

4/2/92 1PM
C. Stob

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 47879

A 47025

DISTRICT 1

DATE 3/4/92

DATE SYSTEM APPROVED 4/6/92

INSPECTOR C. Williams

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

2510266

INDEXED

Paul Schissler/South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Welsh Property LOT 3 ROAD 4720 Ilchester Road

PROPERTY OWNER Stuart W. Welsh

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 168

TRENCHES - Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Place the first trench 100 feet down the front left (179.16') lot line and 150 feet off the same lot line as seen when facing the lot from the pipestem. Run trenches on contour toward the 179.16' lot line. MAINTAIN A MINIMUM OF 100 FEET TO ALL WELLS.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 3/2/92 Rld

PLANS APPROVED BY Jane Nadeau DATE 10/31/91

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

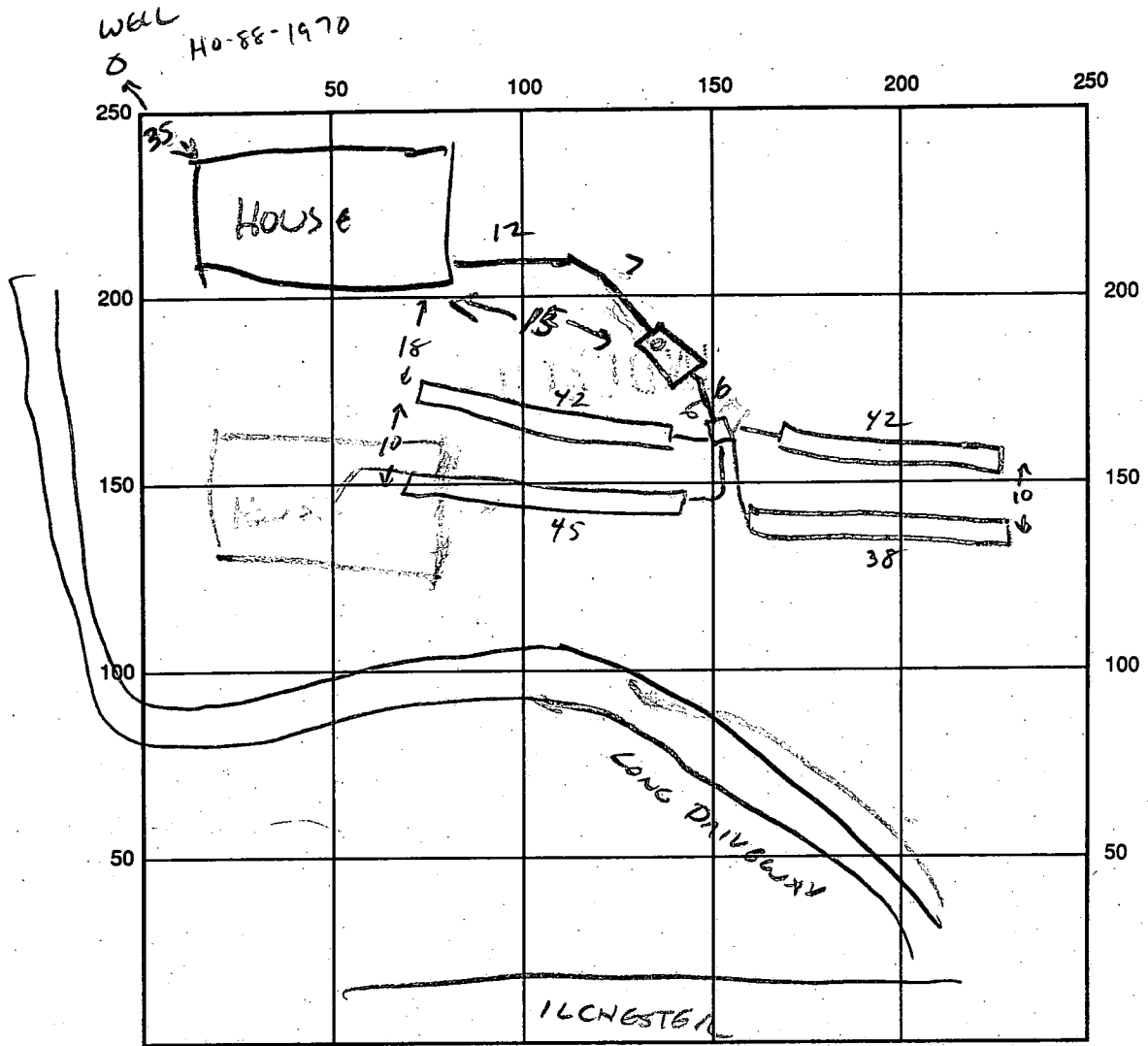
PERMIT VOID AFTER TWO YEARS

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

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

A
47025



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1500 ✓ CLEANOUTS 5TV ✓

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD/TITLE DEPTH 8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 5 FT. TOTAL LENGTH 167 FT. (42+42+38+45) 3
167

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 835 SQ. FT. 5
835

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

ABSORBENT AREA — SQ. FT.

REMARKS: 4/7/92 OK TO COVER TANK & 1ST TWO TRENCHES
4/8/92 OK TO GRAVEL 2ND TWO TRENCHES
4/8/92 OK TO COVER ALL. (CW)

DATE SYSTEM APPROVED 4/8/92 INSPECTOR C. Wilbur

APPLICATION

PERCOLATION TESTING

A 47025

P _____

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

DISTRICT #1

DATE 4/22/91

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 Robert & Rosalie Welsh Stuart W. Welsh

ADDRESS 4738 Hchester Rd PHONE 788-2108644-6017

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Welsh Property LOT NO. #3

ROAD AND DESCRIPTION 4720 Hchester Road

TAX MAP 31/11/10 PARCEL # 122

SIZE OF LOT 1 acre 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. Paul Welsh
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 5-17-91 pending perc hole locations and subdivision plat approval DEN

BLDG. PERMIT SIGNED
RETURNED 4/22/91
Serial # 41146-579

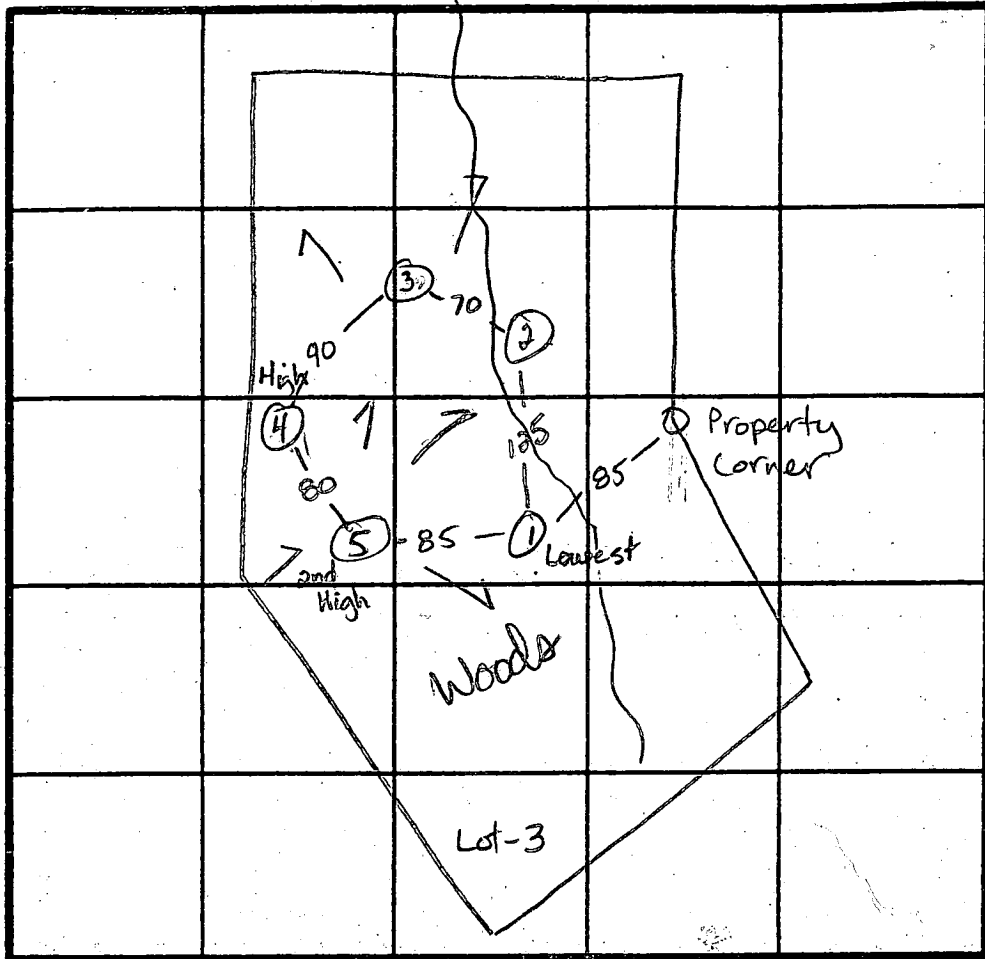
THIS IS NOT A PERMIT

HD-216

Lot-3
A 47025

① ②
SOIL PROFILE

0-1.0 Dk-br si cl
1.0-3.5 Br si cl
3.5-12.0 Br si l
12.0 Bottom



⑤
0-2.5 Dk br si cl roots
2.5-12.0 Tan si sl
<10% rock frags
12.0 Bottom

\bar{X} = 11 min
Inlet = 3.0
Bottom = 8.0
210 sq ft / bdrm

③ ④

0-2.0 Br si cl
2.0-11.0 Brown sil, some s. sil <40% rx
11.0 Bottom

④

0-1.0 Dk br si cl
1.0-3.5 Tan si sl, <20% gravel
3.5-11.5 Tan si sl <15% broken quartz frags
11.5 Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

To Ichester Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-16-91	1	4.5 S	1:30	1:45	No movement		Fail
		6.0 M	3:46:10	3:48:00	3:48:00	4:13	25 min ok
		12.0 D	Bottom				
	2	4.5 S	1:39:06	1:41:11	1:41:11	1:44:15	3 min Repair
		(4.5) S	1:35	1:36	1:36	1:37	(1 min)
		10.5 D	Clay to 3.0 ft				ok
	3	11.0 V	Clay to 2.0 ft				ok
	5	12.0 V	Clay to 2.5 ft				ok
	4	4.0 S	1:48:15	1:57:16	1:57	2:04	7 min
		7.5 M	1:47:38	1:53:30	1:53	2:00	7 min
		11.5 D	Bottom				ok

REMARKS As shown on site plan

TYPE OF SOIL _____

TESTED BY L. Nadeau ALSO PRESENT Olen K., Sr

Dave

C1 4632

SEQUENCE NO. (DENV 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)

COUNTY NUMBER A47025

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

Grid for ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 093091

Depth of Well 360 (TO NEAREST FOOT)

PERMIT NO. 40-08-1970

OWNER: last name Welsh, first name Robert; STREET OR RFD: Ilchester Rd; TOWN: Ellicott City; SUBDIVISION: WELCH PROP; SECTION: ; LOT: 3

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 (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes handwritten entries: SAND stone 0-15, GRAY GRANITE 15-360.

GROUTING RECORD WELL HAS BEEN GROUTED (Y/N), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS: 5, NO. OF POUNDS: 470, GALLONS OF WATER: 30, DEPTH OF GROUT SEAL: from 0 to 20 ft.

CASING RECORD casing types insert appropriate code below: ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER)

MAIN CASING TYPE: SF, Nominal diameter top (main) casing: 6, Total depth of main casing: 360

OTHER CASING (if used) diameter inch, depth (feet) from to

SCREEN RECORD screen type or open hole insert appropriate code below: ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER)

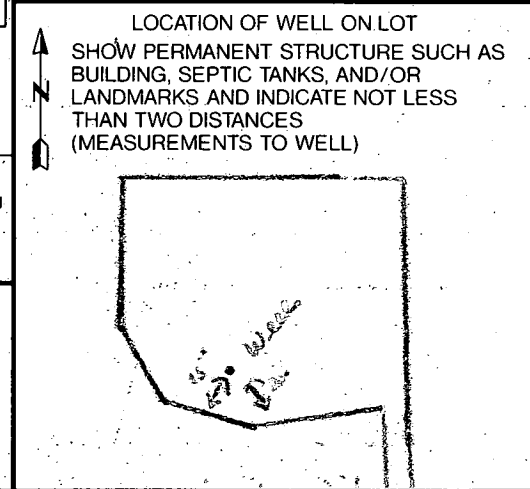
DEPTH (nearest ft.) grid with handwritten values: 10, 20, 360

SLOT SIZE 1, 2, 3; DIAMETER OF SCREEN (NEAREST INCH) grid

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68; OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)

PUMPING TEST HOURS PUMPED: 3; PUMPING RATE: 4 gal. per min.; METHOD USED TO MEASURE PUMPING RATE: Bucket; WATER LEVEL: 46 BEFORE PUMPING, 277 WHEN PUMPING; TYPE OF PUMP USED: S (submersible)

PUMP INSTALLED DRILLER WILL INSTALL PUMP. YES (NO); TYPE OF PUMP INSTALLED: ; CAPACITY: GALLONS PER MINUTE; PUMP HORSE POWER; PUMP COLUMN LENGTH; CASING HEIGHT: + above, - below; LAND SURFACE: 2 (nearest foot)



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

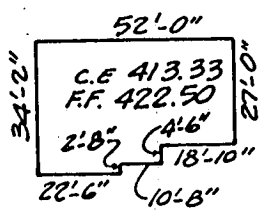
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 238

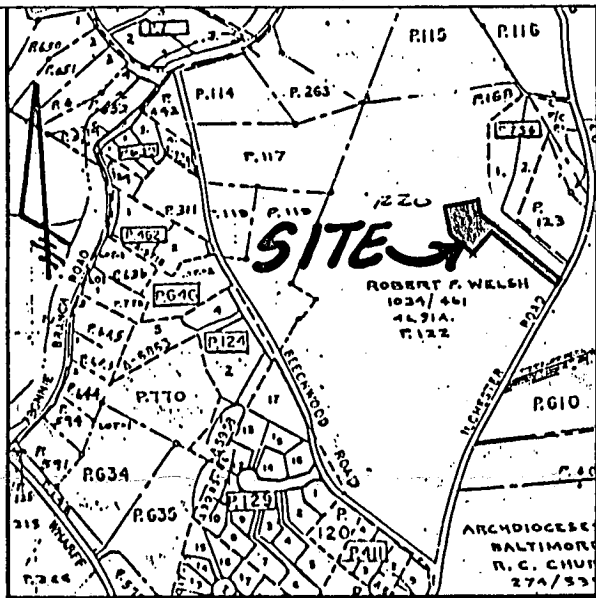
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

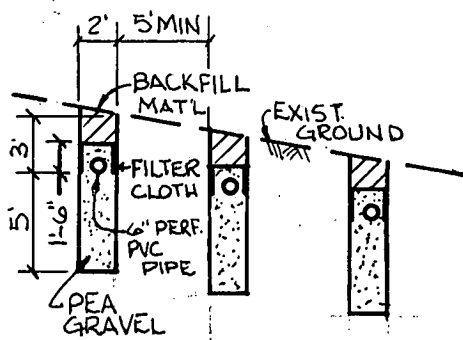
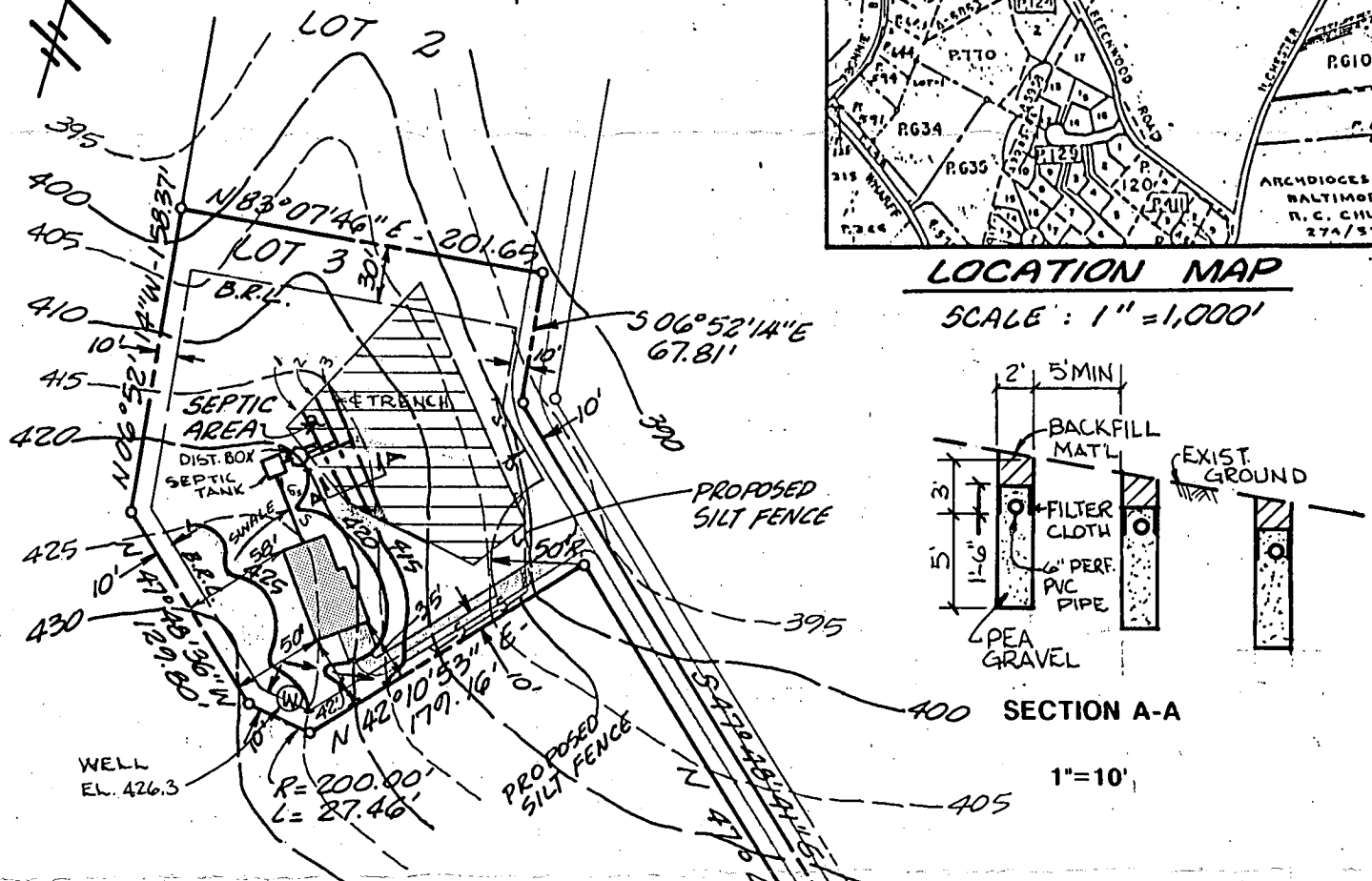
RECEIVED HOWARD COUNTY HEALTH DEPT. 91 OCT 11 AM 10:48



PROPOSED HOUSE DIMENSIONS
4 BEDROOM



LOCATION MAP
SCALE: 1" = 1,000'



SECTION A-A
1" = 10'

ROBERT F. WELSH
LIBER 1034/461

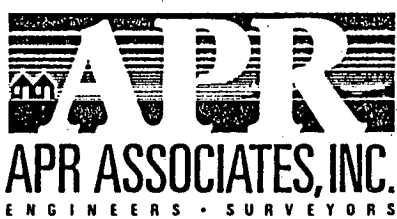
LOCATION	GROUND ELEV.	INVERT ELEV.	SIZE
HOUSE OUT	422.0	418.0	33 L.P. 6" DIA. PVC
SEPTIC TANK			
IN	422.0	417.5	1,250. GAL.
OUT	422.0	417.2	
DISTRIBUTION BOX			
IN	420.0	417.0	2'x3'x2'
OUT	420.0	417.0	
TRENCH			
1.	417.5	414.5	55 L.P.
2.	416.3	413.3	65 L.P.
3.	415.0	412.0	85 L.P.

I certify that the above measurements are actual and correct for this property.

Paul K. Francis

Paul K. Francis, PE

PERMIT NO. 41146



7427 Harford Road • Baltimore, Maryland 21234 • (301) 444-4312

PLOT PLAN
LOT 3
PROPERTY OF
STUART WELSH
4720 ILCHESTER ROAD
HOWARD COUNTY
MARYLAND

1" = 100' FEB. / 5 / 1992
SCALE: DATE