

05-408075

8-9-88 ✓
after 12 ✓
8-10-88 am ✓
8-11-88 am ✓
JPM

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 42184

A 37384 A

DISTRICT 5th

DATE 7/28/88

DATE SYSTEM APPROVED 8-11-88

INSPECTOR JEN

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

3
275
1100

B. W. T., Inc.

IS PERMITTED TO INSTALL ALTER

ADDRESS _____

PHONE 301-498-6138

CLARKSVILLE, MD 21029

SUBDIVISION Dunfarmin Estates

ROAD 5500 Smallwood Court LOT 14

PROPERTY OWNER Bernard Thompson

ADDRESS _____

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

GARBAGE GRINDER? YES NO

220
411,000
275 ft trench

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 5

220

TRENCHES - ~~180~~ 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 4 feet below original grade. 4 feet of stone below distribution pipe. Place the distribution box 150 ft. up the left (275.12') lot line and 75 ft. off the same lot line as seen when facing the lot from Smallwood Court. Run trenches on contour toward left and right lot lines. Maintain 100 feet from well with any portion of system. ok(w)

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 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.

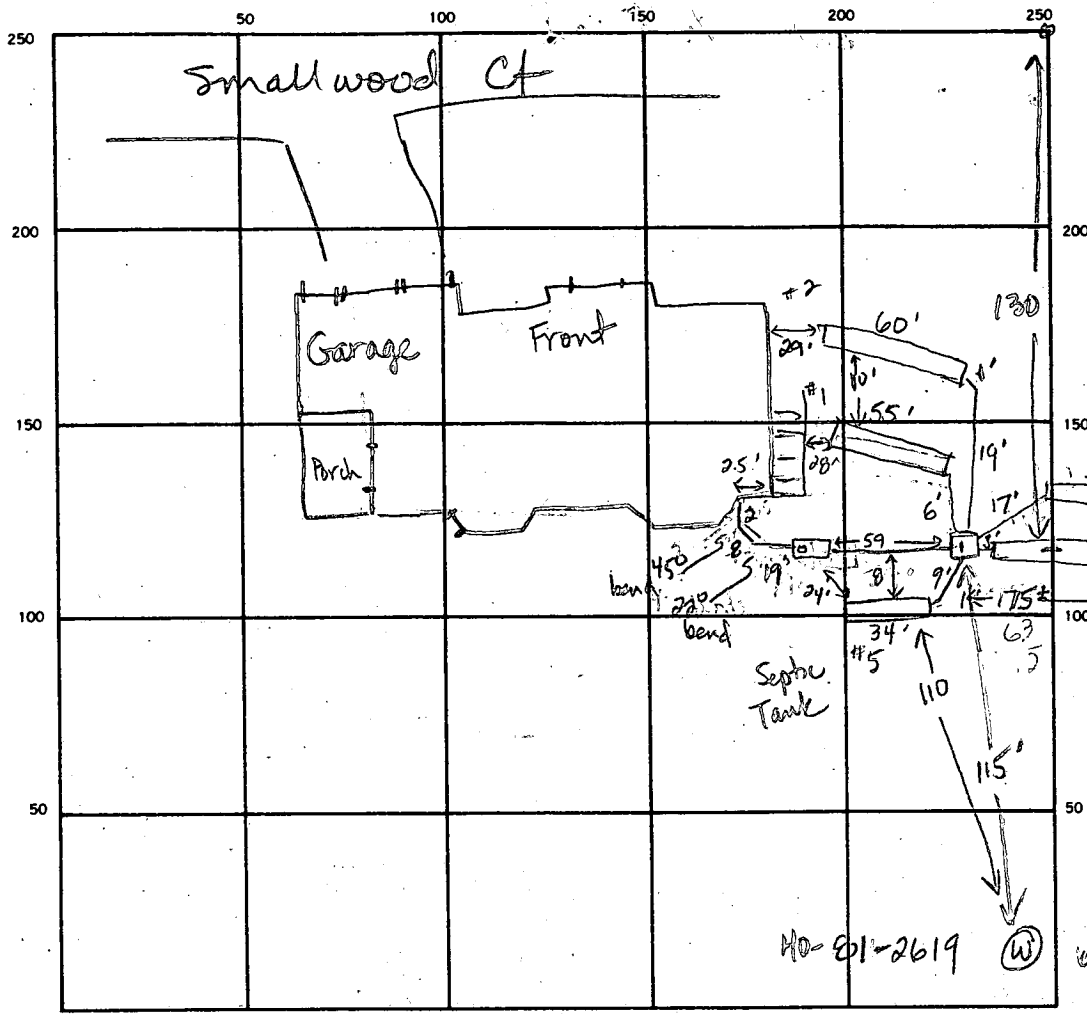
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 37384A



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

Steel well casing was bowed about 30° from vertical. Around casing grout was solid around lower part according to backhoe operator.

SEPTIC TANK LEVEL 2000 gal CLEANOUTS 1 on septic tank

DISTRIBUTION BOX LEVEL OK Needs baffle & must have pipes leveled OK

DRAIN FIELD/TILE FIELD. DEPTH 8 8 8.5 8 FT 9 TRENCH WIDTH 2 FT. INLET DEPTH 35/35/4/4/4.5

EFFECTIVE GRAVEL DEPTH 4.5 4.5 4 4.5 4.5 FT. TOTAL LENGTH 55 60 59 61 FT 34

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 247.5/270/236/274.5 SQ. FT.

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

ABSORBENT AREA 1181 SQ. FT.

2	60
4.5	65
3.4	61
3.4	59
1.80	29.5
1.53	34
274.5	279
270	
236	
1.53	
1181.8	

REMARKS 8-9-98 Must raise basement service from house to achieve minimum of 1/8 in /ft drop to septic tank. JEN

8-10-98 Line from house to septic tank is still unsatisfactory. Raise it. OK to add stone pipe and paper to trenches. Must excavate 50 ft more trench. Call for final. Plumber did not stub out of house, but plumbing was completed.

JEN 8-11-98 OK to cover trenches 1 to 4. Add stone etc. to #5, level dist box, raise at house. (All 122 inlets)

8-11-98 House connection ok. Distribution box ok. Cover all work. Jane E. Naderni

DATE SYSTEM APPROVED 8-11-98 INSPECTOR _____

30
7/2/98
127

78
2.4
31.2
156
187

Prop line

DUNFARM IN ESTATES

A 37384

SUBDIVISION: SMALLWOOD CT / TEN OAKS RD LOT NUMBER: 14

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total Square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet _____ feet below original grade.
 Bottom maximum depth _____ feet below original grade.
 Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

220 w/ disposal
~~180~~ sq. ft./bedroom

Trench to be 2 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.

2250 ST Proposed
(SBR w/ disposal Poss)

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: PLACE THE DISTRIBUTION BOX 150 FE UP THE LEFT (27512')
LOT LINE AND 75 FE OFF THE SAME LOT LINE AS SEEN WHEN
FACING THE LOT FROM SMALLWOOD CT. RUN TRENCHES ON CONTOUR
TOWARD LEFT AND RIGHT LOT LINES. MAINTAIN 100 FE FROM WELL
WITH ANY PORTION OF SYSTEM. 5-19-88 SJM

APPLICATION

A 57384

SEWAGE DISPOSAL TESTING

P _____

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 5

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

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.T. NICHOLS JR. & JAMES S. NICHOLS
~~S Turner Nichols & James S Nichols~~

ADDRESS 13270 Treadelphin Mill Road PHONE 531-2505
Clarksville

PROPERTY LOCATION:
SUBDIVISION Deerfarm LOT NO. 14

ROAD AND DESCRIPTION Fronty New Street & Fern Palm
Road (Macadam) 5500 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 Sid Abue FOR Deep trenches DATE 5-19-88
(KIND OF SYSTEM)

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

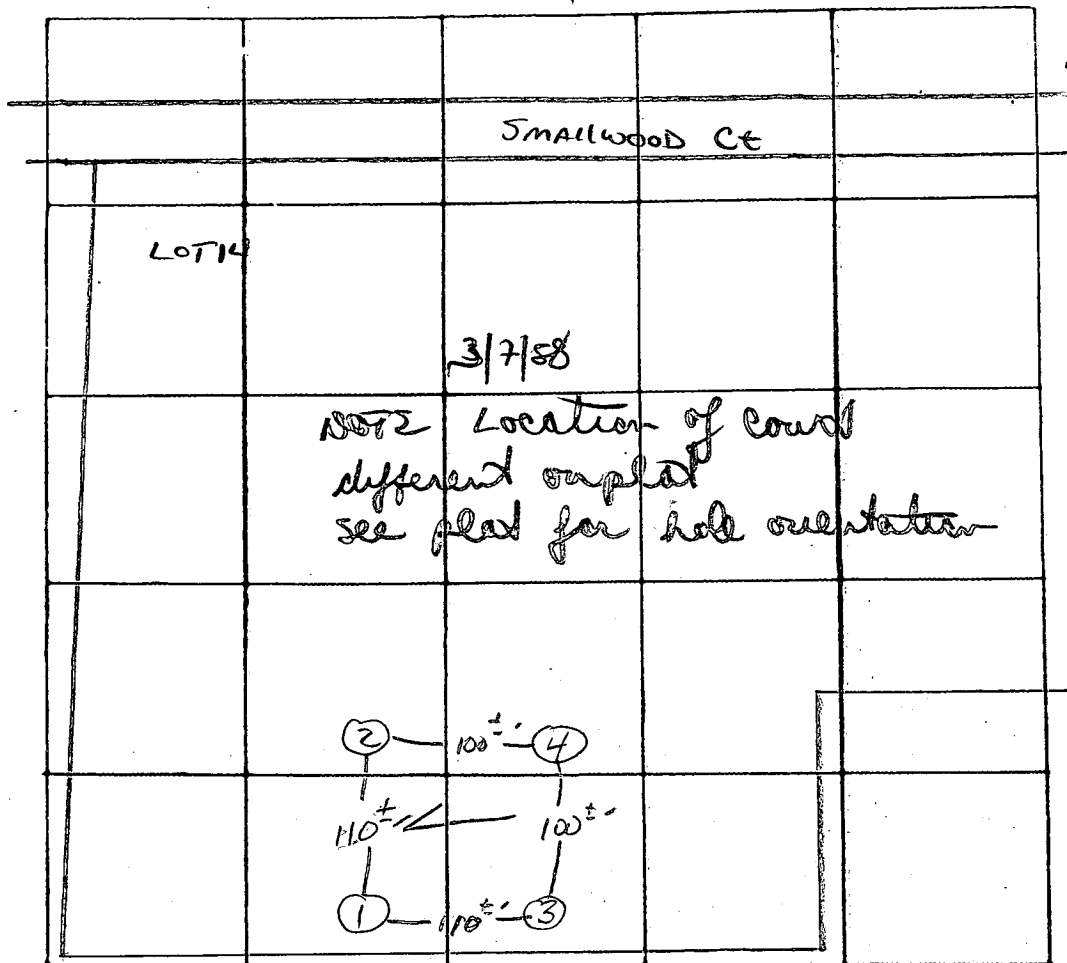
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 8-28-86 PUE. SATISFACTORY; HOLD FOR Subdivision PLAT SAID

SEWAGE PERMIT SIGNED
AND RETURNED 5-19-88

BP18653
SAB

THIS IS NOT A PERMIT



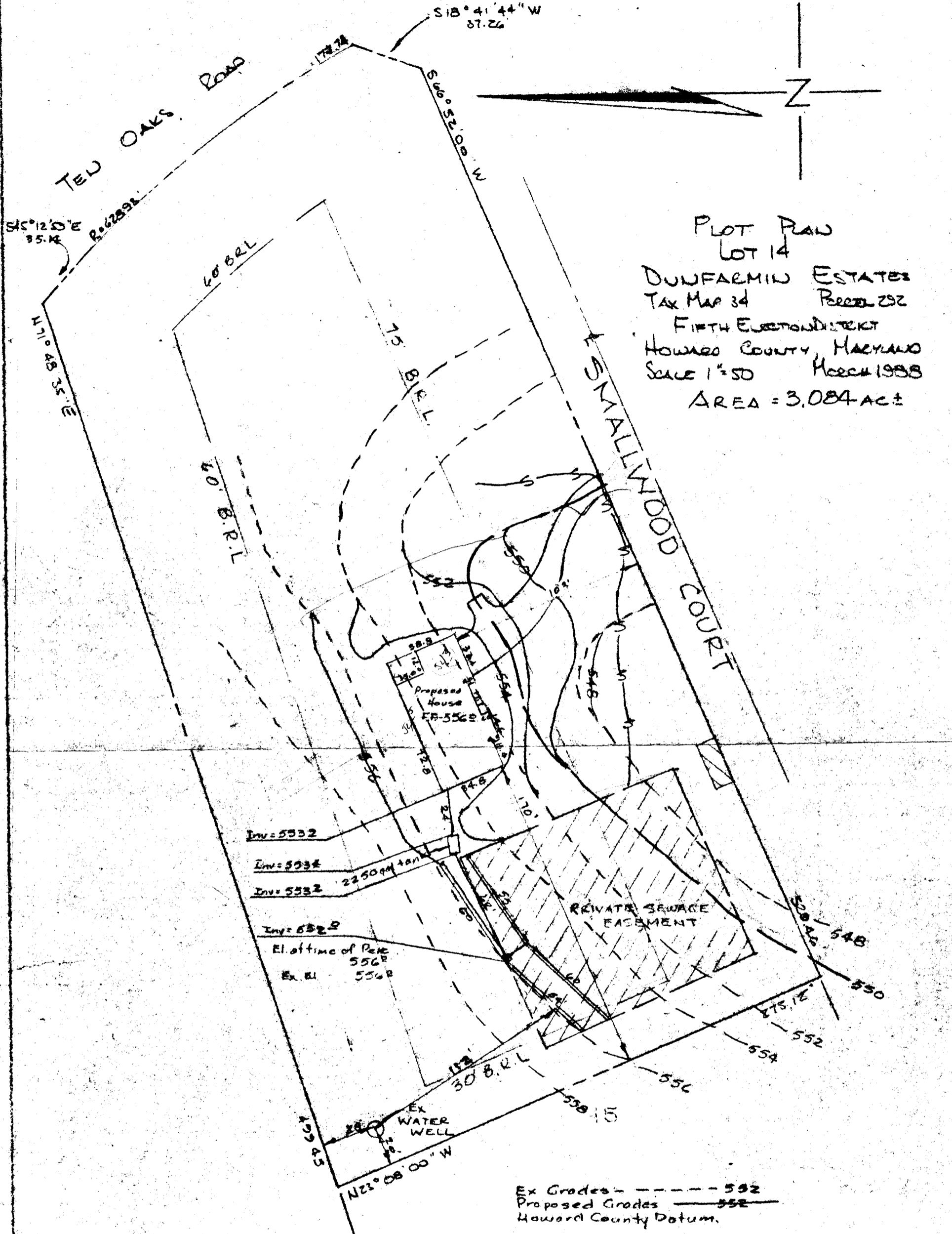
①
 12' AP
 Yellow BR
 Silt + Loam
 9-12% CLAY
 <10% FRAGS
 3-5' Yellow BR
 Silt Loam
 10-20%
 FRAGMENTS
 MICACEOUS
 14'

TEN OAKS Rd.
 7 PERC
 5 MIN
 INLET 4
 BOTTOM 8

180 #1 BR

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
8/28/62	1 S V	6" 14"	11:53	11:55	11:55	12:00	5 min	
	2 S V	4" 14"	11:54	11:56	11:56	12:00	4 min	
	3 V	14"	SAME AS #1 w/ PINK CASTS					
	4 S M	2" 7"	11:57	12:02	12:02	12:11	9 min	
	4 V	14"	11:57	11:58	11:58	12:00	2 min	
		14"	SAME AS #3 w/ WHITE SAND					

REMARKS HOLDS PER PLAT
 TYPE OF SOIL Glennclg
 TESTED BY S. Abel ALSO PRESENT: J. Fyke & C



PLOT PLAN
 LOT 14
 DUNFARMIN ESTATES
 TAX MAP 34 Parcel 292
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE 1"=50' March 1998
 AREA = 3.084 AC ±

Ex Grades - - - - - 552
 Proposed Grades - - - - - 552
 Howard County Datum.

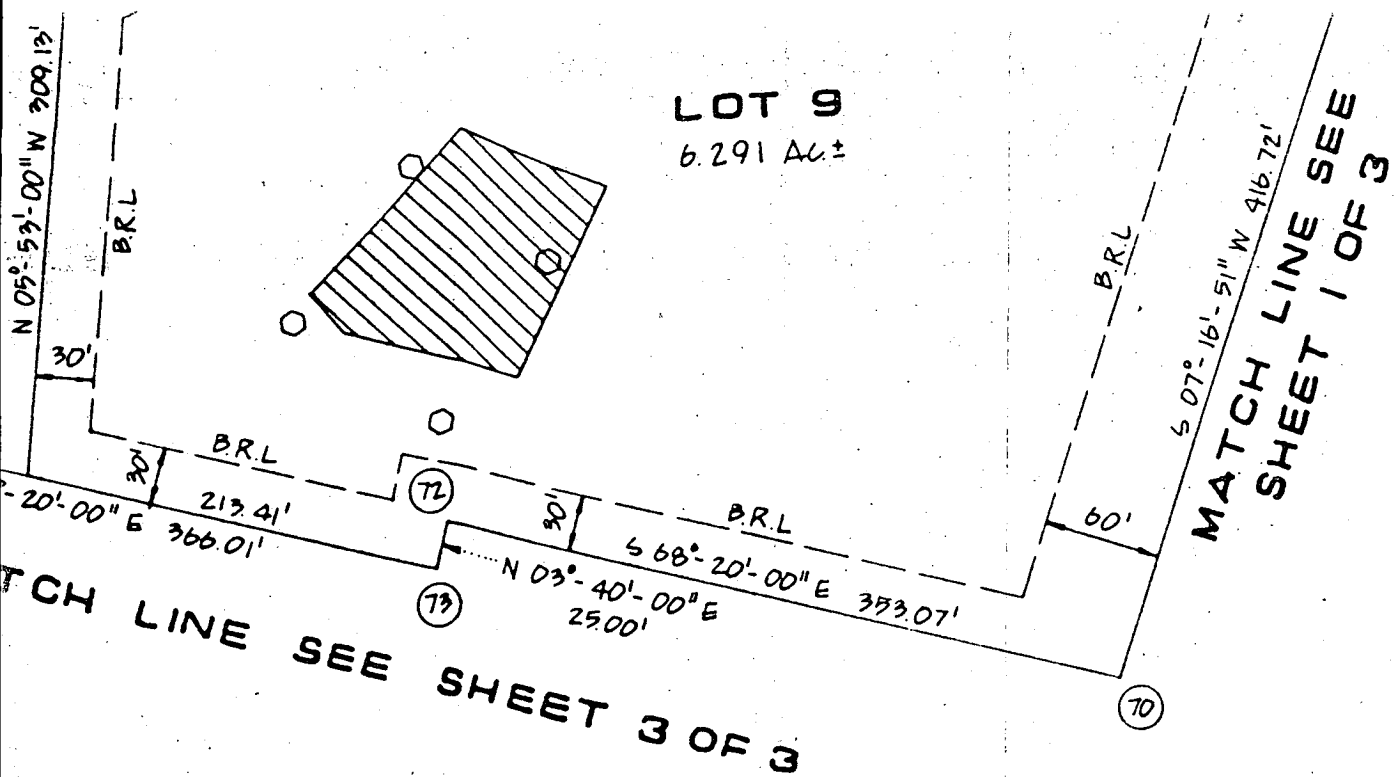
Surveyors Certificate

I hereby certify that the shown above are actual and elevations this property

Jack Clark
 Registered Land Surveyor



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



DEED SURVEYOR'S CERTIFICATE

I hereby certify that the Final Plat shown hereon is a Subdivision of part of the land conveyed to Samuel T. Nichols, Jr. and James S. Nichols, dated December 26, 1975 and recorded in the Land Records of Howard County, Maryland in Liber No. 100 and that all monuments are in place or will be in place to the acceptance with the Annotated Code of Maryland.



Clark
 PROFESSIONAL LAND SURVEYOR
 NO. 4379
 DATE 10-26-87

RECORDED AS PLAT **7831** ON **5-16-88**
 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

DUNFARMIN ESTATES
LOTS 1 THRU 18

TAX MAP 34 PARCEL 292
 FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

THE J.E. CLARK COMPANY
 LAND SURVEYING AND ENGINEERING

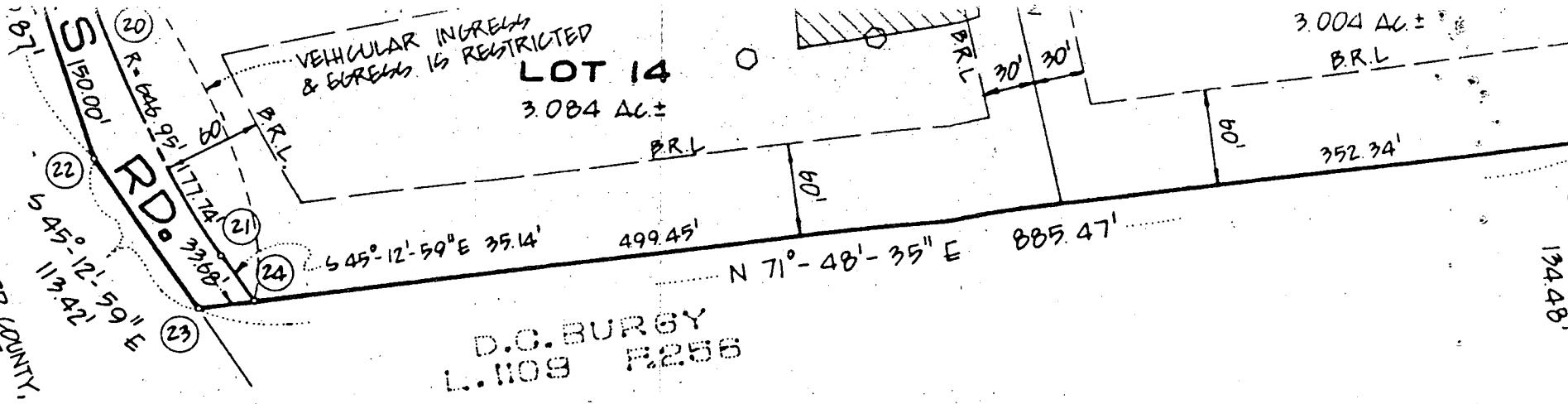
P.O. BOX 147
 LAUREL, MD 20707
 (301) 725-3442

REF: S-86-68
 P-87-47
 SCALE: 1" = 100'
 DATE: OCT 1987
 Rev. 8-88

SHEET
 2
 OF
 3

F-88-26

LAND DEDICATED TO HOWARD COUNTY,
 A PUBLIC ROAD FOR THE PURPOSE OF
 THE PURCHASE OF THE AREA - 1.602 AC. ±



D.C. BURGY
 L. 1108 P. 256

AREA TABULATION

	THIS SHEET
TOTAL NUMBER OF LOTS	7 LOTS
TOTAL AREA OF LOTS	25.022 AC. ±
TOTAL AREA RIGHT-OF-WAY DEDICATION	1.602 AC. ±
TOTAL AREA FLOOD PLAIN DEDICATION	N/A
TOTAL AREA OF PLAT	26.311 AC. ±

OWNER'S CERTIFICATE

We, Samuel Turner Nichols, Jr. and James Smallwood Nichols, owner of the property shown and described hereon adopt this plan of Subdivision and in consideration of the approval of this Final Plat by the office of Planning and Zoning, establish the minimum Building Restriction Line and unto Howard County, Maryland, its successors and assigns (1) the right to lay, construct and maintain sewers, drains, water pipes and other municipal utilities and services in under all Roads and Streets Right-Of-Ways and the specific easement area shown hereon, (2) the right to require Dedication For Public Use the beds of the streets and/or roads and flood plain and Open Space where applicable and for good and other valuable consideration, hereby grant the right and option to Howard County to acquire the Fee Simple Title to the streets or roads and flood plains, storm drainage facilities and Open Space where applicable and (3) the right to require Dedication of Water Ways and Drainage Easements for the specific purpose of their construction, repair and maintainance and (4) that no Building or Structure of any kind shall be erected on or over the said Easements and Right-Of-Ways.

Witness our hands this 27th day of October, 1987

APPROVED : For Private Water, and Private Sewerage Systems.

Samuel Burgy 4-28-88
 HOWARD COUNTY HEALTH OFFICER DATE

APPROVED : HOWARD COUNTY OFFICE OF PLANNING AND ZONING

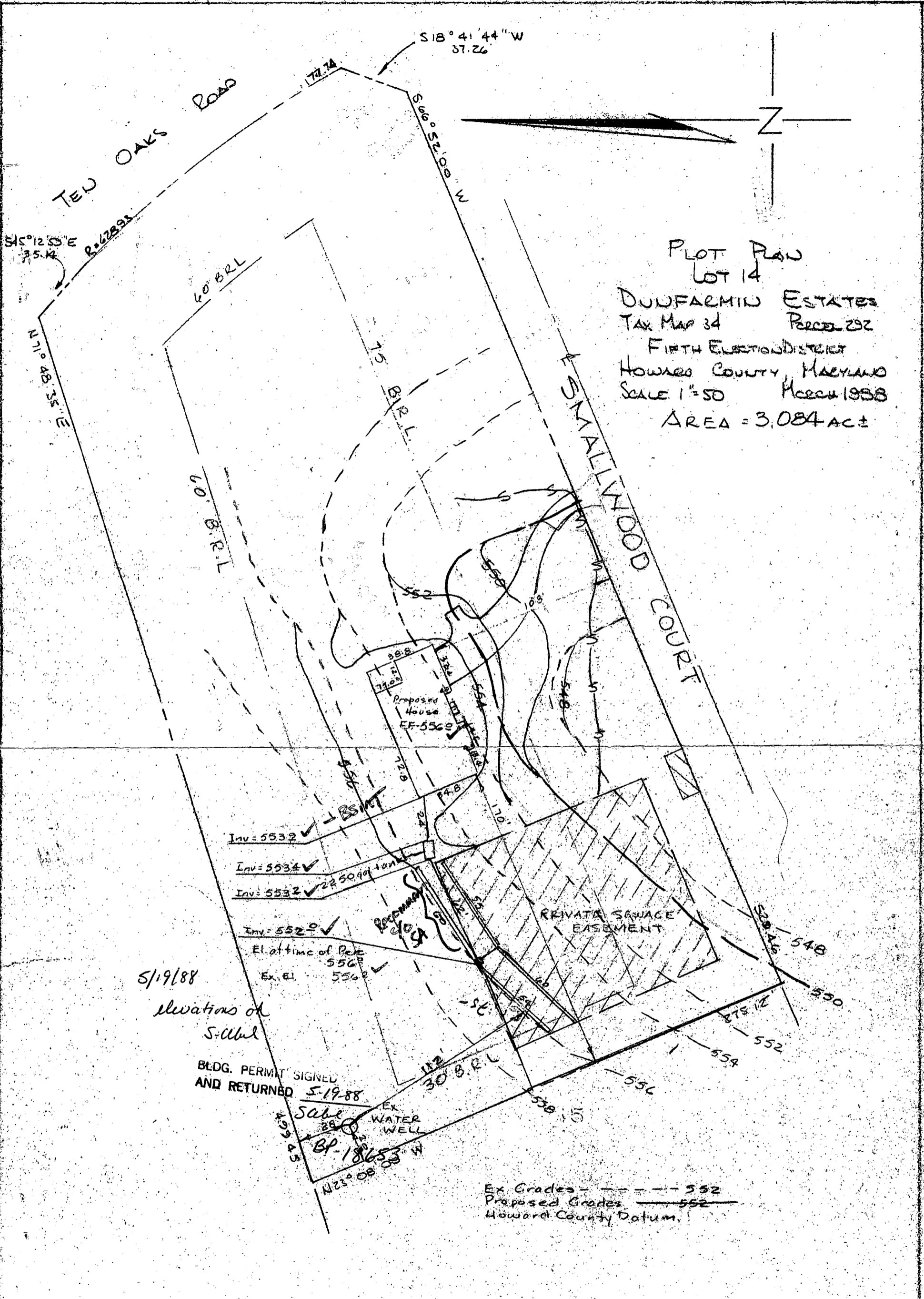
James Smallwood 5/11/88
 DIRECTOR DATE

APPROVED : FOR Storm Drainage Systems and Public Road.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
James M. Lewis 5/13/88
 DIRECTOR DATE

Samuel T. Nichols
 SAMUEL T. NICHOLS, JR.

James S. Nichols
 JAMES S. NICHOLS



PLOT PLAN
 LOT 14
 DUNFARMIN ESTATES
 TAX MAP 34 Parcel 292
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE 1"=50' March 1988
 AREA = 3.084 AC ±

5/19/88

Elevations of
S-1111

BLDG. PERMIT SIGNED
 AND RETURNED 5-19-88

Sable
 BP-18653
 N23°08'03" W

Ex Grades - - - - - 552
 Proposed Grades - - - - - 552
 Howard County Datum

Surveyors Certificate

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

Jack Clark
 Registered Land Surveyor



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

C1 8576 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER A37384

DATE RECEIVED

DATE WELL COMPLETED 132388

DEPTH OF WELL 225 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HC-81-2679

OWNER NICHOLS JAMES STREET OR RFD SMALLWOOD COURT / BEAVER TOWN CLARKSVILLE SUBDIVISION DUNFARMIN ESTATES SECTION LOT 14

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 handwritten entries: SAND Stone 0 67, GRAY Mica Rock 67 225.

2 dry wells 500, 360' Filled in with cement + drilling materials

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

CASING RECORD casing types insert appropriate code below MAIN CASING Nominal diameter Total depth TYPE top (main) casing of main casing

OTHER CASING (if used) diameter depth from to

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

Table for SCREEN RECORD with columns for DEPTH (nearest ft.) and rows for EACH SCREEN.

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"

DRILLERS IDENT. NO. 238 DRILLERS SIGNATURE

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

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

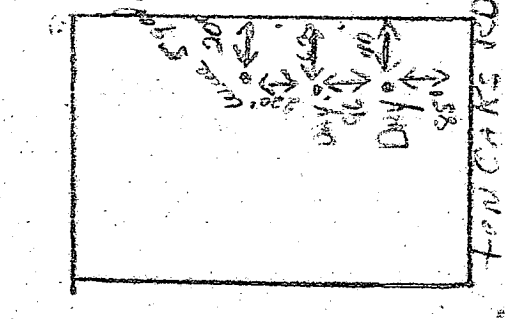
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) WQ TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 5 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 31 WHEN PUMPING 96 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)

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)



B 1 **3657** 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
HO-81-2619
 fill in this form completely

Date Received (APA) **030380**
 OWNER INFORMATION
NICHOLS **JAMES**
 Last Name Owner First Name
1378 TIGLAND ROAD
 Street or RFD
CLARKSVILLE **MD 21027**
 Town State Zip

B 3 LOCATION OF WELL
HOWARD COUNTY
DUNFALMIN SUBDIVISION
 SECTION **44** LOT **4**
CLARKSVILLE NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **1 1/2** MI

DRILLER INFORMATION
Joseph L. Wayne Driller's Name
238 License No. 80
Joseph L. Wayne Well Drilling Firm Name
5512 Ridge Rd. Mt. Airy, Md. 21771 Address
Joseph L. Wayne Signature **3/3/88** Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

 TOWN

Smallwood Court/TEN OAKS ROAD NEAR WHAT ROAD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH [] WEST [] EAST [] SOUTH []
150 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
A37384 COUNTY NO.
 STATE SIGNATURE _____ DATE ISSUED _____ INSERT S _____
031858 B Nilon CO SIGNATURE **09/18/88** EXP. DATE
 NORTH GRID **504 0 0 0** EAST GRID **0809 0 0 0**

APPROXIMATE DEPTH OF WELL **300** FEET

APPROXIMATE DIAMETER OF WELL **6** INCH

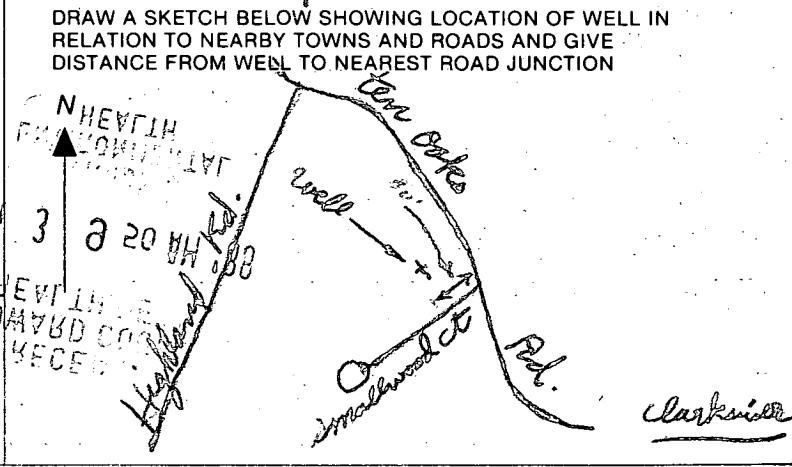
METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVERSE-ROTARY DRIVE-POINT
 other _____

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. **WELL**
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE

E	809	9
N	504	4

 3-18-88
 Dry hole = 3 bags grout
 TENadeau
 3-23-88
 No grout truck by 12:50 PM
 JEN
 14 bags cement
 50 ft open hole
 2 ft above ground
 JEN

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 (GEP USE ONLY)
 APPROP. PERMIT NUMBER _____ GAP _____
 FORCE **MD** WRITE INITIALS IN BOX PERMIT NO. **HO-81-2619**

SPECIAL CONDITIONS

COUNTY