

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 50 K (covered) CLEANOUTS S.T. OK

DISTRIBUTION BOX LEVEL OK (Balls is in)

DRAIN FIELD/TITLE DEPTH 6.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4.5 FT.

EFFECTIVE GRAVEL DEPTH 2⁺ FT. TOTAL LENGTH 95⁰ } FT. } 313⁺
101[±] }
117[±] }

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 939 SQ. FT.

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

ABSORBENT AREA 939⁺ SQ. FT.

REMARKS: 10/15/90 P.M. ALL COVERED TO PART OF DIST. BOX
OK TO COVER TO # (3) TRENCH - PARTIAL LATE P.M. OK TO
COVER # (3) TRENCH - AS FINISH. FINAL
C.B.

10/15 No W.P.I. today

DATE SYSTEM APPROVED 10/15/90 INSPECTOR Charles Bryan, Shesher

APPLICATION

SEWAGE DISPOSAL TESTING

A 43374

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 478 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 992-2330

DISTRICT 401

DATE 1-10-89

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 Richard M. Hough W. DALE Hough - 795-5396

ADDRESS 17655 Hardy Road, Mt. Airy PHONE (301) 829-0904

PROPERTY LOCATION:

SUBDIVISION Woodcamp Farms LOT NO. 22

ROAD AND DESCRIPTION 17383
17655 Hardy Road, 1000 feet± East of the intersection of
Hardy Road and Long Corner Road.

SIZE OF LOT 3.0± Acres TYPE BLDG. 3 BR/ SFD
(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.

Tracy, Schulte & Assoc. Inc. [Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED

AND RETURNED 12-12-89

[Signature] #30111 - SFD - 372/1111

THIS IS NOT A PERMIT

A# 43374

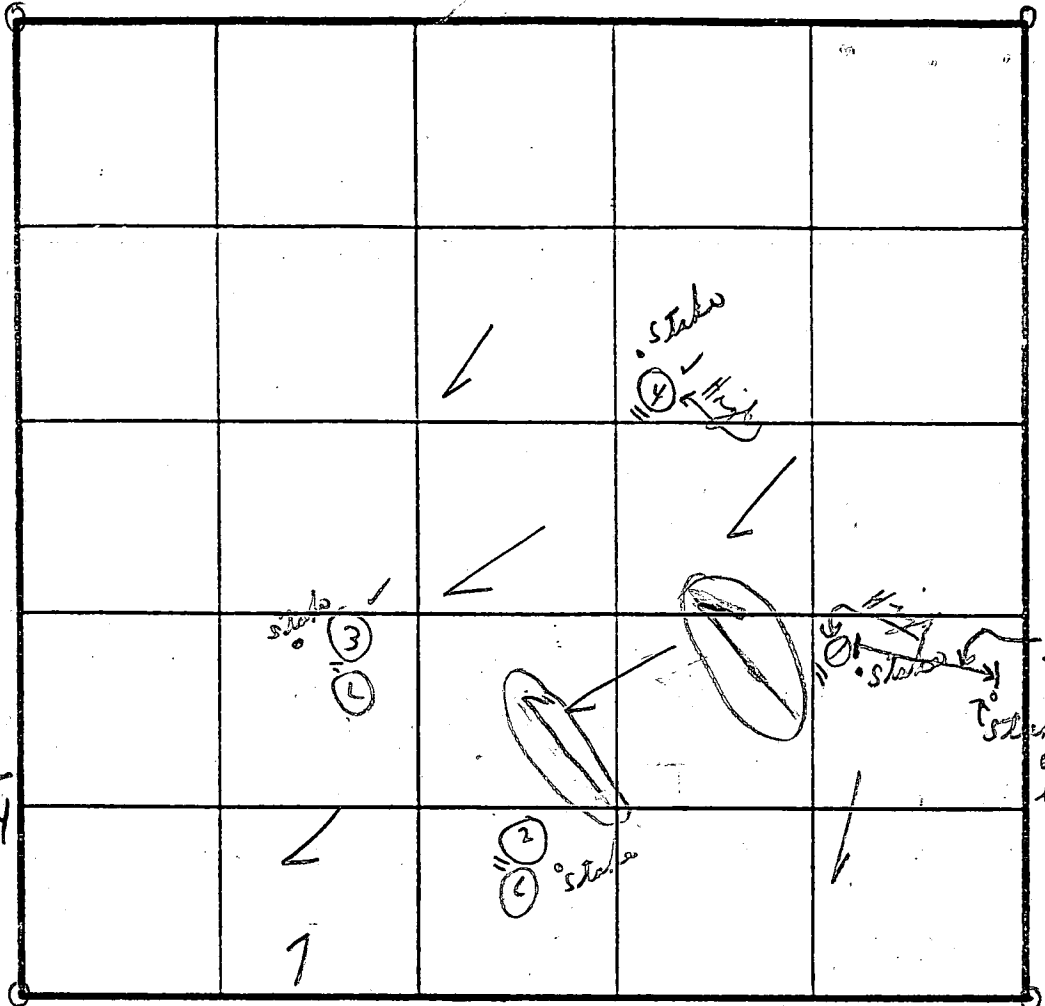
22

SOIL PROFILE

0' to 4 1/2'
 4 1/2' to ④
 12'
 Sandy
 Loam

SOIL PROFILE

0' to 4'
 Clay
 ③
 Light
 + sandy
 loam
 12' / 2



SHALLOW ONLY
 F = 9 min
 Inlet = 4.5 ft
 Bottom = 6.5 ft
 210 sqft/bdrum

Inlet 4 (see below)
 20 minute average

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

HARDY ROAD

SOIL PROFILE

0' to 6 1/2'
 ①
 2' to
 Loam
 12'
 to
 ① 12 1/2'
 solid

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/30/89	①	④ 4 1/2'	2:33	3:01	1/8" or less	See below	XX
		9'	2:32	2:33	2:33	2:36	3 min
	②	4 1/2'	2:37	2:48	2:48	3:08	20 min
		11'		Loam	15% ±	small weathered material	
	③	4'	2:39	2:40	2:40	2:43	3 min
		12 1/2'					
	④	4 1/2'					
		12'			4 1/2' to 12'	Loam	vesical
	①B	7'	3:06	3:09	3:09	3:20	11 min

SOIL PROFILE

0' to 4 1/2'
 clay
 ② 4 1/2'
 11'
 Loam
 85%

EH-12-1079

REMARKS: Recommend 3' wide trenches
 Tests in woods; test per stake
 [Effective area 7' to 9']
 TYPE OF SOIL: Light loam in all holes below clay
 TESTED BY: C.B.N.
 J. B. ...
 Fernando & Engineers

B 1 **2281** SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS: 3-6 ON ALL CARDS)

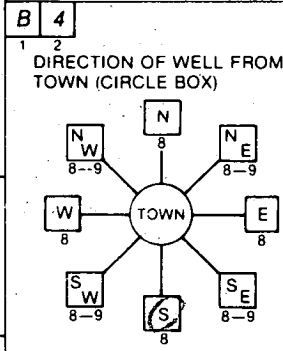
STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HD-88-0457
 fill in this form completely

Date Received (APA) **030189**
 OWNER INFORMATION
HOUGH Last Name Owner **DAAC** First Name
17520 Street or RFD
MT. PLEASANT Town **MD21771** Zip

B 3 LOCATION OF WELL
HOWARD COUNTY
WOODCAMP FARMS SUBDIVISION
 SECTION **22** LOT **22**
MT. PLEASANT NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **3** MI

DRILLER INFORMATION
Joseph L. Mayne Driller's Name **238** License No. 80
Joseph L. Mayne Well Drilling Firm Name
5512 Ridge Rd. Mt. Airy, Md. 21771 Address
Joseph L. Mayne Signature **2/25/89** Date



Hardy Road NEAR WHAT ROAD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH, WEST, SOUTH, EAST
680 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 43374** COUNTY NO.
 STATE SIGNATURE _____ INSERT S _____
 DATE ISSUED **031389** **Gene E. Madcan** CO SIGNATURE **9-13-89** EXP. DATE
 NORTH GRID **548000** EAST GRID **0766000**

APPROXIMATE DEPTH OF WELL **240** FEET

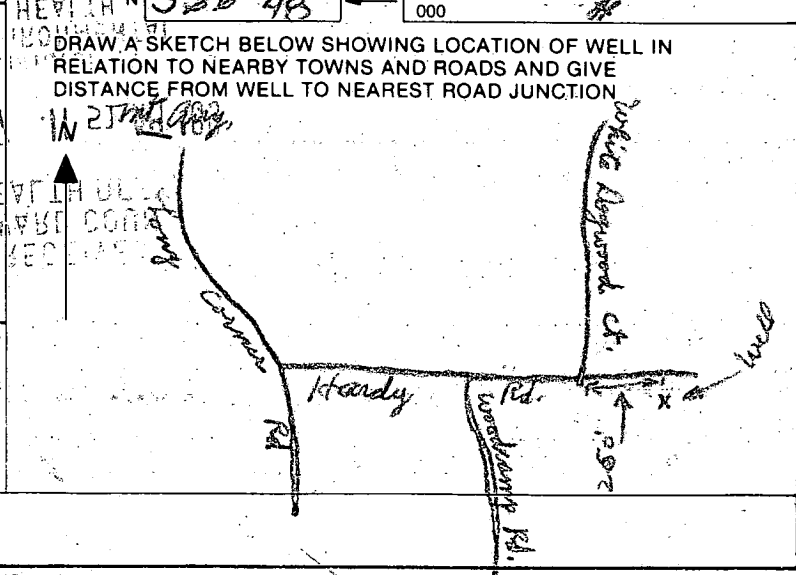
APPROXIMATE DIAMETER OF WELL **6** INCH

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

3/21/89 9:30
WELL GROUT OK
SEE OTHER SIDE
RH

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 **G A P**
 FORCE **JN** WRITE INITIALS IN BOX PERMIT NO. **HD-88-0457**

SPECIAL CONDITIONS

- ① Arrived after Court obtained information from Judy
- ② 100 ft casing
- ③ 15 bags
- ④ 50 ft open hole

HEALTH
ENVIRONMENTAL

3/29/89

88. APR 27 11 52 AM '89

PH 1118 AM

RECEIVED
HOWARD COUNTY
HEALTH DEPT

C1 2339

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 43374

DATE Received

DATE WELL COMPLETED 032989

Depth of Well 22 265 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 10-88-0957

OWNER Hough Dale last name first name STREET OR RFD Hough Dale Road TOWN Mt Airy SUBDIVISION Houghdale Farms SECTION LOT 22

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: Broken Shell 0-93, Blue Rock 93-365.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 15 NO. OF POUNDS 1110 GALLONS OF WATER 90 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 50 ft.

CASING RECORD casing types insert appropriate code below MAIN Nominal diameter Total depth CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot) ST 6 100

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 STEEL BRASS OPEN HOLE BRONZE HOLE PLASTIC OTHER

DEPTH (nearest ft.) EACH SCREEN 1 H0 98 365 2 3 4 5

A 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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 2339 DRILLERS SIGNATURE George L. Marjano (MUST MATCH SIGNATURE ON APPLICATION)

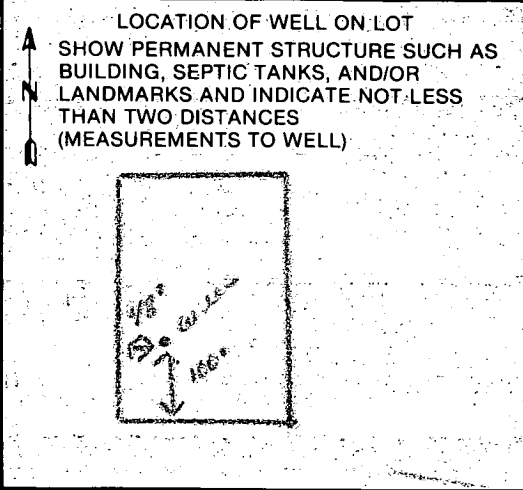
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

TELESCOPE CASING LOG INDICATOR OTHER DATA T (E.R.O.S.) WQ 70 72 74 75 76

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 475 METHOD USED TO MEASURE PUMPING RATE Rocket WATER LEVEL (distance from land surface) BEFORE PUMPING 38 WHEN PUMPING 215 TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible

PUMP INSTALLED DRILLER WILL INSTALL PUMP (CIRCLE) 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: 29 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) + above } LAND SURFACE 2 (nearest foot) - below }



10/16/90

10/16/90
Final
OK
C.B.

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
LINE

New Installation
Replacement

Receipt # 46210
Date 8/7/90

Name of Installer CLARKE PTH INC

Telephone 489-4029

License Number _____
Certified Well Pump Installer _____ Well Driller _____ Registered Plumber 3808

Name of Property Owner W. DALE HOUGH Telephone 795-5596
Subdivision Woodcamp Farm Lot # 22 Well Tag # H0-88-0457
Site Address 12383 Hardy Rd

10/16/90

Pump

- Type
 - Deep well jet _____
 - Shallow well jet _____
 - Submersible
- Make Goolds
- Model # _____
- Capacity _____ GPM
- Pump exceeds well capacity Yes _____ No _____
- If Yes, is low pressure cutoff switch installed? Yes _____ No _____
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards Other _____

Motor

- Horsepower _____
- RPM _____
- Voltage _____
 - 110 _____
 - 220

Pitless Adapter

- Make _____
- Model # PT 800
- Depth _____

Tank

- Capacity 66 gal
- Pressure relief valve? 7516

Piping

- Type Plastic
- Size 1"
- NSF and/or BOCA Code approved _____
- Depth of supply line 42"

Well data

- Depth _____ ft.
- Yield _____ GPM
- Static water level _____ ft.
- 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: Kenneth C. Clarke

Date: 7-26-90

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

HARDY ROAD

23

LOT 28

44196

NOTE!

DUE TO GARAGE ON LOW SIDE, GAR. 2' BELOW FIRST FLOOR. GAR. WILL NEED 3' FILL ADJUST GAR. OR BSMT. BSMT 116.5 = 2' ABOVE SEWER INVERT

TRENCH

2: 3' wide 2' DEPTH TOTAL (20' LENGTH)

EXIST. EL. 715.8
IN. 711.3

TANK

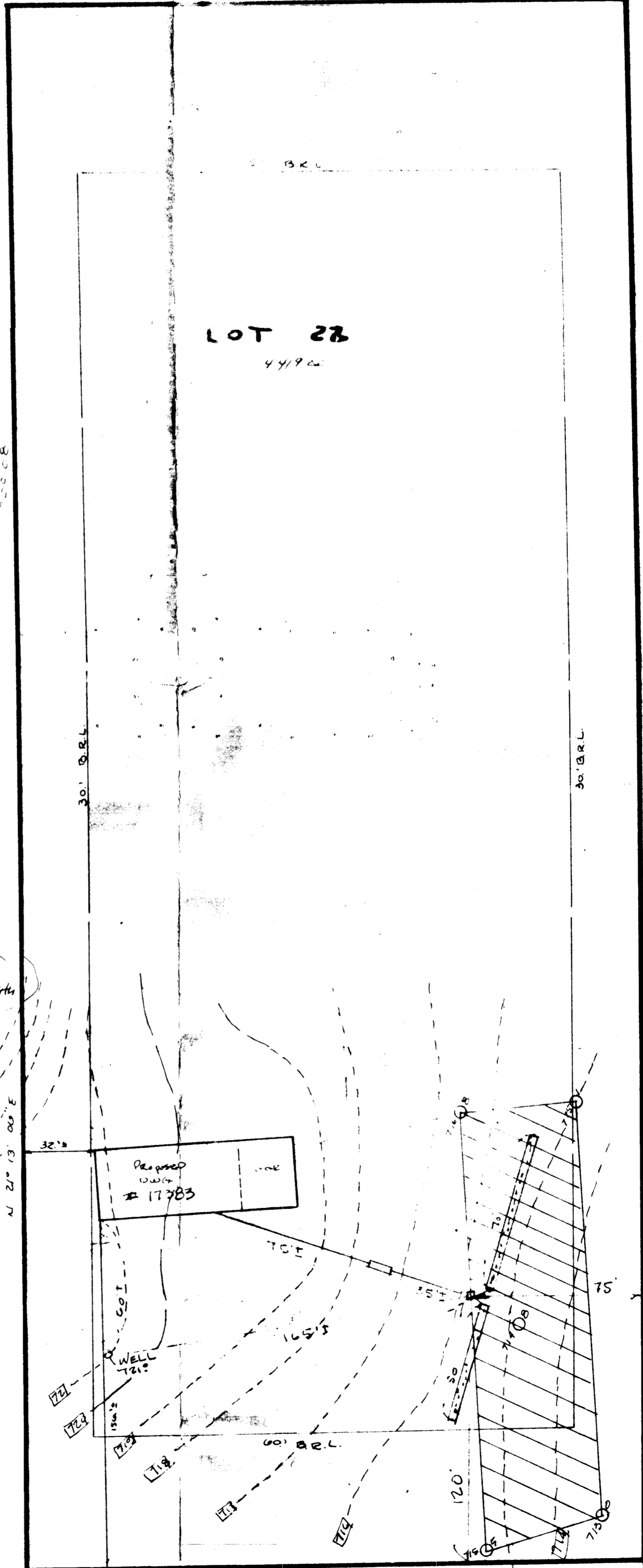
EXIST. 717.5
IN. IN. 712.4
IN. OUT 712.0

IN AT HOUSE 713.5
BSMT 715.0
F.F. 723.5
GAR 722.5

LOT 28
WOODCAMP FARM
LOTS 21 THRU 23
RESUB. OF LOT 3
4TH ELECTION DISTRICT
HOWARD COUNTY, MD.

DATE: 9/13/1989
SCALE: 1"=40'

12-5-1989
W.P.
Permit No. 30111

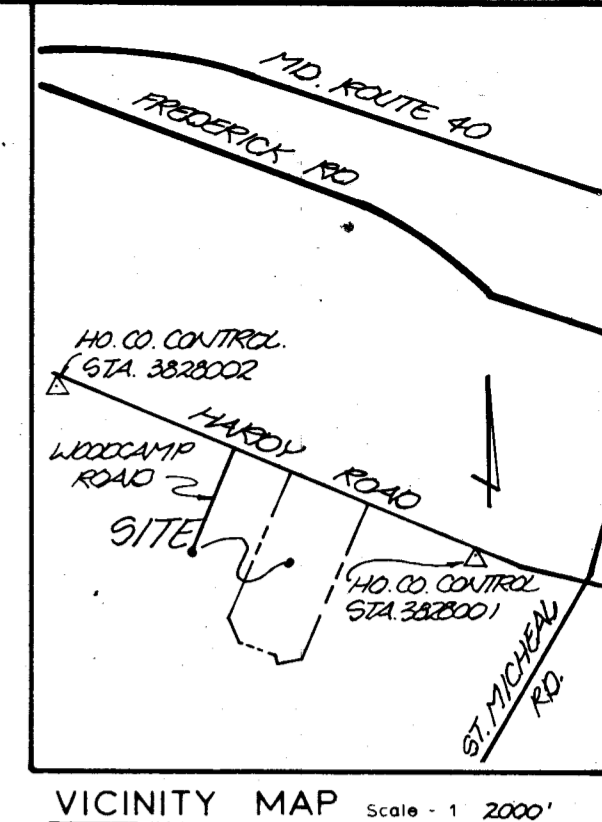
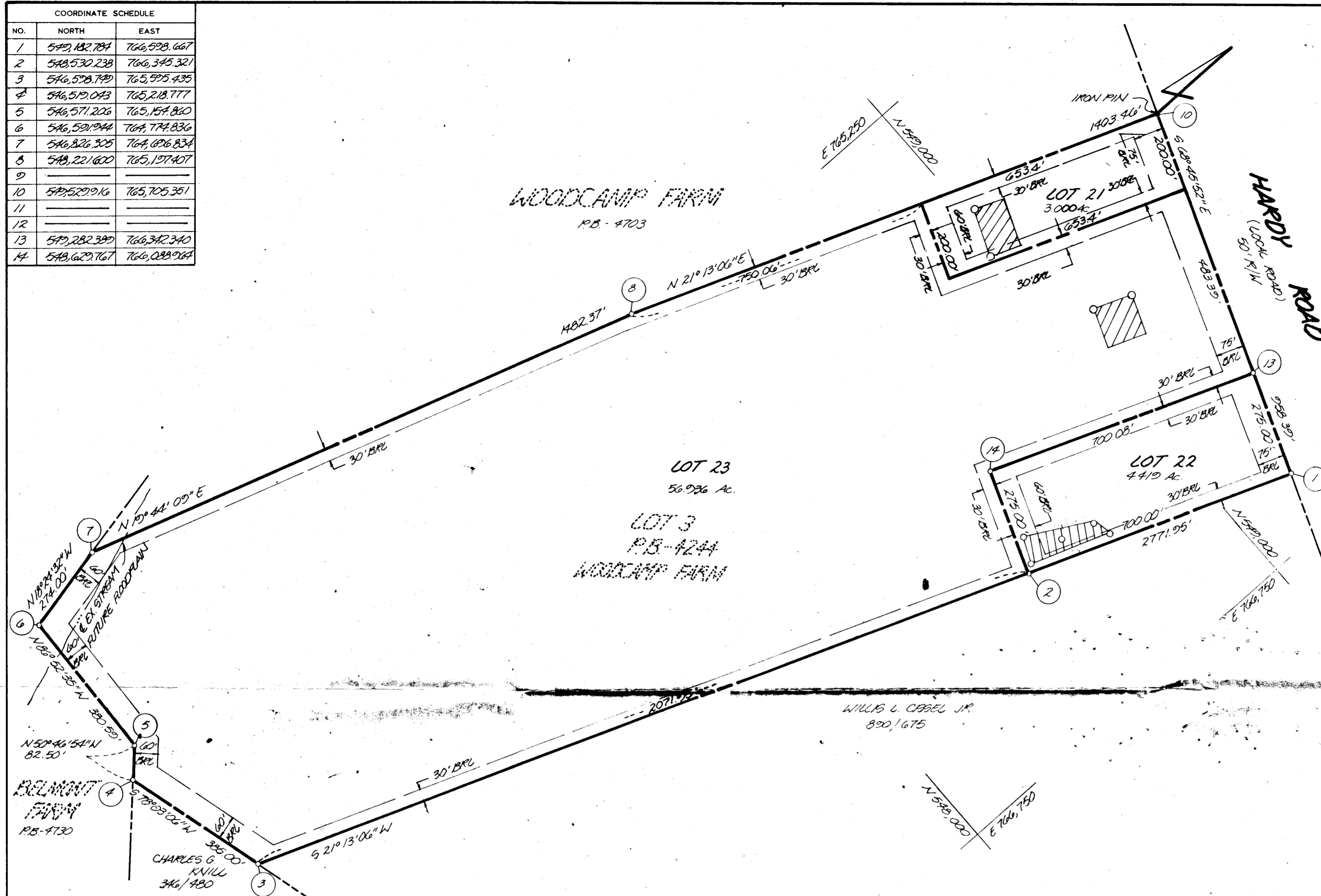


10620 GUILFORD
20794

12/12/89

REVISED PLANS OK

COORDINATE SCHEDULE		
NO.	NORTH	EAST
1	549,182.784	766,598.667
2	548,530.238	766,345.321
3	546,528.749	765,595.435
4	546,519.043	765,218.777
5	546,571.226	765,154.860
6	546,521.244	764,774.836
7	546,826.305	764,626.834
8	548,221.600	765,127.407
9		
10	548,529.916	765,705.351
11		
12		
13	549,282.399	766,342.340
14	548,620.767	766,089.767



- GENERAL NOTES**
- 1) Tax Map - 7 Parcel - 485
 - 2) Deed Reference 908/283
 - 3) Coordinates shown hereon are based on Maryland State Plane coordinate system, Howard County control station 3828001 & 3828002.
 - 4) Subject property zoned - R per 8-02-85 Comprehensive Zoning Plan.
 - 5) ● Designates iron pin set
 - 6) The lots shown hereon comply with the minimum ownership width and lots required by the Maryland State Department of Health and Mental Hygiene.
 - 7) This area designated a private sewage easement of approximately 10,000 sq ft as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewerage is available and servicing any residential structures constructed on these building sites. These easements shall become null and void upon connection to a public sewerage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewer easement. Recordation of a modified sewage easement shall not be necessary.
 - 8) All percolation test holes shown hereon have been field located and shown thus (o)
 - 9) For flag or pipestem lots, refuse collection, snow removal and road maintenance are provided to the junction of the flag or pipestem and the road right-of-way line, and not onto the flag or pipestem lot driveway.
 - 10) Flag or pipestem lots shall not be further subdivided into lots accommodating additional residences unless a public road can be constructed according to county standards on a minimum fifty (50) foot right-of-way to be deeded to the County.
 - 11) THERE ARE EXISTING DWELLINGS ON LOTS 21 & 23.
 - 12) THIS PLAT IS SUBJECT TO WIP-88-83, WHICH ALLOWS FOR THIS PLAT TO BE PREPARED AT A SCALE OF 1"=200'.

AREA TABULATIONS

TOTAL NUMBER OF LOTS TO BE RECORDED	3
TOTAL AREA OF LOTS TO BE RECORDED	64,355 Ac.
TOTAL AREA OF ROADWAYS TO BE RECORDED INCLUDING WIDENING STRIPS	N/A
TOTAL AREA OF OPEN SPACE TO BE RECORDED	N/A
TOTAL AREA OF FLOODPLAIN TO BE RECORDED	N/A
TOTAL AREA OF SUBDIVISION TO BE RECORDED	64,355 Ac.

OWNER
 WILLIAM DALE HOUGH
 17520 HARDY ROAD
 MT. AIRY, MARYLAND 21771

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] 10-25-88
 HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 [Signature] 1.11.89
 PLANNING DIRECTOR DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 12/28/88
 DIRECTOR DATE

OWNER'S STATEMENT

We, WILLIAM DALE HOUGH and LINDA G. HOUGH, owners of the property shown and described hereon, hereby 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 lines and grant 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 and under all roads and street rights-of-way and the specific easement areas shown hereon, 2) the right to require dedication for public use, the beds of the streets and/or roads and floodplains 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 beds of the streets and/or roads and floodplains, storm drainage facilities and open space where applicable, 3) the right to require dedication of waterway and drainage easements for the specific purpose of their construction, repair and maintenance, and 4) that no building or similar structure of any kind shall be erected on or over the said easements and rights-of-way.

Witness my/our hands this 4th day of April, 1988

[Signature] [Signature]
 Dennis M. Bush William D. Hough
 WITNESS DATE

SURVEYOR'S CERTIFICATE

I hereby certify that the final plat shown hereon is correct, that it is a SUBDIVISION of ALL of the lands conveyed by RICHARD M. HOUGH, ET AL TO WILLIAM DALE HOUGH & LINDA G. HOUGH, HIS WIFE by deed dated OCT 16, 1978 and recorded in the Land Records of Howard County, Maryland in Liber 908 at Folio 283 and that all monuments are in place as shown in accordance with the Annotated Code of Maryland, as amended.

[Signature] 4-4-88
 William G. Hartel Date
 William G. Hartel, Professional Land Surveyor, MD No 9436

STATE OF MARYLAND
 WILLIAM G. HARTEL
 LAND SURVEYOR
 10000
 10000
 10000

RECORDED AS PLAT 8556 ON 1-13-89 AMONG THE LAND RECORDS OF HOWARD COUNTY, MD.

WOODCAMP FARM
 LOTS 21 THRU 23
 A RESUBDIVISION OF LOT 3
 F-88-222

SIGNED
 FILE COPY

TAX MAP - 7
 EX ZONING - R
 ELECTION DISTRICT - 4TH
 HOWARD COUNTY, MARYLAND
 SCALE - 1"=200'
 DATE - MARCH, 1988
 O P & Z FILE NOS. - W.P. 88-8
 F-79-106

boender associates inc.
 consulting engineers
 land surveyors
 land planners

COURTHOUSE SQUARE
 3565 ELLICOTT MILLS DRIVE
 ELLICOTT CITY, MD. 21043
 (301) 465-7777