

4/26/89 4500 AM
4-27-89 PM anytime

4-27-89 Needs pump & alarms installed JEN
Tax ID - 04 - 348052

PERMIT

P 44030

SEWAGE DISPOSAL SYSTEM

A 39341

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 4th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE 4/21/89

DATE SYSTEM APPROVED 6-2-89

INSPECTOR S. Abel

INDEXED

Bud Arnold

IS PERMITTED TO INSTALL _____ ALTER _____

ADDRESS _____ PHONE _____

SUBDIVISION Oak Forest Estates ROAD 425 Twin Arch Road LOT 2

PROPERTY OWNER Anthony Cottone

ADDRESS _____

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

GARBAGE GRINDER? YES _____ NO X
1000 Gal Pump Chamber w/manhole to grade

219
31040
280 ft trench

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4
2 PUMPS ALTERNATING WITH CONTROLS + ALARMS

TRENCHES - 210 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 365 feet up the right (385.06') lot line and 175 feet off the same lot line as seen when facing the lot from Twin Arch Road. Run trenches on contour toward the right lot line.

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

(MAY SET DIST BOX AT END OF TRENCHES CLOSEST TO HOUSE.)

PLANS APPROVED BY Sid Abel DATE 10/17/88

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

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

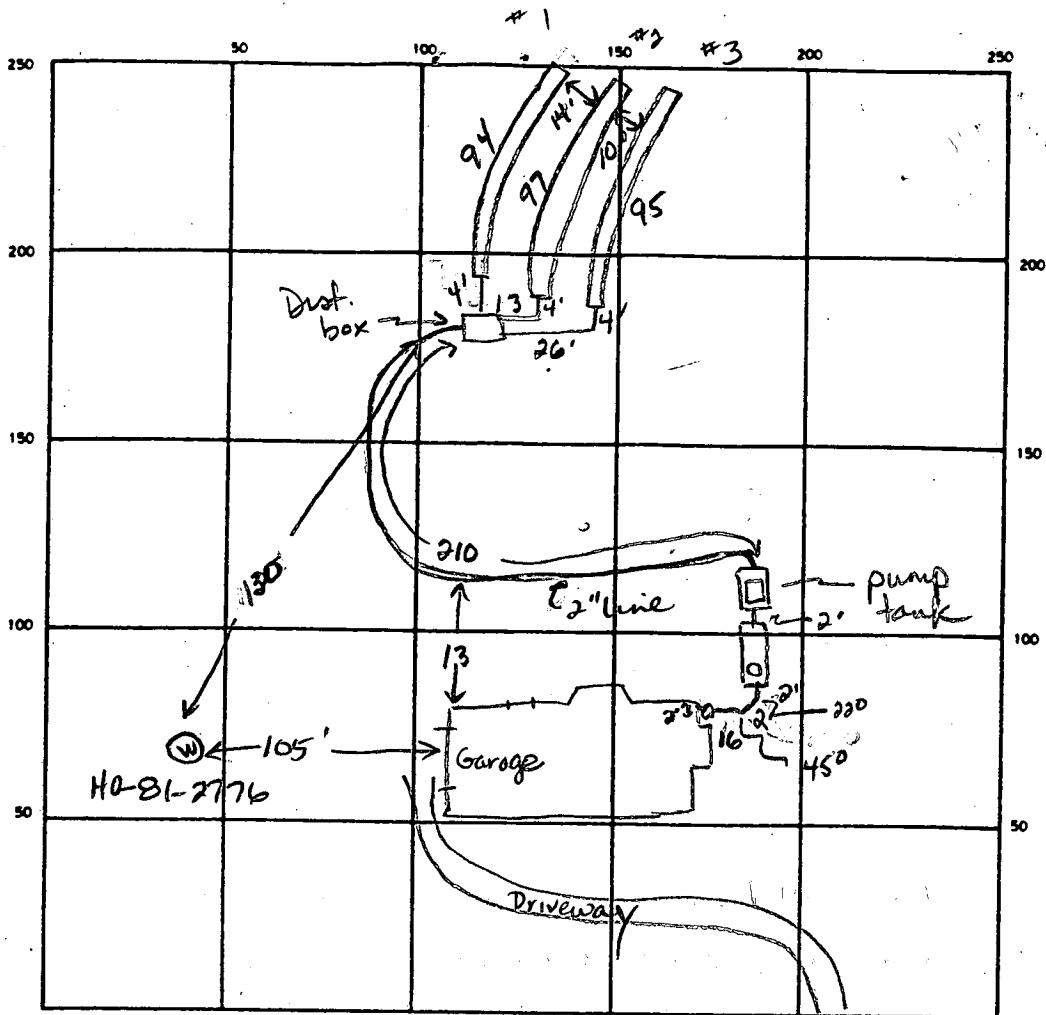
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

DOG. PERMIT SIGNED
AND RETURNED 4/21/89
Sid Abel

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

39341



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Twin Arches Road

SEPTIC TANK. LEVEL 1000 gal pump tank
1250 gal st. CLEANOUTS lat house, lon s. tank, Manhole on pump tank

DISTRIBUTION BOX. LEVEL ok (w/ baffle) Pump line at 4.0ft below grade

DRAIN FIELD/TILE FIELD. DEPTH 5 5 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3.0 3.0 3.0 FT.

EFFECTIVE GRAVEL DEPTH 2 2 2 FT. TOTAL LENGTH 94 97 95 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL BOTTOM AREA 282/291/285 SQ. FT.

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

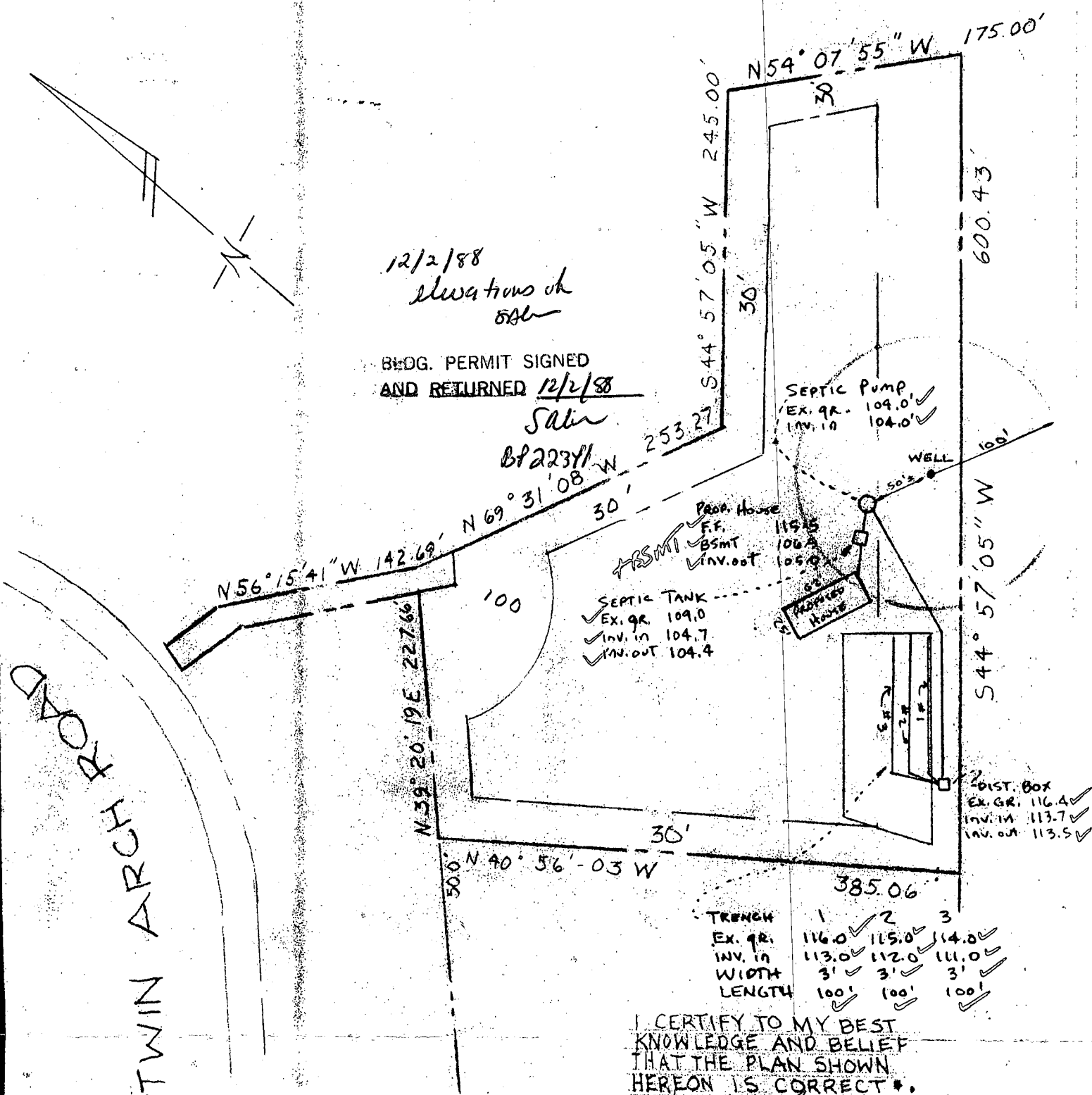
ABSORBENT AREA 858 SQ. FT.

REMARKS 4-26-89 OK to cover trenches & pump line from house to dust. box. Grout around dust. box & septic tank. Change 90° bend before septic tank in sewer line to min. of 45° bend. Pump and alarms not installed. JEN 4-27-89 45° bend replaced previous 90° bend. OK to cover all lines beyond pump tank. JEN

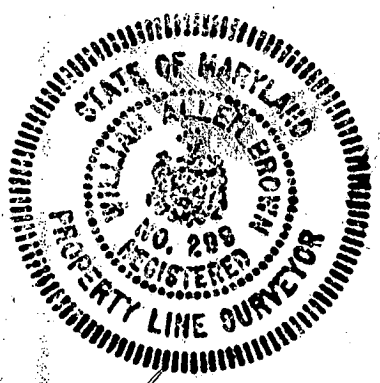
DATE SYSTEM APPROVED 6-2-89 INSPECTOR Sidler

SITE PLAN
 LOT 2, OAK FOREST ESTATES
 LISBON (4TH) ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE: 1" = 100' OCTOBER, 1988



I CERTIFY TO MY BEST
 KNOWLEDGE AND BELIEF
 THAT THE PLAN SHOWN
 HEREON IS CORRECT.
 W. Allen Brown 12/1/88
 W. ALLEN BROWN MDA 209



NOTE:
 THE BOUNDARY INFORMATION
 SHOWN HEREON IS BASED UPON
 DEED(S) AND/OR PLATS OF RECORD
 AND DOES NOT REFLECT A
 BOUNDARY SURVEY.

FLOW 150 GPD PER BR ✓
 DAILY FLOW 600 GPD OR 80.21 CU. FT. ✓
 WELL 4 FT DIA, 6.38 FT CAPACITY ✓
 PUMPING RATE 4 RUNS a day, 1.6 FT. PER RUN ✓
 20.05 CU. FT. OR 150 gal. per Run ✓
 4 BR ✓

Al Brown Surveys Inc.
 7500 BIRK HOLLOW ROAD
 HIGHLAND, MARYLAND 20777
 RES. 301-854-0013

Maryland Electric, Inc.

2201 Spencerville Road
Spencerville, Maryland 20868
Telephone: (301) 384-0900

June 2, 1989

Environmental Health Department
Howard County
Maryland

Attn: Mr. Sid Able

Re: 425 Twin Arch Road
Mt. Airy, MD

The two pumps that are required by Howard County at the above address were installed.

The pumps are operating through a relay alarm system and are fully functional and operating as required by Howard County.

Sincerely,

MARYLAND ELECTRIC, INC.

Joseph Ingegneri
Joseph Ingegneri
President

*dh/saw
4/2/89*

APPLICATION

PERCOLATION TESTING

A 39341

P _____

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

DISTRICT _____

DATE 5/8/87

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 ~~Annette Symonds~~ ANTHONY COTTONE 490-9526

ADDRESS 10414 Hawthorn Pl. SS MD PHONE 933-8110

PROSPECTIVE BUYER Ray Naimie

ADDRESS 20813 Brooke Knolls Foothersbury PHONE 258-8459

PROPERTY LOCATION:

SUBDIVISION Naimie Acres LOT NO. 2

ROAD AND DESCRIPTION Twin Arch Rd. 425 TWIN ARCH Rd.

L570 F. 154

TAX MAP _____ PARCEL # 16

SIZE OF LOT Approx. 4.5 Ac. TYPE BLDG S.F.
(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.

Ray Naimie
(SIGNATURE OF APPLICANT)

BLDG. PERMIT SIGNED AND RETURNED 12/2/88

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS PLAT & WELL REQ'D CW DATE 7/14/87

REASONS FOR REJECTION OR HOLDING 5-26-87 Re: Satisfactory - Hold for PLAT AND Field verification

S.A.M. WELL TO BE DILLED PRIOR TO LOT APPROVAL DUE TO DIFFICULTY

IN OBTAINING WATER ON ADJACENT PROPERTIES 7/14/87 CW

HD-216

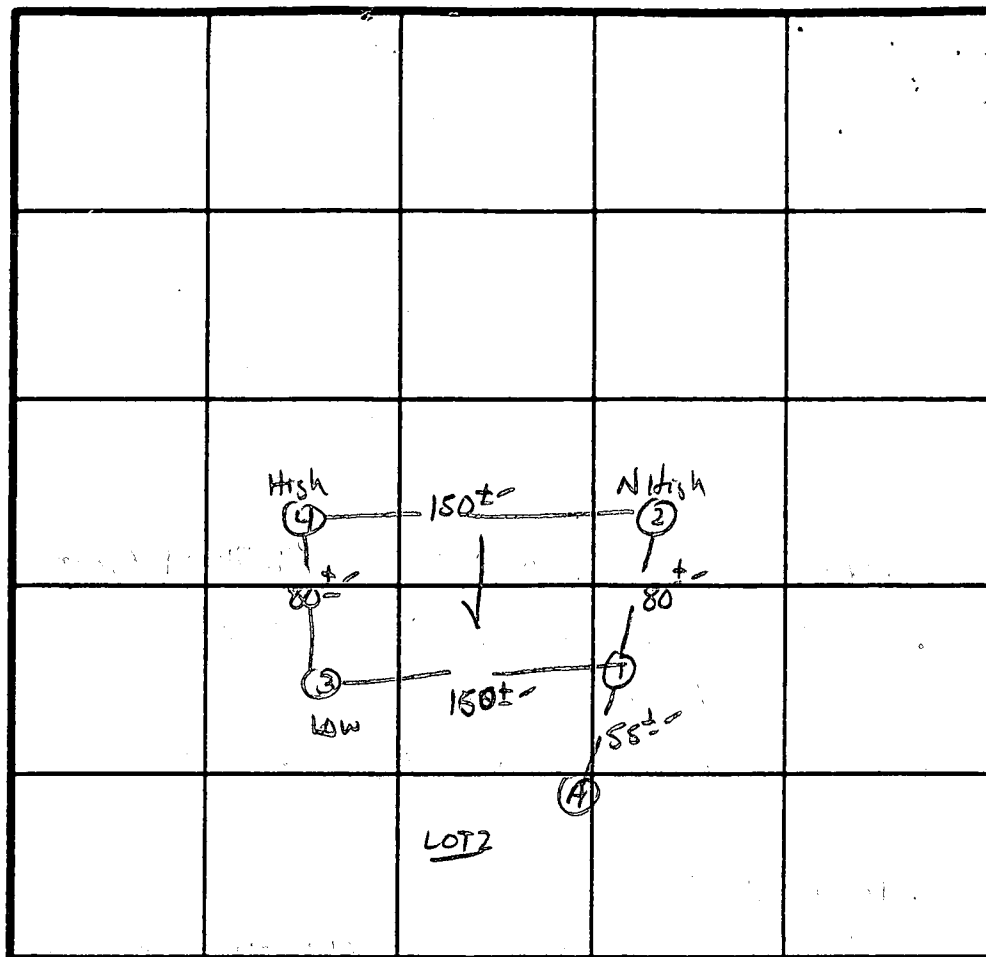
THIS IS NOT A PERMIT

① → ④
SOIL PROFILE

0
4"
3'
12'

A1-3
Yellow BR
Silty CLAY
LOAM 15-20%
FRAGS

Yellow CL.
Silt LOAM
35-45%
FRAGS
Staley
HOLE 2-4
MASSIVE FRAGS
AT 8.5-9'



2 Perc 9 MIN
200 #/BR
INLET 3'
BOTTOM 5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

TWIN ARCH rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/26/87	1S	3.5	2:27	2:36	2:36	2:56	20 MIN
	1M	6.0	2:27	2:29	2:29	2:34	5 MIN
	1V	12'	UNIFORM SOIL below		3' (NO STRUCTURE) (MASSIVE)		
	2S	3.5	2:35	2:38	2:38	2:47	9 MIN
		5.5	2:35	2:37	2:37	2:43	6 MIN
	2V	9.5	MASSIVE SHALE SAPROLITE AT		8.5-9'		
	3S	3.5	2:37	2:43	2:43	2:57	14 MIN
		6	2:50	2:52	2:52	2:57	5 MIN
	3V	11'	MASSIVE SAPROLITE AT		8.5-9'		
	4S	3'	2:53	2:55	2:55	3:00	5 MIN
		8	2:45	2:47	2:47	2:53	6 MIN
	4V	12'	MASSIVE SAPROLITE AT		11'		
	A		STRUCTURED SAPROLITE AT		4.5' HARD BOTTOM 7.5'		

REMARKS NO LOT LINES OR CONTROL POINTS AVAILABLE - NEED Field verification

TYPE OF SOIL Mt. Arney

TESTED BY S. Abel

ALSO PRESENT Arnold Spence

C1 9560 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 A-39341

DATE Received DATE WELL COMPLETED

Depth of Well 325 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" A4-81-2776

OWNER COTTON PROPERTIES STREET OR RFD DUNMARCH Rd. TOWN PARRISVILLE SUBDIVISION OAK FOREST EST SECTION LOT 2

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, Brown Slate, Blue Slate.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT C.M. BENTONITE CLAY BC NO. OF BAGS 5 NO. OF POUNDS 500

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

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

SCREEN RECORD screen type or open hole insert appropriate code below

DEPTH (nearest ft.) HOLE 20 325

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION"

DRILLERS IDENT. NO. 973 DRILLERS SIGNATURE Ruth Mayne SITE SUPERVISOR responsible for sitework if different from permittee

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

PUMPING TEST HOURS PUMPED (nearest hour) 4 PUMPING RATE (gal. per min. to nearest gal.) 2 METHOD USED TO MEASURE PUMPING RATE bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 4.2 WHEN PUMPING 2.36 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

