

8/5/87 AM  
Late

8/4/87 PM

04-344766

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 39458

A 31161

DISTRICT 4th

DATE 4/2/87

DATE SYSTEM APPROVED 8/6/87

INSPECTOR RH

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

INDEXED

Deer Park Excavating IS PERMITTED TO INSTALL X ALTER

ADDRESS \_\_\_\_\_ PHONE 833-7046

SUBDIVISION Patapsco Overlook ROAD 631 Weller Drive LOT 17

PROPERTY OWNER William & Mary Coutros

ADDRESS \_\_\_\_\_

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES \_\_\_\_\_ NO X

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 200 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 7 1/2 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 220 feet from the front lot line and 100 feet from the left lot line as seen when facing the property from Weller Drive. Run trench(s) along contour toward right-front part of property.

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

7/2  
3 1/2  
4

PLANS APPROVED BY G. Williams DATE 12/29/86

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.

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(IES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(IES).

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 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

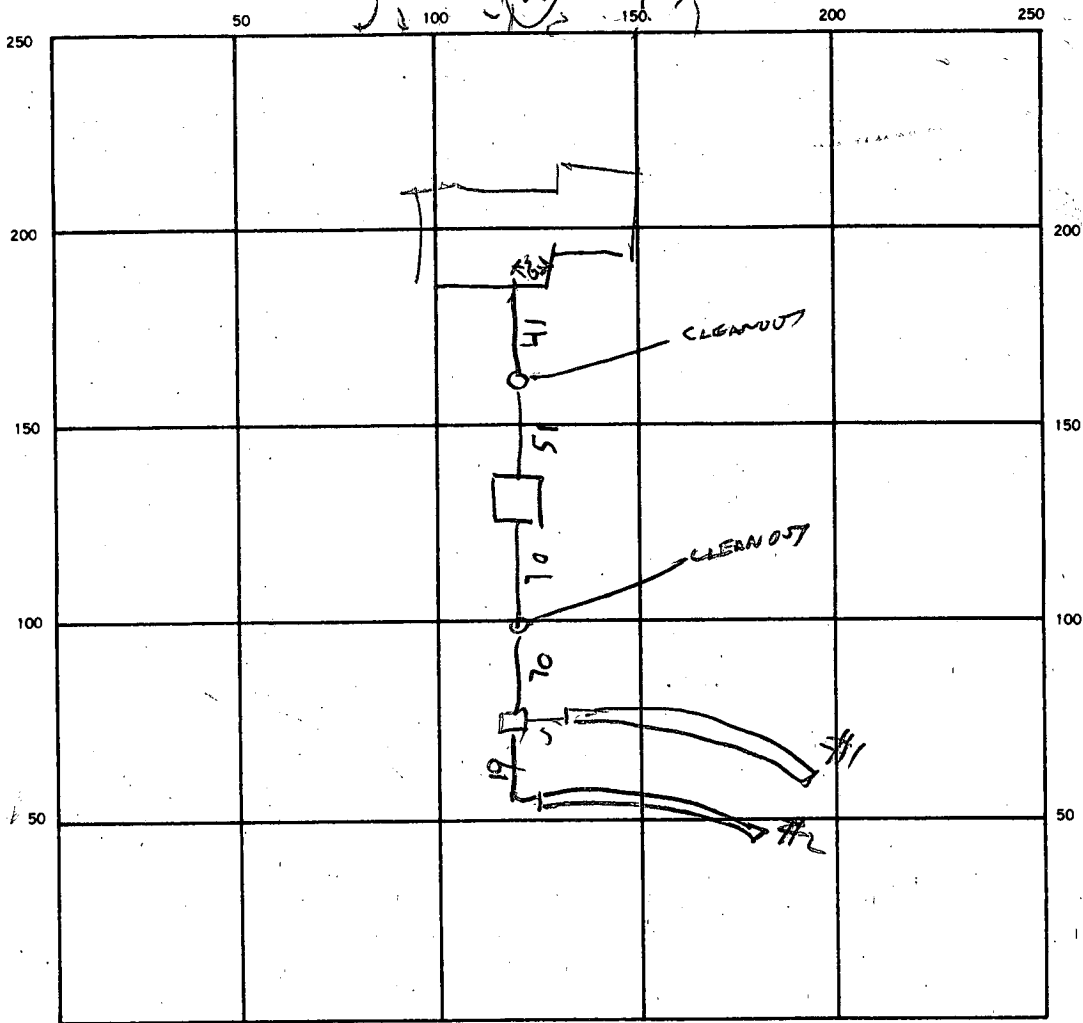
BLDG. PERMIT SIGNED  
AND RETURNED 5-16-98  
Serial # 200 111549-deck

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

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 31161



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

WELLER DRIVE

SEPTIC TANK. LEVEL OK 1500 CLEANOUTS ST OK

DISTRIBUTION BOX. LEVEL OK

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

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 106 FT. 100 FT. 206 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 224 SQ. FT. 800 SQ. FT.

DRYWELL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS 8/5/87 LOCATION LOOKS OK PER PLAN 8/5/87 -

OK TO COVER TANK & HOUSE SEWER DIG OUT ENDS OF  
TRENCHES TO DETERMINE # FT OF STONE AT

8/6/87 ENDS OF TRENCHES NOT OPEN

DATE SYSTEM APPROVED 8/6/87 INSPECTOR Raymond Hodges

# APPLICATION

A 31161

SEWAGE DISPOSAL TESTING

P \_\_\_\_\_

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

DISTRICT 4th

P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-5000, EXT. 356

DATE 2/9/81

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 Georgia Ave. Properties Inc.

ADDRESS c/o E. Brook Lee III, 13838 Ga. Ave, Wheaton, Md. PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Georgia Ave Properties LOT NO. 17

ROAD AND DESCRIPTION Md. Rte. 94 and Old Frederick Rd.

SIZE OF LOT 3 ac + TYPE BLDG. 3 or 4

NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE NA

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT *John A. Bonds*  
Agent

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

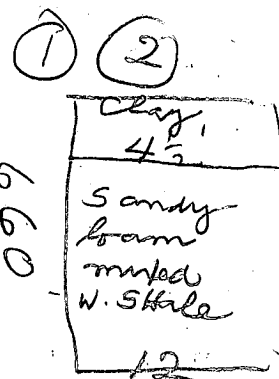
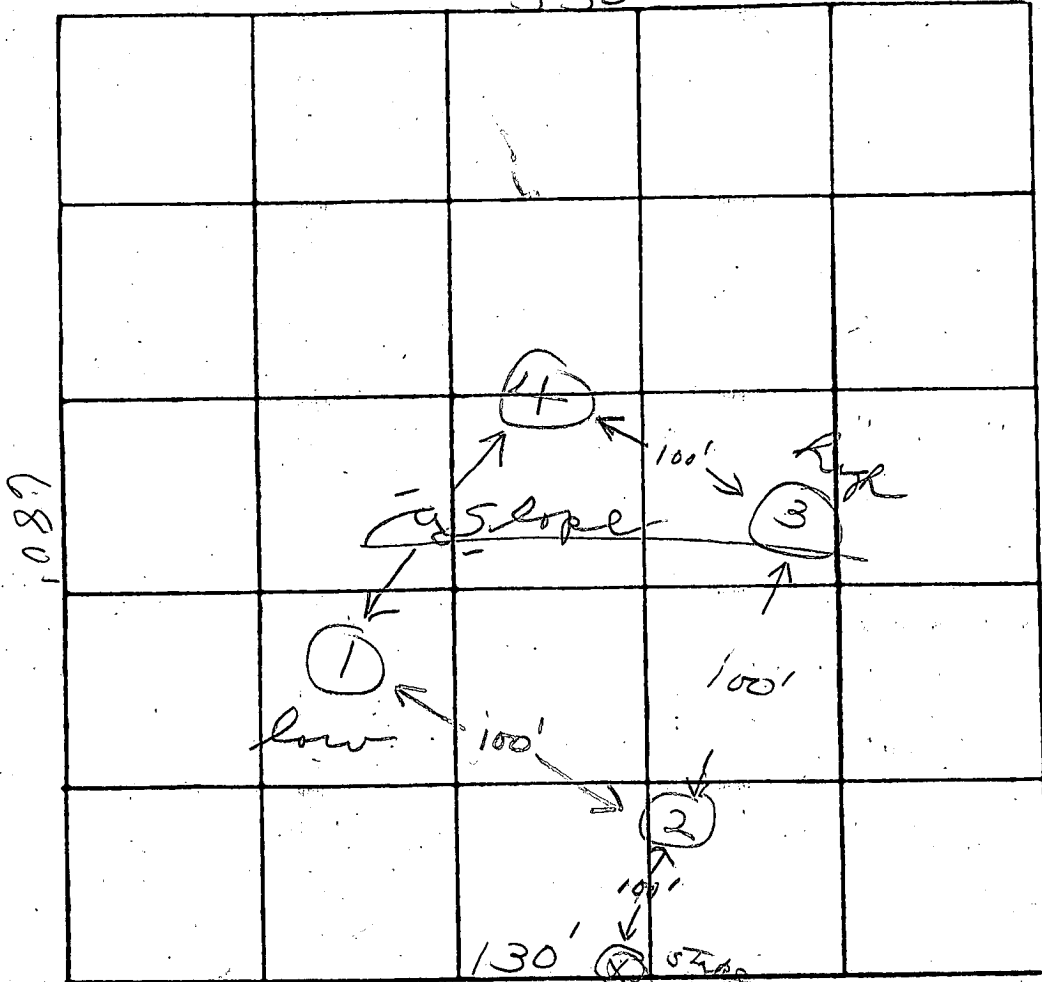
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

## THIS IS NOT A PERMIT

New-6

LOT 17 3.30'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Rd. A

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/22/81	1S	4	1:50	1:53	1:53	1:56	3
	1M	8	1:54	1:56	1:56	1:59	3
	2S	4	2:00	2:04	2:04	2:09	5
	2M	8	2:05	2:06	2:06	2:22	16
	3S	4	2:10	2:15	2:15	2:19	4
	3M	8	2:15	2:17	2:17	2:24	7
	4S	4	2:21	2:22	2:23	2:26	3
	4M	8	2:29	2:36	2:36	2:45	9

4' inlet

8' man

REMARKS OK

TYPE OF SOIL \_\_\_\_\_

TESTED BY [Signature] ALSO PRESENT: \_\_\_\_\_

B 1 4755

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

40-91-124-79 fill in this form completely

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

please print or type

1100 GAOJ 8/29/86

Date Received

081286

OWNER INFORMATION

15 Last Name 20 Owner 34 First Name

36 Street or RFD 55

57 Town 70 State 72 Zip 76

DRILLER INFORMATION

Driller's Name 77 License No. 80

Firm Name

Address

Signature Date

B 3

LOCATION OF WELL

8 COUNTY 21

23 SUBDIVISION 42

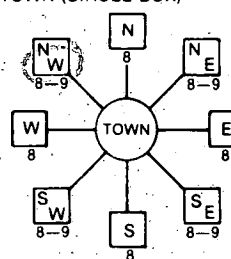
SECTION 44 46 LOT 48 50

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 73 76 77 78

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



11 NEAR WHAT ROAD 30 WELLER DRIVE

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 DISTANCE FROM ROAD 37 ENTER FT or MI 38 39

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

COUNTY NAME COUNTY NO.

OEP SIGNATURE STATE HEALTH INSERT S 41

DATE ISSUED CO SIGNATURE EXP. DATE

NORTH GRID 552000 EAST GRID 0778000

APPROXIMATE DEPTH OF WELL 24 28 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

REPLACEMENT OR DEEPEMED 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
D THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER 54 G A P 63

FORCE 67 68 WRITE INITIALS IN BOX PERMIT NO. 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

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
E 5520
N 0778

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION
N Could not identify this as lot 17. Bob doing pump tests, did not know. Not present at time of pump...



C1 5279

SEQUENCE NO. (OEP USE ONLY)

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 31161

DATE RECEIVED

8 13

DATE WELL COMPLETED

082986

Depth of Well

22 300 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

10-81-1647

OWNER: FALIN NORAIN last name first name STREET OR RFD: WELLES DRIVE TOWN: LISBON SUBDIVISION: PATAGON OVERLOOK SECTION: II LOT: 17

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. Rows include Top Soil, Brown Shale, Blue Slate, etc.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box)

TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC). NO. OF BAGS: 6. NO. OF POUNDS: 600. GALLONS OF WATER: 36. DEPTH OF GROUT SEAL: from 0 to 21 ft.

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

MAIN CASING TYPE: PL. Nominal diameter: 6 inches. Total depth of main casing: 24 feet.

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.) 70, 22, 305. E A C H S C R E E M N U M B E R

A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED. ELECTRIC LOG OBTAINED. 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...

DRILLERS IDENT. NO. 273. DRILLERS SIGNATURE: Rachel M... SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

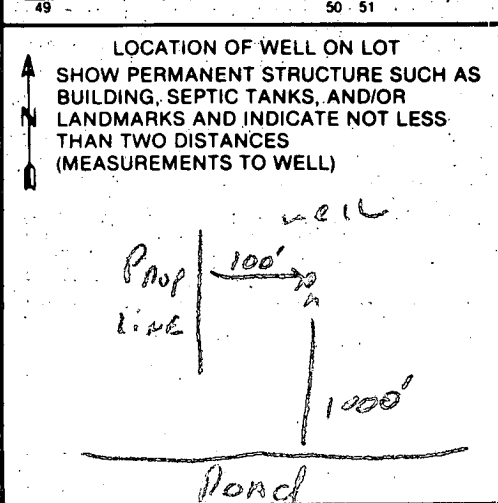
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (TELESCOPE CASING), E.R.O.S., WQ (OTHER DATA), LOG INDICATOR

PUMPING TEST

HOURS PUMPED (nearest hour) 6. PUMPING RATE (gal. per min. to nearest gal.) 2. METHOD USED TO MEASURE PUMPING RATE: Bucket. WATER LEVEL (distance from land surface) BEFORE PUMPING: 357. WHEN PUMPING: 250. TYPE OF PUMP USED (for test): 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: 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31-35. PUMP HORSE POWER 37-41. PUMP COLUMN LENGTH (nearest ft.) 43-47. CASING HEIGHT (circle appropriate box and enter casing height) (+) above, (-) below. LAND SURFACE (nearest foot) 50-51.



**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO - 81-1647  
 Location of property (road) WELLER DR.  
 Subdivision PATA PSCO OVERLOOK I Lot 17 Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. \_\_\_\_\_  
 Well Driller RALPH MAYWE Owner NORMAN FALIN

Depth of well 300 ft  
 Distance of measuring point (M.P.) above ground 2 ft  
 Static water level (S.W.L.) below M.P. 3 ft

I. High rate pumping -- reservoir drawdown

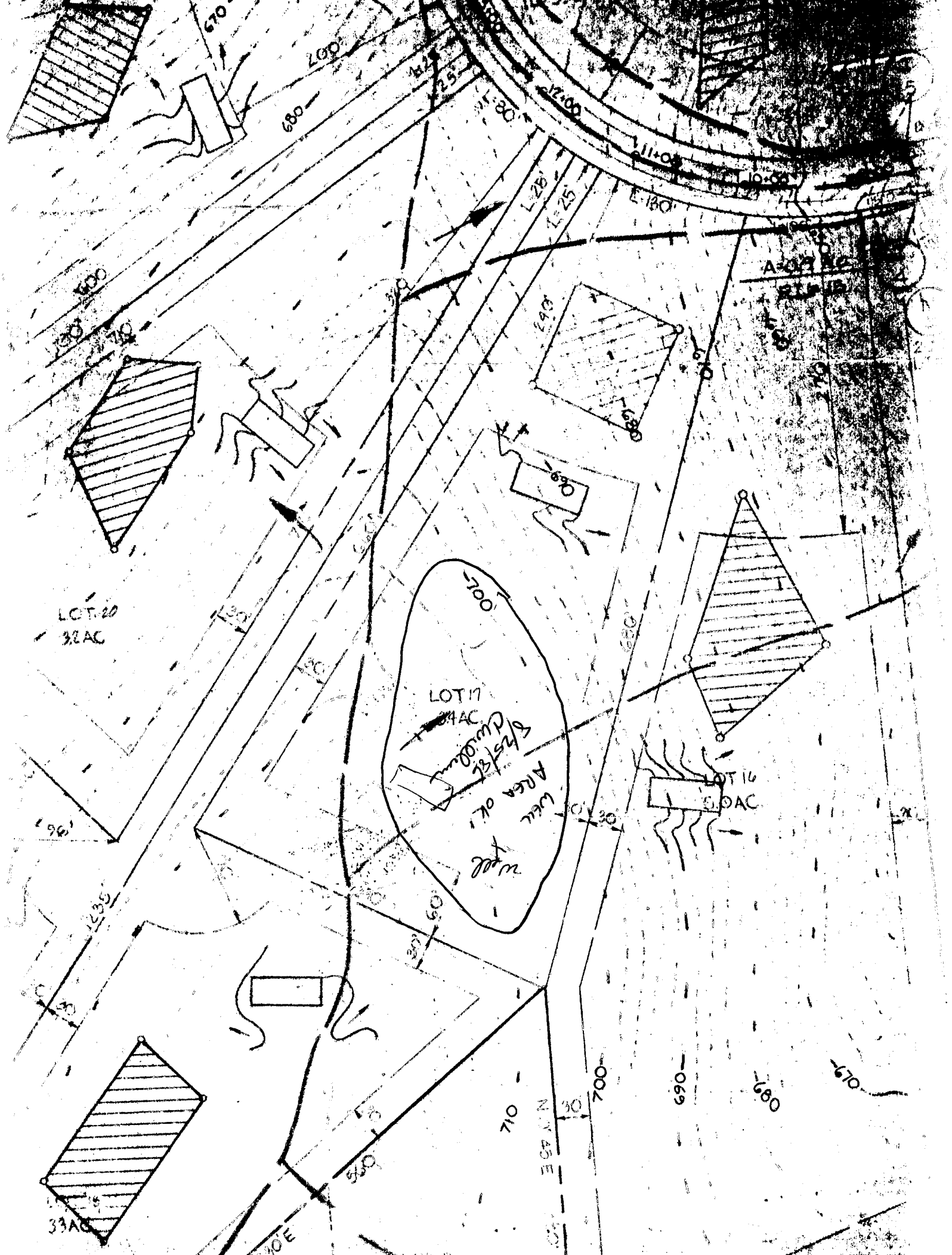
Time pump started 8:45 Pumping rate 12.6 gpm  
 Total time 45 min to reach pumping water level 250 ft ft. below M.P.

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 I gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:30	250 ft	30 sec	250	2 G.P.M.
9:45	250	30	215	2
10:00	250	30	175	2
10:15	250 ft	30 sec	215	2 G.P.M.
10:30	250	30	322.5	2
10:45	250	30	60	2
11:00	250 ft	30 sec	120	2 G.P.M.
11:15	250	30	240	2
11:30	250	30	240	2
12:45	250 ft	30 sec	322	2 G.P.M.
12:00	250	30	562 gal total	2
12:15	250	30		2
12:30	250 ft	30 sec		2 G.P.M.
12:45	250	30		2
1:00	250	30		2
1:15	250 ft	30 sec		2 G.P.M.
1:30	250	30		2
1:45	250	30		2
2:00	250 ft	30 sec		2 G.P.M.
2:15	250	30		2
2:30	250	30		2
2:45	250 ft	30 sec		2 G.P.M.
2:00	250	30		2
3:15	250	30		2
3:30	250 ft	30 sec		2 G.P.M.

2 gpm total open 6 cage

lot 17 Weller Dr



LOT 20  
3.2 AC

LOT 17  
3.4 AC

LOT 19  
3.0 AC

LOT 33  
3.3 AC

WELL  
AREA OIL  
S/25/8/21  
C/25/8/21

N 45 E

A-02  
E-180

670

680

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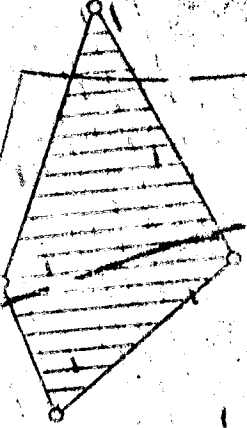
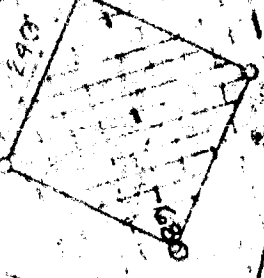
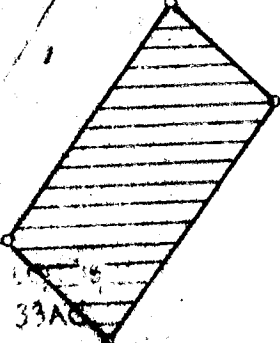
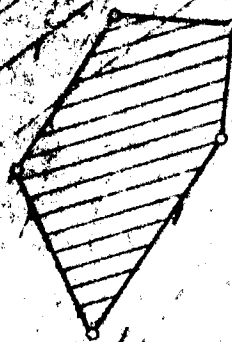
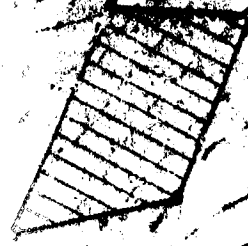
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8/20/87 Now

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 # 39930  
Date 8/18/87  
Name of Installer ROBT. L. FEETEN CO. INC. Telephone 781-4655  
License number 2122  
Certified Well Pump Installer  Well Driller \_\_\_\_\_ Registered Plumber   
Name of Property Owner WILLIAM & MARY COURTES Telephone 363-0880  
Subdivision PATASCO OVERLOOK Lot # 17 Well tag # HO-B1-1647  
Site Address 631 WELLEN DRIVE DISTRICT. 4

Pump  
1. Type  
a. Deep well jet \_\_\_\_\_  
b. Shallow well jet   
c. Submersible   
2. Make POULDS.  
3. Model # SES05417  
4. Capacity 5 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 3450  
3. Voltage \_\_\_\_\_  
a. 110 \_\_\_\_\_  
b. 220

Pitless Adapter  
1. Make WICKILL  
2. Model # MB-10  
3. Depth 47" +

Tank  
1. Capacity WX202 CAPTIVE AIR  
2. Pressure relief valve?   
Piping  
1. Type POLYPROPYLENE  
2. Size 1"  
3. NSF and/or BOCA Code approved YES  
4. Depth of supply line 42"  
Well data  
1. Depth 300 ft.  
2. Yield \_\_\_\_\_ GPM  
3. Static water level \_\_\_\_\_ ft.  
4. Will water supply be disinfected by installer? YES

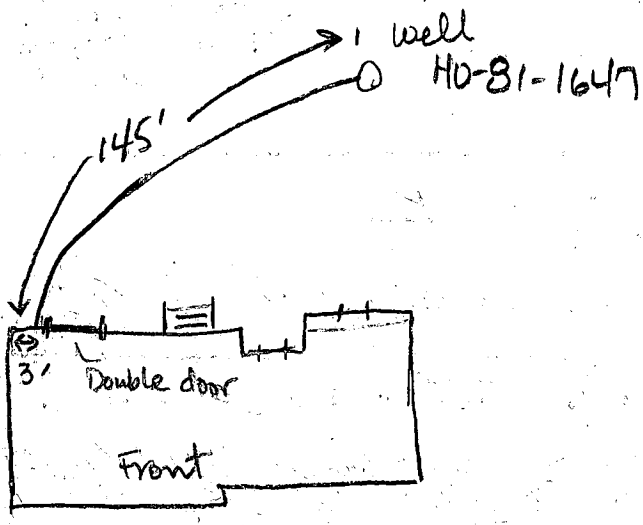
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

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

Signature of Applicant: Robert L. Feeten  
Date: 8/18/87

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

8-20-87  
139



Weller Drive

8-20-87 Pitless adaptor at 48 inches, Plastic casing -  
no ground. House connection ok inside. Trench covered  
to house. JE Madean

RECEIVED  
HOWARD COUNTY  
HEALTH DEPT.  
AUG 11 9 46 AM '87  
DIVISION OF  
ENVIRONMENTAL  
HEALTH

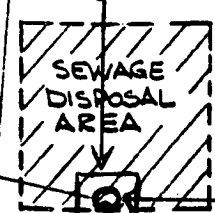
Driveway Entrance

WELLER DRIVE 50' R/W

SCALE 1" = 100'  
ZONING R  
3.472 ACRES

Drywell

131.91  
R=350.00  
187.0'



Drywell Inlet  
Elev. ~~680.0~~  
681.5'

Septic Tank

2-27-87  
Elevations checked w/ changes  
S. Abl

Copy sent to owner for  
signature and return  
Invert. Elev.  
(out of house)  
695.0'

140 EXISTING elevation 685.00

LINE CLEARANCE REQUIRED

B.R.L.

Invert. Elev. (out of Septic Tank) 682.0

Invert. Elev. (into) Septic Tank 685.0

NOTE: LAST 10' FROM HOUSE TO TANK NOT TO EXCEED 1/4" / 1' FALL.

1st. Floor Elev. 700.0

Basement Elev. 693.0'

BLDG. PERMIT SIGNED AND RETURNED 2-27-87  
Sally Abl  
B.P.# 10158

LOT 20

LOT 19

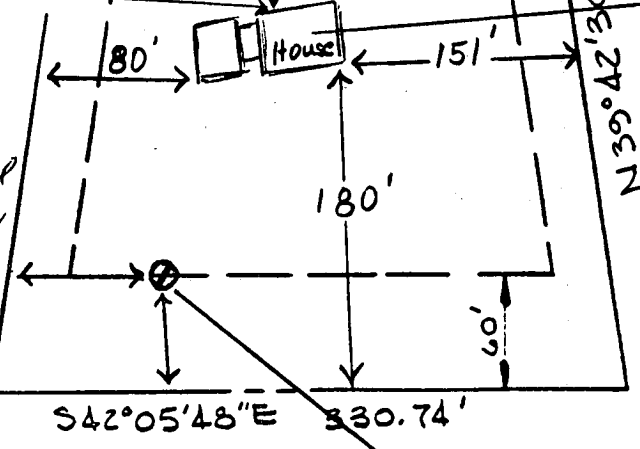
LOT 18

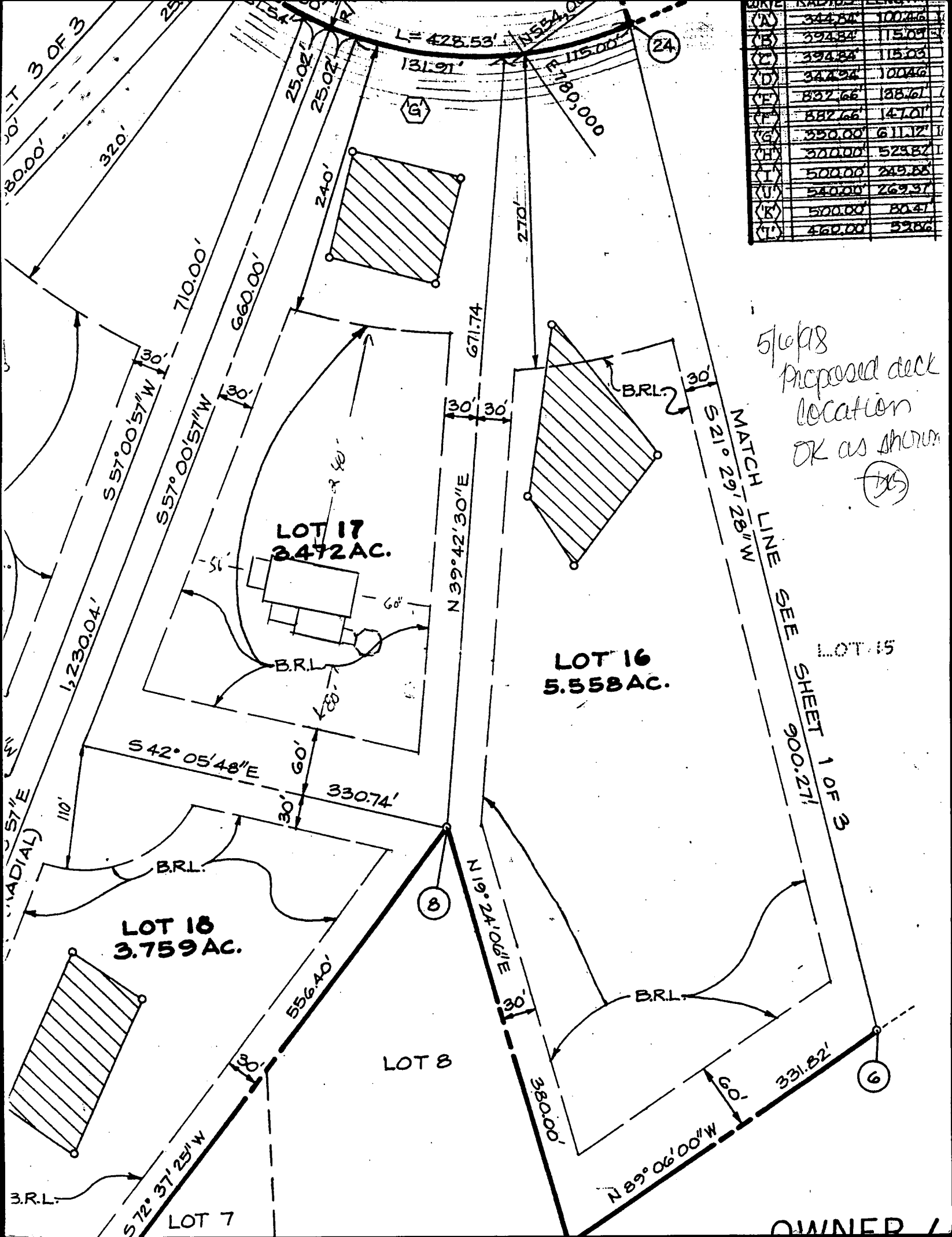
Water Well  
Exist. Elev. 709.0'

(+) elevations

SITE PLAN

PROPERTY OF WILLIAM AND MARY COUTROS  
PATAPSCO OVERLOOK  
SECTION 2 LOT 17  
RECORDED AS PART OF PLAT NO. 6783  
FOURTH ELECTION DISTRICT, HOWARD COUNTY, MD.





POINT	AREA	VOLUME
(A)	344.54'	100446'
(B)	394.34'	115097'
(C)	394.34'	115097'
(D)	344.54'	100446'
(E)	882.66'	28161'
(F)	882.66'	14701'
(G)	350.00'	61132'
(H)	370.00'	52382'
(I)	500.00'	249188'
(J)	540.00'	269197'
(K)	500.00'	8047'
(L)	460.00'	5286'

5/6/98  
 Proposed deck  
 location  
 OK as shown  
 (MS)

MATCH LINE SEE SHEET 1 OF 3  
 LOT 15  
 900.27'

OWNED /