

8/24/91
9/21/91 AM
10:00

(9/21/91)
(1:00 PM)

PERMIT

05-409675

SEWAGE DISPOSAL SYSTEM

P 47355

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 37273

DISTRICT 5th

DATE 7/26/91

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE SYSTEM APPROVED 9/13/91

INSPECTOR RH

INDEXED

Ben Lewis IS PERMITTED TO INSTALL ALTER

ADDRESS P. O. Box 93, Germantown, Maryland 20874 PHONE 428-3900

SUBDIVISION Fulton Estates LOT 5 ROAD 12145 Fulton Estates

PROPERTY OWNER ~~NV Homes~~ Chen

ADDRESS 2200 Defense Highway, Suite #301, Crofton, Maryland 21114

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 120
~~145~~

↓ 6 FT

TRENCHES - Trench to be 2.0 feet wide. Inlet ~~4.0~~ feet below original grade. Bottom 12 FT
~~maximum depth 9.0~~ feet below original grade. Effective area begins at 4.0 feet
below original grade. ~~5.0~~ feet of stone below distribution pipe.

LOCATION - Place the distribution box at a point 215 feet down the left (572.03') lot line
and 100 feet off the left lot line as seen when facing property from Fulton
Estates Court. Run trenches on contour toward the left (572.03') and right
(743.72') lot lines.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter and cap to
grade or above on septic tank. OK 7/24/91 RH

Revised 7/19/91 Owner requested minimal impaction.

PLANS APPROVED BY Jane E. Nadeau cm DATE 7/19/91

COVER NO WORK UNTIL INSPECTED AND APPROVED 9/13/91 DEPTH SPECS CHANGED
AFTER RETEST

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

BLDG. PERMIT SIGNED AND RETURNED
4/29/93
Serial # 49418 - 2000

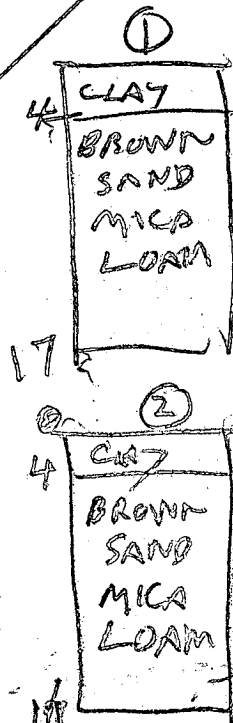
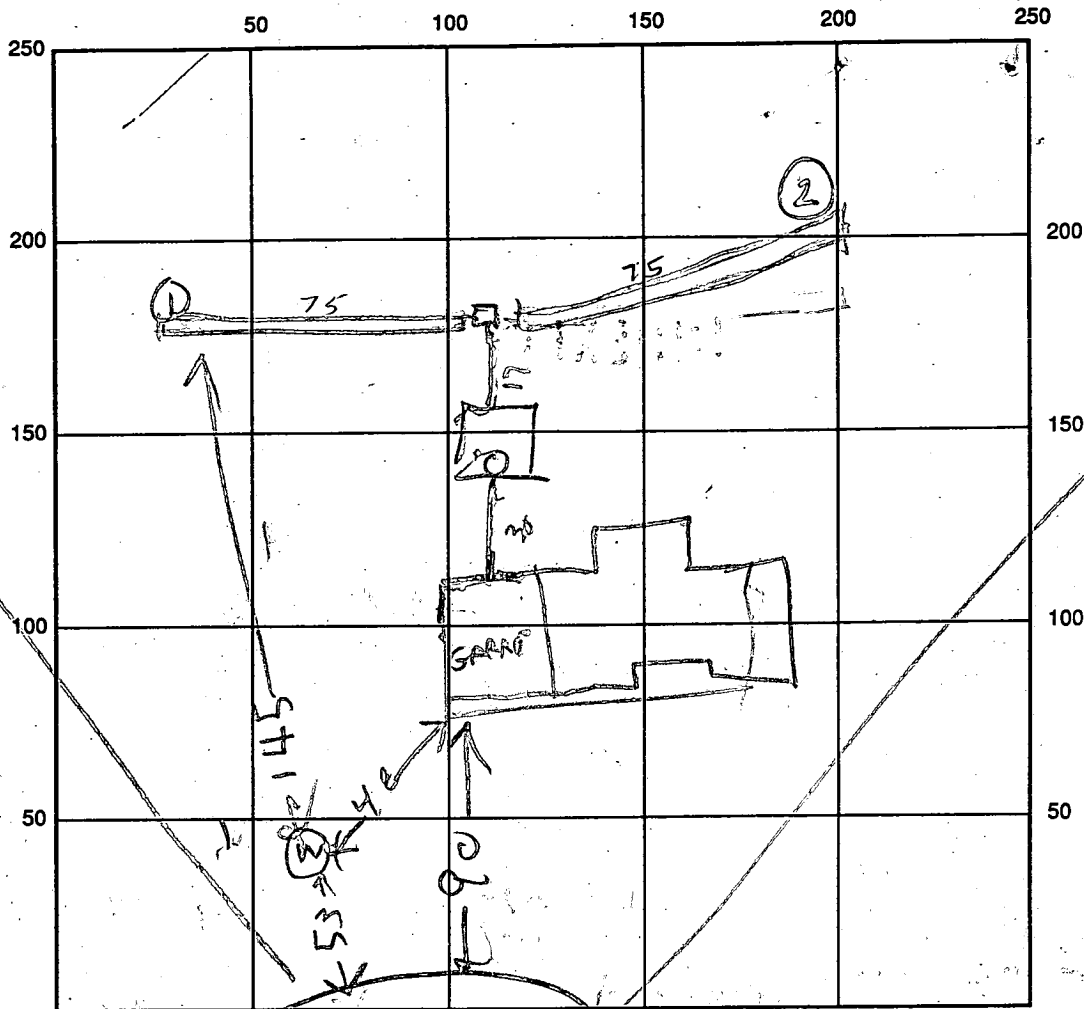
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

***CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.**

A 37273



SEPTIC TANK LEVEL 1250 Top 5 FT

CLEANOUTS MANHOLE TO
OK

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 12 FT. TRENCH WIDTH 2 FT. INLET DEPTH 6 FT.

EFFECTIVE GRAVEL DEPTH 6 FT. TOTAL LENGTH 16 FT.

NUMBER OF TRENCHES _____ ONE SIDEWALL/BOTTOM AREA _____ SQ. FT.

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

ABSORBENT AREA _____ SQ. FT.

REMARKS: 8/22/91 - REJECT! TRENCH TOO DEEP. 2 VISUAL
HOLE'S EACH - 16-17 FT DEEP NEEDED. RH SOMEONE CALLED

SAYID VISUAL HOLES WOULD BE DUG 10 AM SEPT 3 RH 7/3/91 VISUAL
HOLE'S DUG 16-17 FT DEEP ARE OK. SPECS CHANGED RH

"ADD STONE TO TRENCHES & INSTALL MANHOLE ON TANK"

9/3/91 12:00 MOST OF STONE ADDED 1" PUT 2" STONE OVER PIPE RH
9/3/91 18:00 STONE PUT OVER 2" PIPE RH

DATE SYSTEM APPROVED 9/3/91 INSPECTOR Raymond Hodge

APPLICATION

PERCOLATION TESTING

A 37273

P _____

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

DISTRICT _____

DATE 6/25/86

*7/30/86
perc OK'd
pending certified
plot*

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 E. Bessler, et al N.V. Homes - 320-2569

ADDRESS 6389 Ten Oaks Rd., Clarksville, Maryland PHONE 596-9300

PROSPECTIVE BUYER Potomac Building & Development Corporation

ADDRESS 3517 Spencerville Rd., Burtonsville, Md. PHONE 421-4030

PROPERTY LOCATION:

BLDG. PERMIT SIGNED
AND RETURNED 2/11/91
5 Serial # 36585-SFD

SUBDIVISION Fulton Estates LOT NO. _____

ROAD AND DESCRIPTION Route 216 - south side of Route 216 approximately 1000 feet west of (4 Bedrooms)

Pindell School Road (12145 Fulton Estates Court)

TAX MAP 41 69 & 203 PARCEL # _____

BLDG. PERMIT SIGNED
AND RETURNED 9/19/89
Single Family Serial # 28793

SIZE OF LOT 3 Acre TYPE BLDG. _____
(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

Army D. Anderson
(SIGNATURE OF APPLICANT) VP

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

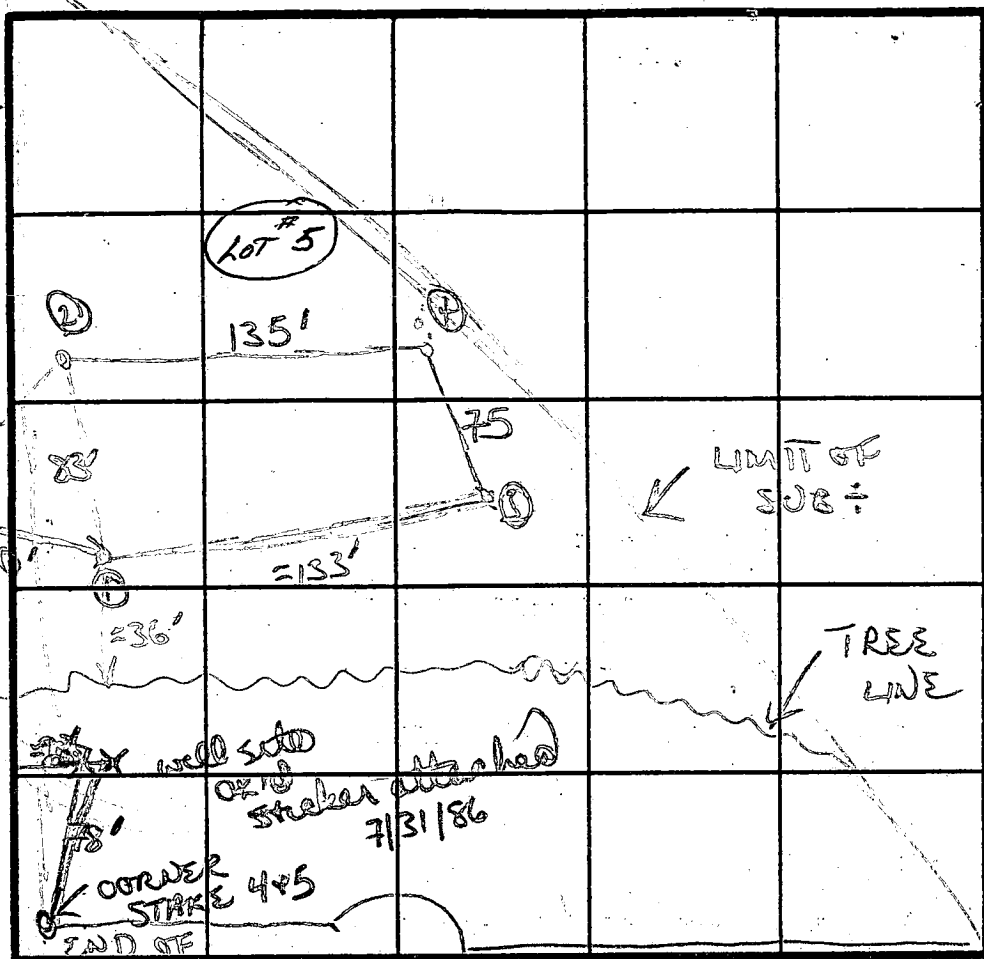
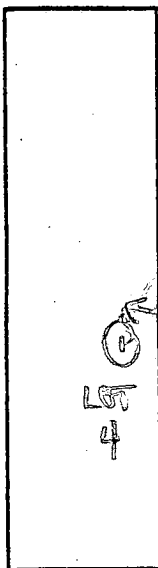
REASONS FOR REJECTION OR HOLDING for certified plot with all holes field located

NOTE: SIDE LOT LINE ADJUSTMENT MAY BE NEEDED
(S+4)

THIS IS NOT A PERMIT

TO LOT 4 ←

SOIL PROFILE



② ②

orange/red
hard pocket
clay/clay
loam
3 1/2'
silty powdery
orange/yellow
silty/sandy
loam
12' front of
weathered
material

FULTON INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

↓ TO LOT

orange/brown
clay/sandy
loam

changing to
purple silty
loam w/ small
patches chunky
clay throughout

orange/brown
mixture clay
& silt loam

predominately
silty powdery
sandy loam

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
7/30/86	①	3 1/2' S	2:07	2:09	2:09	2:12	3 MIN
		8' M	2:07	2:09	2:09	2:14	5 MIN
		13' D	hard bottom				
	②	3' S	2:18	2:25	2:25	2:35	10 MIN
		8' M	2:19	2:22	2:22	2:28	5 MIN
		14' D	bottom				
	③	4' S	3:04	3:06	3:06	3:08	2 MIN
		13 1/2' D					

REMARKS

perc field as per staked in field. Still difference of 1 inch vs open field on plat

NOTE: SIDE LOT LINE FOR 445 MAY NEED ADJUSTMENT TO ENSURE PERCS ON SEPARATE LOTS

TYPE OF SOIL

TESTED BY

ALSO PRESENT

12-1079

hard part weathered

APPLICATION

PERCOLATION TESTING

A 37273

P _____

WARRANTY

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

DISTRICT _____

DATE 6/25/82

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 E. Bessler, et al

ADDRESS 6389 Ten Oaks Rd., Clarksville, Maryland PHONE 596-9300

PROSPECTIVE BUYER Potomac Building & Development Corporation

ADDRESS 3517 Spencerville Rd., Burtonsville, Md. PHONE 421-4030

PROPERTY LOCATION:

SUBDIVISION Fulton Estates LOT NO. 5

ROAD AND DESCRIPTION Route 216 - south side of Route 216 approximately 1000 feet west of Pindell School Road

TAX MAP 41002 PARCEL # 69 & 203
SIZE OF LOT 3 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.

Sam D. Anderson
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

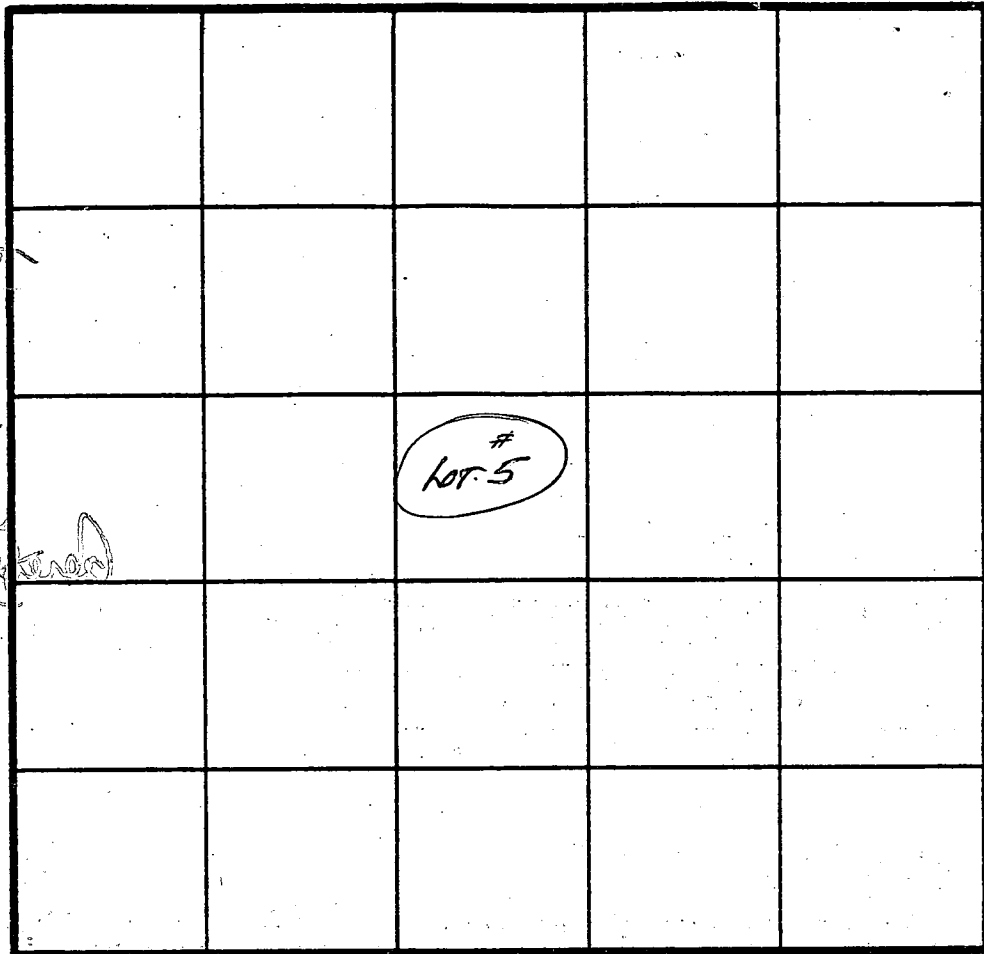
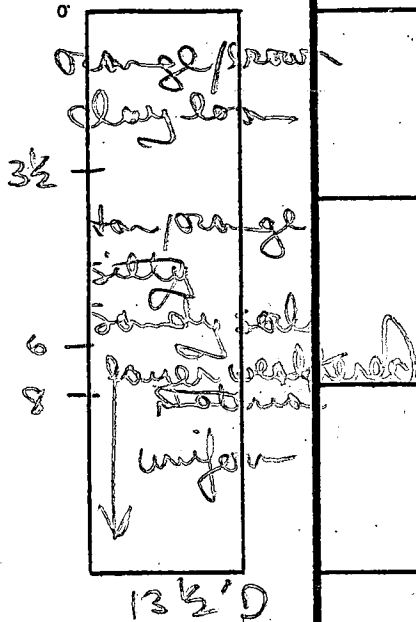
REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

8115-1013

④

SOIL PROFILE



$\bar{X} = 7^+ \text{ min}$
 INLET 3'
 MAX 8'
 1740/BD
 180

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

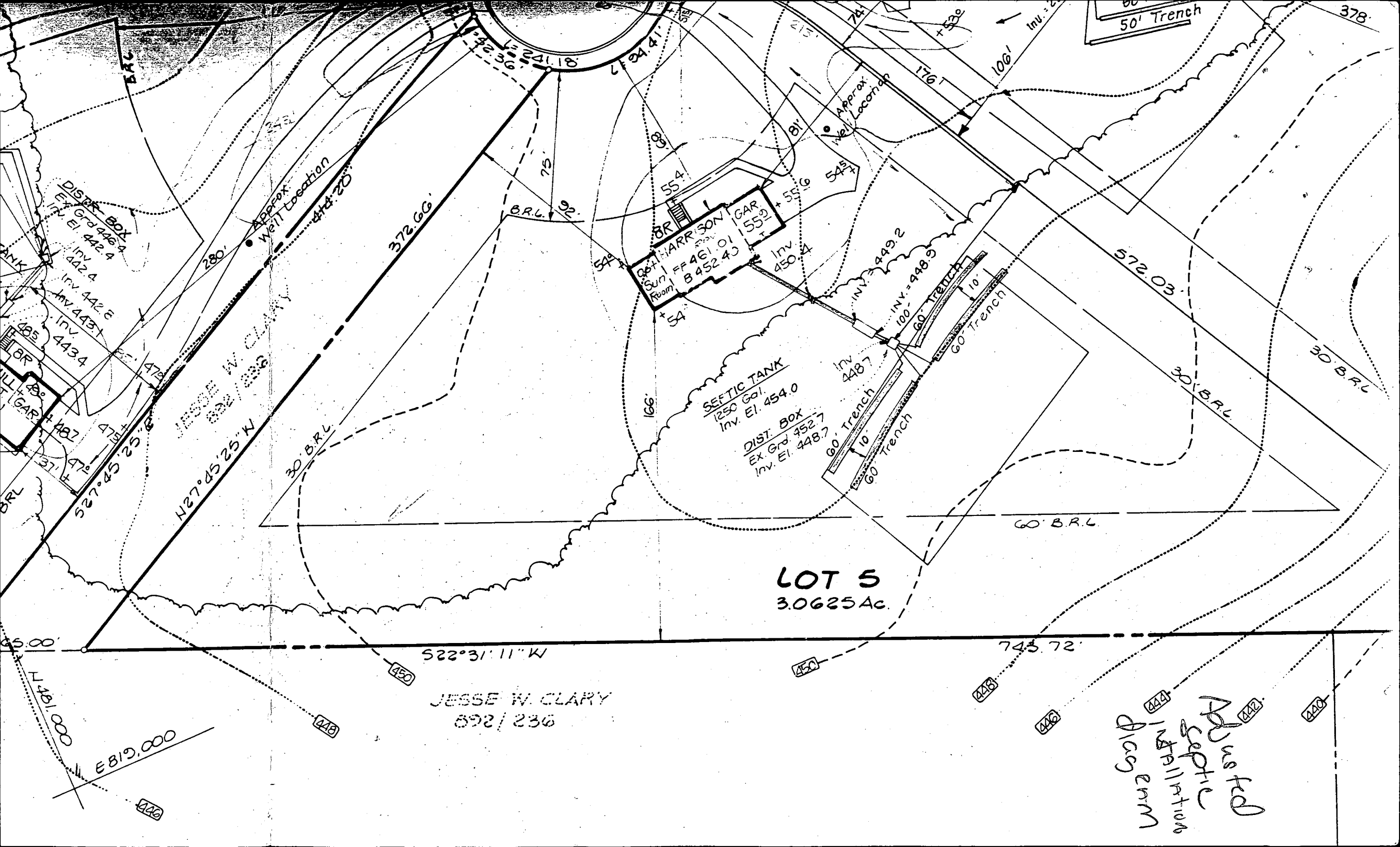
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME	
			START	STOP	START	STOP		
7/30/85	④	2 1/2'	250	3:03	3:03	3:26	23 MIN	
		8' m	250	251	251	254	3 MIN	
		13 1/2'	bottom (see profile)					

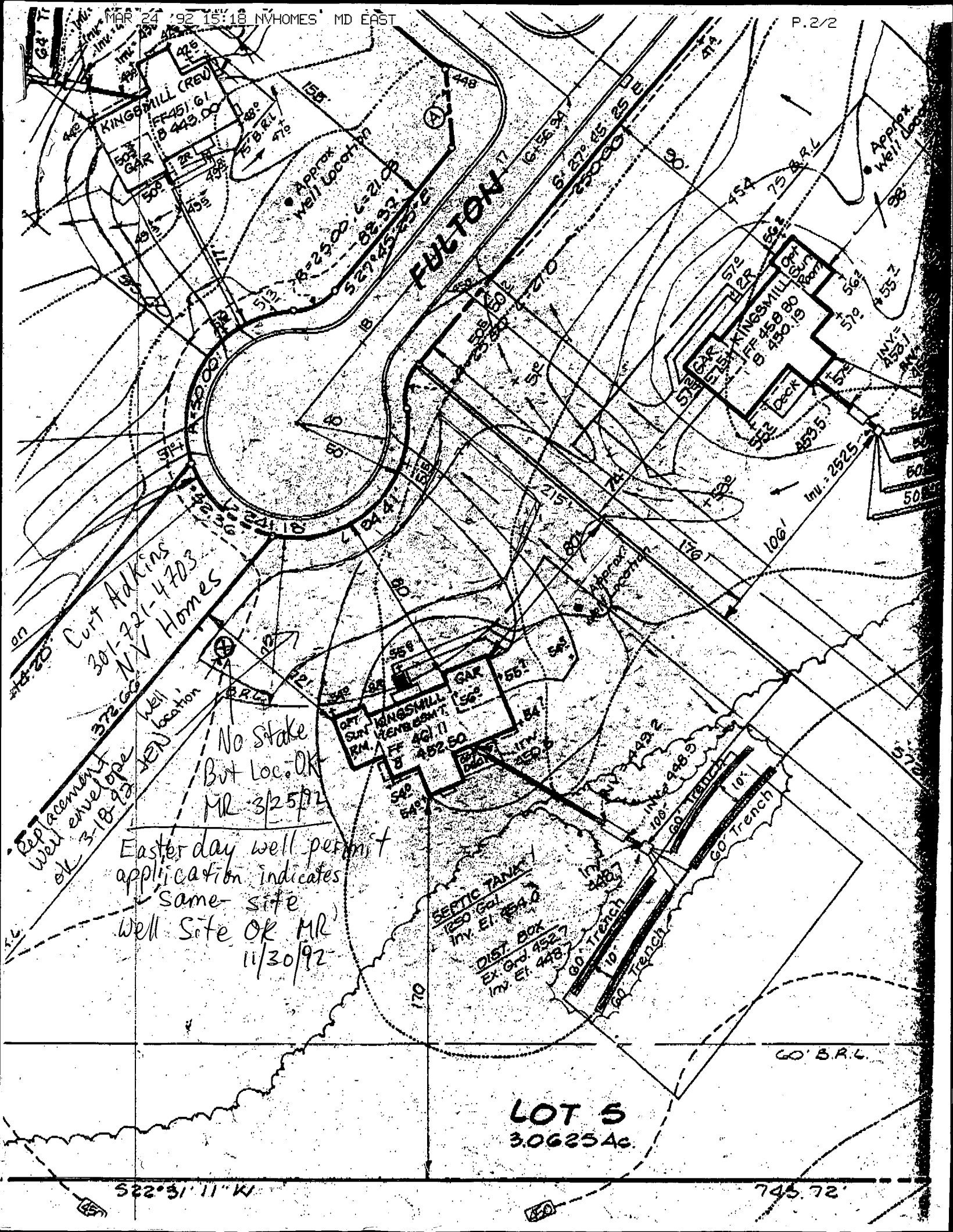
REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

EH-12-1079





Replacement
Well envelope
OK 3-18-92

Curt Adkins
301-721-4703
NV Homes

Well location

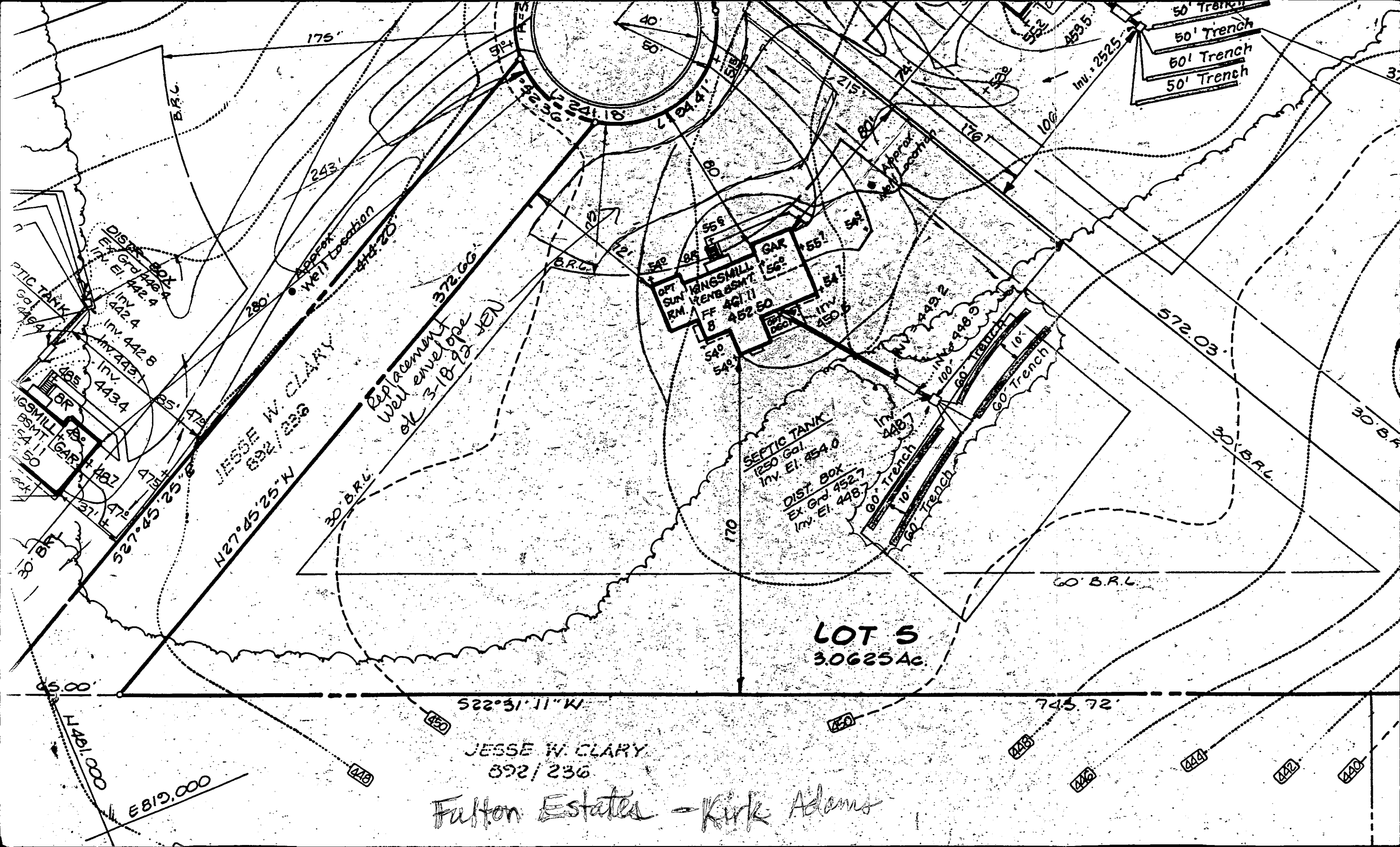
No stake
But Loc. OK
MR 3/25/92

Easter day well permit
application indicates
same site
Well Site OK MR
11/30/92

LOT 5
3.0625 Ac.

S22°51'11" W

745.72'



50' Trench
50' Trench
50' Trench

OPT. SUN RM.
KINGSMILL WEN. BSMT.
FF 407.71
GAR.
556
557
547
540
549

SEPTIC TANK
1250 Gal.
Inv. El. 454.0
DIST. BOX
Ex. Grd. 452.7
Inv. El. 448.7

LOT 5
3.0625 Ac.

JESSE W. CLARY
892/236

Fulton Estates - Kirk Adams

JESSE W. CLARY
892/236
N27°45'25" W

Replacement
Well envelope
of 3-18-92 VEN

DIST. BOX
Ex. Grd. 446.4
Inv. El. 442.4
Inv. 442.8
Inv. 443.4
Inv. 443.7

KINGSMILL GAR.
BSMT.
GAR.
465
467
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500

E 819,000
N 481,000

443
444
445
446
447
448

C1 6683 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 A37273

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well 400 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-92-0260

OWNER last name first name TOWN SUBDIVISION SECTION LOT

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 like Topsoil, Clay, Br. mica, etc.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT BENTONITE CLAY

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

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)

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

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

DEPTH (nearest ft.) 1 2 3 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) PUMPING RATE (gal. per min. to nearest gal.) METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING WHEN PUMPING TYPE OF PUMP USED (for test)

PUMP INSTALLED DRILLER WILL INSTALL PUMP YES NO IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)

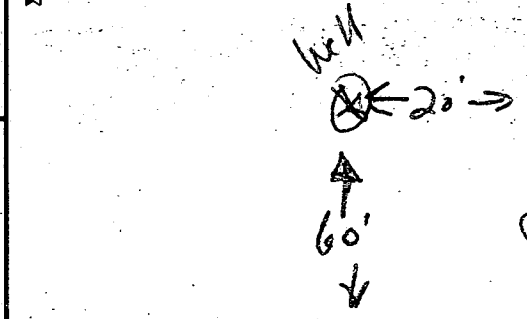
LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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



COUNTY

2483

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A37273

DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER, STREET OR RFD, SUBDIVISION, SECTION, LOT

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

GROUTING RECORD WELL HAS BEEN GROUTED, TYPE OF GROUTING MATERIAL, CEMENT, BENTONITE CLAY, NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD casing types insert appropriate code below, MAIN Casing Nominal diameter, Total depth

OTHER CASING (if used) diameter, depth

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

DEPTH (nearest ft.) table with rows for casing and screen

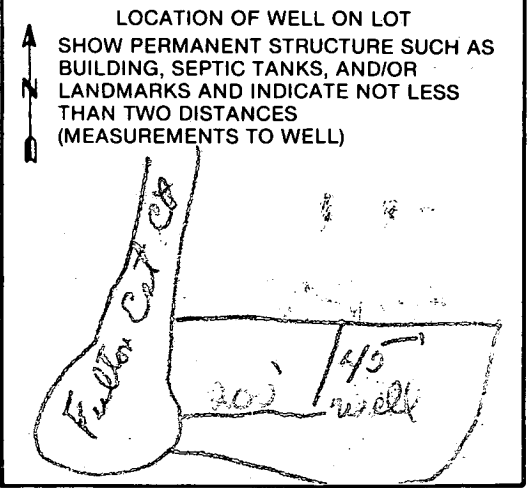
SLOT SIZE, DIAMETER OF SCREEN

GRAVEL PACK, IF WELL DRILLED WAS FLOWING WELL INSERT

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER), TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, BEFORE PUMPING, WHEN PUMPING, TYPE OF PUMP USED

PUMP INSTALLED DRILLER WILL INSTALL PUMP, TYPE OF PUMP INSTALLED PLACE, CAPACITY, GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT, LAND SURFACE



- 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 10.17.13 "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.

DRILLERS SIGNATURE

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

COUNTY

8/12/91
8/12/91
early PM

8/12/91
FINAL
- C.B.S.

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation Replacement
Receipt # 47354
Date 7/26/91
Name of Installer Ben Lewis, LLC Telephone 301-438-3100
License Number 11202
Certified Well Pump Installer Well Driller Registered Plumber
Name of Property Owner D.V. Woods Telephone 443-3200
Subdivision Fulton Estates Lot # 5 Well Tag # 140-88-0645 ✓
Site Address 13145 Fulton Estates Ct

Pump
1. Type
a. Deep well jet
b. Shallow well jet
c. Submersible
2. Make Gould
3. Model # 7FN05422
4. Capacity 6 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 3/4
2. RPM 3450
3. Voltage
a. 110
b. 220

Pitless Adapter
1. Make Watts
2. Model #
3. Depth 42"

Tank
1. Capacity 80
2. Pressure relief valve?

Piping
1. Type 160 PSI
2. Size 1"
3. NSF and/or BOCA Code approved
4. Depth of supply line 42"

Well data
1. Depth 400 ft.
2. Yield 6 GPM
3. Static water level 30 ft.
4. Will water supply be disinfected by installer? NO

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).

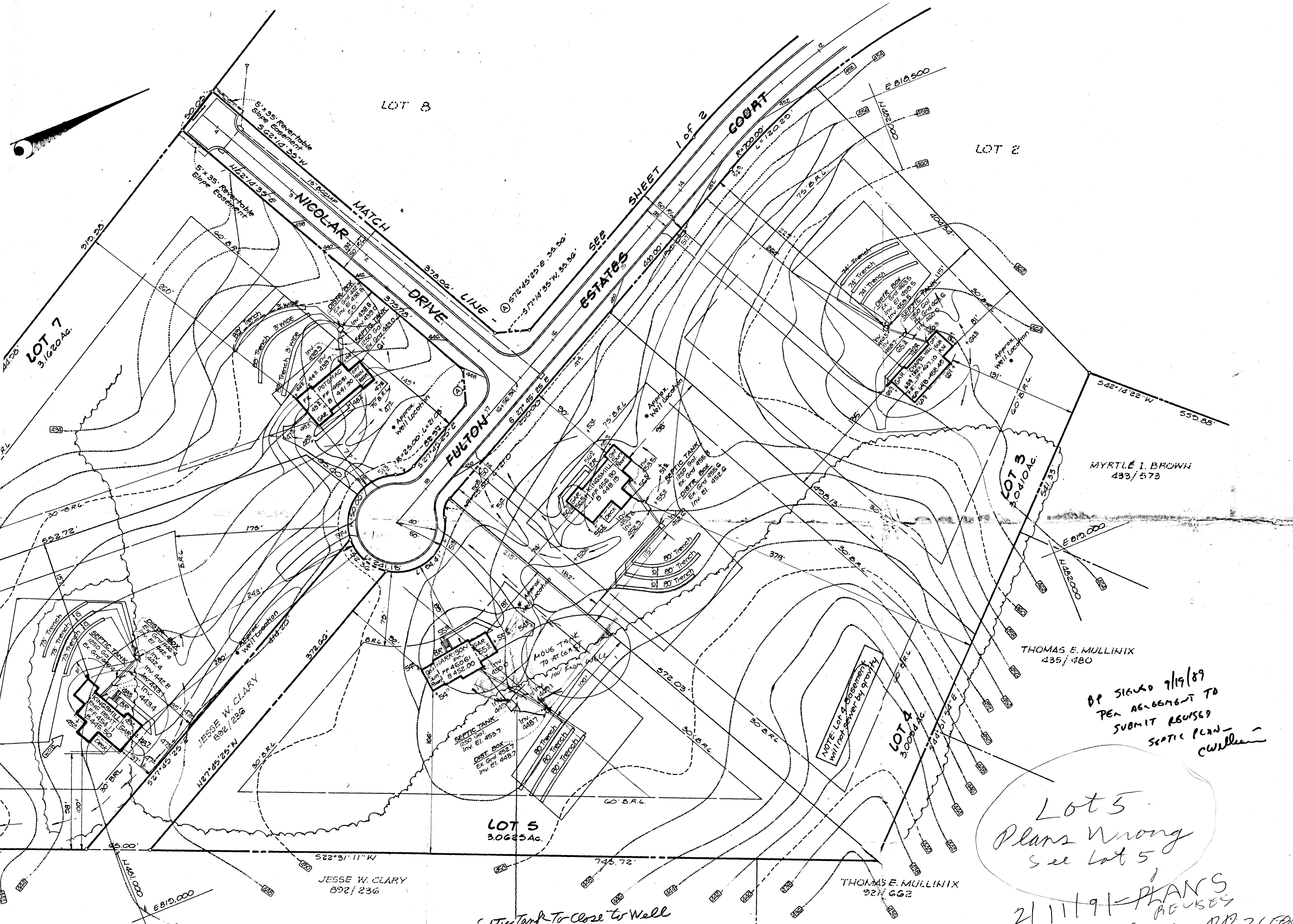
All information given above is true to the best of my knowledge.

Signature of Applicant: [Signature]

Date: 7/26/91

8/12 Carl

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




BP SIGNED 7/19/89
 PER AGREEMENT TO
 SUBMIT REVISED
 SEPTIC PLAN -
 CW/llm

Lot 5
 Plans Wrong
 see Lot 5

2/11/91 - PLANS
 BEUKES
 see for New BP 3659

Septic Tank Too Close to Well

240
 1000

 CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7200 - BALTO. • (301) 621-8100 - WASH.		
DESIGNED VHL	SITE DEVELOPMENT PLAN FULTON ESTATES LOTS 1 thru 10	SCALE 1" = 50'
DRAWN PER BAL.	TAX MAP 41 PARCELS 60 & 203 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	DRAWING 2 of 2
CHECKED	SEE NEW PLANS	



September 27, 1991

Yen Chen and Deborah Kelchner
12145 Fulton Estates Court
Fulton, Md. 20759

Dear Mr. Chen and Ms. Kelchner:

The County has agreed to grant temporary occupancy with your agreement to the following conditions:

1. NVHomes supplies you with bottled water until a good sample has been obtained from your well.
2. NVHomes rechlorinates and conducts test one week after each rechlorination without the aid of the UV filter repeating this process as needed if evident that a good sample may prevail.
3. You agree not to drink the water until after we have obtained a good sample.

Additionally, the UV filter installed in your home by NcNew Cilligan is a model DW7 by Ultra Dynamics. No rechlorination of the well has been done since installation of this unit.

A signature below will indicate your acknowledgement of the above stated conditions for temporary occupancy.

Sincerely,


Curtis W. Adkins
Production Manager

Yen Chen 9/27/91
Yen Chen Date

Deborah Kelchner Date

CWA/ww.