

File

9/1 - ① Partial C.O.
9/1 ② " " " " C.O.

05-408083

PERMIT

P 42185

A 37385

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 5th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 7/28/88

③

DATE SYSTEM APPROVED 9/1/88

INSPECTOR C. B. Stresler

{ I.C.O.P.
Time expired }

B. W. T., Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS _____ PHONE _____

SUBDIVISION Dunfarmin Estates ROAD 5510 Smallwood Court LOT 15

PROPERTY OWNER Prospect Developers JAMES NICHOLS

ADDRESS _____

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

GARBAGE GRINDER? YES NO _____

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 5

TRENCHES - ~~200~~²²⁰ sq. ft. absorbent sidewall area per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe. Beginning from the intersection of the left (309.13') lot line and the front (360.70') lot line, place the distribution box 205 feet across the front (360.70') lot line toward the court and 80 feet off the same line. Run trenches on contour toward the front and rear lot lines. OKCW

PLANS APPROVED BY Sid Abel DATE 5/19/88

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 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 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.

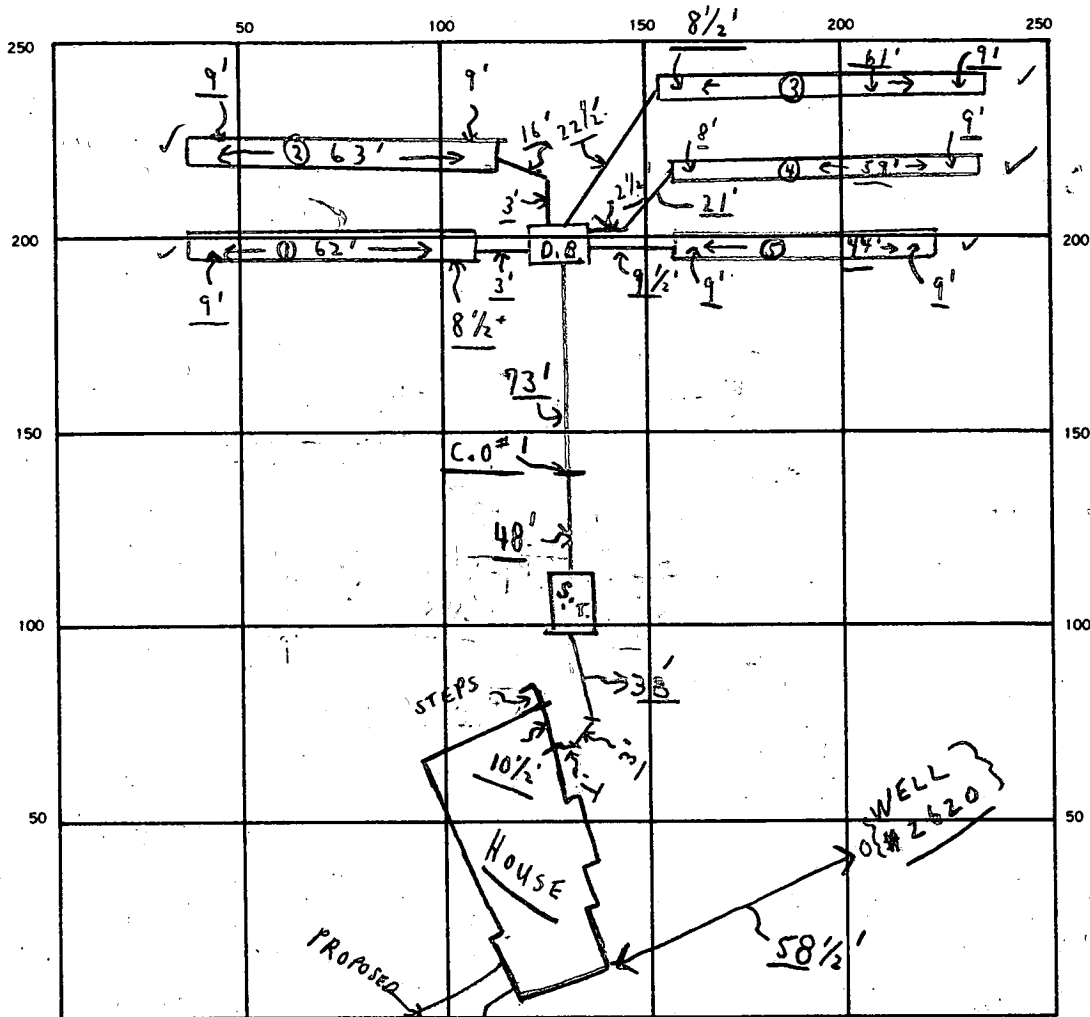
***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT**

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 37385

8-1-88
✓



INDICATE NORTH. NAME ADJOINING ROADWAY AS BASE LINE.

SEPTIC TANK. LEVEL	OK	CLEANOUTS	S.T.	C.O. #1 IN LINE
			OK	OK

DISTRIBUTION BOX. LEVEL OK - Baffles in

DRAIN FIELD/TILE FIELD. DEPTH $\left\{ \begin{array}{l} \textcircled{1} \frac{2}{2} \\ \textcircled{2} \frac{2}{2} \\ \textcircled{3} \frac{2}{2} \\ \textcircled{4} \frac{2}{2} \end{array} \right\}$ FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT. (FOR ALL)

EFFECTIVE GRAVEL DEPTH $\left\{ \begin{array}{l} \textcircled{1} \frac{2}{2} \\ \textcircled{2} \frac{2}{2} \\ \textcircled{3} \frac{2}{2} \\ \textcircled{4} \frac{2}{2} \end{array} \right\}$ FT. TOTAL LENGTH 289 FT. $\left\{ \begin{array}{l} \textcircled{1} 63 \\ \textcircled{2} 63 \\ \textcircled{3} 61 \\ \textcircled{4} 59 \end{array} \right\}$

NUMBER OF TRENCHES 5 ONE SIDEWALL/BOTTOM AREA 1156 SQ. FT. $\left\{ \begin{array}{l} \textcircled{1} 63 \times 4 \\ \textcircled{2} 63 \times 4 \\ \textcircled{3} 61 \times 4 \\ \textcircled{4} 59 \times 4 \end{array} \right\}$

DRYWELL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET 4 FT.

ABSORBENT AREA 1156 SQ. FT.

REMARKS 9/1/88 OK TO COVER FROM HOUSE TO D. BOX; (5) TRENCHES OK FOR STONE; PARTIAL - SIGNED PERMIT; (2) PARTIAL - OK TO COVER ALL BUT # (4) TRENCH; (3) OK TO COVER ALL WORK. FINALED.

DATE SYSTEM APPROVED 9/1/88 INSPECTOR Charles Bryan Wheeler

8/9/88
12 noon

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation X Replacement _____
Receipt # 42185
Date 7/28/88
Name of Installer JM Barnard Plbr Telephone 410-10599
License Number _____
Certified Well Pump Installer _____ Well Driller _____ Registered Plumber X
Name of Property Owner Prospect Bldgs Telephone _____
Subdivision DUNFARMIN ST Lot # 15 Well Tag # HO-81-2620
Site Address 5570 SMALLWOOD COURT

Pump
1. Type
a. Deep well jet _____
b. Shallow well jet _____
c. Submersible X
2. Make Myers
3. Model # _____
4. Capacity 4 GPM
5. Pump exceeds well capacity Yes X No _____
6. If Yes, is low pressure cutoff switch installed? Yes X No _____
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors X Cable guards X Other _____

Motor
1. Horsepower 1/2
2. RPM _____
3. Voltage _____
a. 110 _____
b. 220 X

Pitless Adapter
1. Make _____
2. Model # _____
3. Depth _____

Tank
1. Capacity 42 gal eq
2. Pressure relief valve? yes

Piping
1. Type Supergal
2. Size 1"
3. NSF and/or BOCA Code approved yes
4. Depth of supply line 42"

Well data
1. Depth 200 ft.
2. Yield 8 1/2 GPM
3. Static water level 37 ft.
4. Will water supply be disinfected by installer? no

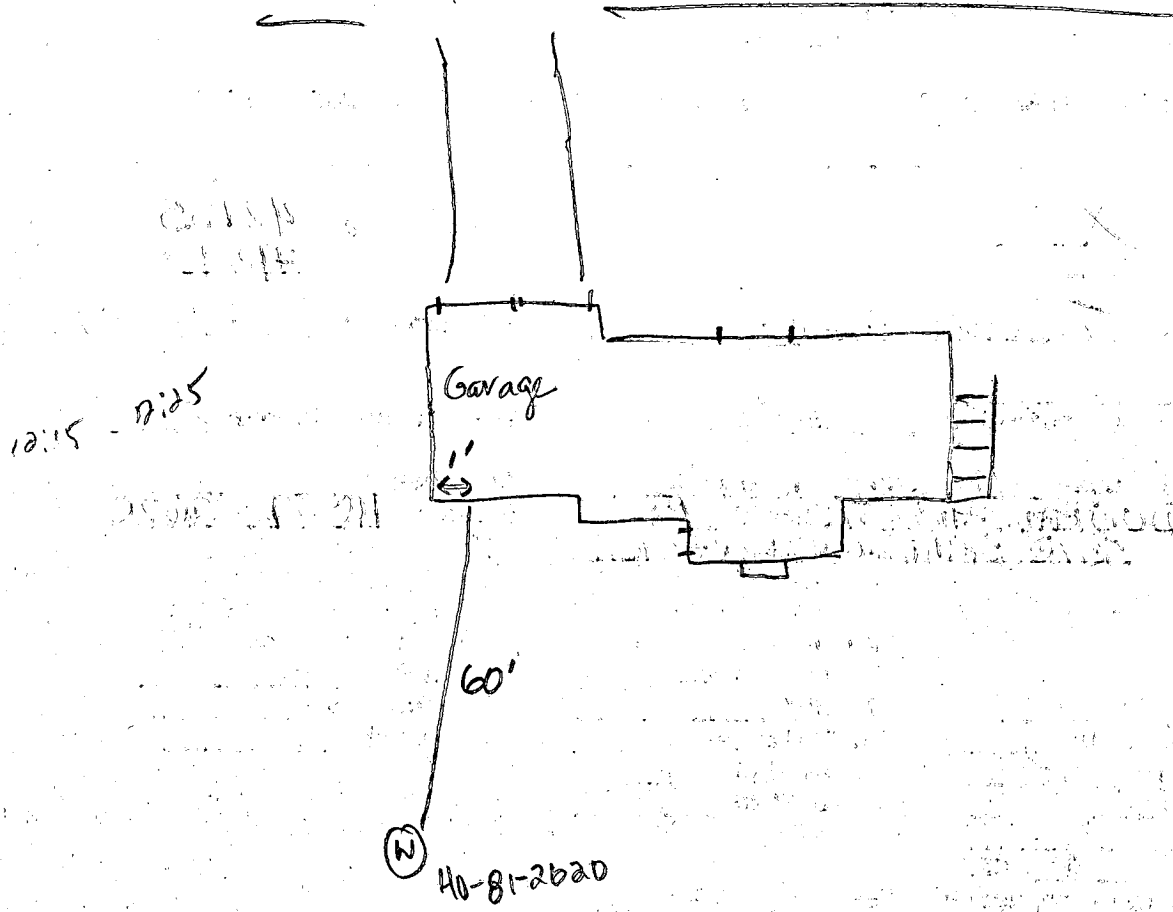
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

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

Signature of Applicant: JM Barnard
Date: 8/28/88

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

Small wood Ct



8-9-88 Pitless adaptor at 52 inches. Well line at 50 inches in trench. House connection ok. No pump tank installed yet. No ground installed. J.E. Nadeau

APPLICATION

A 37385

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 S. Turner Nichols & James S. Nichols

ADDRESS 13270 Tradelphian Mill Road PHONE 531-2505
Charlottesville

PROPERTY LOCATION:

SUBDIVISION Dunfarms LOT NO. 15

ROAD AND DESCRIPTION Fronting New Street, & Ten Oaks Road, (Maudslayi) 5510 SMALLWOOD 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 Srd Abel FOR Deep trenches DATE 5-19-88
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

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

S. Abel

BLDG. PERMIT SIGNED AND RETURNED 5-19-88
BP 18654 SAH

THIS IS NOT A PERMIT

① ③

12" AP
 Yellow RED
 Silt LOAM
 9% - 12% CLAY
 <10% FRAGS

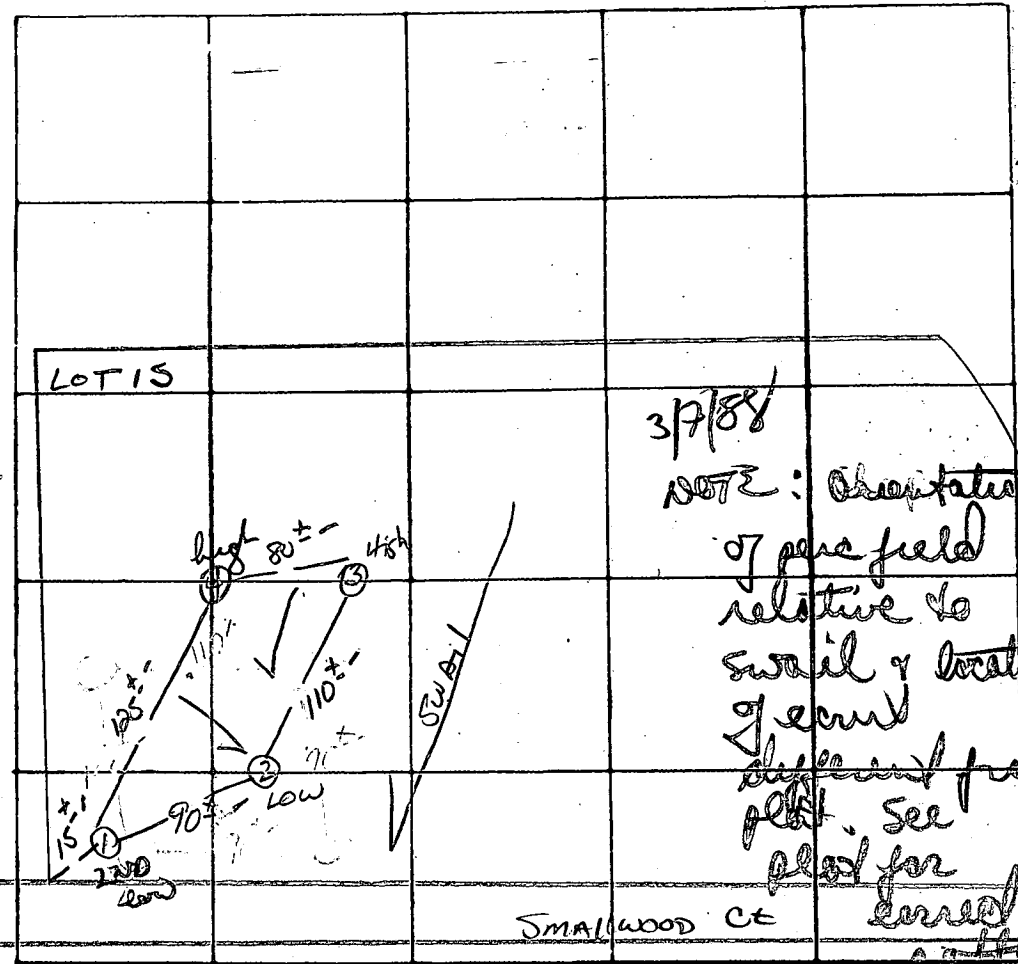
4"
 RED BROWN
 Highly micaceous
 Silt LOAM
 10-20%
 FRAGMENTS

② ④

12" AP
 RED BROWN
 SAND LOAM
 2% CLAY
 10%
 FRAGMENTS

4"
 LIGHT BROWN
 SAND LOAM
 10-15%
 FRAGMENTS
 w/ PINK
 CASTS

13"



X Perc
 7 min
 INLET 4'
 BOTTOM 8'
 180#/BR

TEN
 OAKS
 Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/27/86	1S	4.5	12:45	12:46	12:46	12:47	1min
	1V	14	uniform soil below		4.0		
	2S	4'	12:50	12:57	12:57	1:10	13min
	2V	13'	uniform soil below		4'		
	3S	4'	12:59	1:03	1:03	1:12	9 min
	3M	9.5'	12:58	12:59	12:59	1:02	3min
	3V	13'	uniform soil below		4'		
	4V	13'	un. form soil below		4'		

REMARKS Holes Diff than Plat

TYPE OF SOIL Glenelg

TESTED BY S. Abel ALSO PRESENT: J. Fyck

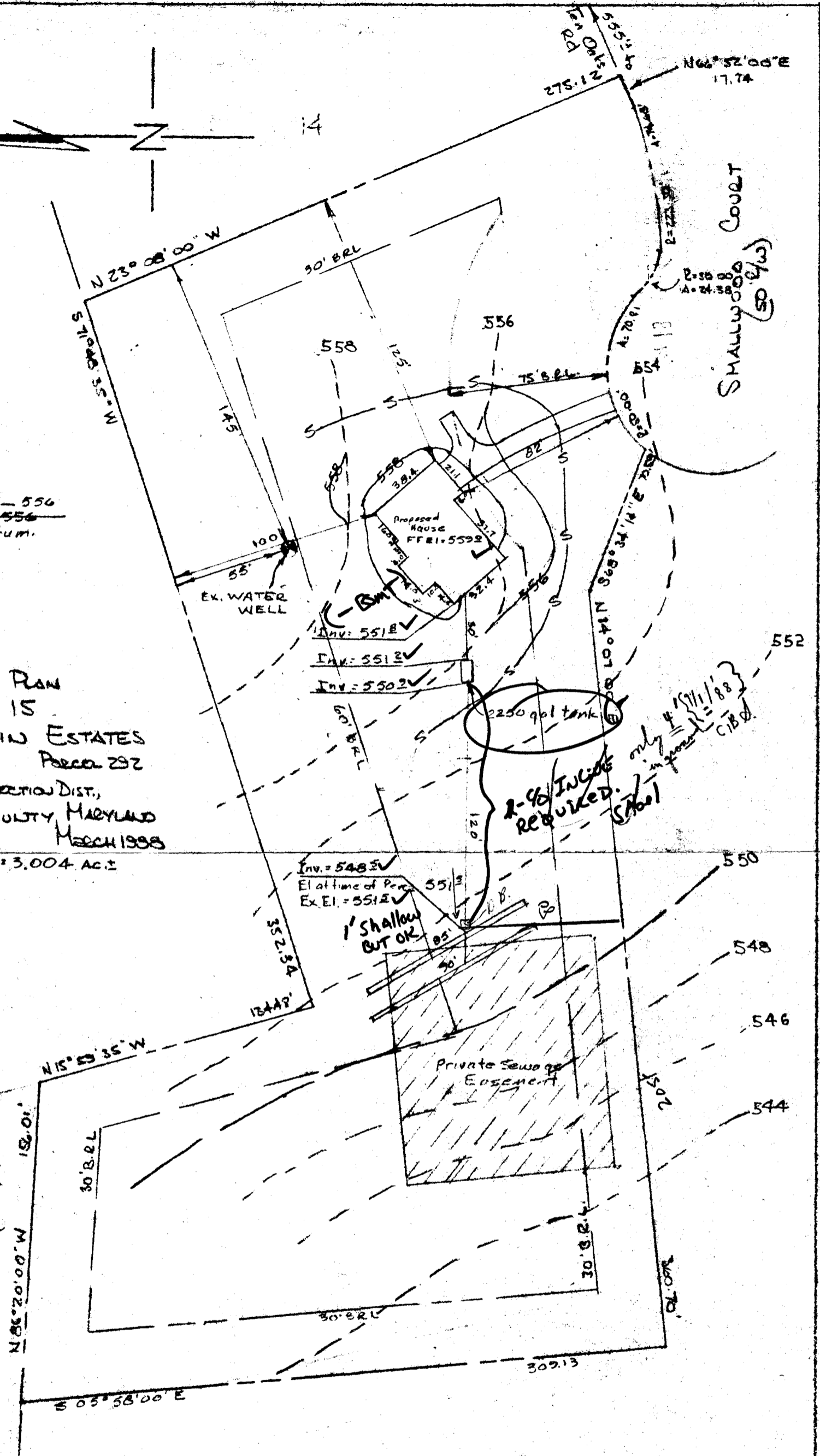
Ex. Grade: - - - - - 556
 Proposed Grade: 556
 Howard County Datum.

PLOT PLAN
 LOT 15
 DUNFARMIN ESTATES
 TAX MAP 34 Parcel 292
 FIFTH ELECTORAL DIST.
 HOWARD COUNTY, MARYLAND
 SCALE 1"=50' MARCH 1988
 AREA: 3.004 AC.

5-19-88
 ELEVATIONS ON
 S. CUB

BLDG. PERMIT SIGNED
 AND RETURNED 5-19-88
 BP18654
 S. CUB

16



Surveyors Certificate

I hereby certify that the bearings and elevations shown above are actual and correct for this property.

Jack E. Clark
 Registered Land Surveyor



PREPARED BY
 THE J. E. CLARK CO.
 P.O. Box 147
 LAUREL, MARYLAND 20707

LOT 12
3.004 AC ±

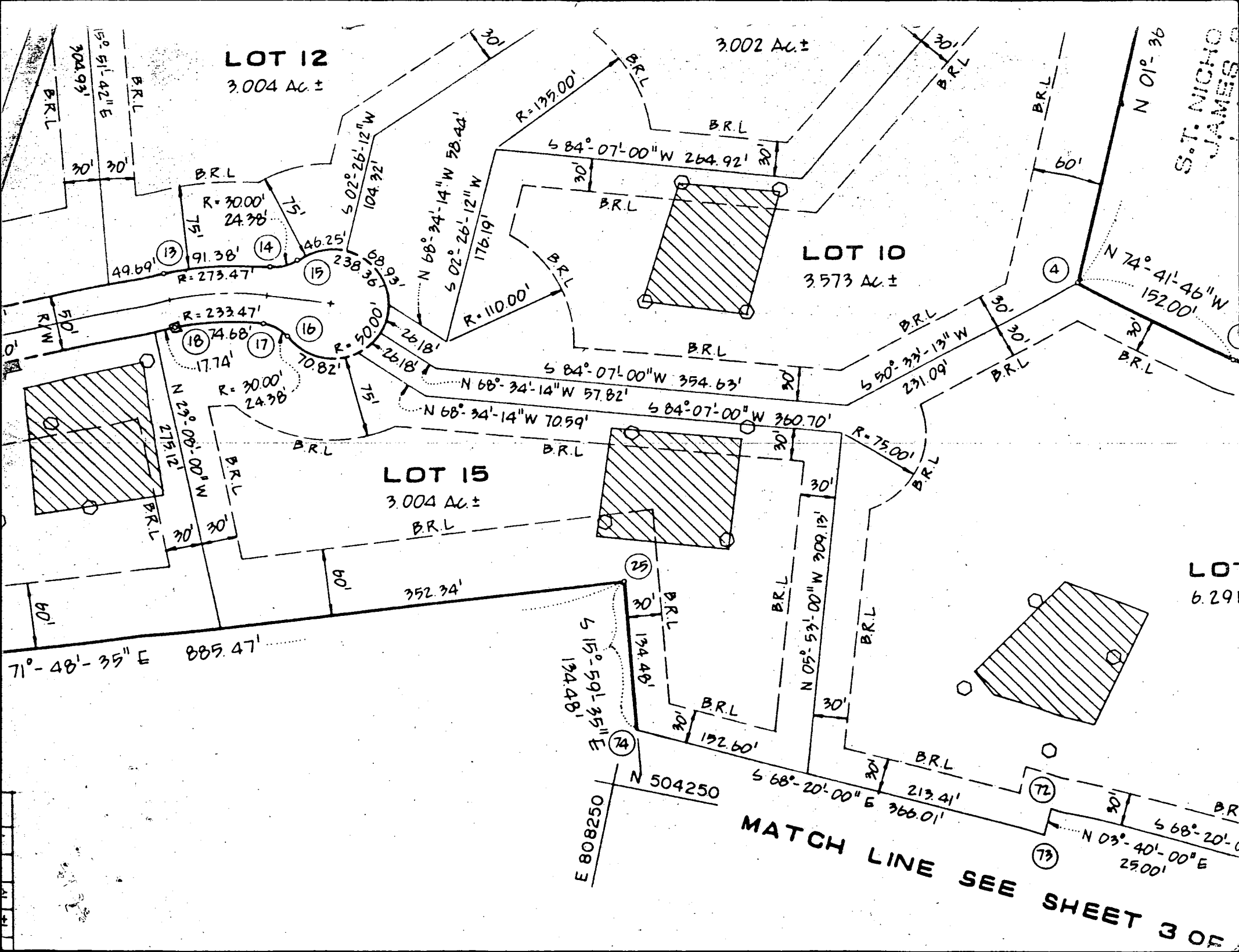
3.002 AC ±

LOT 10
3.573 AC ±

LOT 15
3.004 AC ±

S.T. NICHOLS
JAMES

LOT
6.29



MATCH LINE SEE SHEET 3 OF

E 808250
N 504250

S 68°-20'-00\"/>

C1 8577 (THIS NUMBER IS TO BE PUNCHED IN COLS. 1-6 ON ALL CARDS)

STATE OF MARYLAND WELL COMPLETION REPORT

COUNTY NUMBER A 37385 PERMIT NO. FROM "PERMIT TO DRILL WELL" HC-81-2620

DATE Received [] DATE WELL COMPLETED 03/18/88 Depth of Well 200 (TO NEAREST FOOT)

OWNER NICHOLS JAMES STREET OR RFD SMALLWOOD COURT TOWN CLARKSVILLE SUBDIVISION DUNFARMIN ESTATES SECTION LOT 15

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes handwritten entries: SAND, GRAY MICA Rock, 0-54, 54-200.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT BENTONITE CLAY, NO. OF BAGS 14, NO. OF POUNDS 1316.

CASING RECORD: casing types insert appropriate code below, MAIN CASING TYPE ST, Nominal diameter 6, Total depth of main casing 59.

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

SCREEN RECORD: screen type or open hole insert appropriate code below, ST, BR, HO, PL, OT.

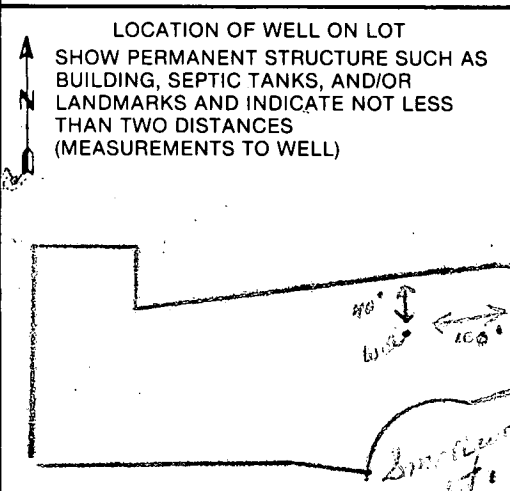
DEPTH (nearest ft.) table with handwritten entries: 1-10, 11-15, 16-20, 21-25, 26-30, 31-35, 36-40, 41-45, 46-50, 51-55.

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 3, PUMPING RATE 89, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL BEFORE PUMPING 37, WHEN PUMPING 81, TYPE OF PUMP USED S submersible.

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES (NO), TYPE OF PUMP INSTALLED, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT.



CIRCLE APPROPRIATE LETTER 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...

DRILLERS IDENT. NO. 238, DRILLERS SIGNATURE (Must match signature on application), SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee).

3658

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

MD-81-2620

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

please print or type

fill in this form completely

Date Received (APA)

030385

OWNER INFORMATION

WHEELS JAMES

13988 HICKWOOD ROAD

CLARKSVILLE MD 21029

B 3

LOCATION OF WELL

HOWARD

DYNFARM W ESTATE S

SECTION 44 46 LOT 48 50

CLARKSVILLE

MILES FROM TOWN (enter 0 if in town) 1 1/2 MI

DRILLER INFORMATION

Joseph L. Wayne 238

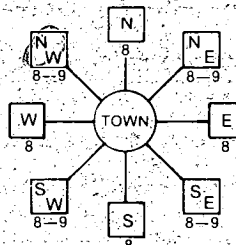
Joseph L. Wayne WELL DRILLING

5512 Ridge Rd. Mt. Airy, Md. 21771

Joseph L. Wayne 3/3/88

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Smallwood Court

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD

ENTER FT or MI FC

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 A 37385

STATE SIGNATURE DATE ISSUED

031585 B Nyeon 09/18/88

NORTH GRID 503000 EAST GRID 080800

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

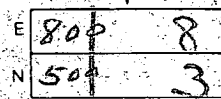
- Bored (or Augered)
Jetted
Jetted & Driven
Air-Rotary
Air-PerCussion
Rotary (Hydraulic Rotary)
Cable
Reverse-Rotary
Drive-Point
other

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- 1. WELLS
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE



3-18-88 Location ok

59 ft casing
45 ft open hole

14' basement
1 ft above ground

JE Nadeau

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 deepen an existing well

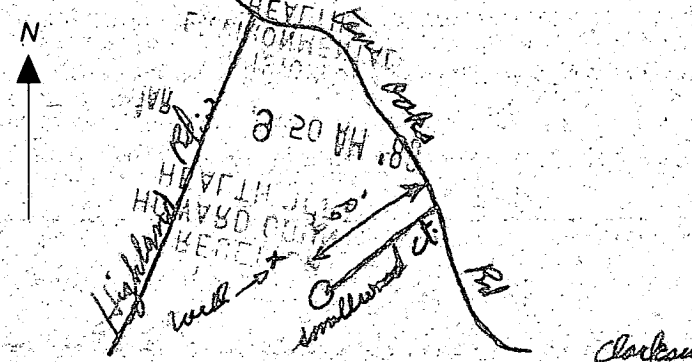
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

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

APPROP. PERMIT NUMBER GAP

FORCE INITIALS PERMIT NO. MD-81-2620

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



SPECIAL CONDITIONS