

LAYOUT 11/20/03 - 11 AM INSP 4 _____
 INSP 2 11/21/03 - 2 pm INSP 5 _____
 INSP 3 _____ INSP 6 _____

05-406951

ISSUE DATE: 10/15/2003

P 519621

APPROVAL DATE: 11/21/03

A 39169

**PERMIT
INDEXED**

**ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH**

Hatfields Equipment IS PERMITTED TO INSTALL ALTER

ADDRESS: 13785 Burntwoods Road PHONE NUMBER: 301-854-6172
 SUBDIVISION: Waterman Estates LOT NUMBER: 18
 ADDRESS: 12464 Petrillo Drive PROPERTY OWNER: Douglas Homes, Inc.
 SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED
 PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED
 NUMBER OF BEDROOMS: 4
 SQUARE FEET PER BEDROOM: 180
 LINEAR FEET OF TRENCH REQUIRED: 240 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box near the middle of the top of the septic easement. Run trenches on contour in both directions.
NOTES:	Keep the septic tank 100' from the well.

PLANS APPROVED: Brian Baker OK SRK 10/15/03 DATE: 7/29/03

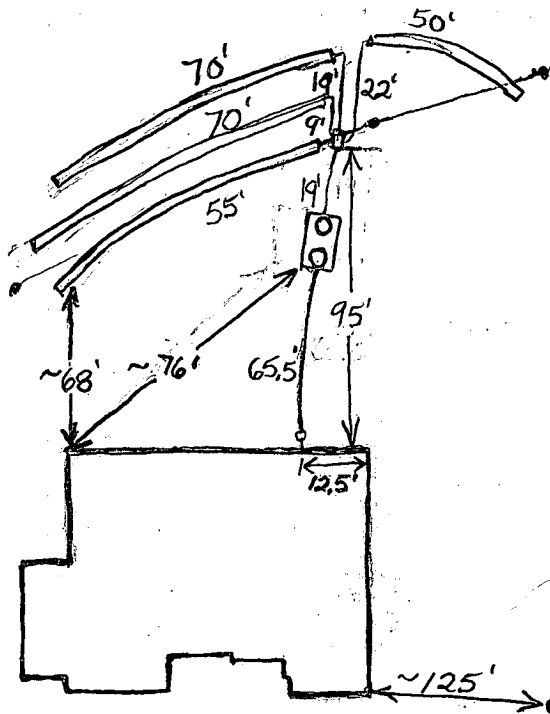
NOTES: PERMIT VOID AFTER 2 YEARS
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
 WATERTIGHT SEPTIC TANKS REQUIRED
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED
 CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS
 RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
 ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM
 BUILDING PERMIT SIGNED
 AND RETURNED**

2/11/2004 800145840 500 GAL U.G. PROPANE TANK

A39169

NOT TO SCALE



Ho-88-06/4

Petrillo Drive

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
<u>3</u>	<u>3.5</u>	<u>5.5</u>
NUMBER OF TRENCHES		<u>4</u>
TOTAL LENGTH		<u>245</u>
ABSORPTION AREA		<u>735 sq ft</u>
DISTRIBUTION BOX LEVEL		<u>Yes</u>
DISTRIBUTION BOX BAFFLE		<u>Yes</u>
DISTRIBUTION BOX PORT		<u>No</u>

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<input checked="" type="checkbox"/>
CAPACITY	<u>1500</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>2.5'</u>
BAFFLES	<u>Front</u>
BAFFLE FILTER	<u>No</u>
MANHOLE LOC	<u>Front + Back</u>
6" PORT LOC	<u>None</u>
WATERTIGHT TEST	<u>No</u>
SEPTIC TANK 2 LEVEL	<u>N/A</u>
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

2-Comp.

PRE-CONSTRUCTION 11/20/03 Tank set. Need house connection. Install trenches on contour as per plan. (BB) 11/21/03 System INSTALLATION satisfactory. O.K. to cover. (BB)

BUILDING PERMIT SIGNED

DATE RETURNED

FINAL INSPECTOR B. Baber

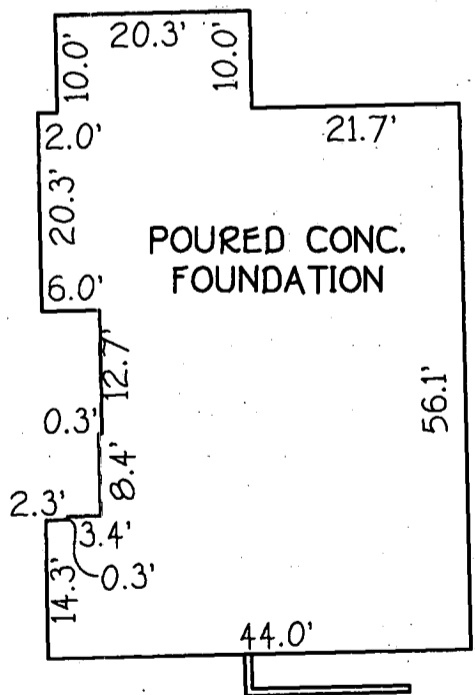
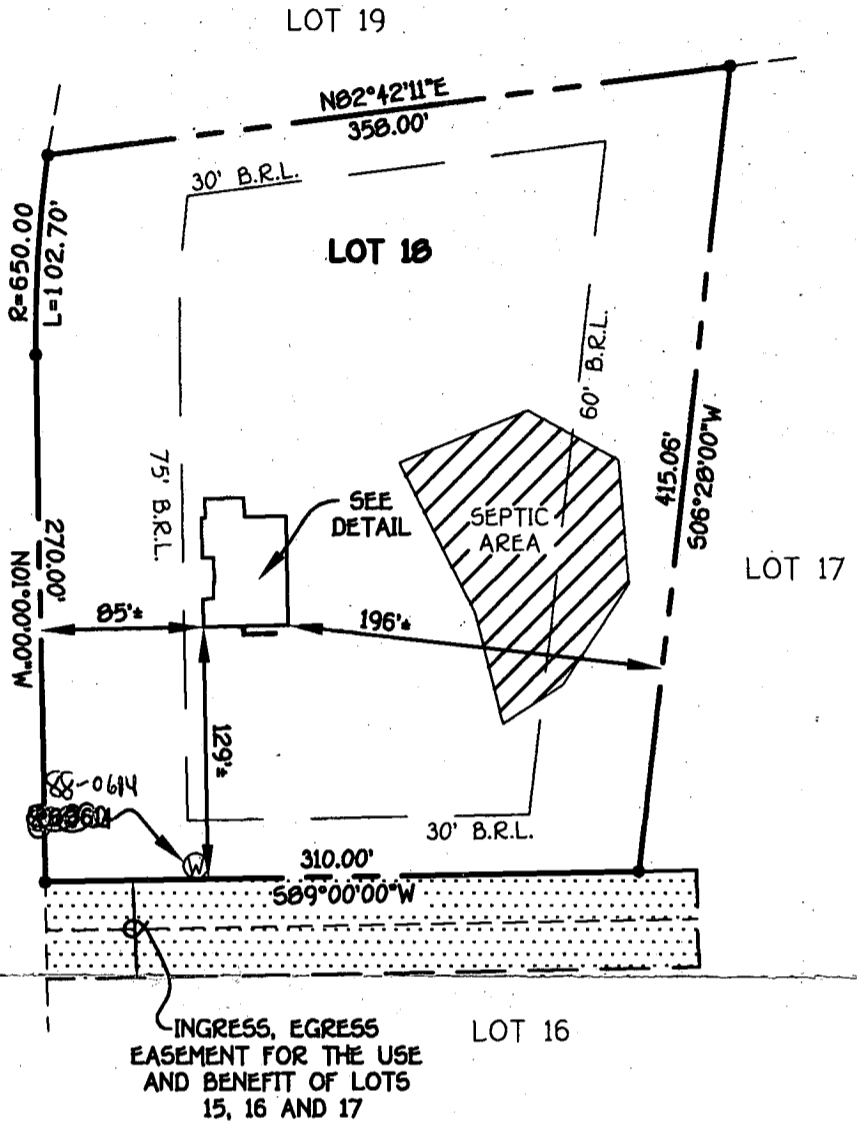
DATE OF APPROVAL 11/21/03

GENERAL NOTES:

- 1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INSOFAR AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE COMTEMPLATED TRANSFER, FINANCING OR REFINANCING OF THE PROPERTY SHOWN HEREON. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS LOCATION DRAWING IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS LOCATION DRAWING DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING FOR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 2400440037 B EFFECTIVE DEC. 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 1' (+)
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.



PETRILLO DRIVE
(50' R/W)



10/15/03 - Wall Check
OK, shown
well location
does not match
well loc. on BP Plan
SRK

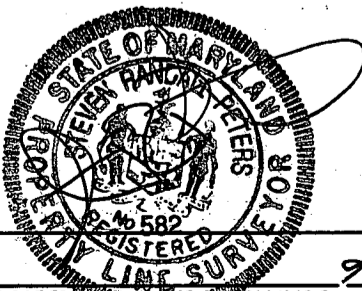
LOT 18
WATERMEN ESTATES
SECTION ONE, LOTS 5 THRU 19
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT REF. 7482

**HOUSE LOCATION
DRAWING**

FOUNDATION LOCATION: 9/11/03
FINAL LOCATION: _____
BOUNDARY SURVEY: _____

SCALE: 1"=100'
DATE: 9/16/03
DRAWN BY: A.K.O.
CHECKED BY: S.R.P.
PROJECT No.: 61753

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461 - 2855



PROFESSIONAL LAND SURVEYOR DATE 9/16/03
REG. 582

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Fogles Well Drilling Telephone #: 410-795-5670
Address: 590 obrecht rd
Sykesville md 21784

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:
Name (Print): Allen Compton License# MSD 009

*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: Douglas Homes Telephone #: _____
Subdivision: Waterman Estates Lot #: 18 Well Tag #: HO-88-0614
Site Address: Peterville Dr.

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Goulds Make: Campbell Two piece watertight cap: yes
Model #: 75 B07422 Model#: N/A Screened, vented well cap: yes
Pump Capacity 7 GPM Depth: 36 (36" min) Cap secured to casing: yes
Well Yield: 1.4 GPM NSF approved: yes Conduit min 18" B.G.: yes
Depth of well encountered at time of pump installation: 325 (feet) Conduit secured to well cap: yes
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt N/A

Piping to house House Connection
Type: 1" Black Pvc PVC sleeved to undisturbed soil at wall penetration: yes
PSI: 160 (160 psi min) Approximate length of sleeve: 5
Depth of supply line: 1/2 36" min) Sleeve caulked and sealed properly: yes

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Allen Compt 12-20-03
Signature of company representative responsible for installation date

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: _____ Date Insp. Approved: 11/21/03 **(BB)**
Inspection Data: Pitless adapter and water supply line at least 36" below grade ✓
Two piece cap installed and attached to casing securely ✓
Elec. conduit extends at least 18" below grade/attached to cap properly ✓
Safety rope installed inside of well casing ✓
Correct well tag attached properly and casing 8" above finished grade ✓
Water supply line sleeved adequately at house connection ✓
Adequate grout observed below pitless adapter ✓

C1 2465 SEQUENCE NO. (DENV USE ONLY)
 1 2 3 6
 (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 A-39169

DATE Received [] DATE WELL COMPLETED 060299 Depth of Well 225 (TO NEAREST FOOT)
 8 13 15 20 22 26 28 37
 PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-88-0014

OWNER HILL TOP DEVELOPMENT
 STREET OR RFD last name Pindell Dr. first name TOWN FELTON
 SUBDIVISION WATERMAN EST SECTION 1 LOT 18

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		Check if water bearing
	FROM	TO	
<u>SANDSTONE</u>	<u>0</u>	<u>26</u>	
<u>CONCRETE</u>	<u>26</u>	<u>305</u>	

Dry well 400'
Filled in with cement & drilled materials

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N
 TYPE OF GROUTING MATERIAL
 CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS 8 NO. OF POUNDS 752
 GALLONS OF WATER 48
 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 CO
 STEEL CONCRETE
PL OT
 PLASTIC OTHER

MAIN CASING
 Nominal diameter top (main) casing (nearest inch) 5
 Total depth of main casing (nearest foot) 23

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

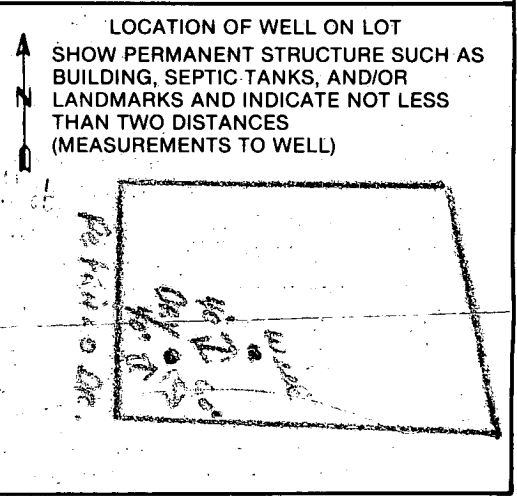
DEPTH (nearest ft.)
 EACH SCREEN
 1 HO 31 325
 2
 3
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH) from to

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

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

C 3
PUMPING TEST
 HOURS PUMPED (nearest hour) 1
 PUMPING RATE (gal. per min. to nearest gal.) 14
 METHOD USED TO MEASURE PUMPING RATE Bucket
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 9
 WHEN PUMPING 229
 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 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) 31
 PUMP HORSE POWER 37
 PUMP COLUMN LENGTH (nearest ft.) 43
 CASING HEIGHT (circle appropriate box and enter casing height)
+ above } LAND SURFACE (nearest foot) 2
- below }



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. 398
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-0614
 Location of property (road) Pittula Dr.
 Subdivision Wetymann East Lot 18 Block _____ Plat _____ Sec. 1
 Well Driller J. Mcayre Owner Thurston Dunlop

Depth of well 325'
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 3'

I. High rate pumping -- reservoir drawdown

Time pump started 7:30 Pumping rate 20 gpm
 Total time 45 min. to reach pumping water level 225 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 1/2 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:45	165	3		20
8:00	228	4		15
8:15	225	36		1.6
8:30	225	36		1.6
8:45	225	36		1.6
9:00	225	36		1.6
9:15	225	36		1.6
9:30	225	36		1.6
9:45	225	36		1.6
10:00	225	36		1.6
10:15	225	36		1.6
10:30	225	36		1.6
10:45	224	36		1.6
11:00	224	36		1.6
11:15	224	36		1.6
11:30	224	36		1.6
11:45	224	36		1.6
12:00	224	36		1.6
12:15	224	36		1.6
12:30	224	36		1.6
12:45	224	36		1.6
1:00	224	36		1.6
1:15	220	40		1 1/2
1:30	221	41		1 1/2
HD-224:45	221	43	(over)	1.4

over
 7

B 1 **2237** SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

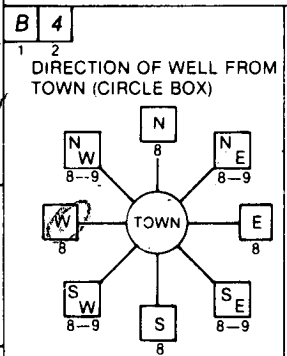
STATE OF MARYLAND
PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HO-88-0614
 fill in this form completely

Date Received (APA) **050989**
OWNER INFORMATION
HILLTOP DEVELOPMENT
 15 Last Name Owner First Name
PO BOX 208
 36 Street or RFD 55
CLARKSVILLE MD 21029
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
HOWARD COUNTY
WATERMAN ESTATES SUBDIVISION
 SECTION **1** LOT **18**
FULTON NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **1** MI

DRILLER INFORMATION
Joseph L. Mayne Driller's Name License No. **238**
Joseph L. Mayne Well Drilling Firm Name
5572 Ridge Rd. Mt. Airy Md. 21111 Address
Joseph L. Mayne Signature Date **5/1/89**



Petrillo Drive NEAR WHAT ROAD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH SOUTH WEST EAST
 DISTANCE FROM ROAD **40** FT
 ENTER FT or MI **FT**

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**

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 APPROVAL AND STATE HEALTH DEPARTMENT APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME COUNTY NO. **A-39169**
 STATE SIGNATURE DATE ISSUED **05/5/89** INSERT S **11-14-89**
 CO SIGNATURE EXP. DATE
 NORTH GRID **481000** EAST GRID **0815000**

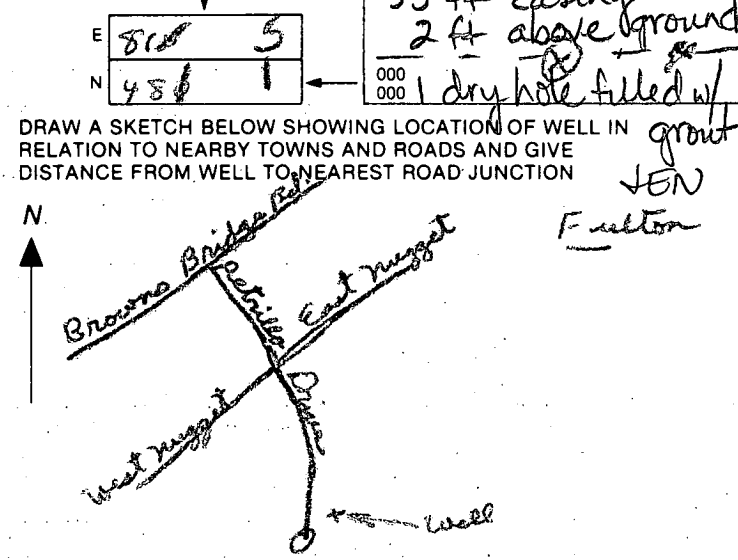
APPROXIMATE DEPTH OF WELL **260** FEET

APPROXIMATE DIAMETER OF WELL **6** INCH NEAREST

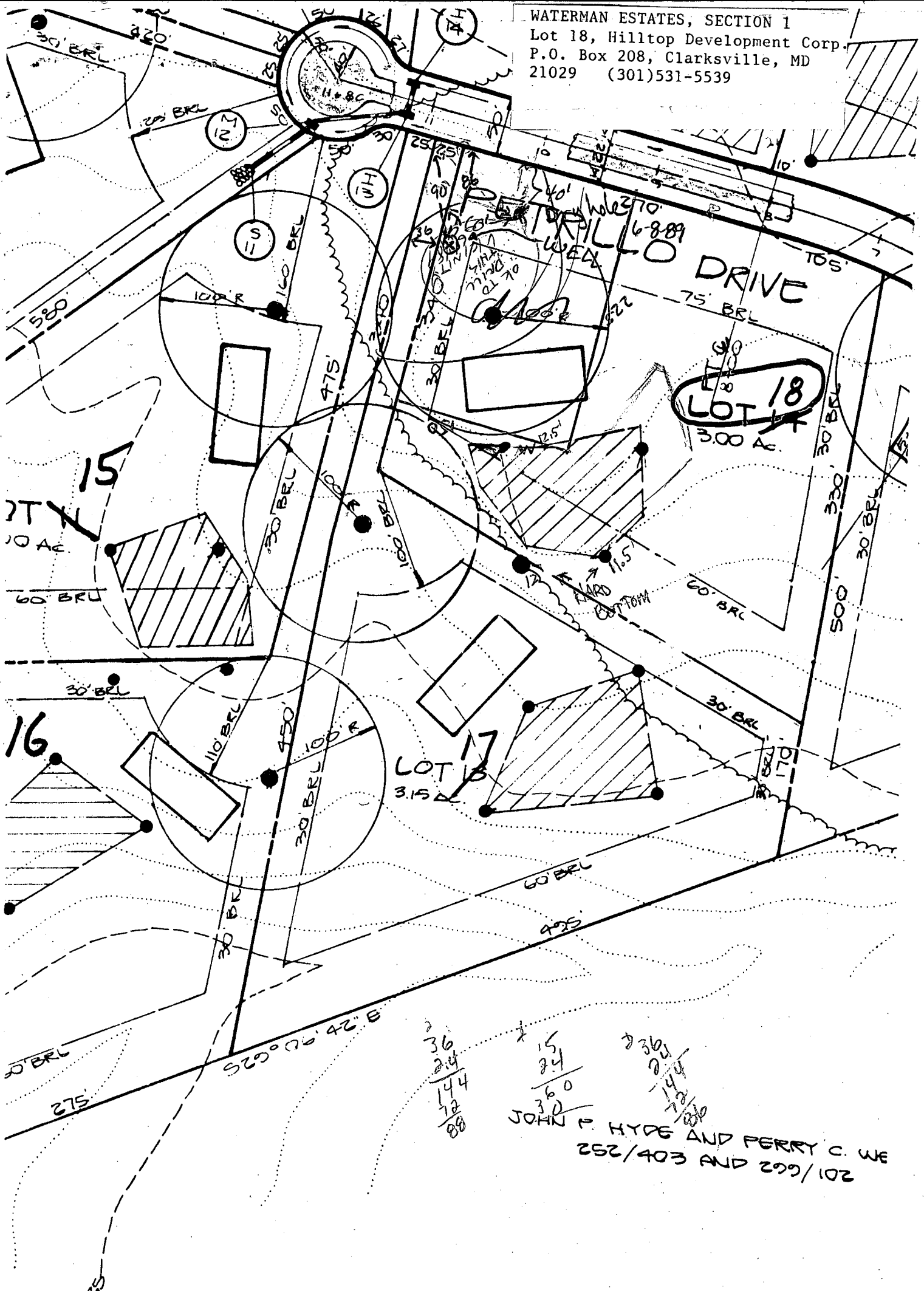
METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVerse-ROTary Drive-POINT
 other _____

REPLACEMENT OR 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
 THIS WELL WILL DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____

Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER _____ GAP _____
 FORCE **SA** WRITE INITIALS IN BOX PERMIT No. **HO-88-0614**

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

 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION
6-8-89 9:30
Great location ok
No opportunity to observe 1:00 pm
30 ft open hole
8 bags cement
33 ft casing
2 ft above ground
1 dry hole filled w/
grout
JEN
Fulton

WATERMAN ESTATES, SECTION 1
 Lot 18, Hilltop Development Corp.
 P.O. Box 208, Clarksville, MD
 21029 (301)531-5539



36
 24
 144
 12
 88

15
 24
 360
 30

360
 20
 144
 12
 88

JOHN F. HYDE AND PERRY C. WE
 252/403 AND 299/102

APPLICATION

PERCOLATION TESTING

A 39169

P _____

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

DISTRICT 5

DATE 4/2/87

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 ~~W-L Research, Inc.~~ Hilltop Development Corp

ADDRESS 7625 Brown Bridge Road PHONE 531-5539

PROSPECTIVE BUYER Richard J. Demmitt

ADDRESS P.O. Box 208, Clarksville, Md. 21029 PHONE 301-531-5539

PROPERTY LOCATION:

SUBDIVISION Waterman Estates, Section One LOT NO. Fourteen (14) ^{LOT 18} ~~14~~ ^{OR FINAL}

ROAD AND DESCRIPTION 7625 Brown's Bridge Road 12464 Petrillo Drive

TAX MAP 40 PARCEL # 250

SIZE OF LOT 3 acres 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.

Richard J. Demmitt
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING SFD-87 Blue satisfactory - Hold for PERM. S.M.C.

PERM. PERMIT SIGNED
AND RETURNED 7/6/89
Mail # 37903
SFD-3 Bedroom

THIS IS NOT A PERMIT

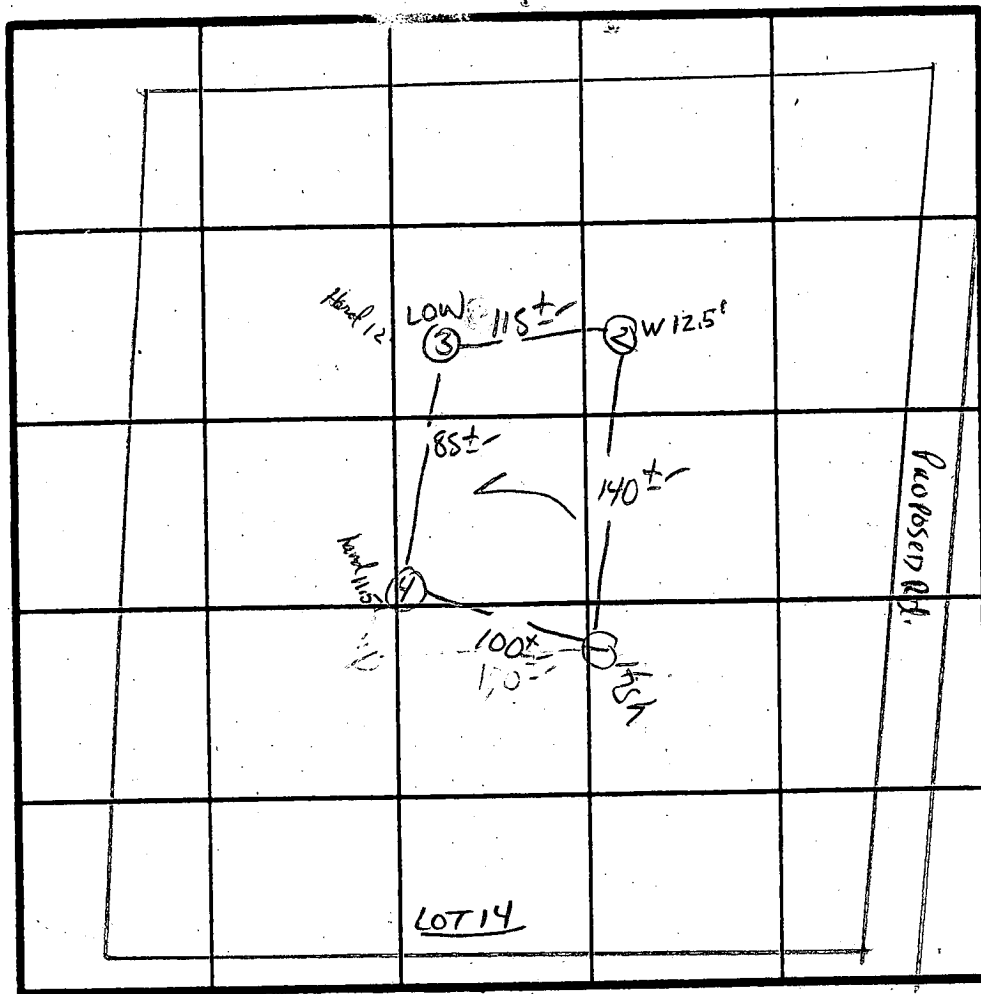
① → ④
SOIL PROFILE

0
5"
4-4.5
12.5
11-12.5

A1-3
Red Yellow
Silty CLAY
LOAM w/
Lg. QUARTZ
STAINS 9-12%
CLAY

Yellow BR
Silt LOAM
MICACEOUS
15-25%
FRAGS

△ HOLE 2



X Perc 4min
180 A/BK
INLET 3.5'
BOTTOM 5.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

↓ Brown Bridge Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/20/87	1 S	4'	1:23	1:25	1:25	1:30	5 MIN
	1 M	8'	1:22	1:24	1:24	1:30	6 MIN
	1 V	12.5'	HARD BOTTOM		UNIFORM SOIL		below 4'
	2 V	13'	WATER AT 12.5'		UNIFORM SOIL		below 4.5'
	3 S	4'	1:35	1:36	1:36	1:38	2 MIN
	3 V	12'	HARD BOTTOM		UNIFORM SOIL		below 4'
	4 S	4'	1:30	1:32	1:32	1:35	3 MIN
	4 V	11.5'	HARD BOTTOM		UNIFORM SOIL		below 3.5'

REMARKS: HOLES DIFF FROM PLAT (SHALLOW SYST ONLY) See PLAT for APPROX. LOCATION

TYPE OF SOIL: CHESTER

TESTED BY: S. R. [Signature] ALSO PRESENT: DEMMERT, JOFF

EH 12-1079

Name: Douglas Homes

12464 Petriello Drive

Highland, Md.

P 00145840

Propane tank

10' by 37" wide

D1 From Garage to tank 15 1/2'

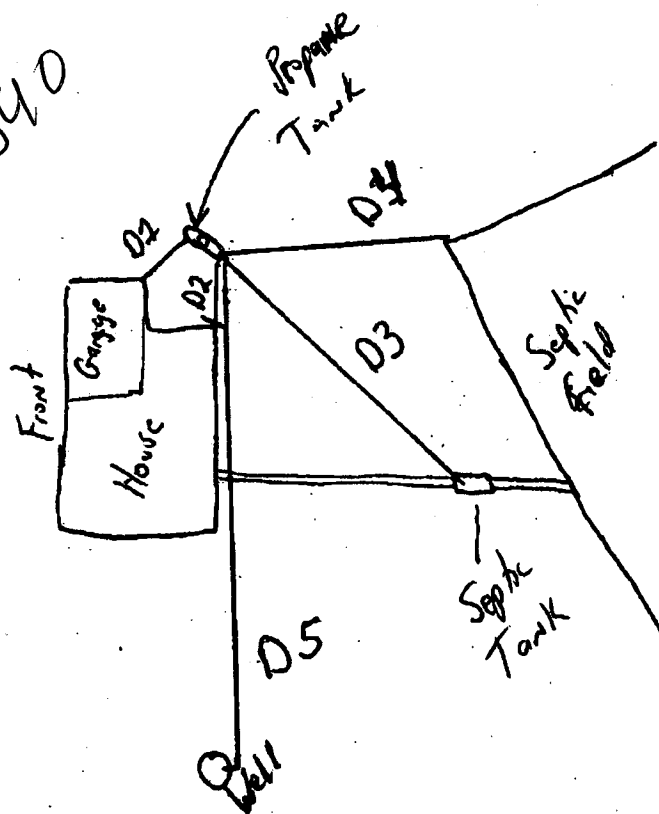
D2 From Back corner of Home to tank 19'

D3 From Tank to septic tank 87 1/2'

D4 From Septic casement to propane tank 60'

D5 From Well to propane tank 140'

600 145840



Approved Septic System Plan
Howard County Health Department

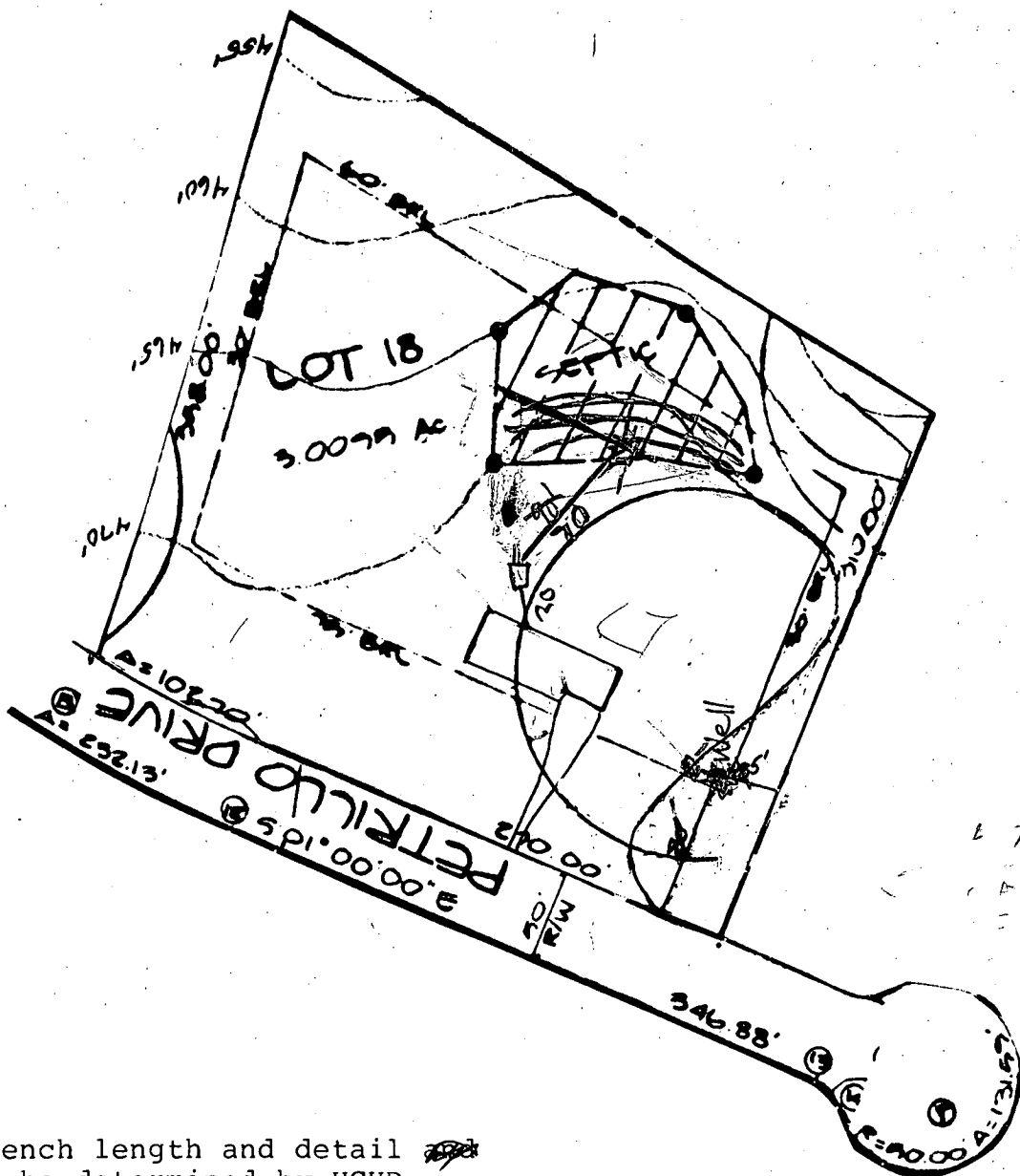
[Signature]
Signature

2/11/09
Date

scale is

1" = 50'

Lot 19 Waterman Estates
 Hilltop Development Corporation
 P.O. Box 208, Clarksville, MD 21029
 (301) 531-5539
 Scale 1" = 100'
 Contour Interval = 5'
3.0099 Acres



Trench length and detail to be determined by HCHD.

Ground at Well	<u>470</u>	
Ground at Field	469	470
Into Field	467	466.5
Out of Tank	467.2	467.4
Into Tank	467.4	467.2
Out of House	467.6	467.0
Basement	<u>469.1</u>	
First Floor	<u>479.1</u>	

Elev. Higher Than House Invert
 820-90 TEN

7/6/89
 Revised Plans
 BH

must check with developer

8/22/90 talked with R. Demmitt & changed Elevations per Red Ink - BH

470 0
 - 33.5
 436.5

4700
 3.5
 468