approved 7/1/81
Steyer

PERMIT

P 3139

A 25718

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 5th

Indexed

DATE 6/16/81

Jack Fyock IS PERMITTED TO INSTALL X ALTER

ADDRESS 13775 Triadelphia Rd, Glenelg, Md. 21737 PHONE 988-9270

SUBDIVISION Simpson Woods ROAD 7250 Meadow Wood Way LOT 5 Sec. 2

PROPERTY OWNER Joseph E. & Elizabeth Shimek

ADDRESS 7904 Arbroath Court, Clinton, Md. 20735

SPECIFICATIONS 3 Bedrooms (Total absorbant area in dry well 375ft.)

SEPTIC TANK CAPACITY 1000 GALLONS

DRAIN FIELD _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

DEEP TRENCH _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

DRY WELL

~~AND TRENCH~~

SEEPAGE PITS X ABSORBENT SIDE-WALL AREA 125 SQ. FT. per bedroom

INLET PIPE 3 FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH 11 FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT _____ FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA 25 FT. FROM left LOT LINE AND 120 FT. FROM rear LOT LINE AS SEEN WHEN FACING LOT FROM Meadow Wood Way.

~~THIS PERMIT IS NOT VALID UNLESS~~

PLANS APPROVED BY William W. Zepp DATE 1/7/78

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

PERMIT VOID AFTER THREE 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 ACCEPTED.

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.**

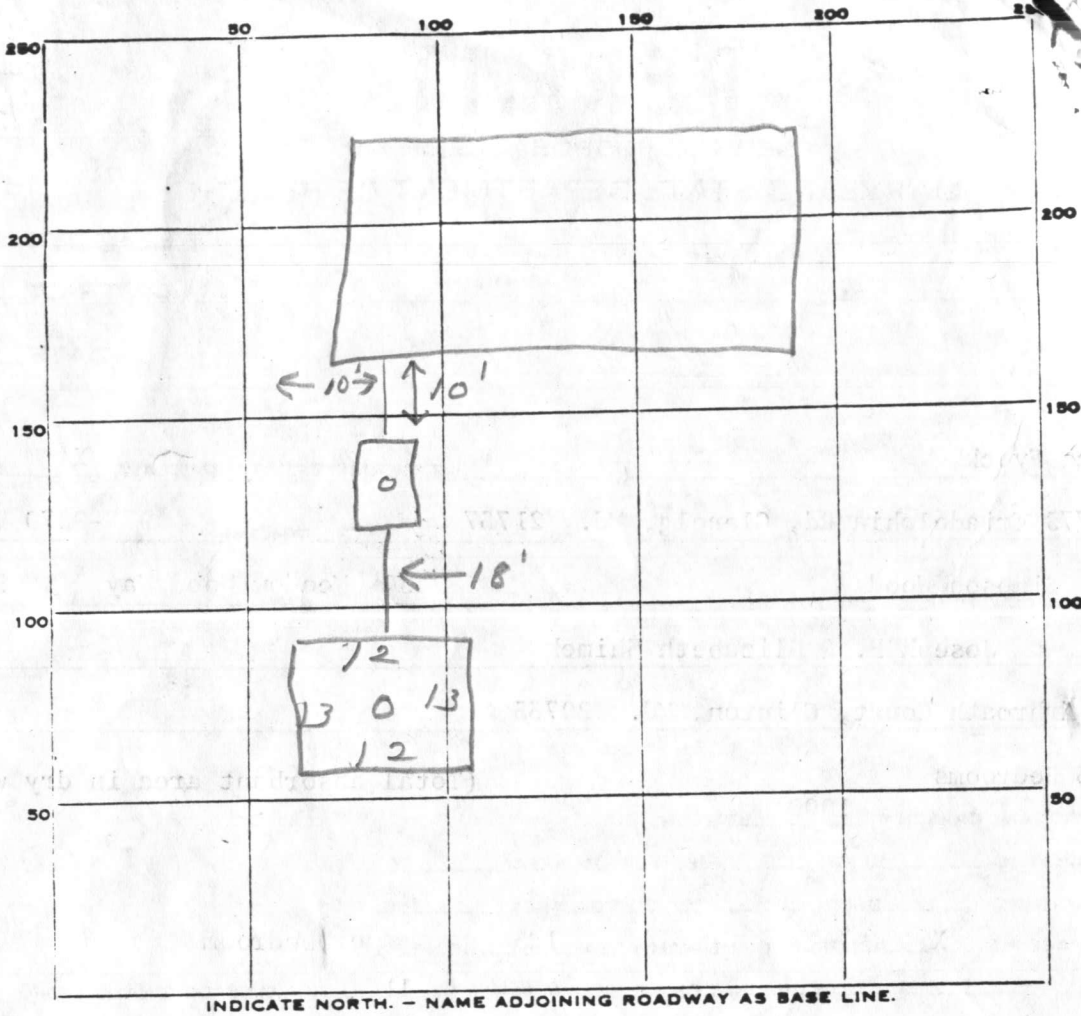
BLDG. PERMIT SIGNED AND RETURNED 3/16/82

Serial # 48924

Pool.

A 25718

EH-2-1079



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD ✓

SEPTIC TANK, LEVEL ✓ CLEANOUTS ST ✓ | DW ✓

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH ____ FT. TRENCH WIDTH ____ FT.

GRAVEL DEPTH ____ IN. TOTAL LENGTH ____ FT.

NUMBER OF TRENCHES ____ TOTAL BOTTOM AREA ____

SEEPAGE PITS, INSIDE DIAMETER 50 FT. DEPTH BELOW INLET 8 FT.

ABSORBENT AREA 400 SQ. FT.

REMARKS 7/1/81 OK to cover all work. JS

DATE SYSTEM APPROVED 7/1/81 INSPECTOR Stayer

DNR-214 (7-77)

C 1 [redacted]41 SEQUENCE NO. (WRA USE ONLY)

1 2 3 [redacted] (SEQ. NO.) 6

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

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION
TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401
WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WI IN 30 DAYS AFTER WELL COMPLET

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER ?

DATE RECEIVED (WRA USE ONLY)

DATE WELL COMPLETED: May 11, 1979

DEPTH OF WELL: 300 (TO NEAREST FOOT) (22 – 26)

PERMIT NO. FROM "PERMIT TO DRILL WELL": AO-73-5 (28 29 30 31 32 33 34 35 36 37) ← 6?

8-13 (15 – 20)

DRILLERS IDENTIFICATION NO. 238

OWNER: Lanbrig (LAST NAME) Dave - (FIRST NAME)

STREET OR RFD: 304 Gladhill Building POST OFFICE: Columbia Md.

WELL DESCRIPTION

WELL LOG

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

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET FROM	FEET TO	CHECK IF WATER BEARING
Sand	0	44	
Gray mica rock	44	300	✓

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX): YES [Y] (44) NO [N] (44)

TYPE OF GROUTING MATERIAL (CIRCLE BOX):

CEMENT [C M] (45 46) BENTONITE CLAY [B C] (45 46)

NO. OF BAGS 12 NO. OF POUNDS 1128

GALLONS OF WATER 72

DEPTH OF GROUT SEAL (TO NEAREST FOOT)

FROM 0 (48 – 52) FT. TO 45 (54 – 58) FT.

(ENTER 0 IF FROM SURFACE)

CASING RECORD

CASING TYPES (INSERT APPROPRIATE CODE BELOW)

[S T] STEEL [C O] CONCRETE [P L] PLASTIC [O T] OTHER

MAIN CASING TYPE	NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH)	TOTAL DEPTH OF MAIN CASING (NEAREST FOOT)
S T (60 61)	6 (63 64)	50 (66 70)

OTHER CASING (IF USED)

EACH CASING	DIAMETER (INCH)	DEPTH (FEET) FROM	TO

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE (INSERT APPROPRIATE CODE BELOW)

[S T] STEEL [B R] BRASS OR BRONZE [H O] OPEN HOLE [P L] PLASTIC [O T] OTHER

C 2 (1 2 3 (SEQ. NO.) 6)

DEPTH (NEAREST WHOLE FOOT)

EACH SCREEN	FROM	TO
1 (8 9)	48 (11 – 15)	300 (17 – 21)
2 (23 24)	(26 – 30)	(32 – 36)
3 (38 39)	(41 – 45)	(47 – 51)

SLOT SIZE 1. ____ 2. ____ 3. 12

DIAMETER OF SCREEN ____ (56 – 60) (NEAREST INCH)

GRAVEL PACK FROM ____ TO ____

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX (68) [F]

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

T (70) TELESCOPE CASING

(E.R.O.S.) (72) LOG INDICATOR

W Q (74 75 76) OTHER DATA AVAILABLE

C 3 (1 2 3 (SEQ. NO.) 6)

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 4 (8 – 9)

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 2 (11 – 15)

METHOD USED TO MEASURE PUMPING RATE air

WATER LEVEL: (DISTANCE FROM LAND SURFACE)

BEFORE PUMPING 65 (17 – 20) (NEAREST FOOT)

WHEN PUMPING 5 (22 – 25) (NEAREST FOOT)

TYPE OF PUMP USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST)

[A] AIR [P] PISTON [T] TURBINE

[C] CENTRIFUGAL [R] ROTARY [O] OTHER (DESCRIBE BELOW)

[J] JET [S] SUBMERSIBLE

(27)

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX – SEE ABOVE: A, C, J, P, R, S, T, O) (29)

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES [Y] NO [N]

CAPACITY:

GALLONS PER MINUTE (TO NEAREST GALLON) (31 – 35)

PUMP HORSE POWER (37 – 41)

PUMP COLUMN LENGTH (NEAREST FOOT) (43 – 47)

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

[+] ABOVE / [−] BELOW LAND SURFACE 2 (NEAREST FOOT) (49 – 50 – 51)

LOCATION OF WELL ON LOT

N

SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).

Back lot line

Front of lot

CIRCLE APPROPRIATE BOXES

[A] 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 I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLERS NAME

(PLEASE PRINT) Joseph L Mayne

SIGNATURE Joseph L. Mayne

HEALTH

APPLICATION

A 25718

P

SEWAGE DISPOSAL TESTING

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 5th

DATE 4-21-77

$\bar{t} = 6\sqrt{33} \rightarrow 6$ min

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 ~~Phase II Ltd.~~ Joseph F. & Elizabeth Slimick

ADDRESS ~~c/o Landborg, Inc., 1000 Century Plaza~~ 7904 ~~Ave~~ Arbroath Court Clinton, Md. 20735 PHONE ~~730-0500~~

PROPERTY LOCATION:

SUBDIVISION Simpson Woods Section Two LOT NO. NEW LOT 5, SEC 2 ~~3, Block D~~

ROAD AND DESCRIPTION ~~West Side of Road A; North of Johns Hopkins Road~~ 7250 Meadow Wood Way

SIZE OF LOT 40,000 square feet TYPE BLDG. 3 or 4 NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE

BLDG. PERMIT SIGNED AND RETURNED 8/20/80
Serial No. 44103

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT Phase II, Ltd., Alan C Berg, Pres.

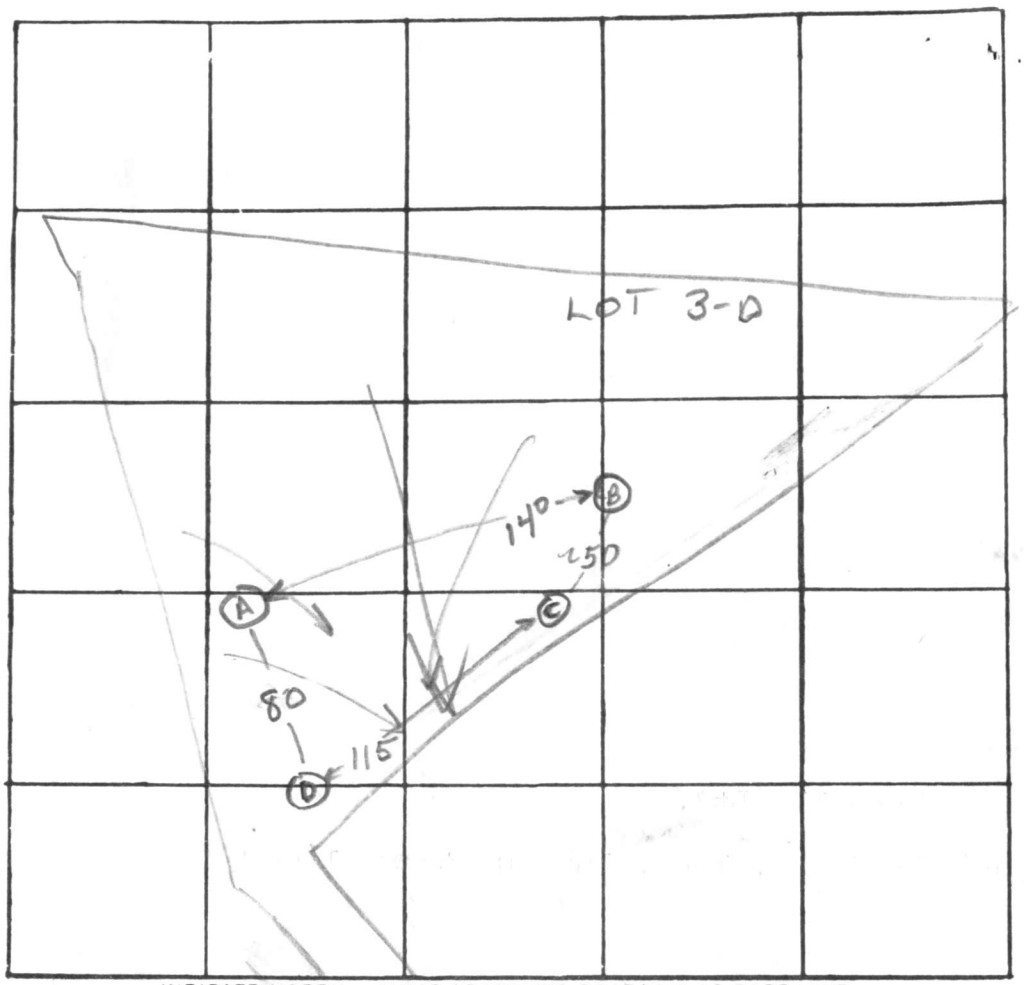
APPROVED BY William H. Zepp FOR DW & trench (KIND OF SYSTEM) DATE 1/7/78

REJECTED BY FOR (KIND OF SYSTEM) DATE

HOLD ~~PENDING FURTHER TESTS~~ WWZ DATE 5/2/77

REASONS FOR REJECTION OR HOLDING prelim. plat, certified test holes.

THIS IS NOT A PERMIT



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME	
4/29/77	LOW B	2½	5:13	5:14	5:14	5:16	2	9
	B-1	12	5:11	5:15	5:15	5:22	7	
	C	2½	5:28	5:29	5:29	5:32	3	16
	C-1	11	5:28	5:32	5:32	5:45	13	
	HIGH B	3	5:52	5:53	5:53	5:55	2	10
	B-1	11½	5:51	5:57	5:57	6:05	8	
	A	12½	VISUAL; similar to rest, dry					35

REMARKS System in B → A

TYPE OF SOIL Sandy

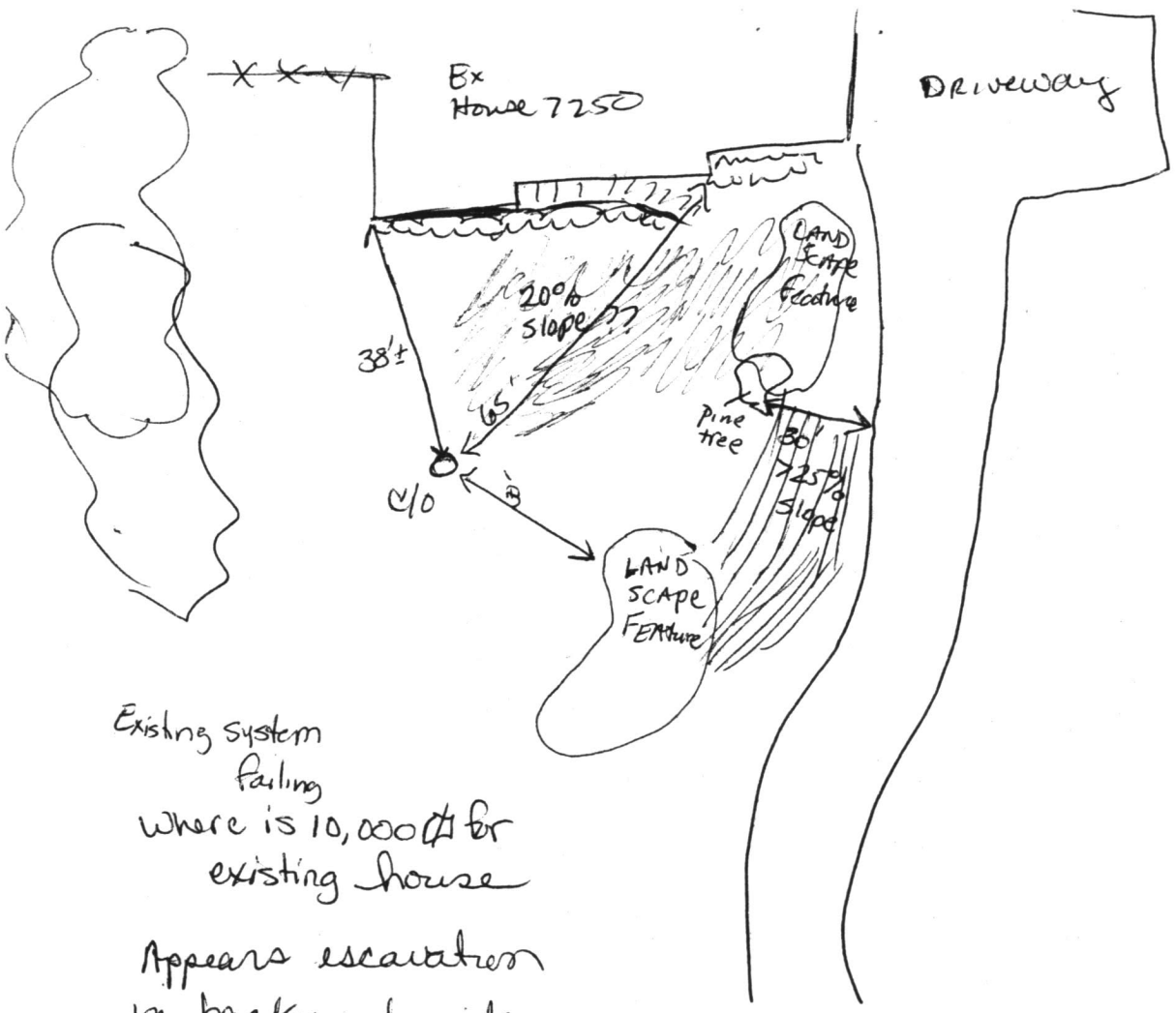
TESTED BY NWE ALSO PRESENT: Kellum Co

Borg

owner's home

7/19/04

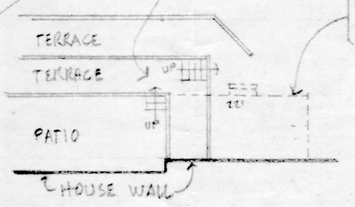
A25718
P 31439



Existing system failing
where is 10,000 ℓ for existing house

Appears excavation in backyard - soils placed on existing SDA, Cable @ end of SDA / slightly in / driveway over SDA??

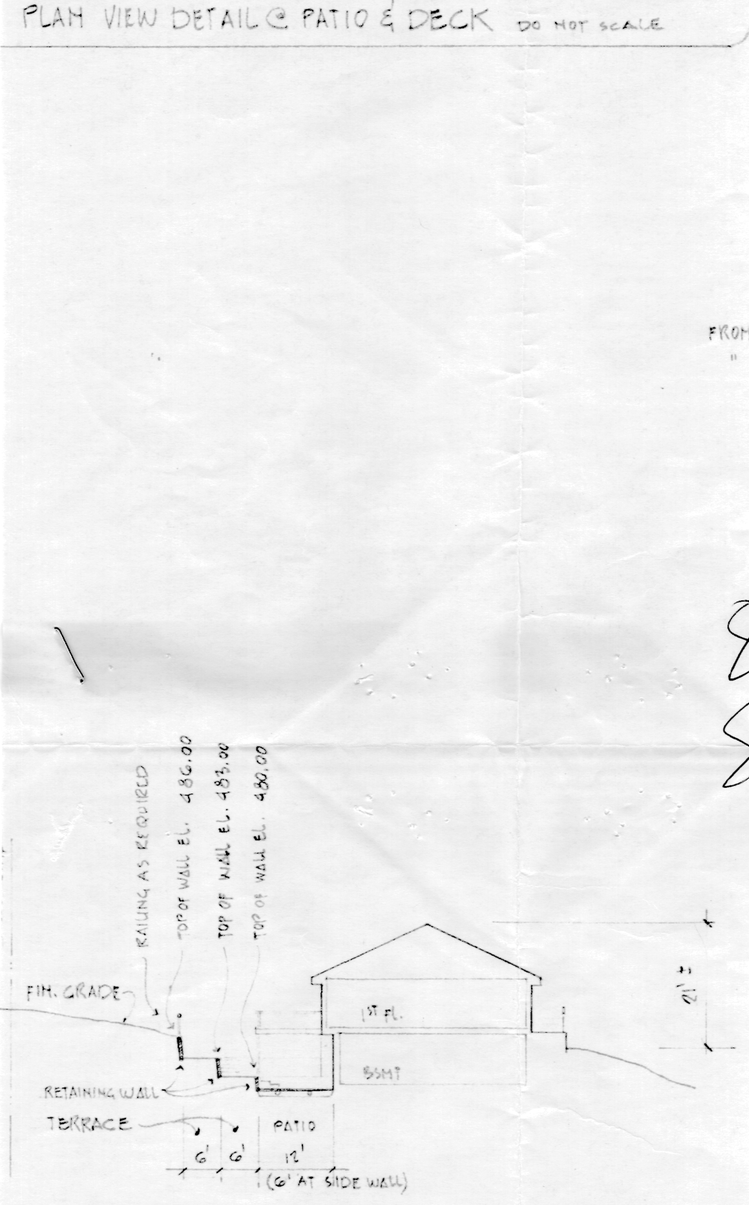
3 FT WIDE STEPS AT CORNER OF TERRACES TO LEAD UP FROM PATIO TO GRADE. (RAILING AS REQ'D)



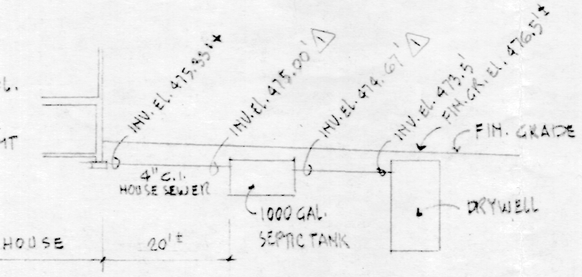
FIRST FLOOR LEVEL DECK & STEPS TO GROUND SHOWN DOTTED

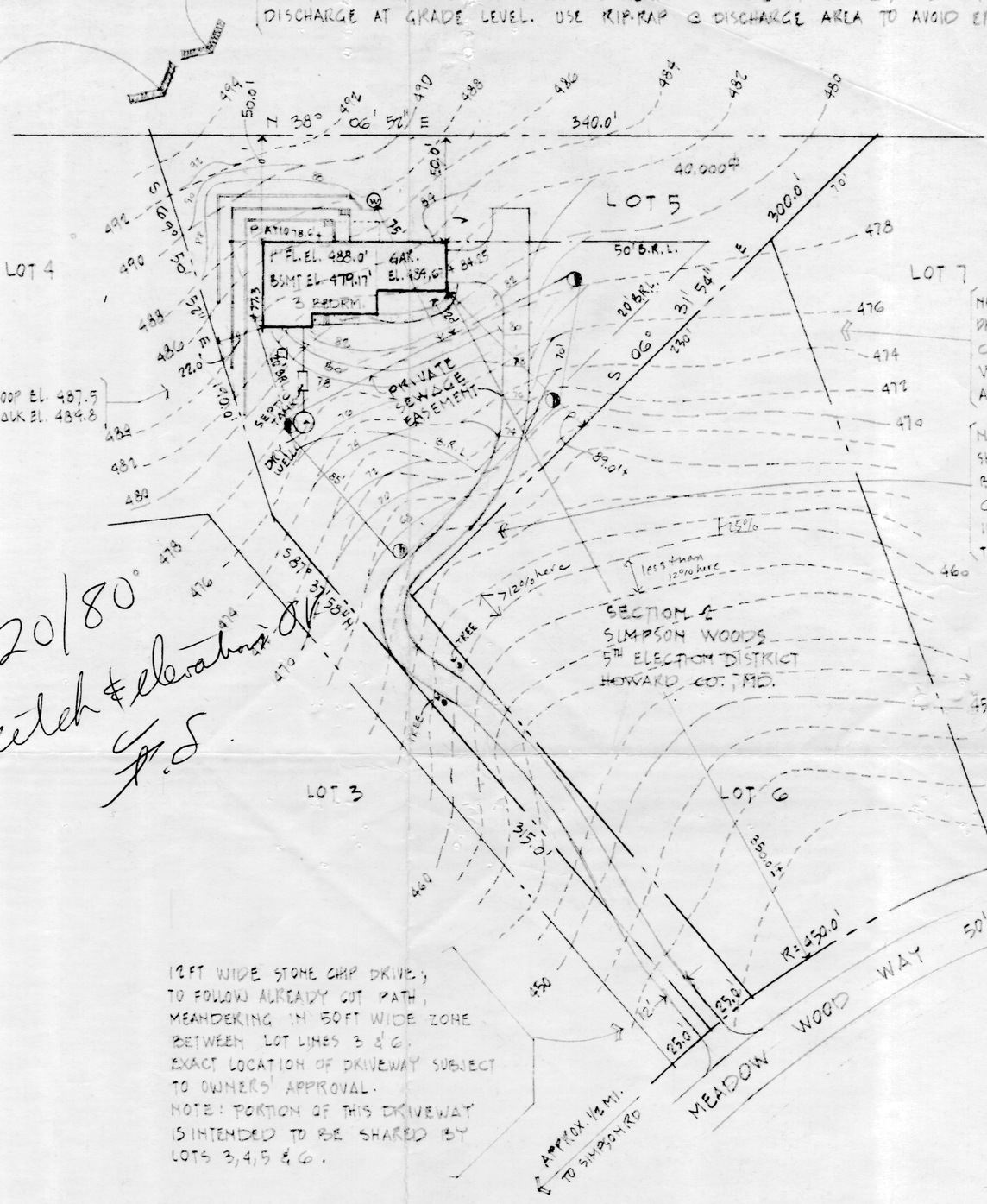
PLAN VIEW DETAIL @ PATIO & DECK DO NOT SCALE

CREATE TERRACES IN BACK YARD AND SIDE YARD WITH RETAINING WALLS. THESE TERRACES ARE INTENDED FOR PLANTING PURPOSES. USE PRESSURE TREATED 'LANDSCAPE TIES' FOR RETAINING WALLS (USE A 'DEADMAN' TIEBACK AT 12'-0" ± APART.) PATIO SHALL HAVE WALK SURFACE OF 2x6's, ½" APART, SECURED TO 2x4 SLEEPERS @ 24" O.C.±. SLEEPERS SHALL REST ON TOP OF 12" OF GRAVEL FILL. USE AT LEAST 2-4" DIA DRAINTILE (SPACED EQUALLY FROM SIDES) AT BOTTOM OF GRAVEL FILL FOR THE FULL LENGTH OF THE PATIO AT REAR AND SIDE OF HOUSE; AND EXTEND BOTH DRAINTILES TOWARD STREET, TO DISCHARGE AT GRADE LEVEL. USE RIP-RAP @ DISCHARGE AREA TO AVOID EROSION.



SECTION THRU HOUSE @ FRONT STOOP DO NOT SCALE





NOTE: ADJUST PROPOSED GRADE ELEVATIONS FOR DRIVEWAY FOR AS LOW A SLOPE AS ACTUAL GRADE CONDITIONS ALLOW. KEEP SLOPE TO 1½'/FT OR LESS WITHIN 20FT OF GARAGE DOOR. — ALL SLOPES, DRIVEWAY AND TURNAROUND LOCATIONS SUBJECT TO OWNER'S APPROVAL.

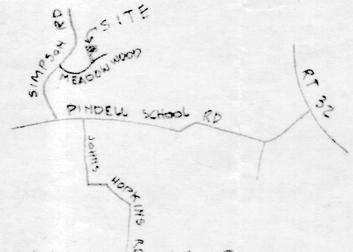
NOTE: NEW GRADE ELEVATIONS ARE NOT SHOWN FOR DRIVEWAY ALONG LOT 3 & 6 PROP. LINE, BUT GRADE SITE AS REQUIRED FOR A GENTLY WINDING AND SLOPING DRIVEWAY. INSTALL DRAINTILES UNDER ROAD AS REQUIRED TO MAINTAIN EXISTING DRAINAGE PATTERN

8/20/80
Sketch & elevations OK
F.S.

SITE PLAN 1" = 50'

NOTE: ALL EXISTING CONDITIONS TO BE VERIFIED IN FIELD.

LEGEND:
------ 470 EXISTING CONTOUR (2FT INTERVALS)
———— 70 PROPOSED NEW CONTOUR
+ 84.25 " " SPOT ELEVATION
→ DIRECTION OF DRAINAGE / SWALE



PROPOSED SITE PLAN

DATE
SCALE
DRAWN
JOB
SHEET

Howard County
Health Department

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

October 5, 2004

Mr. Tom D'Amato
7250 Meadow Wood Way
Ellicott City, MD 21042

Re: Failing Septic System Notice
7250 Meadow Wood Way
Simpson Woods, Lot 5

Dear Mr. D'Amato:

During percolation testing of Lot 6, it was brought to our attention that your existing property, Lot 5, is showing signs of failure. Upon percolation testing, it is mandatory for the sanitarian to confirm that the identified septic and well locations are accurate as shown on the engineer's plan. Enclosed is a copy of our letter sent to you including field inspection results during percolation testing for Lot 6.

It is pertinent that the failing septic system is repaired immediately. Due to the severe slopes in the front yard (greater than 25%) created by compromising the recorded septic area, a trench repair is not an option at this time. Refer back to the letter dated July 21, 2004 for possible solutions. Any other possible solutions for proper repair of the existing failing system, other than our recommendation as stated in the July 21, 2004 letter, is welcomed.

Have a licensed engineer submit a plan showing a possible repair location for your existing property. If we have not received a percolation application to rectify the situation in 15 days, we will follow up with proper legal action.

Sincerely,
Kacie Noonan
Kacie Noonan, R.S.
Well and Septic Program

KN

Cc: file

Howard County
Health Department

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

July 21, 2004

Mr. Tom D'Amato
7250 Meadow Wood Way
Ellicott City, Maryland 21042

RE: **Percolation Test Results**
Application: A518517
Proposal: Percolation Testing of Non-buildable Lot
Simpson Woods, Lot 6
Tax Map: 41 Parcel: 423

Dear Mr. D'Amato:

Percolation testing was conducted on the above referenced property July 19, 2004. A copy of the test results is enclosed for your records. The test holes evaluated were found to be unsatisfactory due to drainage swales created by natural surface drainage, hydric mottles near ground surface down to standing water, and saturated soils around 10 feet containing water seepage.

Inspection of surrounding topography within view of the excavated test holes indicates future proposed percolation testing for conventional septic systems will provide the same results due to the large area of high water table located in the vicinity. Although soils near the surface are conducive for absorbing effluent in test hole #A, slopes greater than 12 percent prevents any future testing for sand mound systems. Percolation test hole #B is conducive for sand mound testing; however, enough area with less than 12 percent slopes must be avail for three sand mound systems.

Should you wish to further pursue an attempt to subdivide the above referenced property, it shall be necessary for a licensed surveyor to submit a revised percolation test plan. This test plan should include actual locations and elevations of all excavated test holes, relevant landscape features and field-matched topography, along with a revised proposal.

As an additional, important note, the current septic system for the existing house, Simpson Woods, Lot 5, Section 2, address 7250 Meadow Wood Way, is currently failing. Inspection of the dry well shows septic effluent one foot below grade and evidence of septic discharge reaching above grade into the cleanout pipe. It also appears that natural grade for the existing septic system has been greatly compromised by additional fill added on top creating some slopes of 20 and 25 percent, and a cable easement runs through the septic area as well. COMAR regulation 26.04.02.04(F) states that the septic easement shall be void of other easements, rights-of-way, and any other physical or permanent objects.

Our office understands that a lot line has been established for the above mentioned lots, however, we strongly recommend revising the location of the lot line to incorporate the highest elevation of soils on lot six to be used for your septic repair currently in need or for future repair.

Sincerely,

Kacie Noonan

Kacie Noonan, R.S.
Water and Sewerage Program

KN
Enclosure
Cc: file

Howard County
Health Department

7178 Columbia Gateway Drive, Columbia, MD 21046
(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

December 23, 2004

Mr. Tom D'Amato
7250 Meadow Wood Way
Clarksville, MD 21029

Re: Site Inspection Results
7250 Meadow Wood Way
Simpson Woods, Lot 5

Dear Mr. D'Amato,

Site inspection was done for the existing septic system on December 20, 2004. Effluent levels in the dry well were acceptable and did not indicate soil supersaturation. Auger results indicate a sandy, micaceous loam and loam. However, refusal occurred at approximately 2 ½'. It is unclear if piping was incurred or schist. In conclusion, the inspection did not indicate any septic failure occurring at this time.

In order to finalize this case, our office is requesting receipt of contractor's work done around October 2004. You may fax your repair receipt to 410-313-2648. Any future permits for the above address will allow our office to request a backhoe contractor and percolation testing to be done to verify depths sufficient for a repair septic system.

Thank you for your time in this important matter.

Sincerely,

Kacie Noonan

Kacie Noonan, R.S.
Well and Septic Program

Cc: file

SITE INSPECTION SHEET

OWNER: Tom D'Amato PHONE #: _____

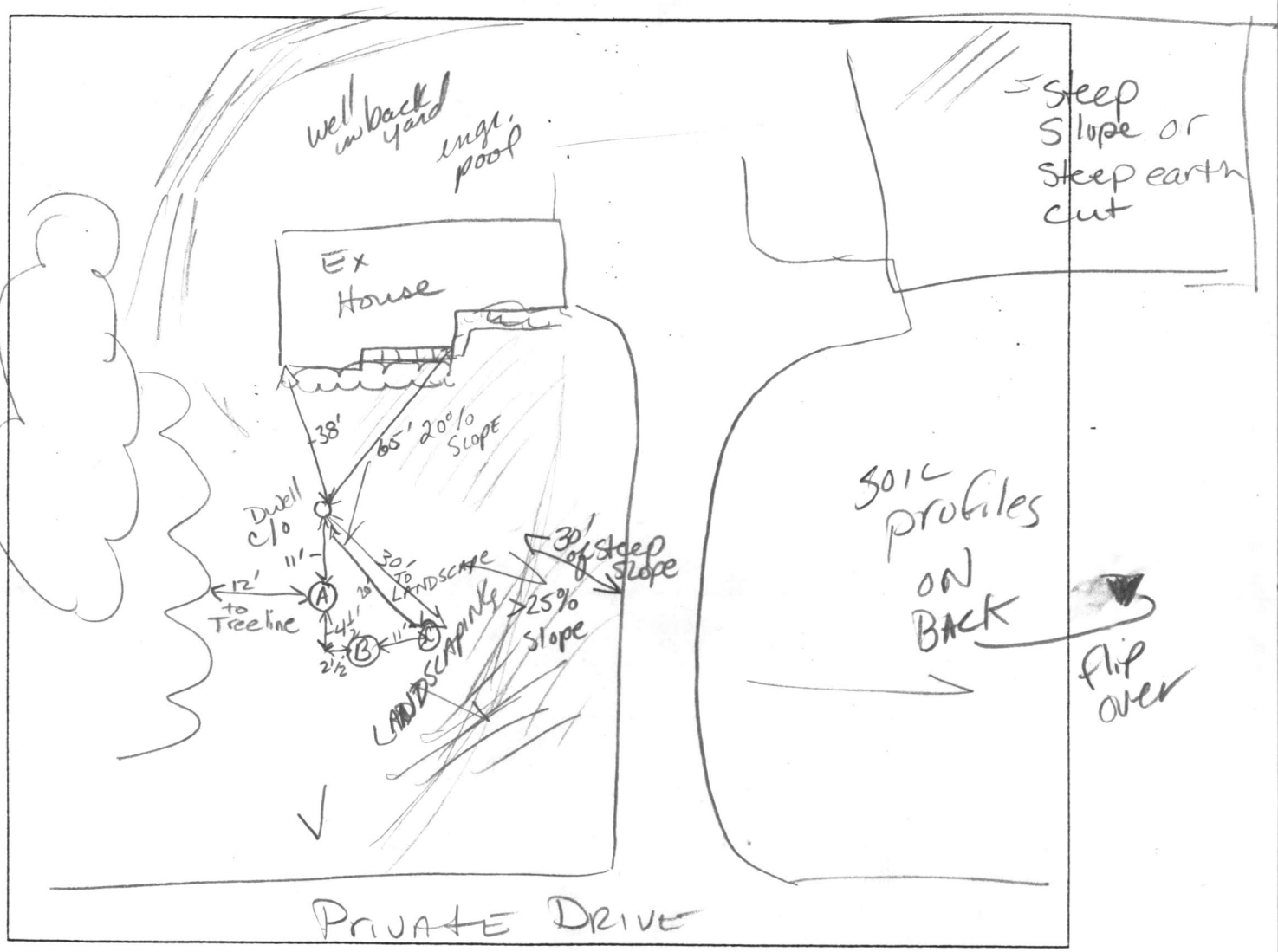
ADDRESS: 7250 Meadow Wood Way CONTRACTOR: _____

CLARKSVILLE WELL TAG #: _____

SUBDIVISION: Simpson Woods LOT: 5 Sec 2 COUNTY #: _____

PROPOSAL: 12/20/04 Assess functionability of existing septic system.

LOCATION DIAGRAM



COMMENTS: 12-20-04 Percolation test holes in 1980 established septic area. However, due to excavation for driveway creating hillside w/ slopes >25% at least 4,500 SF has been compromised. Augered test holes today encountered shallow depths to 28" due to rock or PVC pipe? SEE SOIL DESCRIPTIONS. EFFLUENT in dry well @ low level EST 26±

DATE: 12-20-04 INSPECTOR: KN

Augered in area of visible surface subsites

B/(A)

Frozen

3"

brn
wk rd brn
micaceous
granular
Loam

12"

rd brn
mica ≈ 40%
SL

22"

great black dk brn rock frag organic appearance → No roots in this layer

2mm thick + size of silver dollar

LOAM

26"

tan
wk rd brn
moist
LOAM

28"

Refusal -
PVC pipe??
hit hard surface
Sounds hollow

Augered hole out of swale area
20' from dry well c/o
11' from hole (B)

(C)

brn, tan,
wk rd brn 30-
V. micae 40%
Loam

23"

tan rd brn
SL
mica 45% ±
1 stone frag
encountered

28"

HARD Rock?
SOUNDED Hollow
all through.

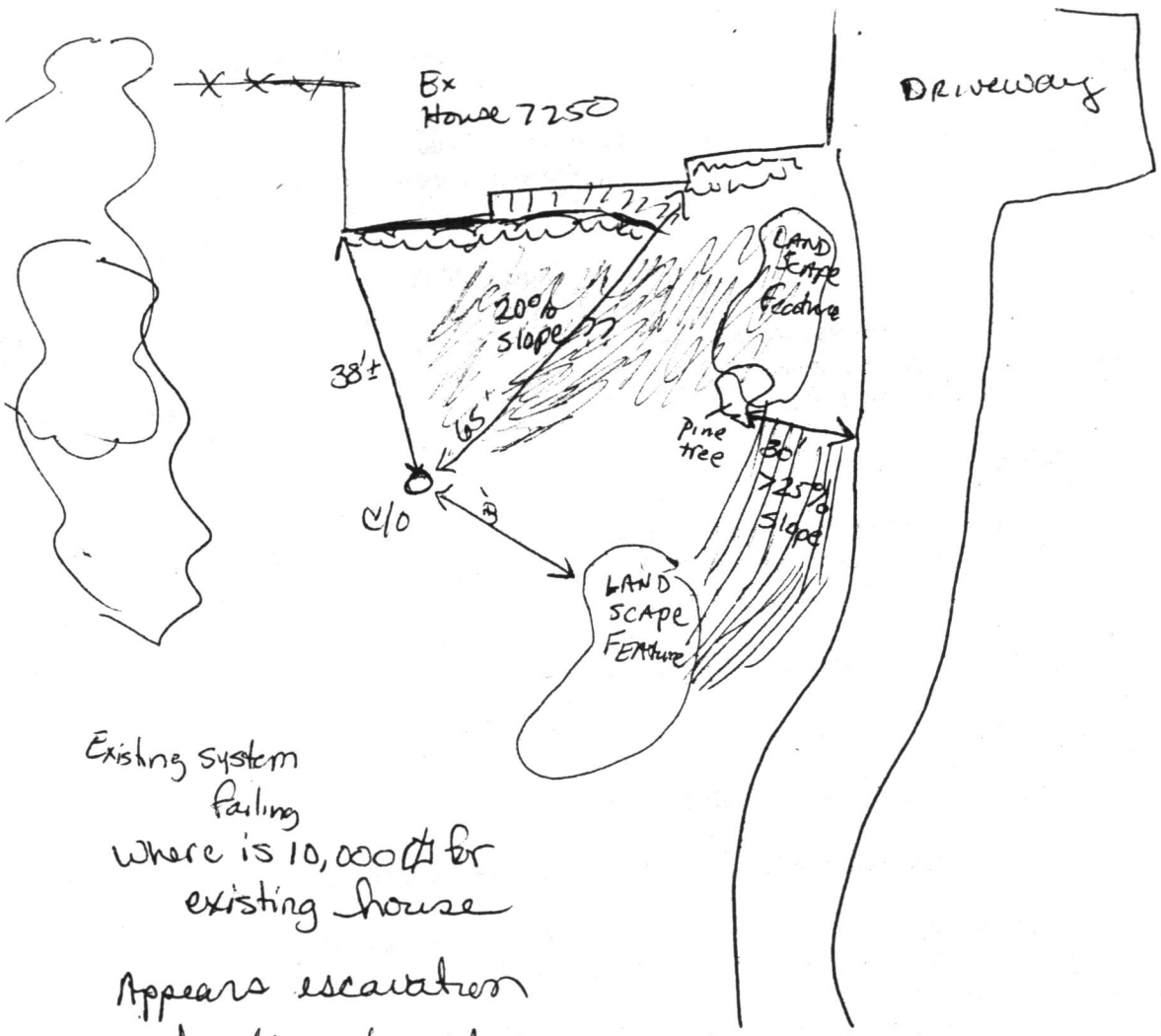
owner's home

A25718
P 31439

1/19/04

inground pool in back

N



Existing system failing

where is 10,000 gal for existing house

Appears excavation in backyard - soils placed on existing SDA, Cable @ end of SDA / slightly in / driveway over SDA??