W
300.74'

Proposed
deck location
OK as shown
deck to
be 20'
PLAN:



1" = 100'

FF = 474.0
BF = 465.0
GAR = 470.7
PARK = 470.0

SEWER INFO:

INV. FROM HOME = 463.0
" @ SEPTIC TR = 461.5
" FR " " = 461.2
EX ELEV @ " " = 463.5
PRO. " @ " " = 464.5
INV. @ DIST BOX = 461.0
EX. ELEV @ " " = 463.0

OWNER:

DAN & KATHY GRANINGER
9332 CURTSEY COURT
COLUMBIA, MD. 21045