

12/12/84 App'd J.S.

12/11/84
9:30 AM - 10:00 AM
12/12/84
9-9:30 AM

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

P 941651

A 31736

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

INDEXED 05-393043

ELLICOTT CITY
DISTRICT 5th

DATE 12/10/84

John Sakai & Associates IS PERMITTED TO INSTALL ALTER

ADDRESS 4513 West Virginia Avenue, Bethesda, MD 20814 PHONE 986-8861

SUBDIVISION Dunfretten Estates ROAD 13617 Meadow Glen Road LOT 23

PROPERTY OWNER Sam Brown

ADDRESS _____

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

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 158 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 10 feet below original grade. Effective area begins at 3 feet below original grade. 7 feet of stone below distribution pipe. LOCATION: Start the trench at perc hole #4 which is located 275 feet from the front lot line and 180 feet from the left side of the lot as seen when facing the lot from Meadow Glen. Run the trench towards the left side of the lot as seen when facing the lot from Meadow Glen. NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Trenches to be installed on level ground. Call for inspection of trench before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY Raymond Hodges DATE 6/26/83

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 THREE 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.

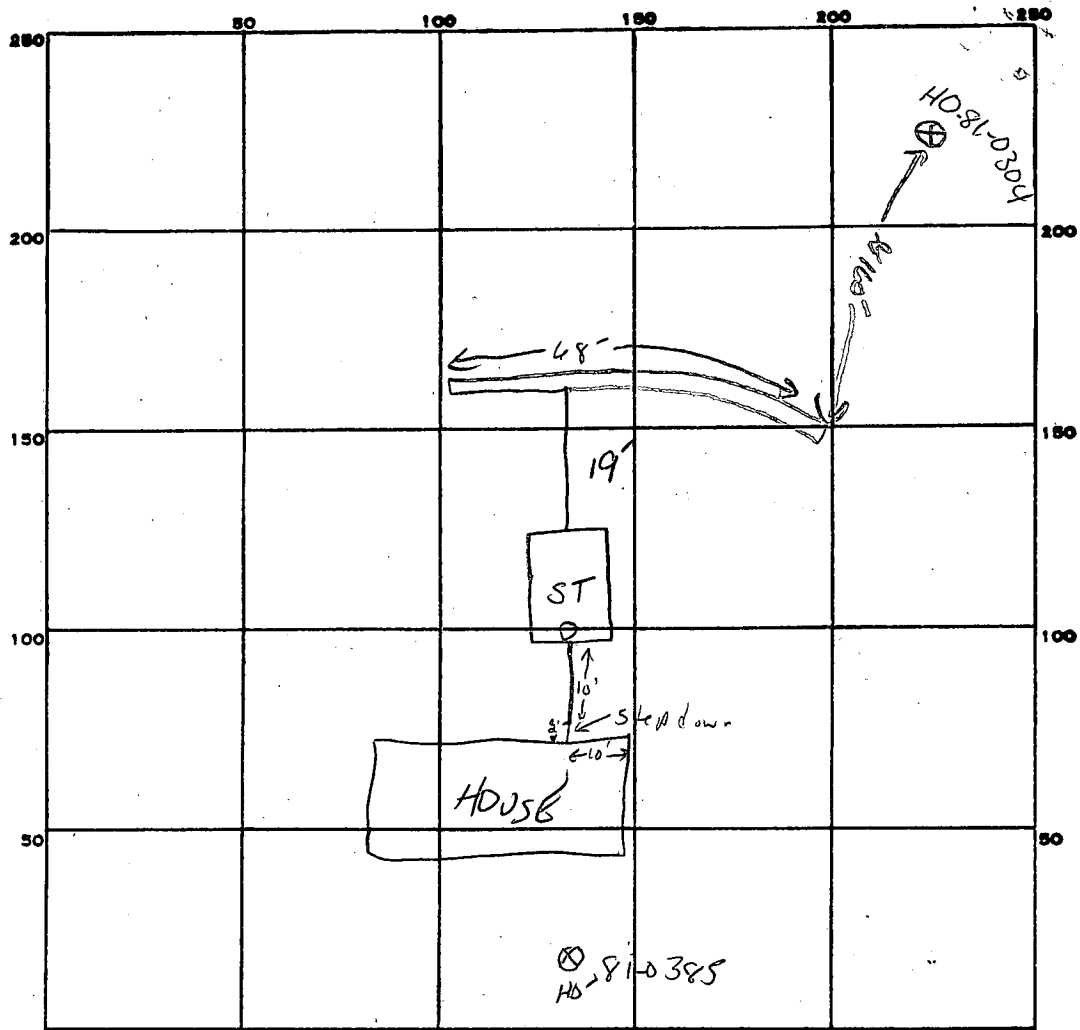
***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 31736

474 46/68 ft



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

MEADOW GLEN Rd.

PERMIT CARD

SEPTIC TANK, LEVEL

CLEANOUTS ST
O.K.

DISTRIBUTION BOX, LEVEL N/A

TILE FIELD, DEPTH 10 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 7 ft TOTAL LENGTH 68 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 476
ONE SIDE WALL

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 476 SQ. FT.

REMARKS 12-11-84 - OK to continue S.A. & F.S.

DATE SYSTEM APPROVED 12/18/84

INSPECTOR F. Skinner

W.P.I. - 11/7/84

WELL PUMP INSPECTION

OWNER: Sam Brown
13617 Meadow Glen Road
Highland, Maryland 20777

SUBDIVISION: Dunfretten Estates
Lot 23

PLUMBER: John M. Gaske, III
2416-A Rockwell Avenue
Baltimore, Maryland 21228

PHONE: 788-3289

Lic. Number: 3189

Receipt Number: 34400

COMMENT:

9/24/84 OK to proceed with well pump
installation - Call 461-9933 for inspection

F. Sherrin

11/7/84 WELL WIRED & COVERED.
NO OPPORTUNITY TO SEE SUPPLY LINE OR PITLESS ADAPTER.
C. Willson

11/8/84 PITLESS ADAPTER OBSERVED 3' FT BELOW GRADE
THRU WELL CASING.
BUILDER AGREED TO CONTACT PUMP INSTALLER TO
HAVE PROTECTIVE CONDUIT INSTALLED OVER ELECTRICAL WIRE.
11/8/84 *C. Willson*

APPLICATION

A 31736

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473 · ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 5th

DATE 11/24/81

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 S. Turner Nichols and James S. Nichols

ADDRESS 13270 Triadelphia Mill Road PHONE 286-2993
Clarksville, Md. 21029

PROPERTY LOCATION:

SUBDIVISION Dunfretten Estates LOT NO. #23

Meadow Glenn Macadam

ROAD AND DESCRIPTION 13617 Meadow Glen Rd.

Sam Brown BP# 60567

SIZE OF LOT 3 Acres TYPE BLDG. _____ (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.

S. Turner Nichols - James S. Nichols
(SIGNATURE OF APPLICANT)

APPROVED BY Raymond Hodge FOR Trenchard DATE 6/2/83

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT. SIGNED
~~AND RETURNED~~ 8-10-84

THIS IS NOT A PERMIT

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT

5th

DATE

11/24/87

A 3.736
P _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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REJECTED BY _____ FOR _____ DATE _____

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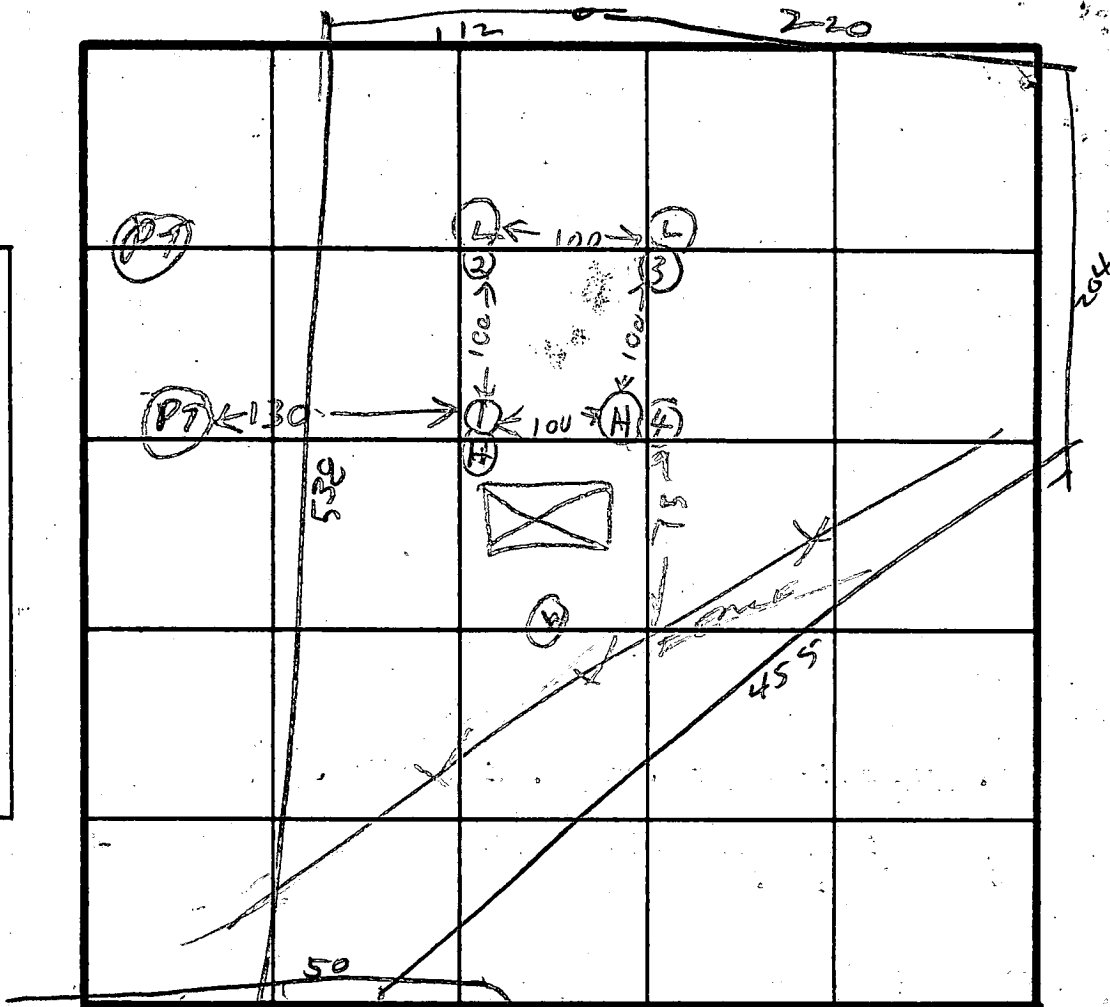
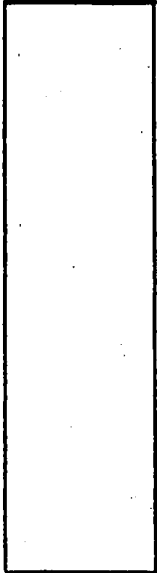
REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

#23

Sept

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS 'BASE LINE.'

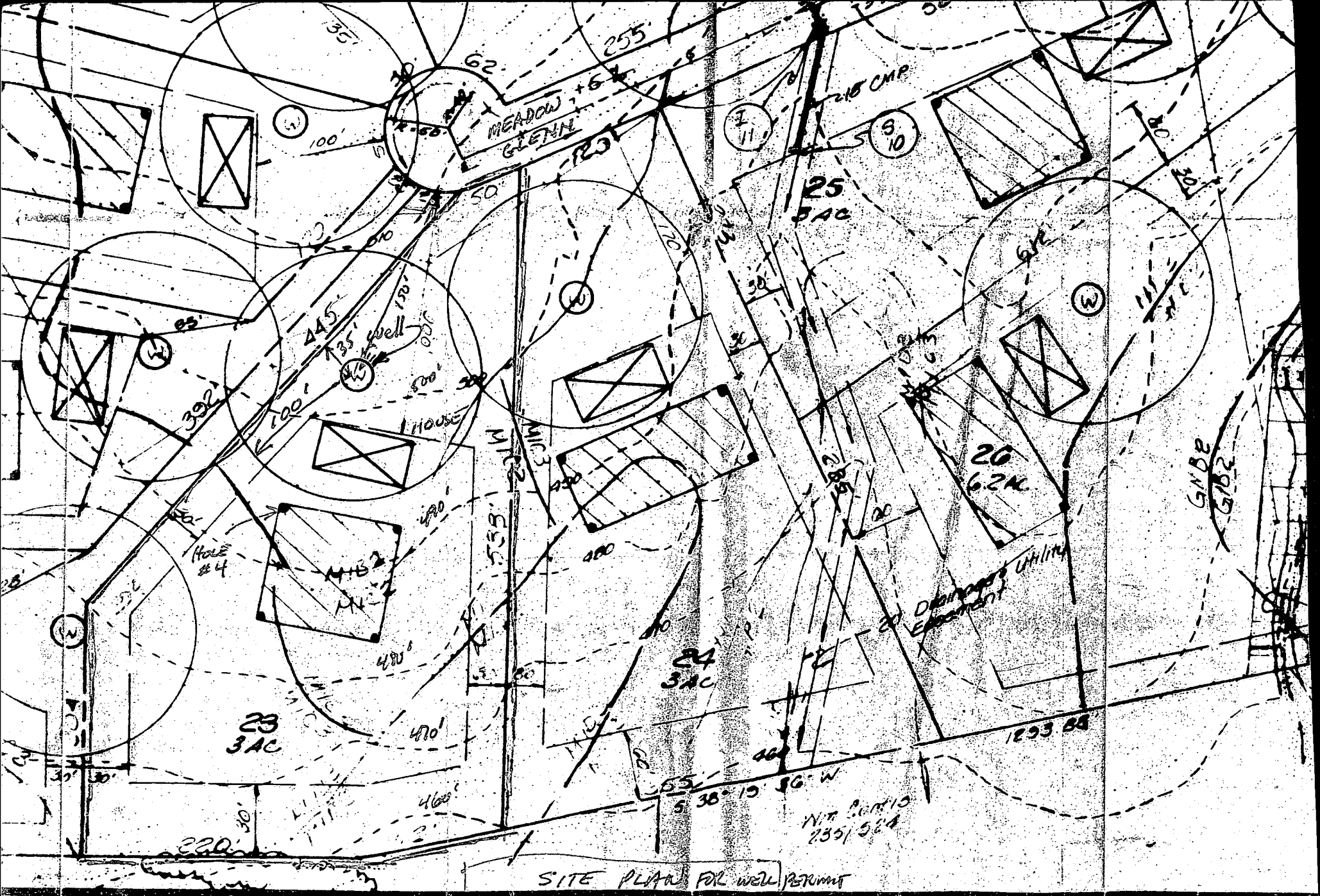
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/8/81	1S	4	239	240	240	241	1
12/8/81	1V	11	ALL	SANDY		DRY	
	2S	4	242	244	244	246	2
	2V	13 1/2	ALL	SANDY		DRY	
	3V	4	247	248	248	249	1
	3S	12	TOP BOT	3 FT 9 FT	CLAY SANDY		DRY
	4S	5	259	300	300	302	2
12/8/81	4V	12	TOP BOT	3 FT 9 FT	CLAY SANDY		DRY

airtime 2
Max Depth 3

REMARKS _____

TYPE OF SOIL _____

TESTED BY R HODGES ALSO PRESENT ARICHOBS
NICHOLS
ORNDORF



SITE PLAN FOR WELL PERMIT

ROUTE 108
 SVILLE, MD. 21029

12/16/83
 Well Site
 OK J.S.

LOT 23 - DUNFRETTON
 ESTATES
 SAMUEL J. BROOK JR.
 2169 ARTH WINDING WAY
 COLUMBIA, MD. 21045
 992-4297

Final Site Plan
 Lots 1 to 23
 Dunfretton Estates

B 1 **3527** SEQUENCE NO. (OEP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

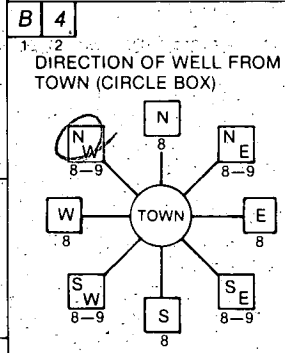
STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

OEP PERMIT NUMBER
HO-81-0385
 fill in this form completely

Date Received **4/84-9:30-pump**
12/2/83
 OWNER INFORMATION **test tomorrow**
Brown Samuel
 Last Name Owner First Name
7169 **Attic Window Wy**
 Street or RFD
Columbia **md** **21045**
 Town State Zip

B 3 LOCATION OF WELL
Howard
 COUNTY
Dun Fretten Estates
 SUBDIVISION
 SECTION **23** LOT **23**
Highland
 NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **2** MI

DRILLER INFORMATION
George F. Easterday
 Driller's Name
L. F. Easterday, Inc.
 Firm Name
265 Brown Church Rd. Mt. Airy, Md. 21771
 Address
George F. Easterday
 Signature
12/8/83
 Date



Tridelphia Mill Road
 NEAR WHAT ROAD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH
 WEST EAST
 SOUTH
1500
 DISTANCE FROM ROAD
 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 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
A 31736
 COUNTY NO.
 OEP SIGNATURE _____ STATE HEALTH INSERT S
 DATE ISSUED **12/16/83** **Frank Skinnis** **6/16/83**
 CO SIGNATURE EXP. DATE
 NORTH GRID **502000** EAST GRID **0803000**

APPROXIMATE DEPTH OF WELL **200** FEET

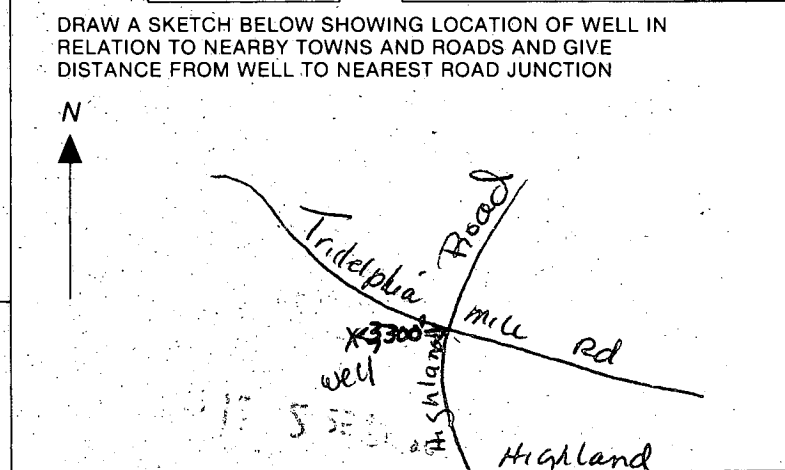
APPROXIMATE DIAMETER OF WELL **6** INCH

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVERSE-ROTARY Drive-POINT
 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 **FS** INITIALS IN BOX PERMIT No. **HO-81-0385**

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. **Location OK**
75' casing
50' open
22' - bags cement
1/4/84 JS
well
 WRITE THE BOX NUMBER FROM THE MAP HERE
 N **800 3**
 E **500 2**



SPECIAL CONDITIONS

C1 4469 (SEP 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 3173C

DATE Received

DATE WELL COMPLETED 010584

Depth of Well 300 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-81-0385

OWNER Brown Samuel last name first name STREET OR RFD Meadow Glenn TOWN Highland SUBDIVISION Dunfretten Estates SECTION LOT 23

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 topsoil, Red clay, reddish brown mica schist, brown mica schist, brown mica schist w/Quartz, Gray mica, brown mica schist, Gray mica, Gray mica w/Quartz, Gray mica.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 22 NO. OF POUNDS 2200 GALLONS OF WATER 120 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 50 ft.

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

MAIN CASING Nominal diameter top (main) casing of main casing TYPE (nearest inch) (nearest foot) ST 6 75

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.) 140 73 300

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 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. 40 DRILLERS SIGNATURE George S. Eastonday Robert K. Huebner SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

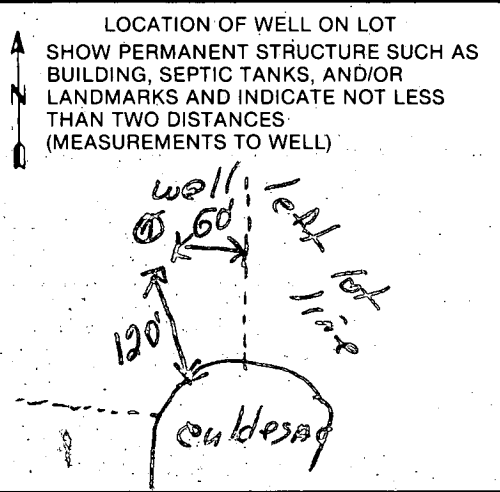
SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

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

SEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) WQ 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min. to nearest gal.) 3 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 38 WHEN PUMPING 77 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)



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0385
 Location of property (road) Meadow Glenn
 Subdivision Dunfretten Estates Lot 23 Block _____ Plat _____ Sec. _____
 Well Driller George F. Easterday Owner Samuel Brown

Depth of well 300 39pm
 Distance of measuring point (M.P.) above ground 200 2+
 Static water level (S.W.L.) below M.P. 38

I. High rate pumping -- reservoir drawdown

Time pump started 9:00 AM Pumping rate 9 Gpm
 Total time 30 min to reach pumping water level 75 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)
9:45	75	100 SEC		3
10:00	76	100 SEC		3
10:15	76	100 SEC		3
10:30	77	100 SEC		3
10:45	77	100 SEC		3
11:00	77	100 SEC		3
11:15	77	100 SEC		3
11:30	77	100 SEC		3
11:45	77	100 SEC		3
12:00	77	100 SEC		3
12:15	77	100 SEC		3
12:30	77	100 SEC		3
12:45	77	100 SEC		3
1:00	77	100 SEC		3
1:15	77	100 SEC		3
1:30	78	100 SEC		3
1:45	78	100 SEC		3
2:00	78	100 SEC		3
2:15	78	100 SEC		3
2:30	77	100 SEC		3
2:45	77	100 SEC		3
3:00	77	100 SEC		3
3:15	77	100 SEC		3
3:30	77	100 SEC		3

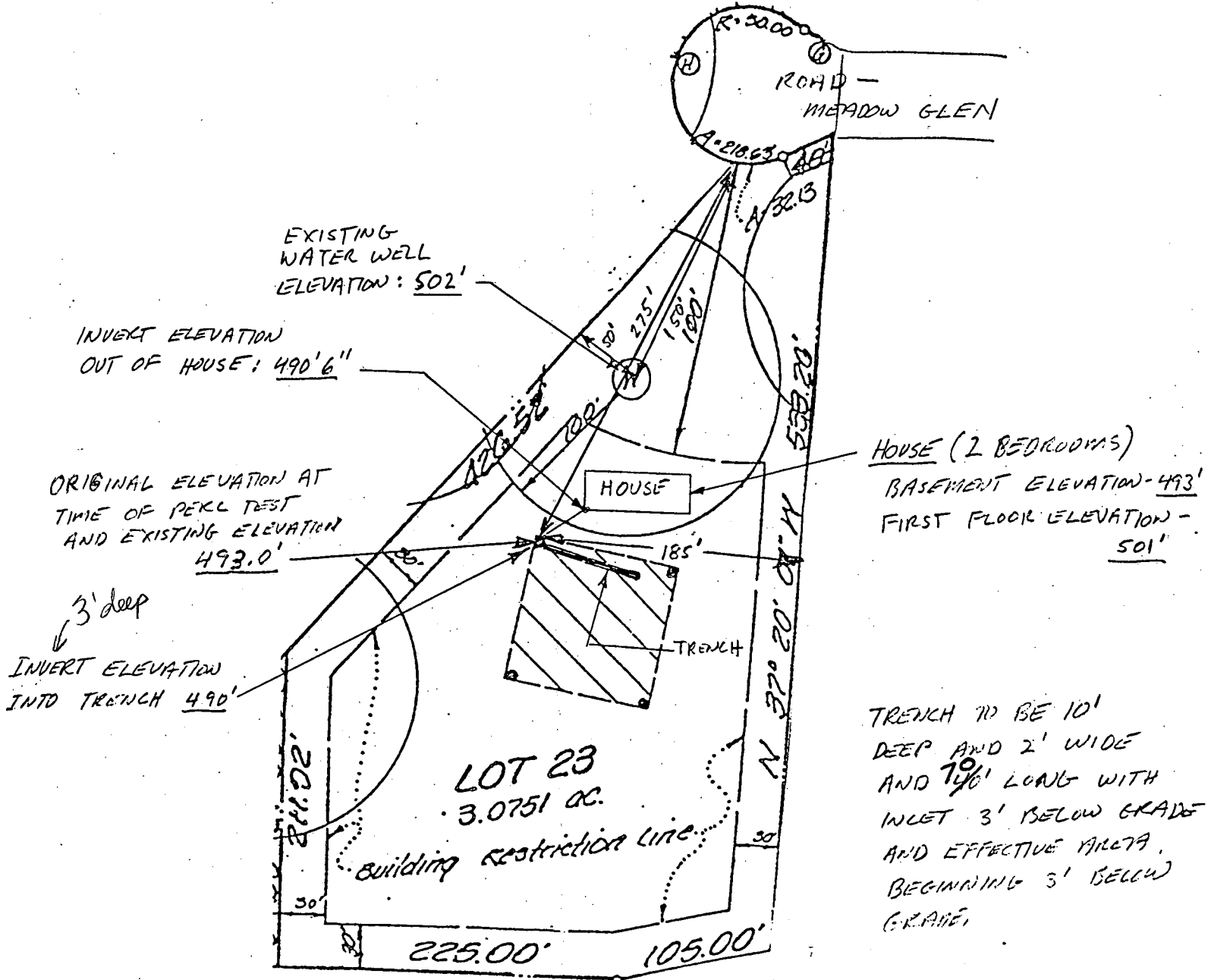
pump set at 300

Tested by BLANK

SITE PLAN

S. J. BROWN, LOT 23, DUNFRETEN ESTATES

A 31736



I certify the above measurements are actual and correct for this property. SIGNED: Samuel J. Brown Jr.

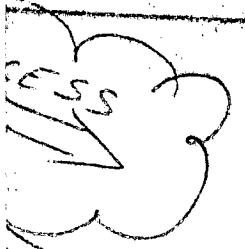
Samuel J. Brown Jr.
100 Pine Wood Court
COLUMBIA, MD. 21045
997-4297

BLDG. PERMIT SIGNED AND RETURNED 8-10-84.
Signature

683.12

33'±

30'



140'±

67'±

120'±

180'±

15'±

30.83

24'

Septic
Reserve
Area

30'±

35'±

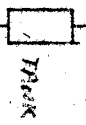


32'±

6'

42.89

RES.



TRUCK

93'±

52.83

220'±

RSE
DWIN
EX
MIN