

5/3/91
4 PM

04-346246

File

PERMIT

SEWAGE DISPOSAL SYSTEM

P 47008

A 38672

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEX - TIME EXPIRED FOR F.C.O.P.

DISTRICT 4th

DATE 4/23/91

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

COMPLIANCE

DATE SYSTEM APPROVED 5/3/91

INDEXED

7/15/93

INSPECTOR C.S.D.

C. Williams

Dave Hopkins IS PERMITTED TO INSTALL ALTER

ADDRESS 17550 Old Frederick Road, Mt. Airy, Maryland 21771 PHONE 831-7257

SUBDIVISION Laurand LOT 8 ROAD 17580 Hardy Road

PROPERTY OWNER Ken and Paula Campanile

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - 180 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Starting from right front lot corner, start first trench 210 feet down right lot line and 70 feet off this same lot line. Run trenches on contour in both direction.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 9/27/90 R/H

PLANS APPROVED BY Mark Rifkin Revised 4 DATE 9/04/90

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, 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

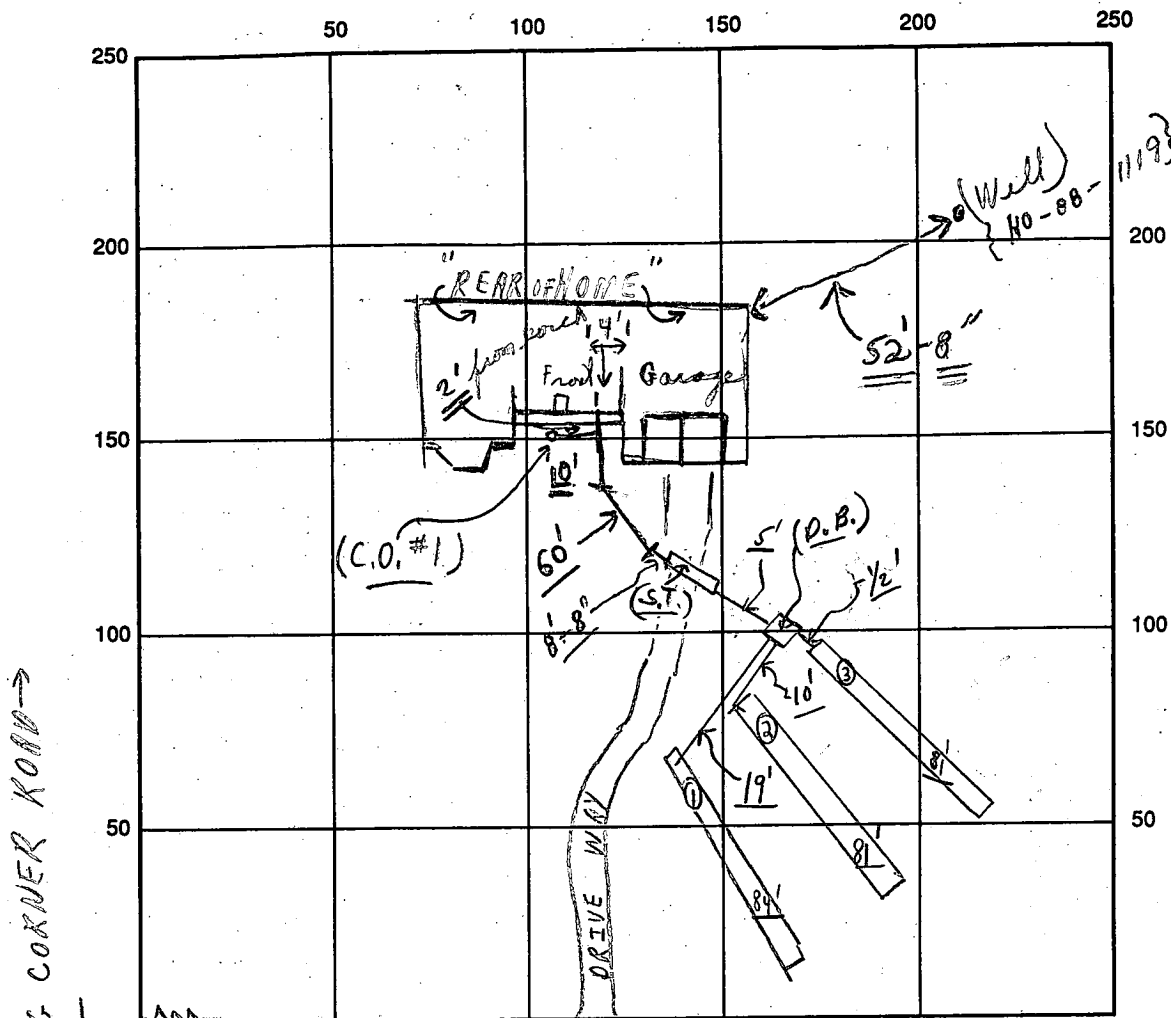
PERMIT VOID AFTER TWO YEARS

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**

A 38672



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK HARDY ROAD S.T. (Manhole) / C.O. #1
CLEANOUTS OK 4' from garage

DISTRIBUTION BOX LEVEL OK (Baffle is in)

DRAIN FIELD/TITLE DEPTH 6 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2⁺ FT. TOTAL LENGTH 84' } FT. 246
81' }
81' }

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 738 SQ. FT.

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

ABSORBENT AREA 738⁺ SQ. FT.

REMARKS: 5/3/91 Late P.M. - all trenches open to covers - final
all work, c.s.v.

LATE 5/3/91 W.P.I. - Final - OK-C.B.L. (Paperwork to be sent in per
installer)
DATE SYSTEM APPROVED 5/3/91 INSPECTOR Charles Bryan Stecker

APPLICATION

A 38672
P _____

SEWAGE DISPOSAL TESTING

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: 992-2330

DISTRICT 4TH
DATE 2/9/87

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 WAYNE C. HOUGH Ken and Paula Campanile
ADDRESS 17740 HARDY RD. PHONE W-235-1536
MT. AFRY, MD. 21771 H-795-6987
424-8050

PROPERTY LOCATION:
SUBDIVISION Hough Property LOT NO. 0

ROAD AND DESCRIPTION North side of Hardy Road, 1420' ± east of Log
Copper Road. 17580 Hardy Road

SIZE OF LOT 3 Acre minimum TYPE BLDG. 3
(NUMBER OF BEDROOMS)

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.

Way C Hough
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 5-13-87 true SATISFACTORY HOLD FOR PLAT. SIGNED

BUDG. PERMIT SIGNED
AND RETURNED 2/15/87
Serial # 34462 - SFD

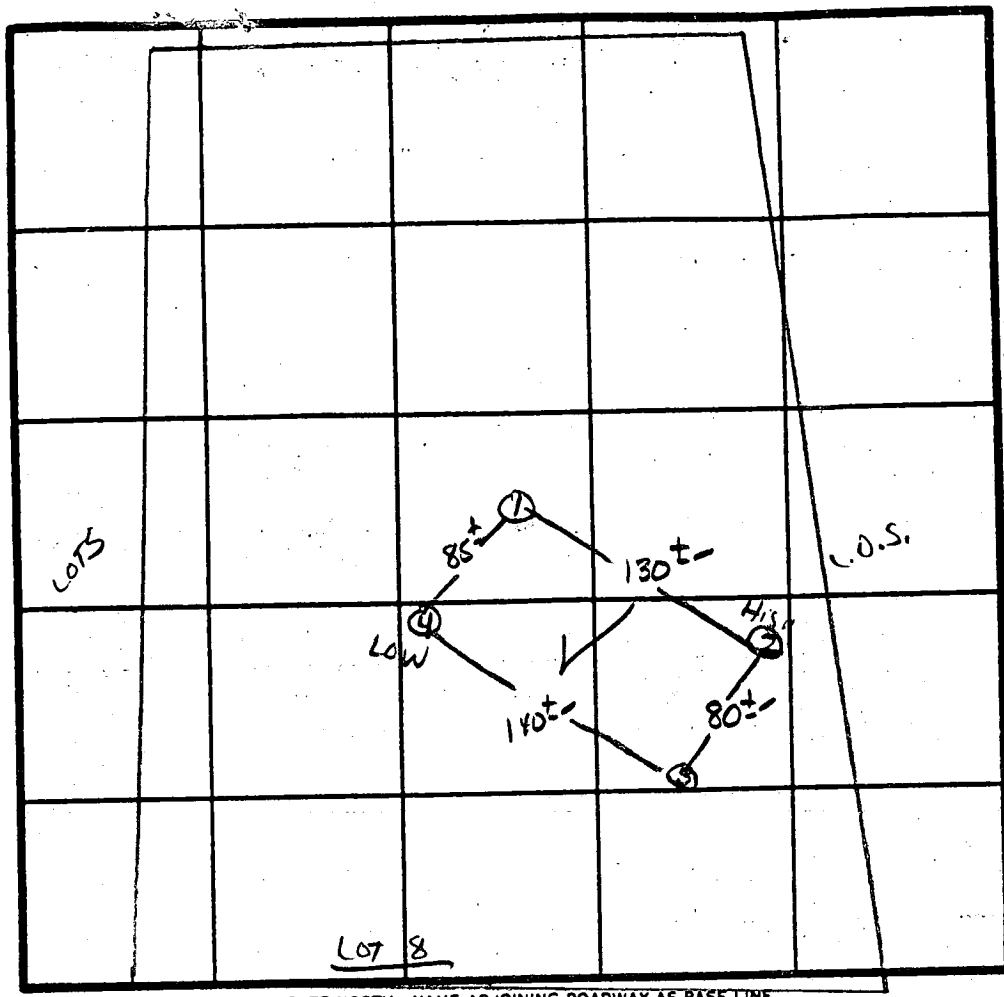
THIS IS NOT A PERMIT

① → ④
SOIL PROFILE

0
10'
4
12-13

AP
RED BR.
CLAY LOAM
15+%- FRAS
15-20%

RED BR. to
YELLOW RED
SILT LOAM
SHALEY
20-30%
FRAS



X Perc 7 MIN
180' BR
INLET 4'
BOTTOM 8'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

HARDY Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/13/87	1S	4.5"	12:50	12:52	12:52	12:58	6 MIN
	1V	13	UNIFORM SOI	below	4"		
	2S	4"	12:54	12:56	12:56	1:00	4 MIN
	2M	8"	12:57	12:59	12:59	1:02	3 MIN
	2V	12.5"	UNIFORM SOI	below	4"		
	3S	4.5"	11:08	11:15	11:15	11:28	13 MIN
	3V	12"	UNIFORM SOI	below	4.5"		
	4S	4"	11:18	11:24	11:24	11:35	9 MIN
	4M	8"	11:17	11:19	11:19	11:23	4 MIN
	4V	12.5"	UNIFORM SOI	below	4"		

REMARKS Holes slightly different PH2/

TYPE OF SOIL Mt. Airy

TESTED BY S. Allen ALSO PRESENT Rocky, Allen Brackner

B 1 **2082** SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

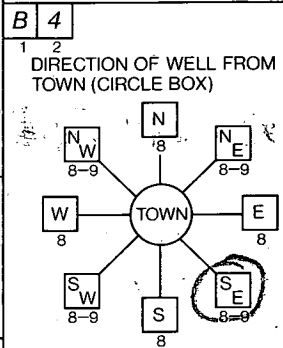
STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HD-88-1119
 fill in this form completely

Date Received (APA) **120189**
 OWNER INFORMATION
CAMPANILE CONST. CO.
3375 FLORENCE RD
WOODBINE MD 21297

B 3 LOCATION OF WELL
HOWARD COUNTY
LAURAND SUBDIVISION
MOUNT AIRY NEAREST TOWN
 MILES FROM TOWN **2** MI

DRILLER INFORMATION
D.A. DiCicco License No. **429**
TRI STATE EXPLOSIVES, INC.
P.O. Box 34300
Bethesda, MD 20817
 Signature **D.A. DiCicco** Date **11-21-89**



HARDY RD NEAR WHAT ROAD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 DISTANCE FROM ROAD **400** FT

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **600**

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 APPROPRIATION PERMIT 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
A38672 COUNTY NO.
 STATE SIGNATURE **Mark E. Palko** DATE ISSUED **6/8/90**
 NORTH GRID **550000** EAST GRID **0764000**

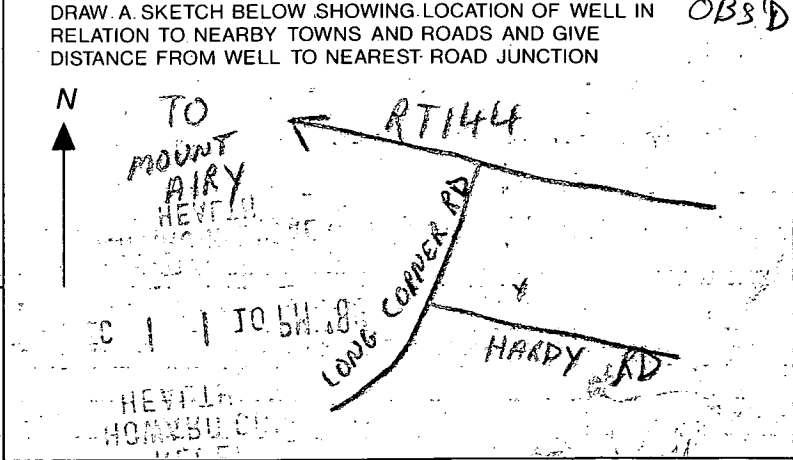
APPROXIMATE DEPTH OF WELL **200** FEET

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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. CITY WATER
 2. WELL WATER
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E **7604**
 N **550**

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 **MR** WRITE INITIALS IN BOX PERMIT No. **HD-88-1119**

SPECIAL CONDITIONS

C1 1256

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER A38672

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

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 052190

Depth of Well 500 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-88-1117

OWNER last name HARRY first name first name TOWN MOUNT AIRY SUBDIVISION LAURAND SECTION LOT 8

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 DIRT, BROWN SHALE, BROWN SAIST, GREY SAIST, GREY SAIST AND QUARTZ, MIXED.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 19 NO. OF POUNDS 1796

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

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 45

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

Table with columns: E A C H S C R E E N DEPTH (nearest ft.) 1 H O 63 500 2 3

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 IDENT. NO. MWD 429

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

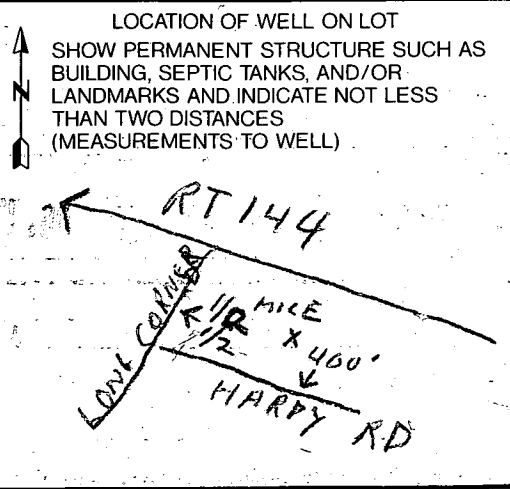
SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

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.) W.Q. TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST C 3 HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min. to nearest gal.) 2 METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING. WHEN PUMPING 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: 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)



COUNTY

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-1119
 Location of property (road) Hardy Rd
 Subdivision LAURAND Lot 8 Block Plat Sec.
 Well Driller FRI-STATE Owner Campanite Construction

Depth of well 500'
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 43'

I. High rate pumping -- reservoir drawdown

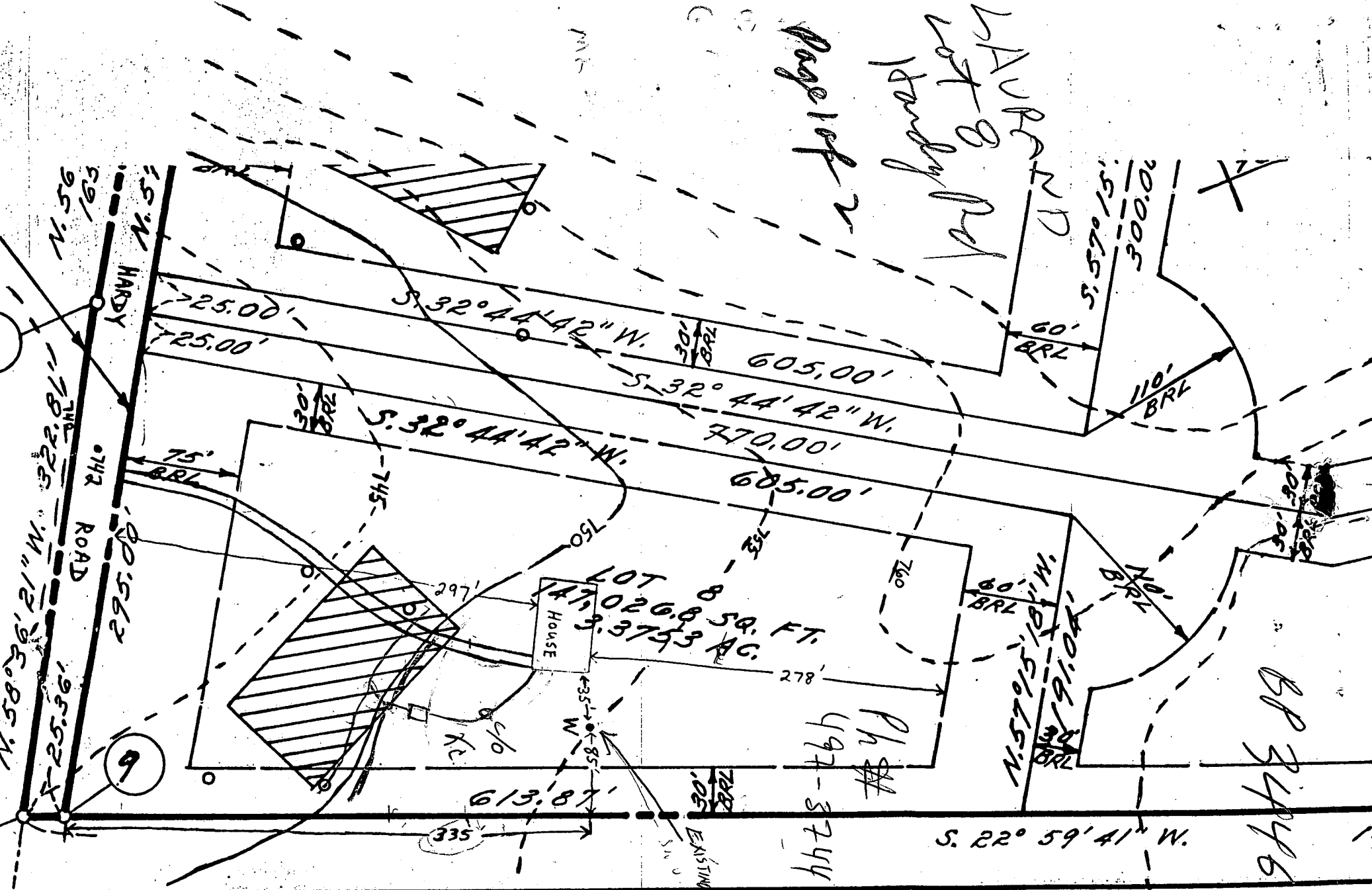
Time pump started 9⁰⁰ AM Pumping rate 15 GPM
 Total time 1 1/2 HRS to reach pumping water level 308 ft. below M.P.

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)
10 ³⁰ AM	308'	2 min		2 1/2 GPM
10 ⁴⁵	308	2		2 1/2
10 ⁰⁰	308	2		2 1/2
11 ¹⁵	308	2		2 1/2
11 ³⁰	308	2		2 1/2
11 ⁴⁵	308	2		2 1/2
12 ⁰⁰	308	2		2 1/2
12 ¹⁵	308	2		2 1/2
12 ³⁰	308	2		2 1/2
12 ⁴⁵	308	2		2 1/2
1 ⁰⁰	308	2		2 1/2
1 ¹⁵	308	2		2 1/2
1 ³⁰	308	2		2 1/2
1 ⁴⁵	308	2		2 1/2
2 ⁰⁰	308	2		2 1/2
2 ¹⁵	308	2		2 1/2
2 ³⁰	308	2		2 1/2
2 ⁴⁵	308	2		2 1/2
3 ⁰⁰	308	2		2 1/2
3 ¹⁵	308	2		2 1/2
3 ³⁰	308	2		2 1/2
3 ⁴⁵	308	2		2 1/2
4 ⁰⁰	308	2		2 1/2
4 ¹⁵	308	2		2 1/2
4 ³⁰	308	2		2 1/2

Page 1 of 2

LAUREND
Lot 8 Hardy Rd



BP 34462

D: FOR PRIVATE WATER AND PRIVATE SE SYSTEMS. COUNTY HEALTH DEPARTMENT

SEPTIC TRENCH LENGTH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE. X.C.

OWNER'S STATEMENT

1:80 SCALE
Wm Boyden 1-13-88

We, WAYNE C. HOUGH, owner and described hereon, hereby adopt this plan of subdivision, and in approval of this final plat by the Office of Planning and Zoning, e