

12/12/00 11am Alarm Test

# PERMIT

P 514260

**SEWAGE DISPOSAL SYSTEM**  
HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
410-313-2640

A 37389

ISSUE DATE 9/18/2000

**INDEXED**

05-43223

APPROVAL DATE 12/12/00

Pine Valley Homes Inc/Duncan's Septic & Backhoe Service IS PERMITTED TO INSTALL X ALTER

ADDRESS 507 White Horse Court, Millersville, MD 21108 PHONE 410-320-7071

SUBDIVISION Dunfarmin Estates LOT NUMBER 21 ADDRESS 5403 Jamesway Court

PROPERTY OWNER Moghadam Abdolah PROPERTY OWNER'S ADDRESS 14912 Alfred Place

SEPTIC TANK CAPACITY 1250 GALLONS Laurel, MD 21707

PUMP CHAMBER CAPACITY 1250 GALLONS **\*\*\* TOP SEAMED SEPTIC TANK REQUIRED \*\*\***

NUMBER OF BEDROOMS 4 **\*\*\* TOP SEAMED PUMP CHAMBER REQUIRED \*\*\***

SQUARE FEET PER BEDROOM 180

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES: Trenches to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. 2 feet of stone below distribution box.

LOCATION: Place the distribution box 10 feet off the 133.20' lot line and 60 feet off the 120 foot lot line as seen from Jamesway Court. Run trenches along contour toward the 120 foot lot line.

- \* SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT.
- \* PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF PUMPED

SEPTIC SYSTEM. 7/18/00 OK Alum

PLANS APPROVED CRAIG WILLIAMS DATE 2/17/2000

PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS ARE NOT ACCEPTABLE

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, DRAINFIELDS) TO BE 100 FEET FROM ANY WATER WELL UNLESS OTHERWISE SPECIFICALLY AUTHORIZED

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

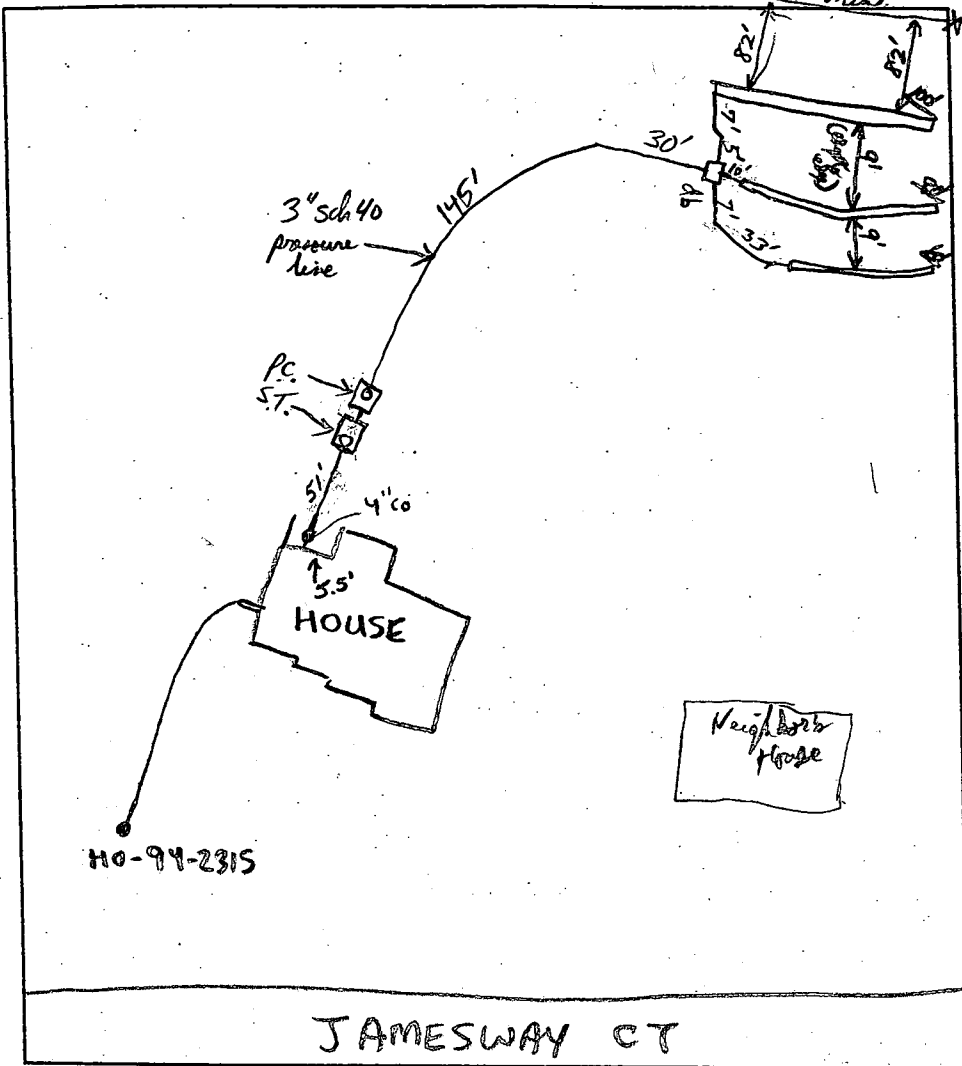
NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

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  
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

37389

5321

NOT TO SCALE



**TRENCH DATA**

TRENCH WIDTH 3'  
 TRENCH INLET DEPTH 4'  
 TRENCH BOTTOM DEPTH 6'  
 DEPTH OF STONE 2'  
 NUMBER OF TRENCHES 3'  
 TOTAL TRENCH LENGTH 240 LF  
 ABSORBENT AREA 720 sqft  
 DISTRIBUTION BOX LEVEL  OK  
 BAFFLE IN DISTRIBUTION BOX

**SEPTIC TANK DATA** bafler OK

SEPTIC TANK 1500 TS GALLONS  
 MANHOLE RISER 32" ✓  
 6 INCH INSPECTION PORT NA

**PUMP CHAMBER DATA** bafler OK

PUMP CHAMBER GALLONS 1500 gal TS  
 MANHOLE RISER 38" ✓  
 ALARM OPERATIONAL  
 PUMP PERFORMANCE TEST

PRE-CONSTRUCTION INSPECTION: 10/10/00 To run a 60', 80', and 100' trench in upper part of easement. 7'-9' spacing to stay with contour or maintain desired trench length. (BB)

INSPECTION COMMENTS: 10/10/00 House connection made. One tank set. Both tanks O.K. (BB)

Trenches OK to cover (used filter cloth cover over gravel - OK) pump unit is OK, pump good flow to dist box (flow is more or less balanced with largest flow to longest trench, the slightly less to other 2 trenches. Manhole riser (connected) set in tank lid recesses then cemented for a seal. OK. OK to cover all work - Needs alarm test yet. P/P 10/11/00 12/12/00 - ALARM OPERATIONAL (SRW)

INSPECTOR Steven R. Krieg

DATE SYSTEM APPROVED 12/12/00

11/10/00

10/3/00  
10-12pm

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: MARYLAND STATE PLUMBING Telephone #: 410-590-5200  
Address: P.O. BOX 1330  
PASSADENA MD 21123

(Must circle one)  Licensed Plumber  Licensed Well Driller  Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:

Name (Print): MIKE MOORE License# 5028

\*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: MOGHADAM ABDOLAH Telephone #: ~~410-313-2640~~ 320-7170 (410)  
Subdivision: DUNFARMIN ESTATES Lot #: 21 Well Tag #: HO-94-2315  
Site Address: 5403 JAMESWAY  
CLARKSVILLE MD 21029

Submersible Pump Data  
Make: Red Jacket  
Model #: 100F211-12G14  
Pump Capacity 10 GPM  
Well Yield: 10 GPM

Pitless Adapter  
Make: BOSHAR  
Model#: PA100  
Depth: 36 (36" min)  
NSF approved: yes

Well Cap and Electric Conduit  
Two piece watertight cap: yes  
Screened, vented well cap: yes  
Cap secured to casing: yes  
Conduit min 18" B.G.: yes  
Conduit secured to well cap: yes

Depth of well encountered at time of pump installation: 155 (feet)  
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 No

Piping to house  
Type: Roll Plastic  
PSI: 160 (160 psi min)  
Depth of supply line: 42 (36" min)

House Connection  
PVC sleeved to undisturbed soil at wall penetration: yes  
Approximate length of sleeve: 3'  
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.

James Ellij Signature of company representative responsible for installation  
date 9/20/2000

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

Date Insp. Requested: 9/29/00 Date Insp. Approved: 9/29/00 **SRK**  
Inspection Data: Pitless adapter and water supply line at least 36" below grade  **BB**  
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

10/3/00 - Reinspection called in for no apparent reason casing height may only be 5" below grade when finished grade completed. Discussed with owner how to resolve by sloping dirt as discussed. No need to extend casing. Reinspection required **SRK**

12/4/00 - all issues resolved **SRK**





# APPLICATION

A 37389

SEWAGE DISPOSAL TESTING

P \_\_\_\_\_

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-5000, EXT. 356

DISTRICT 5

DATE 7-14-86

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 DARREN H. Lilly  
S. Thomas Nichols & James S. Nichols

ADDRESS 13270 Tradelphic Mill Road PHONE 531-2585  
Clarksville

PROPERTY LOCATION:  
SUBDIVISION Dunfarmer LOT NO. 19 (18) (21)

ROAD AND DESCRIPTION Fronting New Street off Ten Oaks  
Road (5405 JAMESWAY COURT)

SIZE OF LOT 3 AC TYPE BLDG. \_\_\_\_\_ NUMBER OF BEDROOMS \_\_\_\_\_

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

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

SIGNATURE OF APPLICANT James S. Nichols

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

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

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

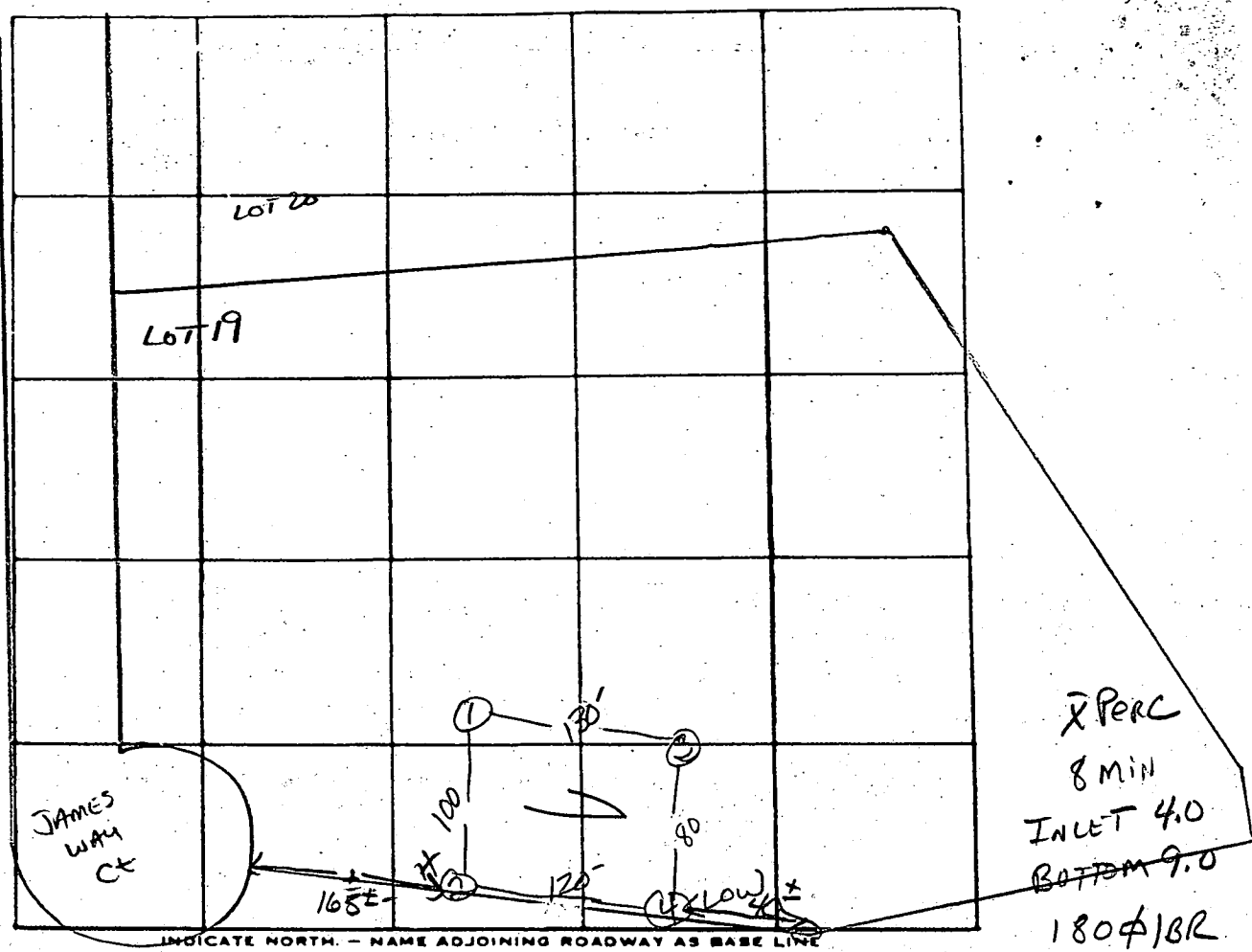
REASONS FOR REJECTION OR HOLDING 8-27-86 PERC SATISFACTORY; HOLD FOR SUBDIVISION PLAT

S. Alue  
ADJ. PERMIT SIGNED  
AND RETURNED 5/7/92  
Smith # 5105402  
S.F.D. - 3Bm

# THIS IS NOT A PERMIT

① ② ④  
 12" AP  
 Yellow BR silt  
 LOAM 9-12%  
 CLAY <10%  
 FRAGMENTS  
 7.5'  
 Red Brown  
 Highly micaceous  
 silt loam  
 10-15% LOT 3  
 FRAGMENTS  
 14"

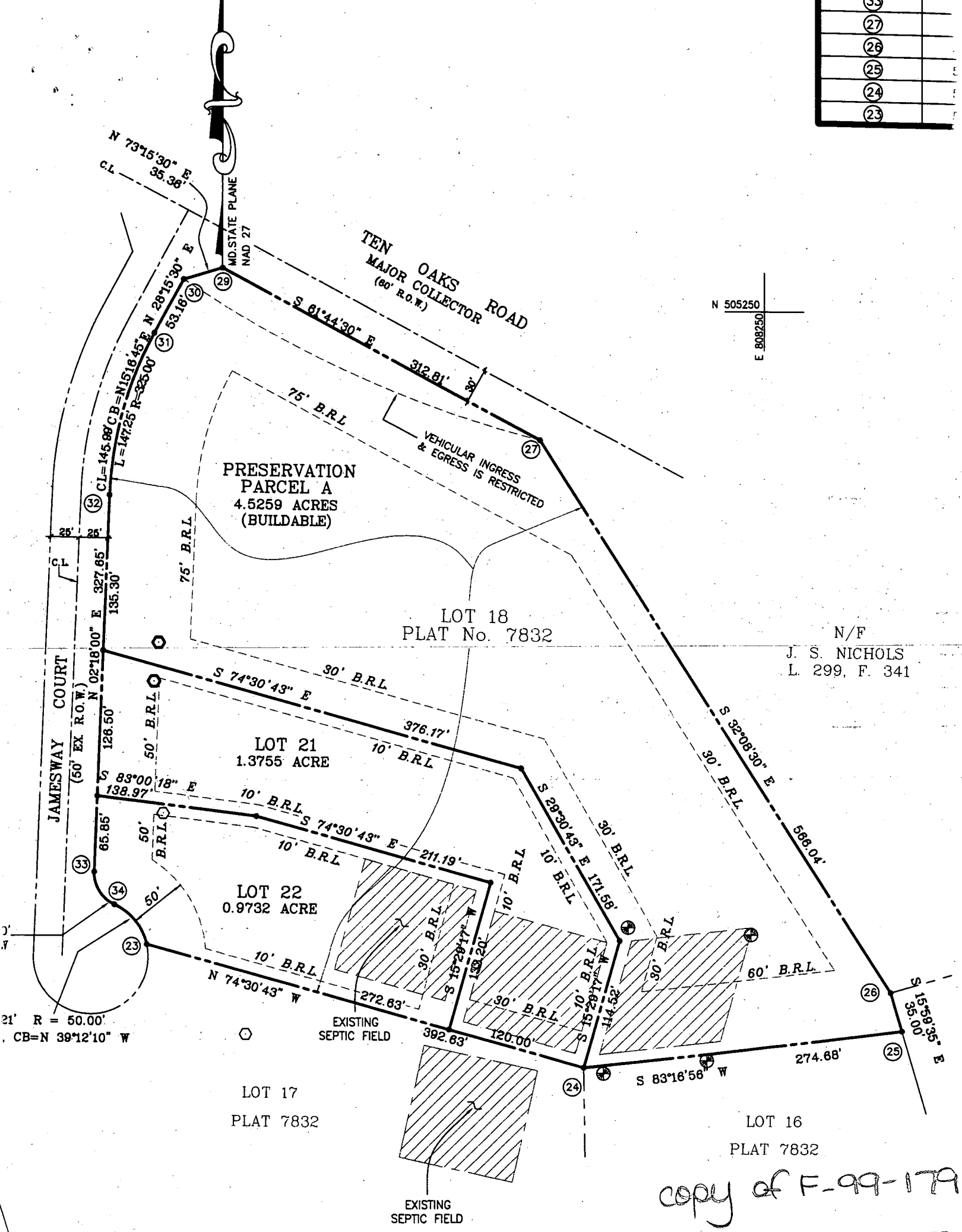
③  
 AP  
 Yellow BR silt  
 LOAM 9-15%  
 CLAY <10%  
 FRAGMENTS  
 Yellow BR  
 silt loam  
 10-15%  
 FRAGMENTS



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/27/86	1 S	4"	10:14	10:16	10:16	10:19	3min
	1 V	13"	uniform soil below		3.5"		
	2 S	4"	10:15	10:17	10:17	10:20	3min
	2 M	8.5'	10:15	10:16	10:16	10:18	2min
	2 V	14"	uniform soil below		3.5"		
	3 S	6"	10:16	10:23	10:23	10:38	15min
	3 V	14"	uniform soil below		6"		
	4 S	4"	10:21	10:25	10:25	10:38	13min
	4 V	13.5'	uniform soil below		3.5"		

REMARKS HOLES slightly DIFF. THAN FLAT HOLE 2+4 ON LINE 18-19  
 TYPE OF SOIL Glenn - Chester  
 TESTED BY S. Abel ALSO PRESENT: J. Fyock & Co.

33	
27	
26	
25	
24	
23	



N/F  
 J. S. NICHOLS  
 L. 299, F. 341

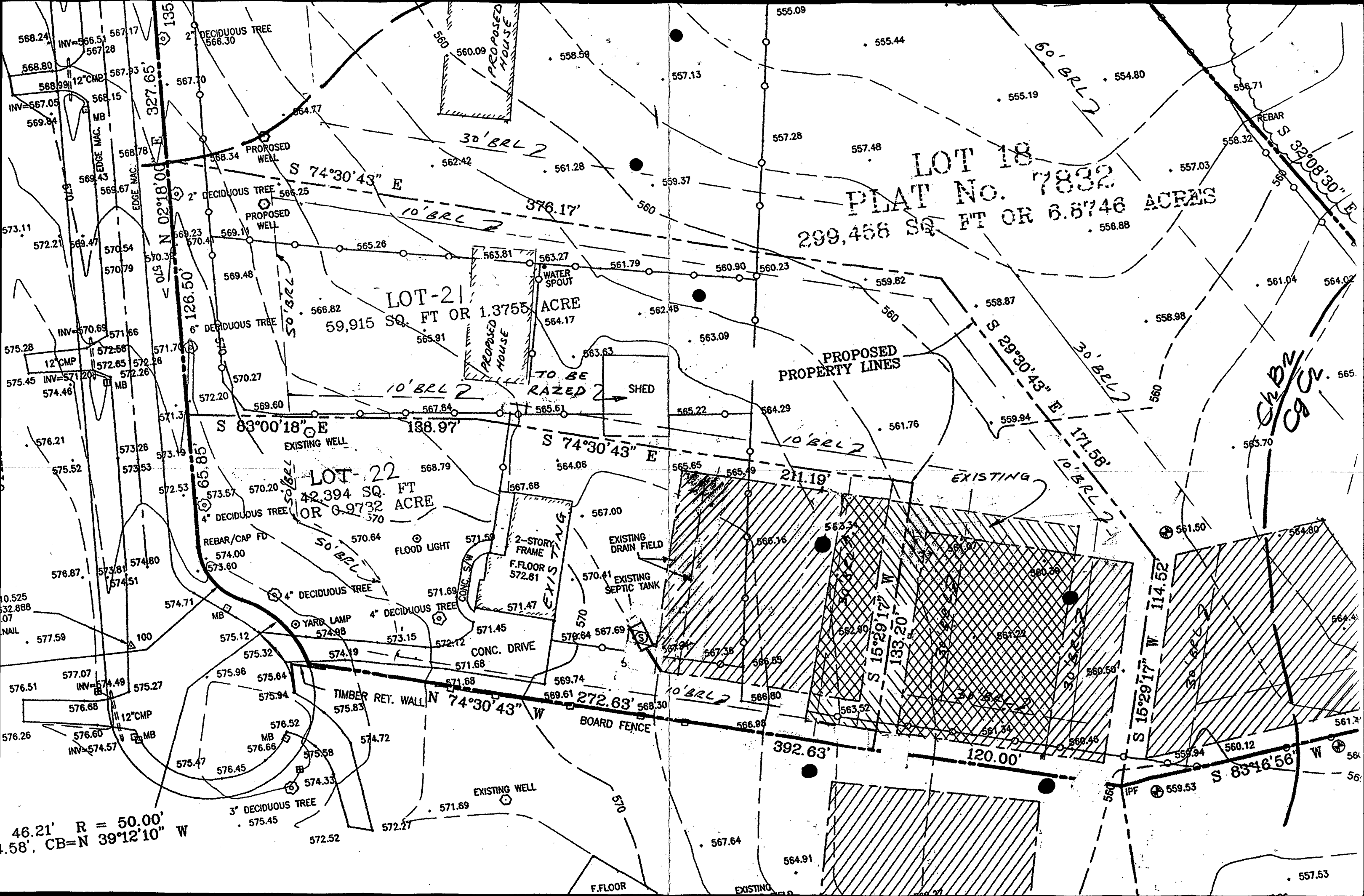
copy of F-99-17A

**LOT 18**  
**PLAT NO. 7832**  
**299,458 SQ. FT OR 6.8746 ACRES**

**LOT-21**  
**59,915 SQ. FT OR 1.3755 ACRE**

**LOT-22**  
**42,394 SQ. FT OR 0.9732 ACRE**

46.21' R = 50.00'  
1.58', CB=N 39°12'10" W



C 1 06624 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 C.O.S. 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A37389

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED MM DD YY 8 7 99

Depth of Well 22 340 26 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" 10-94-2315

OWNER Lilly Construction Inc. STREET OR RFD Jamesway Court TOWN Clarksville SUBDIVISION Dunbar Estates SECTION LOT 21

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 entries for Sand, Gray Mica, and Rock.

GROUTING RECORD (yes) (no) [Y] [N]

WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT [CM] BENTONITE CLAY [BC] NO. OF BAGS 17 NO. OF POUNDS 1598 GALLONS OF WATER 102 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 45 ft.

CASING RECORD casing types insert appropriate code below [ST] [CO] [PL] [OT]

MAIN CASING TYPE [ST] Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 55

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

SCREEN RECORD screen type or open hole [ST] [BR] [HO] [PL] [OT] insert appropriate code below

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED [Y] [N]

- 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 LIC. NO. 1 M SD024 DRILLERS SIGNATURE [Signature] LIC. NO. 1 M D

DEPTH (nearest ft.) 54 340

DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to

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

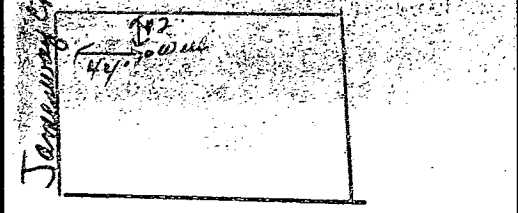
PUMPING TEST

HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 2.5 METHOD USED TO MEASURE PUMPING RATE Buckets WATER LEVEL (distance from land surface) BEFORE PUMPING 22 WHEN PUMPING 298 TYPE OF PUMP USED (for test) [S] submersible

PUMP INSTALLED DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) 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 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) [+ ] above LAND SURFACE [- ] below (nearest foot) 50 51

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)



SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if, different from permittee) TELESCOPE CASING LOG INDICATOR OTHER DATA

B 1 7431

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

10-94-2315

fill in this form completely

Date Received (APA) 07/01/99

OWNER INFORMATION

Libley Construction Inc. 5405 Jamesway Ct. Clarksville Md. 21029

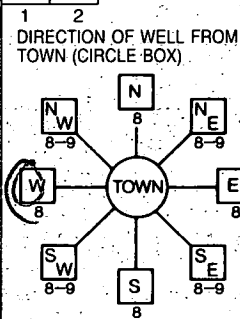
B 3 LOCATION OF WELL

Howard County Dunfarmin Est. Clarksville

DRILLER INFORMATION

Joseph E. Mayne MS D 24 Joseph E. Mayne Well Drilling 5512 Ridge Rd. Mt. Airy Md. 21771

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Jamesway Ct. NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 110 FT

B 2 WELL INFORMATION

APPROX. PUMPING RATE 5 APPROX. PUMPING RATE (GAL. PER MIN.) AVERAGE DAILY QUANTITY NEEDED 500 (GAL. PER DAY)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME DATE ISSUED 07/01/99 CO. SIGNATURE EXP. DATE 07/08/00 NORTH GRID 504 000 EAST GRID 0808 000

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, DEWATERING PUBLIC WATER SUPPLY WELL TEST, OBSERVATION, MONITORING GEO-THERMAL

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 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)

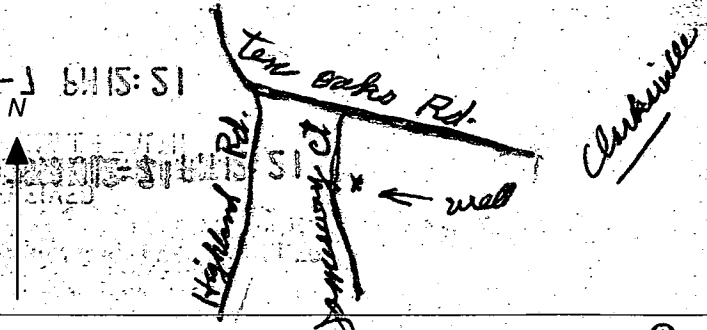
THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. WELC 2. 3.

8/4/99 location OK Grout 9:30am 55' casing 47' open 17 Bags -SRK-

WRITE THE BOX NUMBER FROM THE MAP HERE E 8004 N 5004

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION.



Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER 54 63 PERMIT No. 10-94-2315

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



FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2315  
 Location of property (road) JAMESWAY COURT  
 Subdivision DUNFARMIN EST Lot 21 Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. \_\_\_\_\_  
 Well Driller J. Mayne Owner Ullery Construction Inc

Depth of well 340'  
 Distance of measuring point (M.P.) above ground 1'  
 Static water level (S.W.L.) below M.P. 22'

I. High rate pumping -- reservoir drawdown

Time pump started 6:30 Pumping rate 20 gpm  
 Total time 30 min to reach pumping water level 298 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 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
6:45	145'	30 sec.	N/A	20 gpm
7:00	298	3		20.0
7:15	296	24		2.5
7:30	296	24		2.5
7:45	295	24		2.5
8:00	296	24		2.5
8:15	295	24		2.5
8:30	295	24		2.5
8:45	295	24		2.5
9:00	295	24		2.5
9:15	295	24		2.5
9:30	295	24		2.5
9:45	295	24		2.5
10:00	295	24		2.5
10:15	295	24		2.5
10:30	295	24		2.5
10:45	296	24		2.5
11:00	296	24		2.5
11:15	296	24		2.5
11:30	296	24		2.5
11:45	296	24		2.5
12:00	296	24		2.5
12:15	296	24		2.5
12:30	296	24		2.5
HD-224 12:45	296	24		2.5
1:00	296	24		2.5