

PERMIT

P 30716

A 29935

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 1st.

INDEXED

DATE 6/4/80

Olen Ketterman IS PERMITTED TO INSTALL ALTER

ADDRESS 14960 Frederick Road, Woodbine, Maryland 21797 PHONE 442-1336

SUBDIVISION Roy Emery property ROAD Kerger Road LOT 3

PROPERTY OWNER Ernest Kiss

ADDRESS Ellicott City, Md.

SPECIFICATIONS 4 Bedrooms

SEPTIC TANK CAPACITY 1250 GALLONS

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

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

SEEPAGE PITS _____ ABSORBENT SIDE-WALL AREA _____ SQ. FT.

INLET PIPE _____ FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH _____ FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT _____ FT. BELOW ORIGINAL GRADE.

1 FT STONE
3-4 DEEP
trench 10' wide
70'-75' long.
K.F.
6/11/80

LOCATE DISPOSAL AREA _____ FT. FROM _____ LOT LINE AND _____ FT. FROM _____ LOT LINE AS SEEN WHEN FACING LOT FROM

Drainfields - 143 sq. ft. bottom area per bedroom with 1 1/2 ft. of stone. No trench over 100 ft. long. Width of trench 3 ft. to 4 ft. deep. Trenches to be at least 10 ft apart. use distribution box. Place drainfield between perc hole #1 and perc hole #5. perc hole #1 is located 112 ft from the 421.86 ft. long lot line and 150 ft. from the 549.64 ft. long lot line perc hole #5 is located 75 ft. from the 421.86 ft. lot line and 20 ft. from the 549.64 ft. lot line. NOTE: TRENCHES NOT TO BE CONNECTED IN SERIES. CONNECT THE TRENCHES TO NEAREST END OF THE SEPTIC TANK.

PLANS APPROVED BY Raymond Hodges DATE 11/14/79

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.

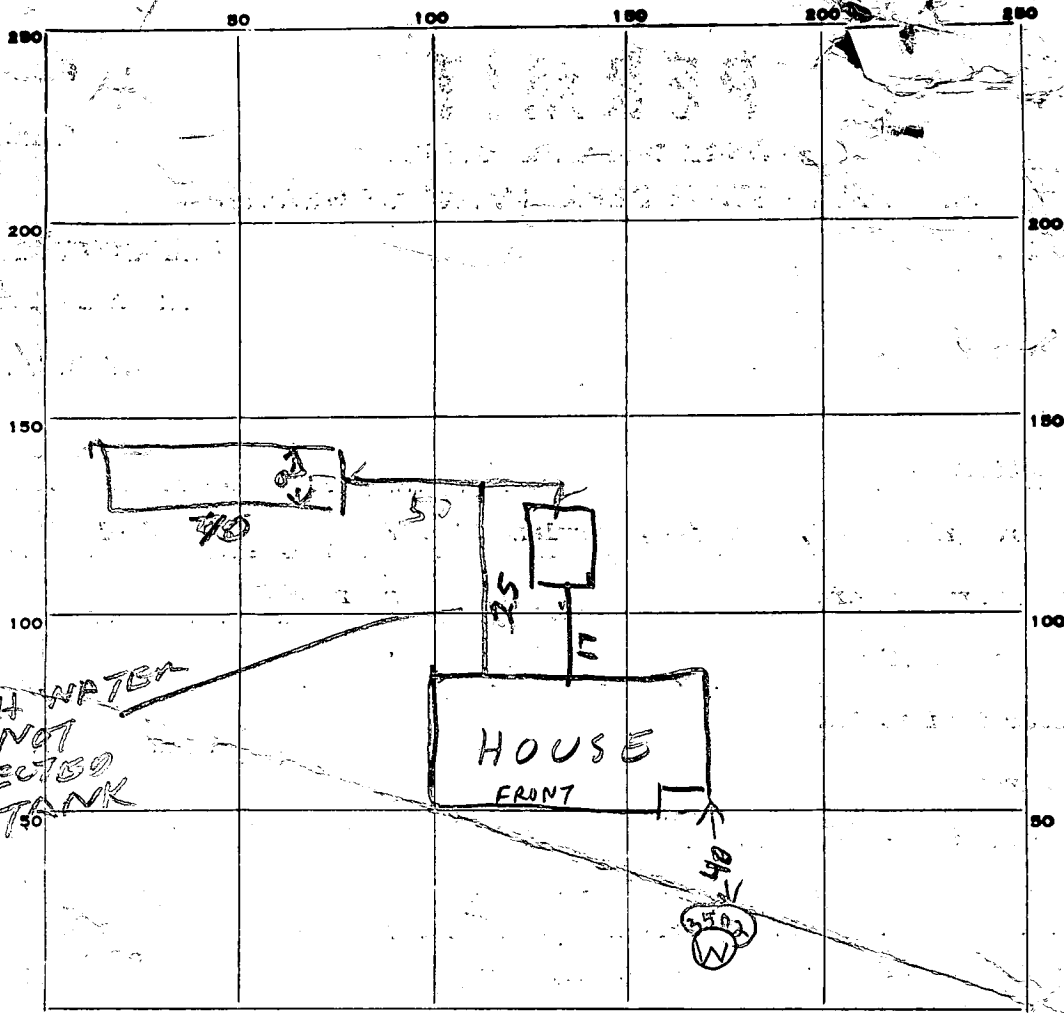
NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

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 TERRAZO ACCEPTED.

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

A 29935



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD _____

ST

SEPTIC TANK, LEVEL OK 1500 TOP 1 FT BELOW GRND CLEANOUTS OK

DISTRIBUTION BOX, LEVEL _____

BED TILE-FIELD, DEPTH 5-7 FT. TRENCH WIDTH 9 FT.

GRAVEL DEPTH 12 IN. TOTAL LENGTH 70 FT.

NUMBER OF TRENCHES _____ TOTAL BOTTOM AREA 630

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS 6/5/80 OK TO COVER TANK & HOUSE SEWER RH

8/1 180 INLET TO DITCH 4 FT BELOW OG

8/12/80 T.C. O. Ketterman re. wash machine water line. All water to go into S. tank hereafter. Apparently he's done this in the past & told him a separate ditch for just wash water is acceptable when there's a demonstrated problem.

DATE SYSTEM APPROVED 8/13/80

INSPECTOR F. Skinner

PRELIMINARY

APPLICATION

3 BR 1000 GAL
4 BR 1250 GAL SEWAGE DISPOSAL TESTING

A 29935

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT DRAIN FIELDS - 143 SQ FT BOTTOM
ENVIRONMENTAL HEALTH SERVICES 3 AREA PER BED ROOM

P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

WITH 1 1/2 FT OF STONE DISTRICT 1st

NO TRENCH OVER 100 FT LONG! WIDTH
OF TRENCH 3 FT TO 4 FT DEEP DATE 6/18/79

TRENCHES TO BE AT LEAST 10 FT APART
USE DISTRIBUTION BOX

PLACE DRAIN FIELD BETWEEN PERC HOLE ① & PERC
HOLE ⑤

PERC HOLE ① IS LOCATED 112 FT FROM THE 421.86 FT
LONG LOT LINE & 150 FT FROM THE 549.64 FT LONG LOT LINE

PERC HOLE ⑤ IS LOCATED 75 FT FROM THE 421.86 FT
ELLICOTT CITY, MARYLAND LOT LINE AND 20 FT FROM THE 549.64 FT LOT LINE

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

10x70'-75'

PROPERTY OWNER Roy Emery property

ADDRESS _____ PHONE _____

BLDG. PERMIT SIGNED
AND RETURNED 5/11/80

PROPERTY LOCATION: _____

SUBDIVISION _____ LOT NO. Lot 3

ROAD AND DESCRIPTION Kerger Road

SIZE OF LOT ? TYPE BLDG. 4 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.

SIGNATURE OF APPLICANT /s/ Abraham Shpak

APPROVED BY Raymond Hodges FOR Dr. Fuld DATE 11/24/79

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

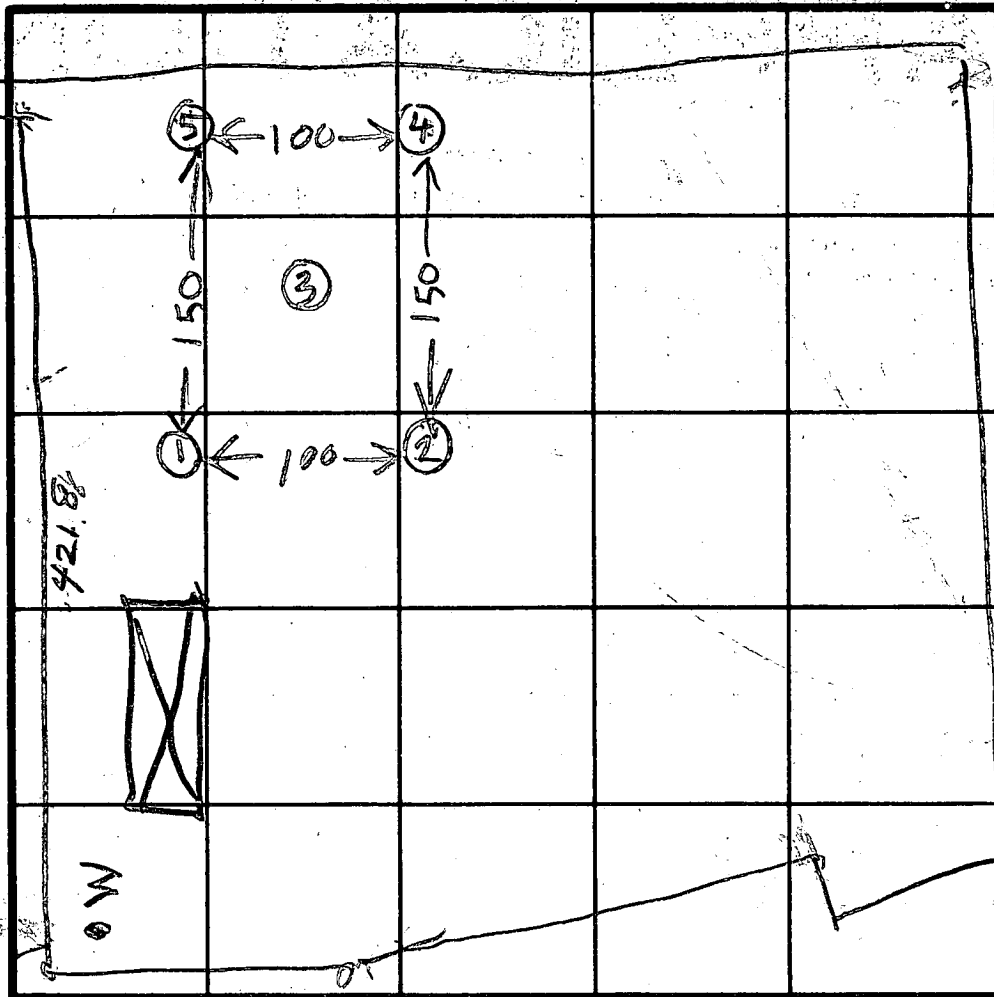
REASONS FOR REJECTION OR HOLDING 11/11/79 - REVISED PLAN OK FOR

HO TO SIGN PER DM 11/14/79 Dr BOYD HAS

SIGNED THE FINAL PLAN

THIS IS NOT A PERMIT

SOIL PROFILE



- ELEVATIONS
- ① = HIGHEST
 - ⑤ = NEXT HIGHEST
 - ② = LOWEST
 - ③ = MEDIUM
 - ④ = MEDIUM

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/2/79	1S	5	149	152	152	154	2
	1V	10	TOP SF1	SAND & GRAVEL			
			BOT SF2	SOFT SAND			
	2D	9	154	200	200	211	11
	2S	4 1/2	159	200	200	201	1
	3S	3	202	212	212	225	13
	3D	7 1/2	202	208	208	219	11
	4S	2 1/2	208	210	210	212	2
	4D	9	208	220	220	232	12
	5S	3	226	240	240	253	13
	5D	9 1/2	226	235	235	253	13
	3V	12	SANDY & DIRTY				
	5S	4	355	400	400	411	11

REMARKS

PERC TIME OK, CERTIFY HOLE LOCATION
 TYPE OF SOIL COPY GIVEN TO D. REWER

TESTED BY

ALSO PRESENT

D REWER
 GARY

15
 2
 11
 237
 10

C 1 1591 SEQUENCE NO. (WRA USE ONLY)

1 2 3 (SEQ. NO.) 6

(THIS NUMBER IS 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 WITHIN 30 DAYS AFTER WELL COMPLETION

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER A29935

DATE RECEIVED (WRA USE ONLY)

Dec 7, 1979

DATE WELL COMPLETED

8-13

DEPTH OF WELL

265

22 (TO NEAREST FOOT) 26

PERMIT NO. FROM "PERMIT TO DRILL WELL"

H0-73-3502

28 29 30 31 32 33 34 35 36 37

DRILLERS IDENTIFICATION NO. 273

OWNER Kiss Ernest LAST NAME FIRST NAME

STREET OR RFD 4802 S HAVEN DR. POST OFFICE Ellicott City, 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		CHECK IF WATER BEARING
	FROM	TO	
Top Sol.	0	2	
Sandy	2	30	✓
Sand Stone	30	50	✓
Micka	50	185	
Sand Stone	185	190	✓
Micka	190	265	

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) YES NO

TYPE OF GROUTING MATERIAL (CIRCLE BOX): CEMENT BENTONITE CLAY

NO. OF BAGS 17 NO. OF POUNDS 1700

GALLONS OF WATER 102

DEPTH OF GROUT SEAL (TO NEAREST FOOT) FROM 0 FT. TO 33 measured FT.

CASING RECORD

CASING TYPES: INSERT APPROPRIATE CODE BELOW: STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE: S T NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 6 TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 42

OTHER CASING (IF USED)

DIAMETER (INCH) FROM DEPTH (FEET) TO

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE: INSERT APPROPRIATE CODE BELOW: STEEL BRASS OR BRONZE OPEN HOLE PLASTIC OTHER

DEPTH (NEAREST WHOLE FOOT)

FROM 40 TO 265

SLOT SIZE 1. _____ 2. _____ 3. _____

DIAMETER OF SCREEN 56 (NEAREST INCH) FROM _____ TO _____

GRAVEL PACK _____

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX

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

TELESCOPE CASING: LOG INDICATOR:

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 8

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 5

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL: (DISTANCE FROM LAND SURFACE)

BEFORE PUMPING 30 (NEAREST FOOT)

WHEN PUMPING 265 (NEAREST FOOT)

TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX)

AIR PISTON TURBINE

CENTRIFUGAL ROTARY OTHER (DESCRIBE BELOW)

JET SUBMERSIBLE

PUMP INSTALLED

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

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES NO

CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON) _____

PUMP HORSE POWER _____

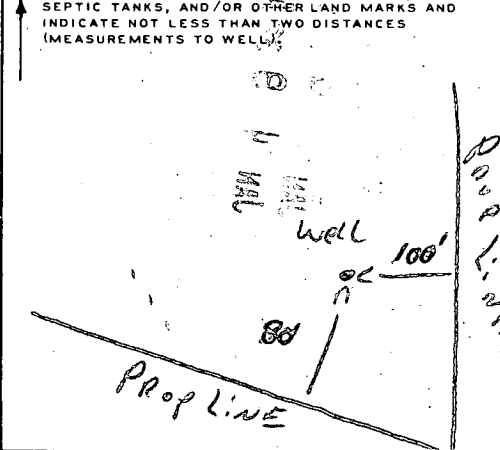
PUMP COLUMN LENGTH (NEAREST FOOT) 43 47

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

ABOVE LAND SURFACE 2 (NEAREST FOOT)

BELOW 50 51

LOCATION OF WELL ON LOT



CIRCLE APPROPRIATE BOXES

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 Ralph Mayne

(PLEASE PRINT) Ralph Mayne

SIGNATURE Ralph Mayne

B 1 5552 SEQUENCE NO. (WRA USE ONLY)

1 2 3 (SEQ. NO.) 6
THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION
TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401
APPLICATION FOR PERMIT TO DRILL WELL

WRA PERMIT NUMBER
HO-73-3502
FILL IN THIS FORM COMPLETELY

DATE RECEIVED (WRA USE ONLY)
12/1/79
1:30 P.M.

OWNER ERNEST GO...
COL 15 LAST NAME COL 34 FIRST NAME

STREET OR RFD 4802 SOUTH H...
COL 36 COL 55

POST OFFICE ELICOTT CITY Md.
COL 57 COL 76 410-6419

B 1 CONTINUED DRILLER INFORMATION

1 2 3 (SEQ. NO.) 6

DATE Nov 13, 1979 LICENSE NUMBER 273
77 80

FIRST NAME Ralph DRILLER LAST NAME Mayne

SIGNATURE Ralph Mayne

B 3 LOCATION OF WELL

1 2 3 (SEQ. NO.) 6 Howard

COUNTY HOWARD (DO NOT ABBREVIATE COUNTY NAME) 21

SUBDIVISION NONE 23 42

SECTION NONE LOT 35 44 46 48 50

NEAREST TOWN ELICOTT CITY 52 71

MILES FROM TOWN (ENTER 0 IF IN TOWN) 6 73 76 77 78

B 2 WELL INFORMATION

1 2 3 (SEQ. NO.) 6

MAXIMUM PUMPING RATE (GALLONS PER MINUTE) 5 8 12

AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) 500 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

FARMING, AGRICULTURE, IRRIGATION

INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT.

MUNICIPAL WATER SUPPLY } MUST HAVE STATE HEALTH DEPT. APPROVAL

PRIVATE WATER COMPANY }

TEST

B 4 DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)

1 2 3 (SEQ. NO.) 6

NORTH EAST NE NORTHEAST SE SOUTHEAST

SOUTH WEST NW NORTHWEST SW SOUTHWEST

NEAR WHAT ROAD KERGER 8 9 8 9

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH SOUTH EAST WEST 11 30

DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 1/4 32 32 32 32 37 38 39

APPROXIMATE DEPTH OF WELL 150 FEET
24 26

APPROXIMATE DIAMETER OF WELL 6 (NEAREST INCH)

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)

BORED (OR AUGERED) JETTED DRIVEN

30-37 AIR-ROTARY AIR-PERCUSSION ROTARY (HYDRAULIC ROTARY)

CABLE REVERSE-ROTARY DRIVE-POINT

OTHER (DESCRIBE)

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 (WRA USE ONLY)

APPROPRIATION PERMIT NUMBER 84 ENGINEER REVIEW DISTRICT NO. 63

FORCE WRITE INITIALS IN BOX CONDITIONS A E N S G W Q C L U

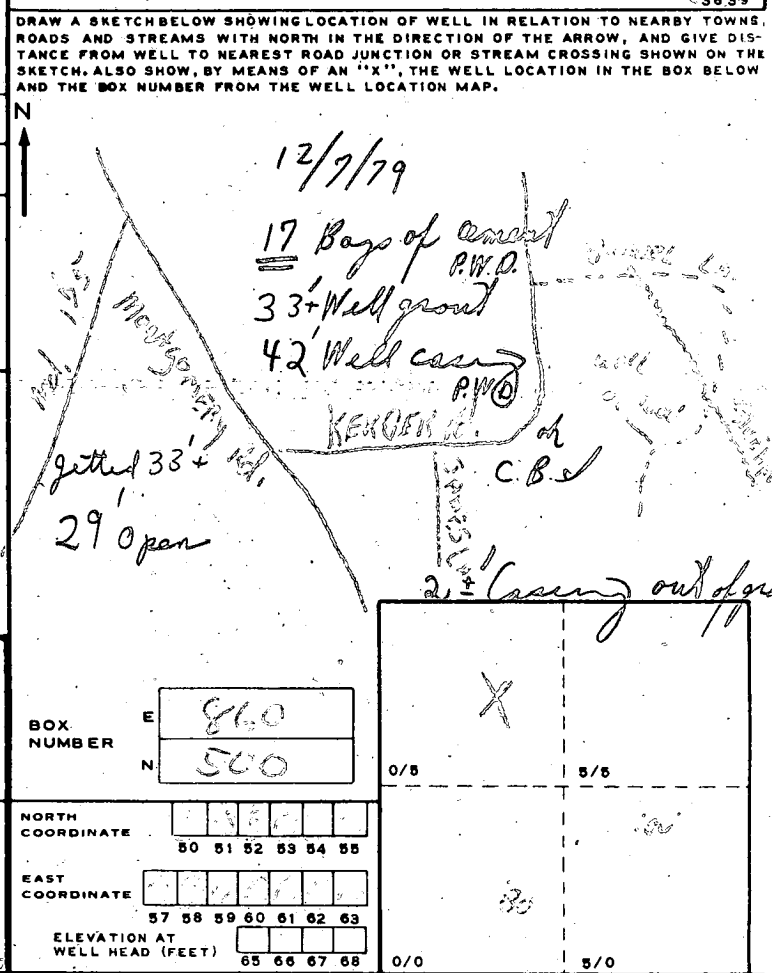
67 68 70 71 72 73 74 75 76 77 78 79

B 4 CONTINUED HEALTH DEPARTMENT APPROVAL

1 2 3 (SEQ. NO.) 6

41 STATE HEALTH (CIRCLE BOX) COUNTY NAME Howard COUNTY NO. 120035

DATE 12/1/79 APPROVED BY Donald W. Woodman, Sanitarian

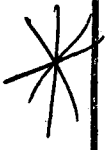


B 5 SPECIAL CONDITIONS 8-63 (WRA USE ONLY)

1 2 3 (SEQ. NO.) 6

Elevations Shown Hereon Are Assumed

K&E BALTIMORE 10 5155 ALBANY 8-78 MCG8935



LOT 4C
NON-BUILDABLE

LOT 4B
APPROVED 3-20-79

Iron Pipe
Elev. 250.00

549.64'

N-80°44'00"E

To Karger Road

LOT 5-D

LOT 5A

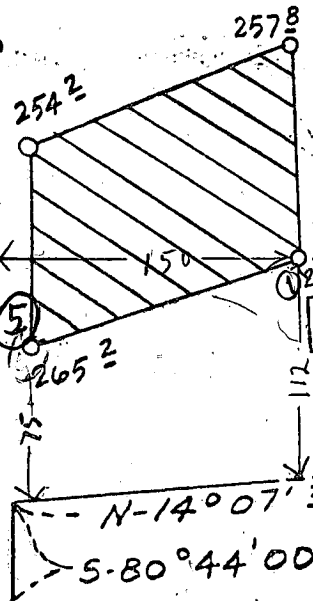
S-14°07'31"E 398.80'

30' Use In Common
Easement For
Ingress and Egress

LOT 3

NOTE:

WELLS AND SEWAGE DISPOSAL
AREAS ON ADJOINING LOTS WITHIN
100' SHALL BE SHOWN IF
DETERMINED PERTINENT BY THE
HOWARD COUNTY HEALTH
DEPARTMENT.



N-14°07'31"W-421.86'
S-80°44'00"W-54.88'

LOT 2
Donald S. Francis & wife

S-79°25'19"W 96.01'
N-27°34'41"W-30.00'

S-81°25'41"W
S-66°55'19"W-5.66'

Carroll F. Doyle
221/86

NOTE: PERCOLATION TEST
HOLES SHOWN HEREON "O"
HAVE BEEN FIELD LOCATED.

THIS AREA INDICATES A PRIVATE SEWAGE EASEMENT
OF APPROXIMATELY 10,000 SQ. FT. AS REQUIRED BY
MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR
INDIVIDUAL DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA
ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE AND SERVICING
ANY RESIDENTIAL STRUCTURES CONSTRUCTED ON THESE BUILDING
SITES. THIS EASEMENT SHALL BECOME NULL AND VOID UPON
CONNECTION TO A PUBLIC SEWAGE SYSTEM.

THE LOTS SHOWN HEREON COMPLY
WITH THE MINIMUM OWNERSHIP WIDTH
AND LOT AREAS AS REQUIRED BY THE
MARYLAND STATE DEPARTMENT OF
HEALTH AND MENTAL HYGIENE.

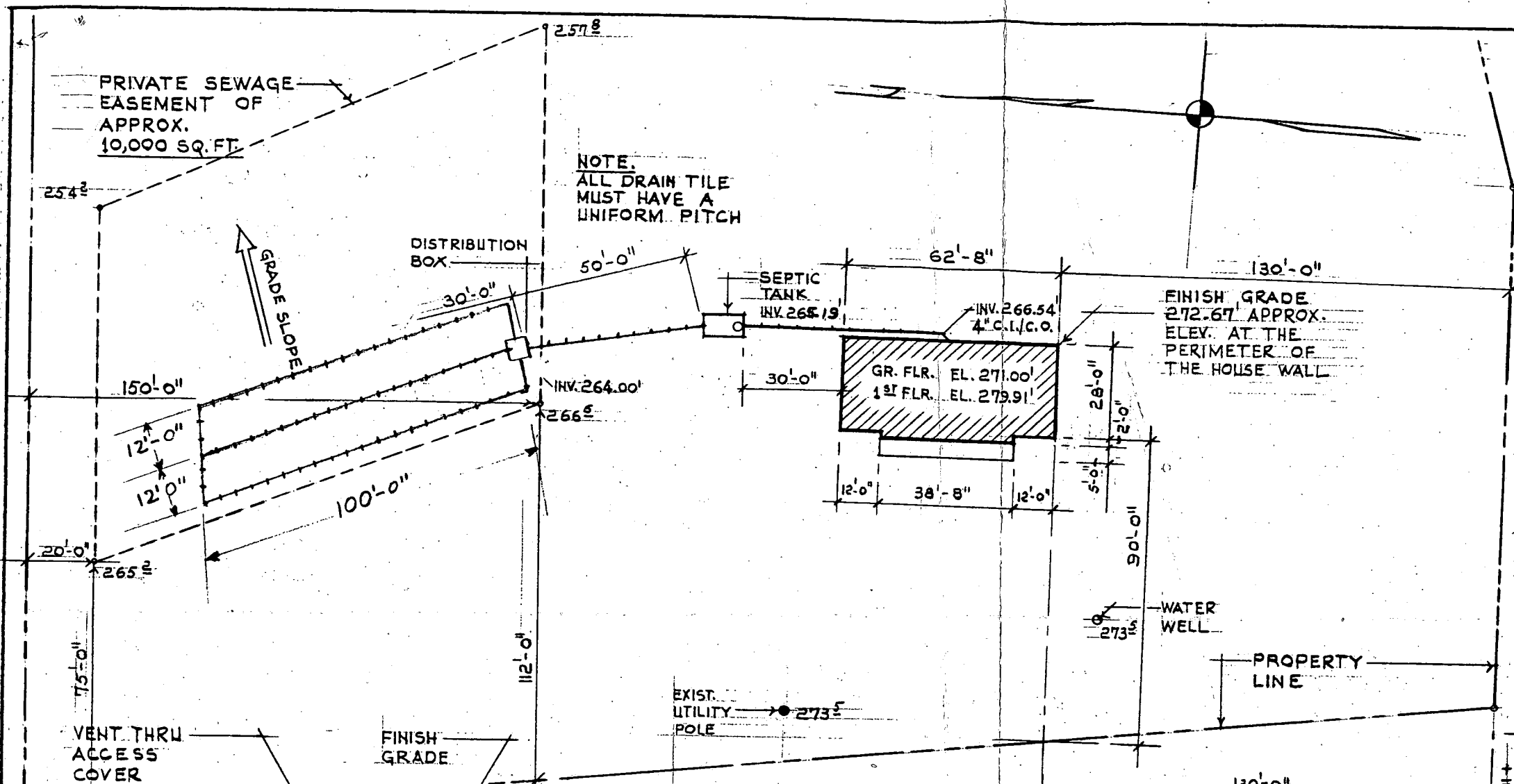
APPROVED: FOR PRIVATE WATER AND
PRIVATE SEWAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT

John Doyle 11-1-79
COUNTY HEALTH OFFICER DATE

TITLE PERCOLATION CERTIFICATION PLAT			
PROJECT LOT 3 ROY F. EMERY, ET AL, PROPERTY			
LOCATION 1 ST ELECTION DISTRICT, HOWARD CO, MD.			
DATE: 9/27/79	DESIGN BY:	DRAWN BY: BH	CHECKED BY:
SCALE: 1"=100'	JOB NO.: 77175	DRAWING NO.: 1 OF 1	

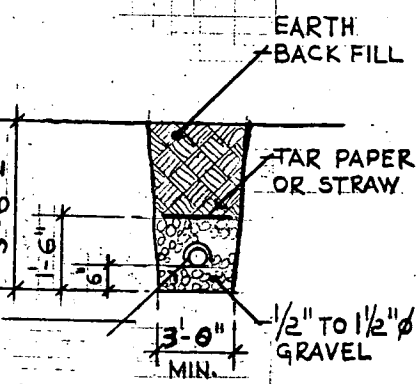
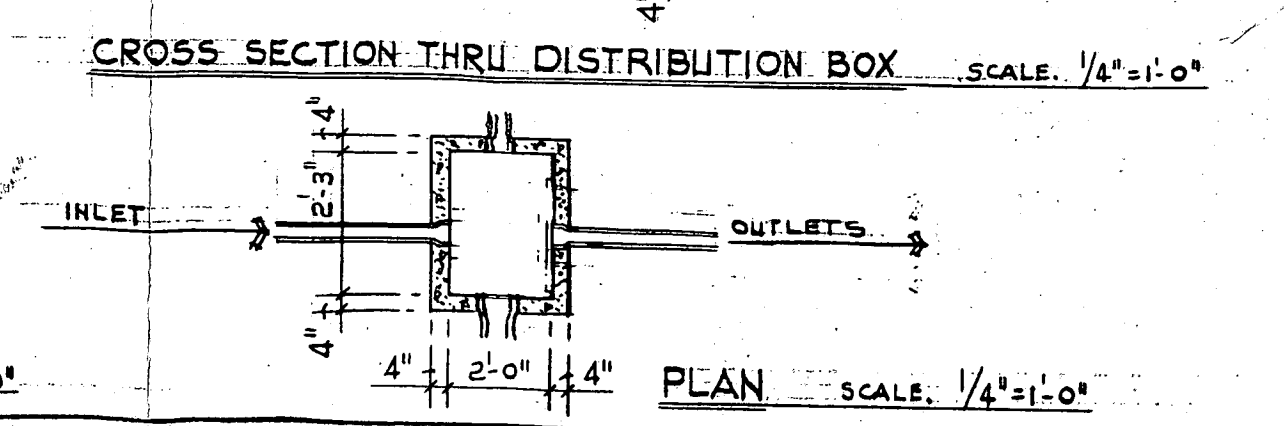
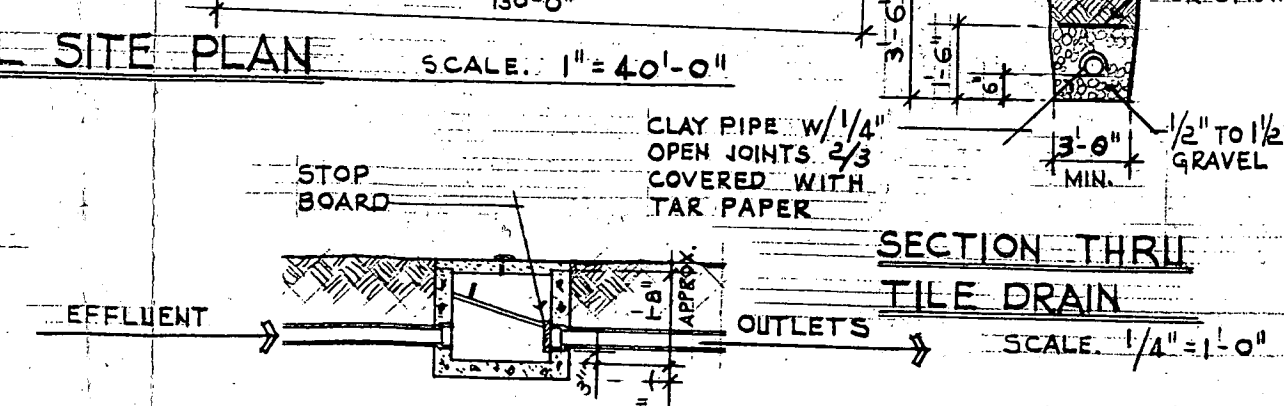
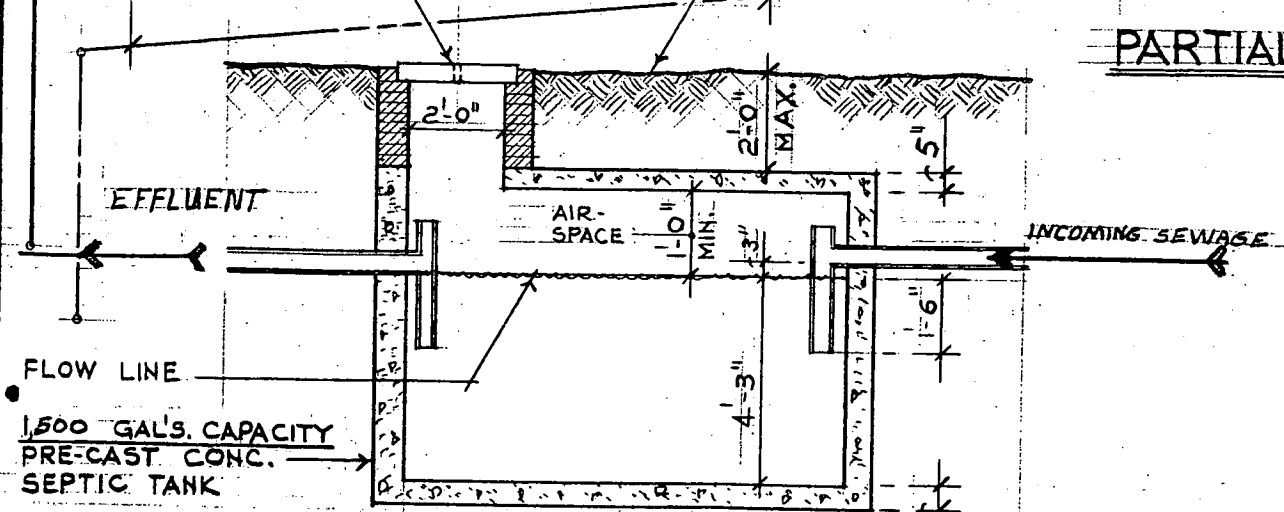
boender associates

engineers
surveyors
planners



CERTIFY THE ABOVE MEASUREMENTS AND ELEVATIONS (ACTUAL OR ASSUMED) ARE CORRECT FOR THIS PROPERTY, TO THE BEST OF MY KNOWLEDGE.

SIGNED: *Anthony C. Kiss*
3/11/80 *Revised Plan OK* BH



RESIDENCE FOR: MR. & MRS. ERNEST KISS

ELICOTT CITY, HOWARD COUNTY, MARYLAND

DRAWING. A 2

PARTIAL SITE PLAN

DATE: MARCH 13, 1980