

LAYOUT 4/1/03 9:30am INSP 4 _____
 INSP 2 4/2/03 12:30pm INSP 5 _____
 INSP 3 _____ INSP 6 _____

RPS# 339769
 03- P 518567

ISSUE DATE:

APPROVAL DATE: 4/2/03

PERMIT INDEXED

A 516881

**ON-SITE SEWAGE DISPOSAL SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 BUREAU OF ENVIRONMENTAL HEALTH
 3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MD 21043**

Cody Kittleman IS PERMITTED TO INSTALL ALTER

ADDRESS: 3106 FOX VALLEY DRIVE PHONE NUMBER: 410-463-3585

SUBDIVISION: Kittleman Property LOT NUMBER: 2

ADDRESS: ³¹⁰⁶ Fox Valley Drive PROPERTY OWNER: Cody Kittleman

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED
~~2000~~

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

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

$$\frac{180 \times 6}{2} \times .36 = \sim 195'$$

LINEAR FEET OF TRENCH REQUIRED: 180^{OK} HOUSE SERVED BY PUBLIC WATER

| | |
|-----------|--|
| TRENCHES: | Trench to be 2.0 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 7.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 4.0 feet of stone below distribution pipe. |
| LOCATION: | Place the distribution box as shown on plan. Run two trenches on contour, the first trench 90 feet long and the second trench 100 feet long. <u>2-90' trenches</u> |
| NOTES: | Gravity basement service is not proposed. Two 1000 gallon septic tanks proposed and accepted; will work as a compartmented tank. Use large #2 clean stone in trenches. ² <u>or 2000 gallon tank</u> |

PLANS APPROVED: KN OK SRK 3/31/03 DATE: 1/29/03

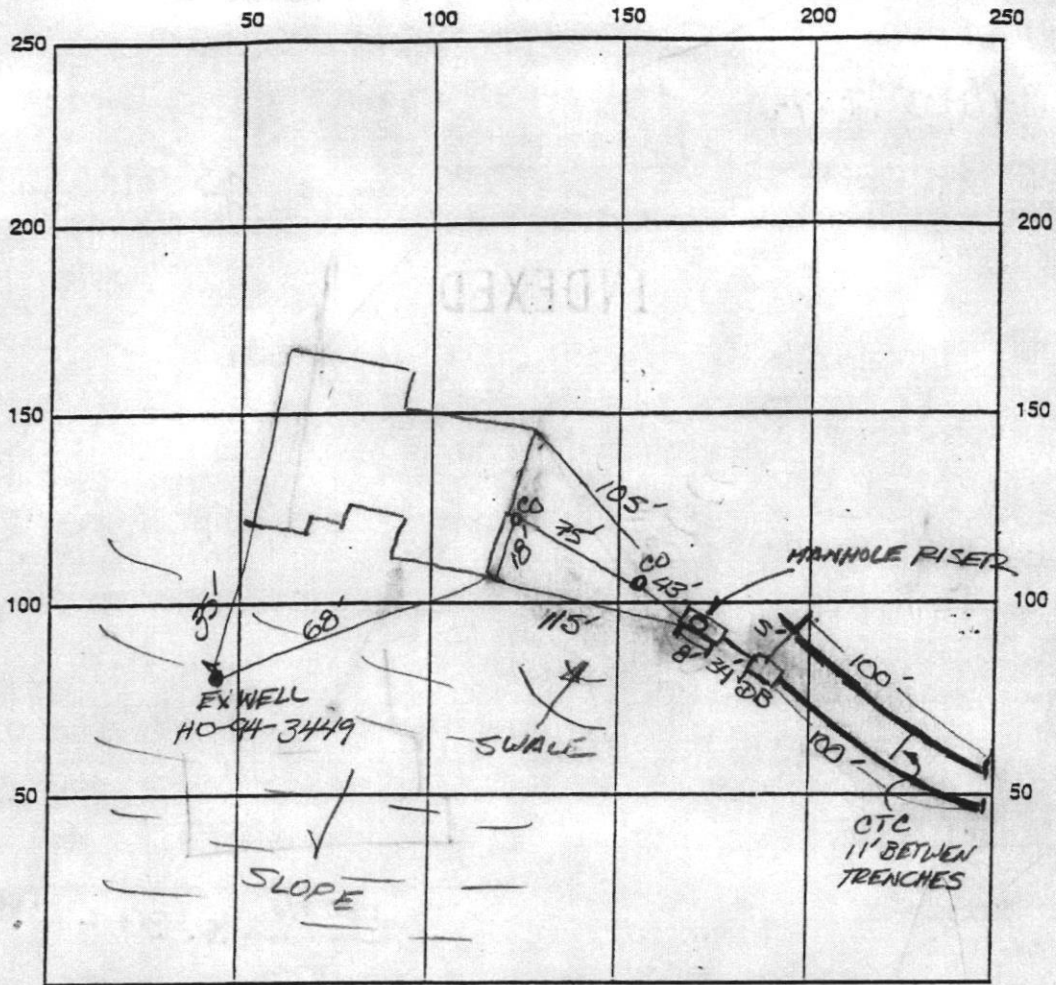
NOTES: PERMIT VOID AFTER 2 YEARS
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
 WATERTIGHT SEPTIC TANKS REQUIRED
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS 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 CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM DO NOT LEAVE ANY REQUEST FOR INSPECTION ON VOICEMAIL

BUILDING PERMIT SIGNED AND RETURNED

3/24/03 UG PROPANE TANK B00140789

A516881



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

4" at house, 4" in line
Manhole on center

SEPTIC TANK LEVEL YES - 1250 T.S. CLEANOUTS YES

DISTRIBUTION BOX LEVEL YES

DRAIN FIELD/TITLE DEPTH 7 1/2 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 1/2 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 200 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 4 SQ. FT.

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

ABSORBENT AREA NA SQ. FT.

REMARKS: 4/1/03 DISCUSSED ELEVATIONS AND FIELD LOCATED TANK (1500 gal) FOR
4 BEDROOM HOUSE. WELL LOCATION > 100' FROM TANK. WELL APPEARS TO HAVE BEEN
DRILLED IN DIFF. LOCATION THAN WELL SITE PLAN DATED 7/24/02, INSTALL CLEANOUTS
IN HOUSE SEWER, INSTALLER TO ENSURE 1-2% FALL IN PIPE WITHIN THE 10'
PRIOR TO S.T. EXISTS (FA/KN) 4/2/03 OK TO COVER TRENCHES (KN/FA)

BUILDING PERMIT SIGNED AND RETURNED

DATE SYSTEM APPROVED 4/3/03 INSPECTOR KN/FA

EX. 24' PRIVATE USE-IN-COMMON ACCESS EASEMENT FOR THE PROPERTY OF ROBERT H. KITTELMAN, LOT 1 AND FUTURE LOTS 2, 3 AND 4 HAS BEEN RECORDED IN THE LAND RECORDS OF HOWARD COUNTY

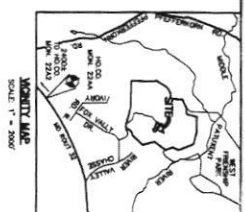
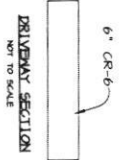
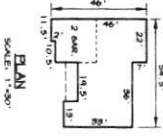
MD GRID NORTH
NAD (83)

E 1318800
N 591400

E 1318800
N 591800

E 1319100
N 591800

Approved Septic System Plan
Howard County Health Department
Michelle Howard Miller
Date



BY THE DEVELOPER:
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE CONSERVATION DISTRICT

DEVELOPER: _____ DATE: _____

BY THE ENGINEER:
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL PRESENTS A PRACTICAL AND WORKABLE PLAN UNDER THE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY CONSERVATION DISTRICT.
John S. Lee
DATE: 2-14-23

ENGINEER: _____ DATE: _____

NATURAL RESOURCES CONSERVATION SERVICE DATE: _____

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL CONSERVATION DISTRICT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT DATE: _____

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEPARTMENT OF LAND DATE: _____

CHIEF, DEVELOPMENT ENGINEERING DATE: _____

DATE: 2/14/23

OWNER / DEVELOPER: MR. ROBERT H. KITTELMAN
3104 FOX VALLEY DRIVE
NEST FRIENDSHIP, MARYLAND 21784

PROJECT: KITTLEMAN PROPERTY LOT 2

AREA: 1746 SQ. FT. 15 PARCELS, 117 300 ELECTION DISTRICT HOWARD COUNTY, MARYLAND

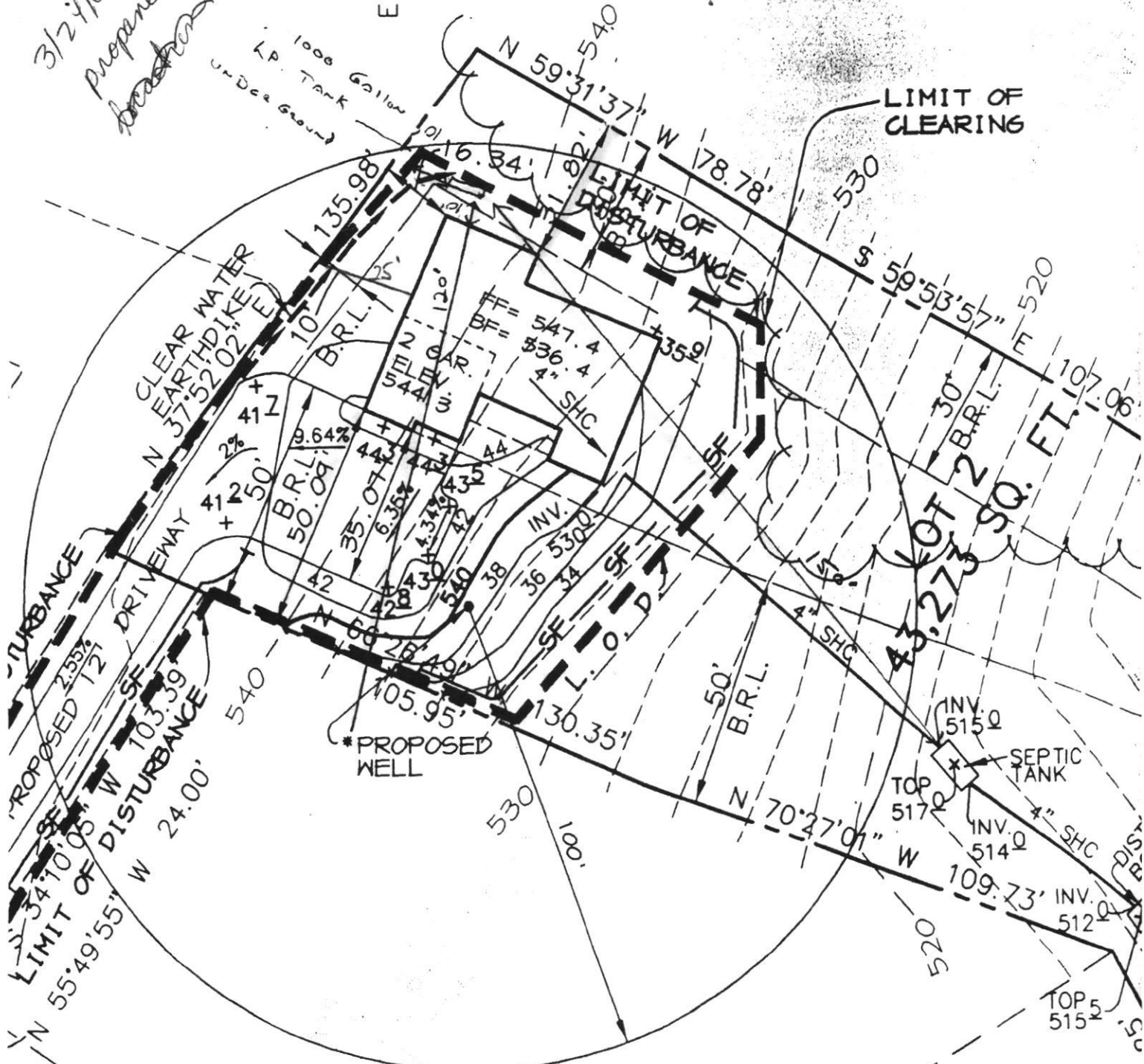
TITLE: PLOT PLAN
Pattin HERRIE ROSE & ASSOCIATES, PC
10000 RIVERSIDE DRIVE
POTOMAC, MD 20854
F 410.973.8282

DESIGNED BY: C.J.B.
DRAWN BY: J.V.A.
PROJECT NO: 11489
DATE: AUGUST 7, 2002
SCALE: 1" = 30'
DRAWING NO. 1 OF 2



3/24/03
 propane tank location OK
 (KN)

E 1318800
 N 591800



*PROVIDE BARRIER AROUND WELL
 PRIOR TO GRADING, EXTEND
 WELL CASING 5' ABOVE GRADE.

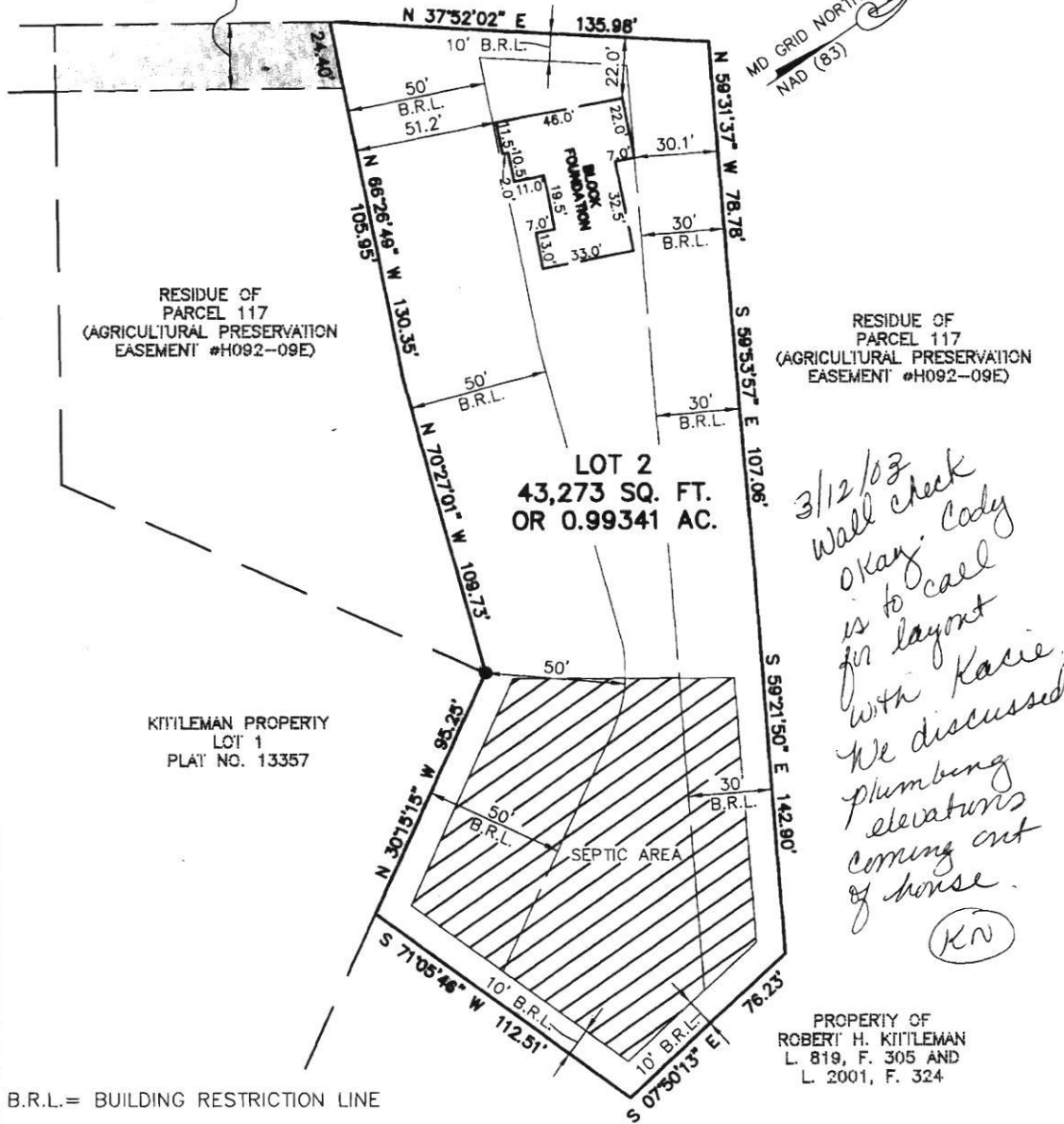
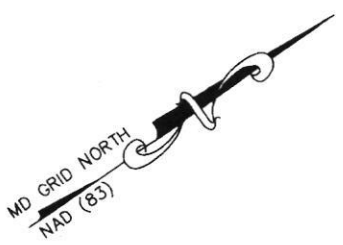
Scale

1" = 30'

Install (1) 1000 Gallon
 Above Under Ground LP Tank.
 Per NFPA 58

24' PRIVATE USE-IN-COMMON
ACCESS EASEMENT
FOR LOT 2
PLAT No. 15769
L.4475, F.496

PROPERTY OF
ROBERT H. KITTLEMAN
L. 819, F. 305 AND
L. 2001, F. 324



B.R.L. = BUILDING RESTRICTION LINE

NOTE:

- THIS PLAT IS OF BENEFIT TO A CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING, OR RE-FINANCING;
- THE PLAT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS; AND
- THE PLAT DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE.
- THE SUBJECT PROPERTY LIES IN ZONE "C" (AREA OF MINIMAL FLOODING) AS SHOWN ON F.I.R.M. MAP No. 240044 0015B DATED 12-04-86 FOR HOWARD COUNTY, MARYLAND.



Thomas L. Frazier, Jr.
THOMAS L. FRAZIER, JR.
PROFESSIONAL LAND SURVEYOR
MD REGISTRATION NO. 21097

Patton Harris Rust & Associates, pc
Engineers. Surveyors. Planners. Landscape Architects.



8818 Centre Park Drive
Columbia, MD 21045
T 410.997.8900
F 410.997.9282

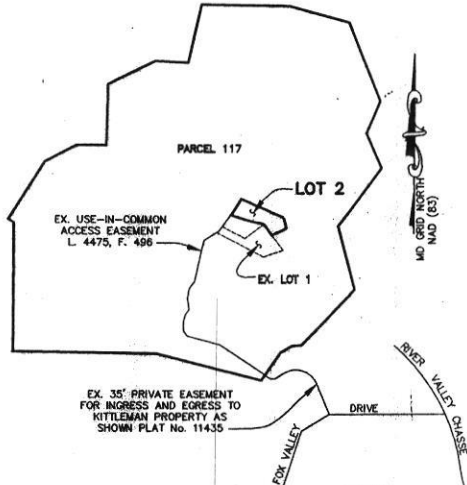
| | | | |
|--|-----------------|------------------|----------------|
| WALL CHECK DRAWING | | | |
| KITTLEMAN PROPERTY | | | |
| LOT 2 | | | |
| PLAT No. 15769 | | | |
| 3RD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND | | | |
| SCALE: 1" = 50' | PROJ. No. 11469 | DRAWN BY: H.J.M. | DATE: 03-03-03 |

COORDINATE LIST

| POINT | NORTH | EAST |
|-------|-------------|--------------|
| 4 | 591567.8705 | 1318953.9896 |
| 7 | 591656.6766 | 1318731.0854 |
| 8 | 591764.0229 | 1318814.5634 |
| 9 | 591724.0734 | 1318882.4571 |
| 10 | 591670.3927 | 1318975.0758 |
| 11 | 591597.5639 | 1319098.0292 |
| 12 | 591522.0429 | 1319108.4239 |
| 13 | 591485.5916 | 1319001.9814 |
| 14 | 591604.5892 | 1318850.5850 |

EX. 24' PRIVATE USE-IN-COMMON ACCESS EASEMENT FOR LOT 2 TO BE RECORDED

EX. 24' PRIVATE USE-IN-COMMON ACCESS EASEMENT FOR THE PROPERTY OF ROBERT H. KITTLEMAN - LOT 1 AND FUTURE LOTS 2, 3 AND 4 HAS BEEN RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, L. 4475, F. 496, WHICH ULTIMATELY CONNECTS TO FOX VALLEY DRIVE THROUGH TWO (2) PRIVATE ACCESS EASEMENTS. SEE GENERAL NOTE 20 AND 600 FOOT PLAN BELOW.



PLAN
SCALE: 1" = 600'

| TOTAL TABULATION THIS SUBMISSION | TOTALS |
|---|---------------|
| TOTAL NUMBER OF LOTS TO BE RECORDED: | |
| BUILDABLE LOTS | 1 |
| NON-BUILDABLE LOTS | 0 |
| OPEN SPACE | 0 |
| PRESERVATION PARCELS | 0 |
| TOTAL AREA OF LOTS TO BE RECORDED: | |
| BUILDABLE LOTS | 0.99341 AC. ± |
| NON-BUILDABLE LOTS | 0 |
| OPEN SPACE | 0 |
| PRESERVATION PARCELS | 0 |
| TOTAL AREA OF ROAD RIGHT-OF-WAY TO BE RECORDED INCLUDING WIDENING STRIPS: | 0 AC. ± |
| TOTAL GROSS AREA OF SUBDIVISION TO BE RECORDED | 0.99341 AC. ± |

Patton Harris Rust & Associates, P.C.
Engineers, Surveyors, Planners, Landscape Architects.

PHRA
8818 Centre Park Drive
Columbia, MD 21045
T 410.967.0900
F 410.967.9282

SURVEYOR'S CERTIFICATE

I, HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS PART OF THE LANDS CONVEYED BY ROBERT H. KITTLEMAN AND PATRICIA LEE KITTLEMAN TO ROBERT H. KITTLEMAN BY DEED DATED APRIL 20, 1977 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 819 AT FOLIO 305 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Frank K... 12/10/02
CHIEF DEVELOPMENT ENGINEERING DIVISION DATE

Thomas L. Frasier 1/10/03
DIRECTOR DATE

Thomas L. Frasier
THOMAS L. FRASIER
PROFESSIONAL LAND SURVEYOR
MD REGISTRATION NO. 21097

12/12/02
DATE



OWNER'S CERTIFICATE

I, ROBERT H. KITTLEMAN, OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION; AND IN CONSIDERATION OF THE APPROVAL OF THIS PLAT BY THE DEPARTMENT OF PLANNING AND ZONING ESTABLISH THE MINIMUM RESTRICTION LINES. ALL EASEMENTS OF (OR) RIGHTS-OF-WAY AFFECTING THE PROPERTY ARE INCLUDED IN THIS PLAN OF SUBDIVISION.

WITNESS MY HAND, THIS DAY 11 OF DECEMBER 2002.

Robert H. Kittleman 12/11/02
ROBERT H. KITTLEMAN DATE

Thomas L. Frasier 12-11-02
ATTEST DATE

RECORDED AS PLAT No. 15709
ON Jan. 14, 2003
AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

KITTLEMAN PROPERTY LOT 2

F-99-24
3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
BLOCK NO. 14, 15, 20 & 21 TAX MAP NO. 15
PARCEL 117 ZONED: RC-DEO
SCALE: AS SHOWN DATE: 12-10-02 SHEET: 1 OF 1
PROJECT/11469-1-0/SURVEY/WORK AREA/001PLAT.DWG

PROPERTY OF ROBERT H. KITTLEMAN L. 819, F. 305 AND L. 2001, F. 324

24' PRIVATE USE-IN-COMMON ACCESS EASEMENT FOR LOT 2 TO BE RECORDED

S 34°10'05" E 103.36'
N 55°49'55" W 24.00'

LOT 2
43,273 SQ. FT.
OR 0.99341 AC.

RESIDUE OF PARCEL 117 (AGRICULTURAL PRESERVATION EASEMENT #H092-09E)

KITTLEMAN PROPERTY LOT 1 PLAT No. 13357

PROPERTY OF ROBERT H. KITTLEMAN L. 819, F. 305 AND L. 2001, F. 324

PROPERTY OF ROBERT H. KITTLEMAN L. 819, F. 305 AND L. 2001, F. 324

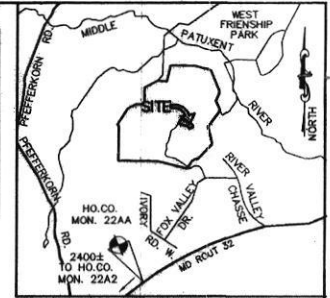
RESIDUE OF PARCEL 117 (AGRICULTURAL PRESERVATION EASEMENT #H092-09E)

OWNER

ROBERT H. KITTLEMAN
3104 FOX VALLEY DRIVE
WEST FRIENDSHIP, MARYLAND 21794
(410) 841-3671

I FURTHER CERTIFY THAT THE REQUIREMENTS OF SECTION 3-108 THE REAL PROPERTY ARTICLE, ANNOTATED CODE OF MARYLAND, 1988 REPLACEMENT VOLUME, (AS SUPPLEMENTED) AS FAR AS THEY RELATE TO THE MAKING OF THIS PLAT AND THE SETTING OF MARKERS HAVE BEEN COMPLIED WITH.

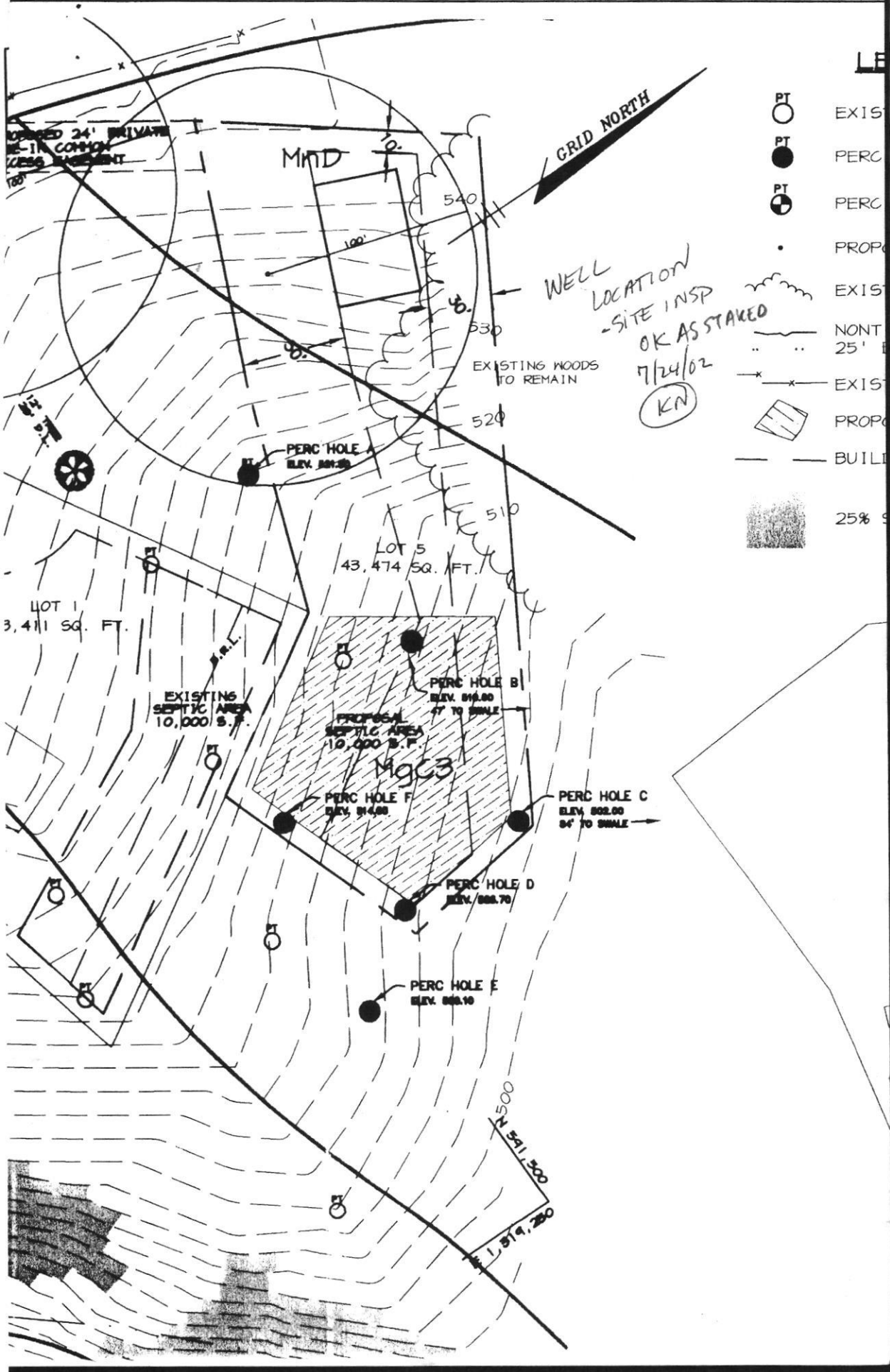
Robert H. Kittleman 12/11/02
ROBERT H. KITTLEMAN DATE
Thomas L. Frasier 12/10/02
THOMAS L. FRASIER, R. NO. 21097 DATE



VICINITY MAP
SCALE: 1" = 2000'

GENERAL NOTES

- COORDINATES BASED ON NAD 83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD GEODETIC CONTROL STATIONS Nos. 22AA AND 22AZ.
- ALL AREAS SHOWN ON THIS PLAT ARE MORE OR LESS.
- THIS PLAT IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT JULY 1, 1996 BY RIEMER MUEGGE AND ASSOCIATES, INC. NOW PATTON HARRIS RUST AND ASSOCIATES, P.C.
- THE SUBJECT PROPERTY IS ZONED RC-DEO AS PER THE 10-18-93 COMPREHENSIVE ZONING PLAN.
- THERE ARE NO VISIBLE SIGNS OF CEMETERIES WITHIN THE SUBJECT PROPERTY.
- THIS PROJECT IS EXEMPT FROM STORMWATER MANAGEMENT UNDER THE HOWARD COUNTY DESIGN MANUAL, VOL. 1, PARAGRAPH 8.1-2.B.4. THIS EXEMPTION IS BASED ON AVERAGE LOT SIZE OF 3.8 ACRES AND NO PROPOSED PUBLIC ROADS.
- THIS SUBDIVISION IS EXEMPT FROM THE REQUIREMENTS OF THE FOREST CONSERVATION PROGRAM PER SECTION 16.102(b)(1) (4) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS BECAUSE THE PROPERTY IS IN THE AGRICULTURAL PRESERVATION PROGRAM.
- NO WETLANDS WERE PRESENT ON SITE AS FIELD VERIFIED BY RIEMER MUEGGE AND ASSOCIATES, INC. OCTOBER 1998. NOW PATTON HARRIS RUST AND ASSOCIATES, P.C.
- THERE ARE NO FLOODPLAIN LIMITS WITHIN THE LIMITS OF THE SUBJECT PROPERTY.
- THERE ARE NO EXISTING STRUCTURES LOCATED ON LOT 2.
- THE DRIVEWAY SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLING TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 - WIDTH - 12 FEET (14 FEET IF SERVING MORE THAN ONE RESIDENCE).
 - SURFACE - 6 INCHES OF COMPACTED "GRUSHER RUN" BASE WITH "TAR AND CHIP" COATING. (GRAVEL IS ACCEPTABLE IF SERVING ONLY ONE HOUSE).
 - GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 30 FOOT TURNING RADIUS.
 - STRUCTURES - (CULVERTS AND BRIDGES) CAPABLE OF SUPPORTING TWENTY-FIVE (25) GROSS TONS (H=25 LOADING).
 - DRAINAGE ELEMENTS - CAPABLE OF SAFELY PITCHING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
 - STRUCTURE CLEARANCE - MINIMUM 12 FEET.
 - MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
 - HOUSE NUMBERING - WHERE ONE (1) DRIVEWAY SERVES MORE THAN ONE (1) LOT (COMMON DRIVEWAYS), A HOUSE NUMBERING SIGN MUST BE PLACED AT EACH LOT ENTRANCE AND A RANGE OF STREET ADDRESS HOUSE NUMBERS SIGN WHERE THE COMMON DRIVEWAY INTERSECTS WITH THE MAIN ROAD.
 - FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND ROAD RIGHT-OF-WAY LINE AND NOT TO THE PIPESTEM LOT DRIVEWAY.
 - THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET (OR 10,000 SQUARE FEET PER LOT FOR SHARED DRAIN FIELDS ASSOCIATED WITH A SHARED SEWAGE DISPOSAL FACILITY) AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03) IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDEMENT OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- LOT 2 SHOWN ON THIS PLAT SHALL COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- LANDSCAPING REQUIREMENTS FOR THIS LOT ARE IN ACCORDANCE WITH THE ALTERNATIVE COMPLIANCE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL AS A RESULT OF THE LOT'S SITE LOCATION WITHIN THE FARM'S INTERIOR.
- A DECLARATION OF MAINTENANCE OBLIGATION AGREEMENT FOR A PRIVATE USE-IN-COMMON DRIVEWAY HAS BEEN RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.
- THIS PROPERTY IS SUBJECT TO A DEED OF AGRICULTURAL LAND PRESERVATION EASEMENT RECORDED IN LIBER 2651 AT FOLIO 0482 AMONG THE LAND RECORDS OF HOWARD COUNTY.
- LOT 2 IS BEING CREATED IN ACCORDANCE WITH THE DEED OF AGRICULTURAL LAND PRESERVATION EASEMENT AND SECTION 15.509 OF THE PRE-1993 AGRICULTURAL LAND PRESERVATION ACT OF HOWARD COUNTY.
- PERC TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED BY PATTON HARRIS RUST AND ASSOCIATES, P.C.
- THE EXISTING 24 FEET PRIVATE USE-IN-COMMON ACCESS EASEMENT, WHICH IS RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY IN LIBER 4475 AT FOLIO 496 RUN THROUGH THE KITTLEMAN PROPERTY AND CONNECTS TO ANOTHER EXISTING 35 FEET PRIVATE EASEMENTS FOR INGRESS AND EGRESS THROUGH OPEN SPACE PARCEL 'A' OF AN EXISTING SUBDIVISION ENTITLED "WEST FRIENDSHIP ESTATES, SECTION 1, LOTS 1-56, PARCELS A, B, C & D" AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND AS PLAT No. 11432-11443, WHICH ULTIMATELY CONNECTS TO FOX VALLEY DRIVE.



5/23/02
1:00

1 lot

APPLICATION

PERCOLATION TESTING

A 516881

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 3/25/2002

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Cody Kittleman

ADDRESS 4910 David Greene Rd Cambridge 21613 PHONE 410-221-0237 (410-463-3583)

AGENT OR PROSPECTIVE BUYER NONE

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION Rt 32 (Fox Valley)

TAX MAP 15 PARCEL # 117

SIZE OF LOT 1 Acre TYPE BLDG. Singl Family
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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. Cody K
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

516881

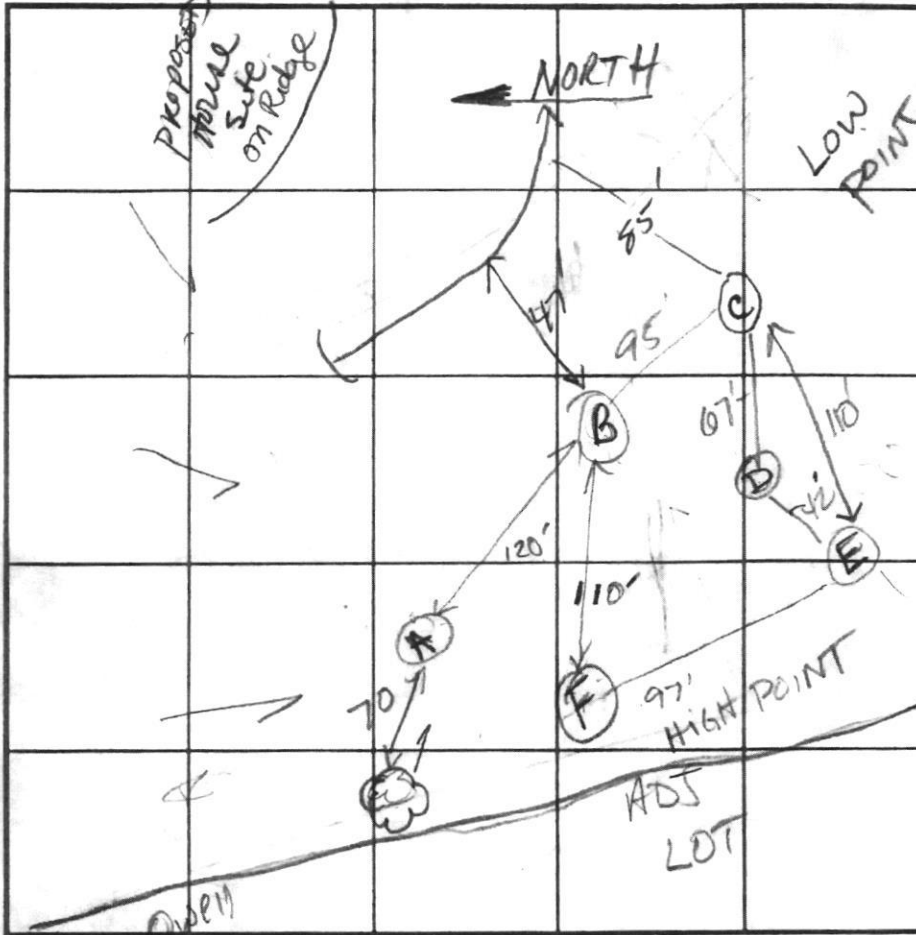
COUNTY #

SOIL PROFILE

0' **(A)**
brn loam
Rock 15-20%
HADB 9'

(B)
hvy lm-cl lm 4'
micaceous Sand + Lm Sand 6'
lt brn brn fine Sand
Rx 5-10%
Bottom 14'

(C) **(D)**
brn CLLM 2 1/2'
si lm 9'
lt org brn Trall
Rx Fine Loamy Sand
Bottom 14'



SOIL PROFILE

0' **(E)**
Rx < 5% y brn brn org Lm
6' H verge H brn Fine SAND
Rx 10-15%
12' Bottom
(E)
4' org brn loam
white grey Sand 1/2" saps etc ~15%
12' Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1' DROP | | TIME | |
|---------|------------|-------------|------------------|--------------------|--------------------|---------|--------------|--|
| | | | START | STOP | START | STOP | | |
| 5/23/02 | A | 5 1/2' / 9' | 3:05:53 | 3:13 | 3:13 | 3:20 | 7 min ok | |
| | B | 6'2" / 14' | 3:11 | 3:14 | | 3:18 | 4 min ok | |
| | C | 6' / 14' | 3:29 | 3:36 | 3:36 | 3:43 | 9 min ok | |
| | D | Visual | See Soil Profile | | | | | |
| | E | 6' / 12' | 3:44:25 | 3:45 | 3:45 | 3:47 | 2 min repair | |
| | | | 3:52:15 | 3:53:51 | | 3:56:13 | 2+ min OK | |
| | | 4' | 3:52 | 3:53 | 3:53 | 3:54:30 | 1 1/2 min | |
| | (F) | 3 1/2' | 3:58:30 | 4:00 ³⁰ | 4:00 ³⁰ | 4:02:45 | 2 min | |
| | | 6' / 12' | 4:02:16 | 4:03:30 | 4:03:30 | 4:05:30 | 2 min ok | |

REMARKS _____
 TYPE OF SOIL loam & loamy SAND & SAND
 TESTED BY Kacie ALSO PRESENT Cody Kittleman
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH 3
 INLET DEPTH 3 1/2' MAXIMUM BOTTOM DEPTH 7 1/2' SQ. FT./BEDROOM 180

14578 SEQUENCE NO. (MDE 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 13 A516881

ST/CO USE ONLY DATE RECEIVED DATE WELL COMPLETED Depth of Well PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Kittleman STREET OR RFD Fox Valley Drive TOWN West Friendship SUBDIVISION Kittleman Property SECTION LOT Parcel 117

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

| DESCRIPTION (Use additional sheets if needed) | FEET | | check if water bearing |
|---|------|-----|------------------------|
| | FROM | TO | |
| Top Soil | 0 | 2 | |
| Brown Shale | 2 | 25 | |
| Gray Mica | 25 | 45 | |
| Brown Mica | 45 | 95 | ✓ |
| Gray Mica | 95 | 125 | |
| Brown Mica | 125 | 126 | ✓ |
| Gray Mica | 126 | 300 | |

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N

TYPE OF GR MATERIAL (Circle one) CEMENT BENTONITE CLAY BC

NO. OF BAGS 45 46 NO. OF POUNDS 3500

GALLONS OF WATER 210

DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 53 ft.

CASING RECORD

MAIN CASING TYPE 54 Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 104

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

SCREEN RECORD

screen type or open hole insert appropriate code below

BR BRASS HO OPEN HOLE PL PLASTIC IOITI

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED Y N

CIRCLE APPROPRIATE LETTER

A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

E ELECTRIC LOG OBTAINED

TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "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 LIC. NO. MWD 040

DRILLERS SIGNATURE

LIC. NO. JS D 038

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

DEPTH (nearest ft.)

HO 102 300

| | | | | | |
|----|----|----|----|----|----|
| 8 | 9 | 11 | 15 | 17 | 21 |
| 23 | 24 | 26 | 30 | 32 | 36 |
| 38 | 39 | 41 | 45 | 47 | 51 |

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH) from 56 to 60

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.) W Q

70 72 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 15

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 17 20 ft.

WHEN PUMPING 62 25 ft.

TYPE OF PUMP USED (for test)

A air P piston 1 urbine 2 other (describe below)

centrifugal R rotary O other (describe below)

J jet S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29

CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35

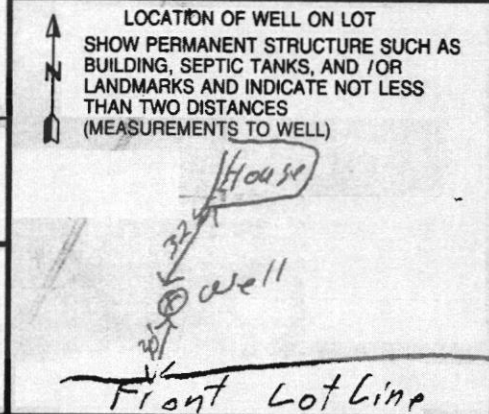
PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH (nearest ft.) 43 47

CASING HEIGHT (circle appropriate box and enter casing height)

+ above LAND SURFACE

- below 2 (nearest foot)



W516890

B 1 2509 SEQUENCE NO. (MDE USE ONLY)

1 2 3 4 5 6

STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HO-94-3449
 70 fill in this form completely 79

Date Received (APA) 07 02 OWNER INFORMATION **8950**

8 MM DD YY 13

KITTLEMAN CODY
 15 Last Name Owner First Name 34

4910 DAVID GREEN RD
 36 Street or RFD 55

CAMBRIDGE, MD 21613
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL

Howard COUNTY 21

Kittleman Property CC#

23 SUBDIVISION 42

SECTION 44 LOT 46 48 50

West Friendship

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 2 M I
 73 76 77 78

DRILLER INFORMATION

George F. Easterday M W D 040
 76 License No. 81

Firm Name
L. Franklin Easterday, Inc.

Address
9265 Brown Church Rd., MT. Airy, Md. 21771

Signature George F. Easterday Date 3/26/2002

B 4

1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

Fox Valley Dr (3104)
 11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 2000 37
 DISTANCE FROM ROAD Ft. ENTER FT OR MI 38 39

TAX MAP: 15 BLK: _____ PARCEL 117

B 2 WELL INFORMATION

1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 5

8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500
 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

22 INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME A 516881 COUNTY NO.

STATE SIGNATURE _____ INSERT S _____ 41

DATE ISSUED 7/24/02 Karen Noonan 7/24/02
 43 MM DD YY 48 CO SIGNATURE EXP DATE

NORTH GRID 50 000 EAST GRID 57 000
 55 63

APPROXIMATE DEPTH OF WELL 300 FEET
 24 28

APPROXIMATE DIAMETER OF WELL 6 INCH
 NEAREST

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X X

SOURCES OF DRILLING WATER

- wells
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

E 520 000
 800 000
 N

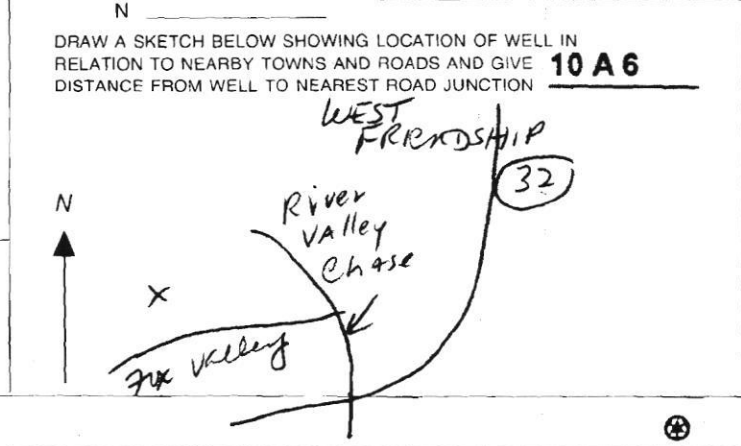
METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)

37 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

39 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER _____ G _____

PERMIT No. HO-94-3349
 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648**

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: VINCE MARINO PLUMBING & Heating Telephone #: 410-876-1928
Address: 2608 HOFFMAN MILL ROAD
HAMPSTEAD, MD 21074

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): VINCE MARINO License# 6596

***A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.**

Name of Property Owner: CODY M. KITTLEMAN Telephone #: 410-531-3694
Subdivision: KITTLEMAN PROPERTY Lot #: _____ Well Tag #: HO-94-3449
Site Address: 3106 FOX VALLEY DRIVE
WEST FRIENDSHIP, MD 21794

| | | |
|---|---|--|
| <u>Submersible Pump Data</u> | <u>Pitless Adapter</u> | <u>Well Cap and Electric Conduit</u> |
| Make: <u>GOULDS</u> | Make: <u>CAMPBELL</u> | Two piece watertight cap: <input checked="" type="checkbox"/> |
| Model #: <u>5G507</u> | Model#: <u>B-80</u> | Screened, vented well cap: <input checked="" type="checkbox"/> |
| Pump Capacity <u>5</u> GPM | Depth: <u>42</u> (36" min) | Cap secured to casing: <input checked="" type="checkbox"/> |
| Well Yield: <u>12</u> GPM | NSF approved: <input checked="" type="checkbox"/> | Conduit min 18" B.G.: <input checked="" type="checkbox"/> |
| Depth of well encountered at time of pump installation: <u>300</u> (feet) | | Conduit secured to well cap: <input checked="" type="checkbox"/> |

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt _____

| | |
|--|---|
| <u>Piping to house</u> | <u>House Connection</u> |
| Type: <u>1"</u> | PVC sleeved to undisturbed soil at wall penetration: <u>YES</u> |
| PSI: <u>200</u> (160 psi min) | Approximate length of sleeve: <u>10'</u> |
| Depth of supply line: <u>48"</u> (36" min) | Sleeve caulked and sealed properly: <u>YES</u> |

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Vince Marino 3/12/03
Signature of company representative responsible for installation date

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 4/1/03 After 1pm Date Insp. Approved: 4/2/03 KN/EA SPK
Inspection Data: Pitless adapter and water supply line at least 36" below grade
Two piece cap installed and attached to casing securely
Elec. conduit extends at least 18" below grade/attached to cap properly
Safety rope installed inside of well casing
Correct well tag attached properly and casing 8" above finished grade
Water supply line sleeved adequately at house connection
Adequate grout observed below pitless adapter

HOME LAND ENVIRONMENTAL

p:443-995-5385 | info@homelandhealthyhomes.com | www.homelandseptic.com

| Date: March 31, 2020 Name of Evaluator: Jason Jamison Time: 10:45 AM Property Address: 3021 Kittleman Lane West Friendship, MD 21794 Recent Weather Conditions: Normal | Ordered By: Lisa Kittleman Buyers: Lisa Kittleman Homeowner Interview: The homeowner interview was requested but not received prior to the evaluation. | Occupied: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Length of Time Vacant: N/A # of People Living in Home: Unknown # of People moving in: Unknown Property Age: 2000 System Age: 2000 Last Date of Cleaning: Unknown Recomm'd Pumping Freq: 1-2 Years |
|---|---|---|
| Liquid level in tank is: <input type="checkbox"/> Above Normal <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Below Normal | Bottom Solids Depth: 14 Inches | |
| Depth of tank: 17 Inches | Type of Tank Access: Manhole riser | Depth of tank access: At grade |
| Maintenance appears: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Poor | Depth to Distribution Box: 38 Inches | |
| Effluent Filter present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Previous high liquid level: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Distance to well: >150 Feet |
| Records Search: Records were requested but were not received from Howard County prior to the evaluation. | | |
| Were there any impermeable surfaces above the septic system (i.e. driveway)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| Type of Tank | Tank Composition and Size | Type of Absorption System |
| <input checked="" type="checkbox"/> Septic Tank (Tank) <input type="checkbox"/> Aeration System (Chamber) <input type="checkbox"/> Other: | <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Plastic Tank Size: 1,250 Gallon | <input checked="" type="checkbox"/> Leaching Field <input type="checkbox"/> Raised Mound <input type="checkbox"/> Drywell (Number of:) <input type="checkbox"/> Cesspool <input type="checkbox"/> Unknown: _____ |
| System Component | Condition | Comments |
| Septic Tank | <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation | The septic tank is composed of concrete and is 1,250 gallons in capacity. Access is a manhole riser at grade; the septic tank is 17 inches below grade. The front and back baffles are in place and composed of concrete. There is spalling occurring in the concrete of the back baffle (See Page 2; Picture 1). The integrity of the back baffle should be monitored moving forward. There are 14 inches of solids in the tank indicating fair maintenance. The septic tank should be cleaned in 6 months, then every 1-2 years thereafter. |
| Absorption System | <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation | The distribution box could not be excavated due to its depth (See Page 2; Picture 2). Two drainfields were located during this inspection. Both drainfields were probed and found to be dry to a depth of at least 8 inches from the top of stone. Approximately 300 gallons of water were introduced into the system with no signs of a backup. |

HOME LAND ENVIRONMENTAL

p:443-995-5385 | f:443-267-0098 | info@homelandhealthyhomes.com | www.homelandseptic.com



Picture 1:

Picture shows the spalling in the concrete of the back baffle.



Picture 2:

Picture shows the depth of the distribution box.

p:443-995-5385 | f:443-267-0098 | info@homelandhealthyhomes.com | www.homelandseptic.com

HOME LAND ENVIRONMENTAL

p: 443-995-5385 | info@homelandhealthyhomes.com | www.homelandseptic.com

Front of the House



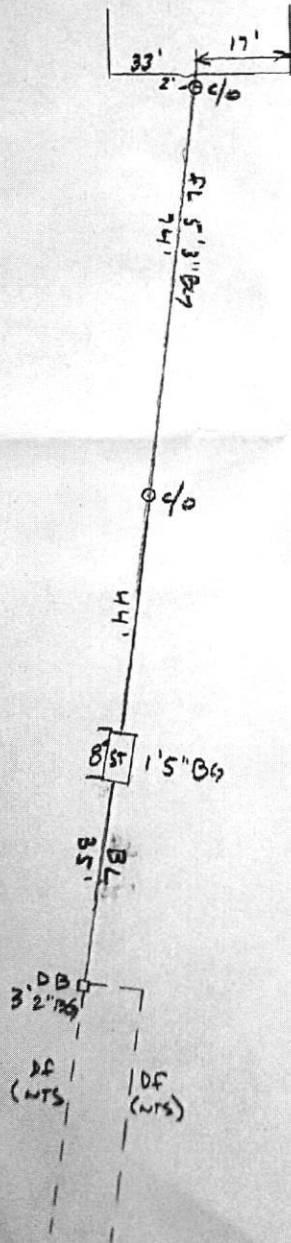
ADDRESS: 3021 KITTLEMAN LANE
WEST FRIENDSHIP, MD 21794

All measurements are approximate distances.

ST=Septic Tank; DB=Distribution Box; DF=Drainfield; DW=Drywell
FL=Front Line; BL=Back Line; BG=Below Grade; '= Feet; "'= Inches

SCALE: 30 SCALE

* (NTS) = NOT TO SCALE



HOME LAND

ENVIRONMENTAL

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Picture 3:

Picture shows the location of the septic tank in relation to the house.