

LAYOUT 1/9/03 830-930 INSP 4 _____
 INSP 2 1/19/03 10AM INSP 5 _____
 INSP 3 1/16/03 1pm INSP 6 _____

ISSUE DATE: 1/7/2003

APPROVAL DATE: 6/4/03

**PERMIT
INDEXED**

P 518 505

A 514254 -A

RPS# 262355

**ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH**

Mark F Kovach IS PERMITTED TO INSTALL ALTER

ADDRESS: 4877 Montgomery Rd, Ellicott City PHONE NUMBER: 410-418-8338

SUBDIVISION: Woods @ Patapsco Rim LOT NUMBER: 1

ADDRESS: 8415 Old Fredrick Road PROPERTY OWNER: Mark Kovach

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 240 HOUSE SERVED BY PUBLIC WATER

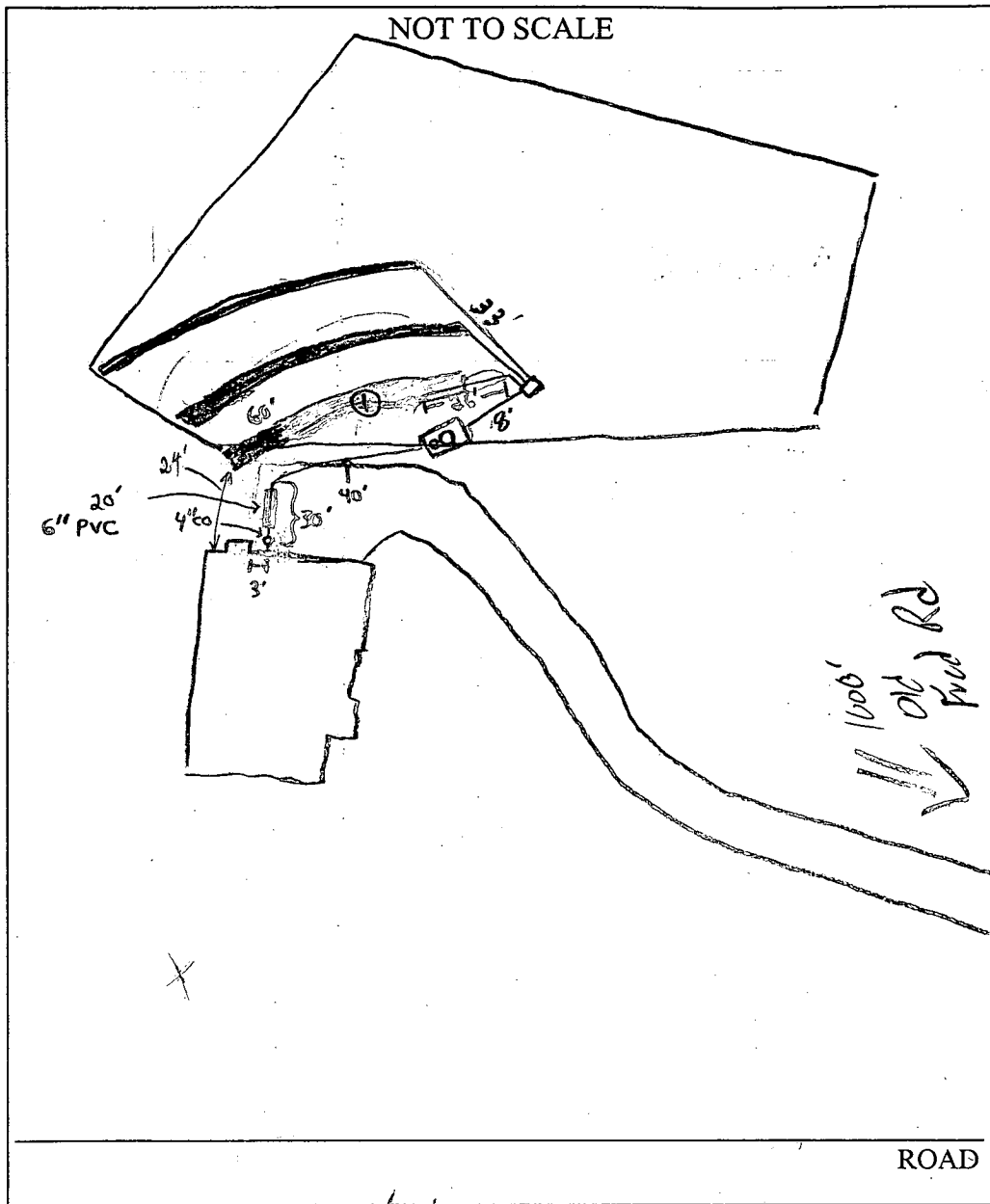
TRENCHES:	Trench to be <u>2.0</u> feet wide. Inlet 2.0 feet below original grade. Bottom maximum depth 4.0 feet below original grade. Effective area begins at 3.0 feet below original grade. <u>1.5</u> feet of stone below distribution pipe.
LOCATION:	Place the distribution box approximately as shown on the building permit plan <u>plan</u> . Run trenches on contour towards the house.
NOTES:	The pipe under the driveway area shall be sleeved or graveled. The trenches should be 10' center to center. Trenches can not be deeper than 4'. If this can not be accomplished by gravity then a pumped system is required.

PLANS APPROVED: Brian Baker OK/MR DATE: 8/16/2002

NOTES: PERMIT VOID AFTER 2 YEARS
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
 WATERTIGHT SEPTIC TANKS REQUIRED
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED
 CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS
 RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
 ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

AS14254-A



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	2	4
NUMBER OF TRENCHES		3
TOTAL LENGTH		
ABSORPTION AREA		
DISTRIBUTION BOX LEVEL		✓
DISTRIBUTION BOX BAFFLE		✓
DISTRIBUTION BOX PORT		NA

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	✓
CAPACITY	1250 GAL
SEAM LOC	TS
TANK LID DEPTH	2'
BAFFLES	✓
BAFFLE FILTER	NA
MANHOLE LOC	center
6" PORT LOC	front
WATERTIGHT TEST	NA
SEPTIC TANK 2 LEVEL	NA
CAPACITY	↑ GAL
SEAM LOC	↓
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	↓

PRE-CONSTRUCTION 1/4/02 Should be 3' wide trench, Lot staked, Contour not as shown, must shoot (SO)

INSTALLATION 1/15/03 - INSTALLER REPORTS SEVERE ROCK ENCOUNTERED ON TANK HOLE EXCAVATION & AT BEGINNING OF TRENCH 1, FURTHER EXCAVATION PROVES SOILS TO BE OK, CONTINUE TO WORK CALL IF ROCK IS ENCOUNTERED AGAIN; INSTALLER TO PLACE 10' SOLID PVC TO ISOLATE ROCK AT BEGINNING OF FIRST TRENCH (SRV)

1/16/03 - 2nd trench installed, rock @ beginning 5' (SO) 1/16/03 working on 3th trench (SO) 6/4/03 FINAL INSP NOT RECORDED; OWNER REPORTS SYSTEM COMPLETED W/SATISFACTORY SOILS; FINAL APPROVAL GRANTED (MR)

FINAL INSPECTOR M. Ripkin DATE OF APPROVAL 6/4/03

GENERAL NOTES:

- 1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INSOFAR AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE COMTEMPLATED TRANSFER, FINANCING OR REFINANCING OF THE PROPERTY SHOWN HEREON. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS LOCATION DRAWING IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS LOCATION DRAWING DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING FOR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 240044001B EFFECTIVE DEC. 4, 1996.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 1' (+)
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.



OLD FREDERICK ROAD
 (32.5' WIDE MAJOR COLLECTOR)

PRIVATE WATER, SEWER, STORMWATER
 MANAGEMENT AND STORMWATER ACCESS AND
 UTILITY EASEMENT

PRIVATE 24' WIDE USE-IN-COMMON ACCESS
 EASEMENT ACROSS LOTS 1 AND 2 FOR THE USE
 AND BENEFIT OF LOTS 1 AND 2. MAINTENANCE
 AGREEMENT RECORDED AMONG THE LAND RECORDS
 OF HOWARD COUNTY, MARYLAND.

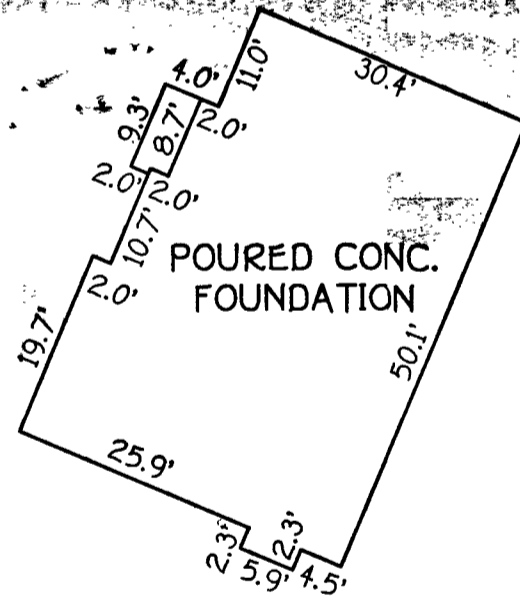
LOT 1
 BOENDER PROPERTY
 LOTS 1-4
 PLAT NO. 3748

LOT 2

12/24 + 12/30/02
 MR
 WALL CHECK
 SHOWS HOUSE MOVED
 10' TOWARD SDA;
 BP AMENDMENT
 REQ'D

PROPERTY OF
 RICHARD E. BOSWELL
 LIBER 681, FOLIO 25

PROPERTY OF
 T. W. ELLISON
 LIBER 549, FOLIO 378



DETAIL:
 1"=20'

B.R.L. = BUILDING RESTRICTION LINE
 TOP OF FOUNDATION ELEV. 443.44'



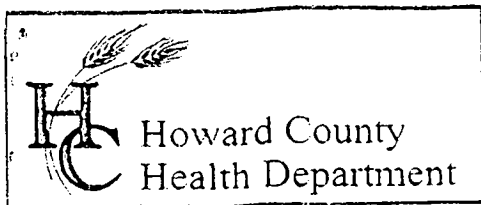
PROFESSIONAL LAND SURVEYOR
 REG. 382
 DATE 11/29/02

**HOUSE LOCATION
 DRAWING**

FOUNDATION LOCATION: 11/26/02
 FINAL LOCATION:
 BOUNDARY SURVEY:

SCALE: 1"=50'
 DATE: 11/29/02
 DRAWN BY: A.K.O.
 CHECKED BY: S.R.P.
 PROJECT No. 30729

LOT 1
 THE WOODS AT PATAPSCO RIM
 LOTS 1 AND 2
 (A RESUBDIVISION OF LOT 4, BOENDER PROPERTY,
 PLAT NO. 3748)
 SECOND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 PLAT REF. 15088



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

June 4, 2003

Mark Kovach
4877 Montgomery Road
Ellicott City, MD 21043

RE: The Woods @ Patapsco Rim, Lot # 1
8415 Old Frederick Road
BP# B00137627
PUBLIC WATER

Dear Sir/Madam:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 6/4/2003.**

The property is served by public water and is therefore exempt from the Health Department water sampling requirements.

By issuance of this letter, this office recommends release of the Use and Occupancy permit for the referenced property.

Approving Authority

Mark E. Rifkin
Registered Environmental Sanitarian
Well & Septic Program

sjn
cc: Building Inspector's Office
File

EX. GRADE	439.8
INV IN	437.8
S.T. OUT	438.0
IN	438.3
GRD	440
HSE OUT	439.8
w/pipe as orig drawn	
HSE OUT	439.3
w/pipe under pad	

Total linear feet of trench required 240 feet

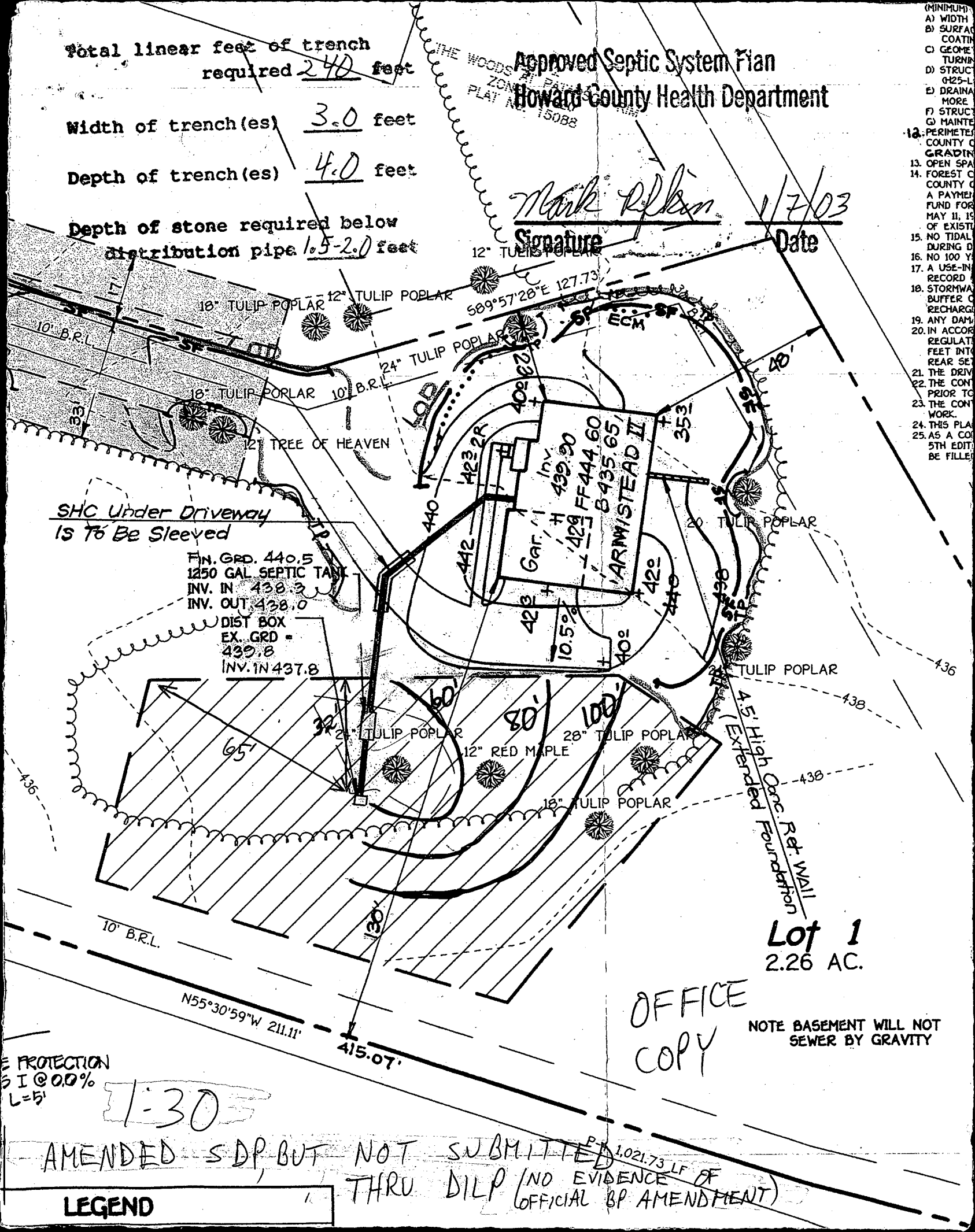
Width of trench(es) 3.0 feet

Depth of trench(es) 4.0 feet

Depth of stone required below distribution pipe 1.5-2.0 feet

Approved Septic System Plan Howard County Health Department

Mark Pflaum
Signature 1/7/03
Date



- (MINIMUM)
- A) WIDTH
- B) SURFACE
- COATING
- C) GEOMETRIC
- TURNING
- D) STRUCTURE
- G25-L
- E) DRAINAGE
- MORE
- F) STRUCTURE
- G) MAINTENANCE
- 12. PERIMETER
- COUNTY OF
- GRADING
- 13. OPEN SPACE
- 14. FOREST
- COUNTY OF
- A PAYMENT
- FUND FOR
- MAY 11, 19
- OF EXISTING
- 15. NO TIDAL
- DURING D
- 16. NO 100 Y
- 17. A USE-IN
- RECORD
- 18. STORMWATER
- BUFFER OR
- RECHARGE
- 19. ANY DAM
- 20. IN ACCOR
- REGULAT
- FEET INTO
- REAR SET
- 21. THE DRIV
- 22. THE CON
- PRIOR TO
- 23. THE CON
- WORK
- 24. THIS PLA
- 25. AS A CO
- 5TH EDIT
- BE FILLED

SHC Under Driveway
Is To Be Sleeved

FIN. GRD. 440.5
1250 GAL SEPTIC TANK
INV. IN 438.3
INV. OUT 438.0
DIST BOX
EX. GRD. 439.8
INV. IN 437.8

PROTECTION
S I @ 0.0%
L=5'

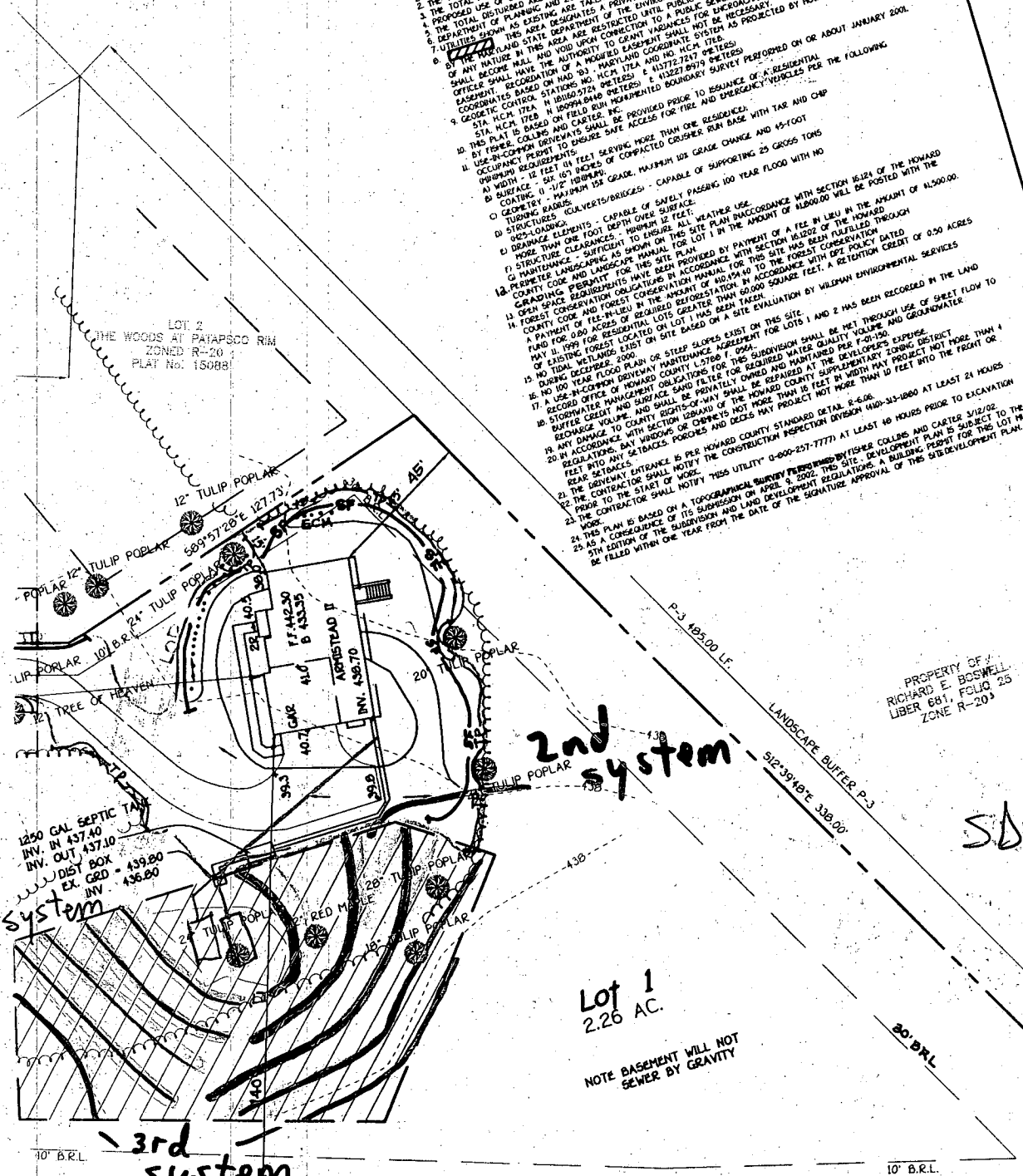
1-30

AMENDED SDP, BUT NOT SUBMITTED THRU DILP (NO EVIDENCE OF OFFICIAL BP AMENDMENT)

LEGEND

General Notes

1. THE PROPERTY IS ZONED R-20 PER THE 10/18/93 COMPREHENSIVE ZONING PLAN.
2. THE TOTAL NUMBER OF LOTS INCLUDED IN THIS SUBDIVISION IS 26 AC.
3. THE TOTAL NUMBER OF LOTS BEING DETACHED UNITS.
4. PROPOSED USE OF SITE IS SINGLE FAMILY DETACHED UNITS.
5. THE TOTAL DISTURBED AREA IS 0.65 ACRES. REFERENCE FILE NUMBERS ARE T-01-150, W. COHT. 14-3799-9 & F-01-187.
6. THE TOTAL OF PLANNING AND ZONING DEPARTMENT'S PRIVATE SEWERAGE LAYOUT OF 10,000 SQUARE FEET AS REQUIRED BY THE DISTRICT.
7. UTILITIES SHOWN AS EXISTING ARE DESIGNATED AS PRIVATE SEWERAGE LAYOUT AS AVAILABLE. THESE EASEMENTS ARE TO BE MAINTAINED BY THE DISTRICT.
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PROPERTY OF
RICHARD E. BOSWELL
LIBER 881, FOLIO 25
ZONE R-20

SDP-02-108



LOT 2, 3 AND 4
PROPERTY
No. 3748

HEREON ARE BASED ON FIELD LOCATIONS
AND ARE CORRECT TO THE BEST OF

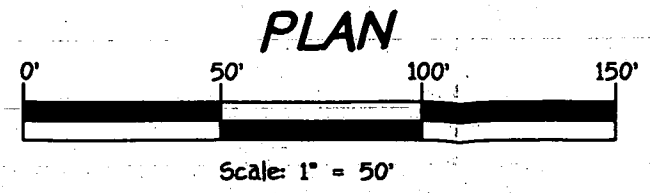
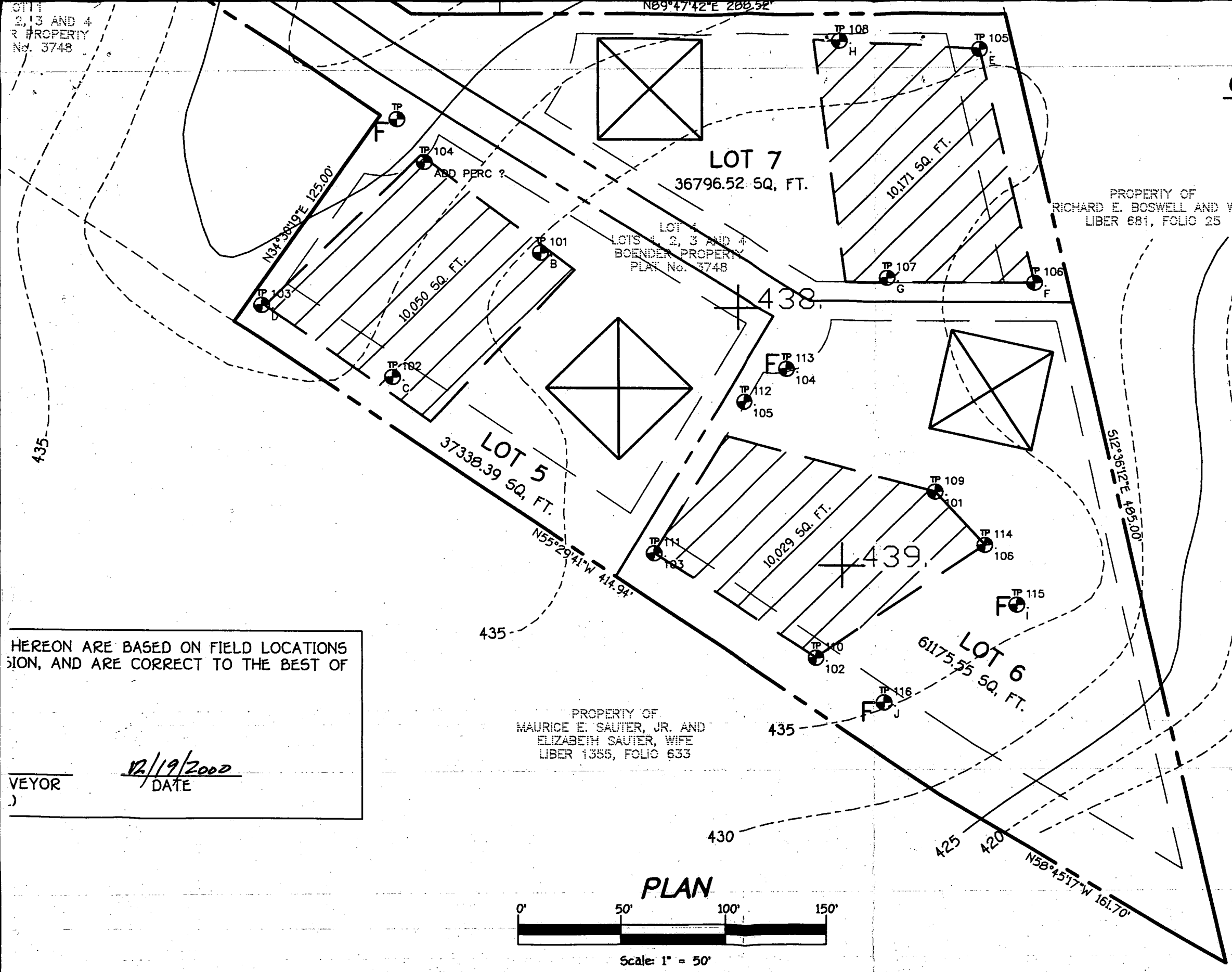
VEYOR
DATE 12/19/2000

APPROVED FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT.

County Health Officer
DATE 12/21/00

- GENERAL NOTES:**
1.  THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH DEPARTMENT SHALL HAVE THE AUTHORITY TO GRANT VARIANCE FROM THE REQUIREMENT INTO THE PRIVATE SEWERAGE EASEMENT. REVISIONS OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE GRANTED.
 2. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 3. ALL WELLS AND SEPTIC SYSTEM WITHIN 100 FEET OF THE PERCOLATION EASEMENT HAVE BEEN SHOWN.
 4. SUBJECT PROPERTY SHALL BE SERVICED BY PUBLIC SEWERAGE (CONTRACT NO. 14-3799-D)
 5.  DENOTES PERC HOLE LOCATION ("F" DENOTES FUTURE PERC HOLE LOCATION)
 6. OWNER & DEVELOPER:

MR. MARK KOVACH
4877 MONTGOMERY ROAD
ELLCOTT CITY, MARYLAND 21043



Signed
PERCOLATION CERTIFICATE

The Woods at Park

TAX MAP No. 18 ZONED: R-20

SECOND ELECTION DISTRICT HOWARD COUNTY

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OLD FREDERICK ROAD
(32.5' WIDE, 114.00' COLLECTOR)

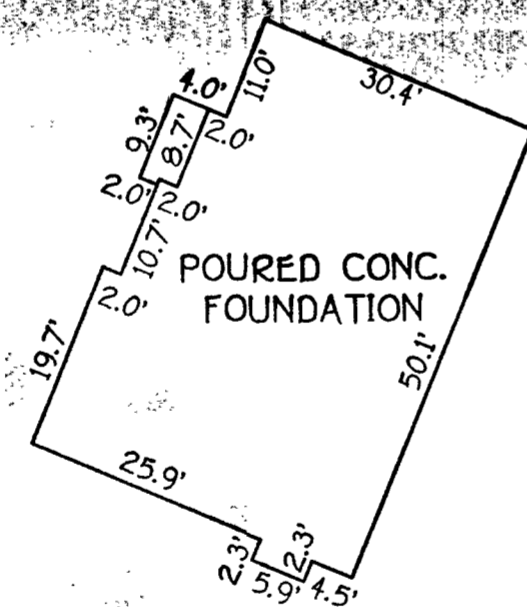
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AGREEMENT RECORDED AMONG THE LAND RECORDS
OF HOWARD COUNTY, MARYLAND.

LOT 1
BOENDER PROPERTY
LOTS 1-4
PLAT NO. 3740

LOT 2

PROPERTY OF
RICHARD E. BOSWELL
LIBER 601, FOLIO 25



DETAIL:
1"=20'

PROPERTY OF
T. W. ELLISON
LIBER 549, FOLIO 370

**HOUSE LOCATION
DRAWING**

FOUNDATION LOCATION: 11/26/02
FINAL LOCATION:
BOUNDARY SURVEY:

SCALE: 1"=60'
DATE: 11/29/02
DRAWN BY: A.K.O.
CHECKED BY: S.R.P.
PROJECT No.: 30729

LOT 1
THE WOODS AT PATAPSCO RIM
LOTS 1 AND 2
(A RESUBDIVISION OF LOT 4, BOENDER PROPERTY,
PLAT NO. 3740)
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT REF. 15000



PROFESSIONAL LAND SURVEYOR
REG. 582
DATE 11/29/02

B.R.L. = BUILDING RESTRICTION LINE
TOP OF FOUNDATION ELEV. 443.44±

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461-2855

House
15' 20'
FROM SDA
(K.O.)

12-31-02
SEPTIC INSTALLER
SAID SDA EDGE
CLOSEST TO DRIVEWAY
IS MARKED OFF TO
HELP PREVENT PAVEMENT
OF DRIVE OVER SDA.
HOUSE MOVED 10'-SEPTIC
INSTALLER SAID THIS PLAN CORRECT.

Kovach
Residence