

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 49178

A REPAIR

DISTRICT \_\_\_\_\_

DATE 4/22/93

DATE SYSTEM APPROVED 2/1/96

INSPECTOR [Signature]

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

INDEXED

Jack Fyock Septic Service

IS PERMITTED TO INSTALL \_\_\_\_\_ ALTER

ADDRESS 13755 Triadelphia Road, Glenelg, Maryland 21737 PHONE 988-9270

SUBDIVISION \_\_\_\_\_ LOT \_\_\_\_\_ ROAD 11946 Frederick Road

PROPERTY OWNER Norman Cavey Tim Gardner

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY \_\_\_\_\_ GALLONS

NUMBER OF BEDROOMS \_\_\_\_\_

\_\_\_\_\_ SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED \_\_\_\_\_

*Pump Test water rose from 6" to 13" above floor - had to come back another day to complete (to obtain 15 to continue) water just at bottom of float.*

REPAIR - Failing Septic System. Call for inspection when ground is opened so sanitarian can recommend repair.

*Near Test Hole #1 place a leaching bed approx. 35' x 15' in size; make bottom of bed level with down slope edge approx. 1 1/2 ft deep and up slope edge 2 ft deep. Place 1 ft of gravel below drain pipe and roughen soil (at ground level and cover with at least 1 ft of soil cover to prevent future bleeding at down slope edge. Use 500 gal pump pit (topsoil) near existing septic tank. If you elect to replace septic tank, use a topsoil one. R/W 8-27-91*

PLANS APPROVED BY Craig Williams cm DATE 8/27/91

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: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO 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 OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

HD-260(6-90)

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

OLD PERMIT SIGNED AND RETURNED 7-7-97 Serial # B0106680  
AND RETURNED 12-6-99 Serial # B01171543 addition - 3 bed room

8/27/91  
1:00 PM  
9/6/91 7 PM

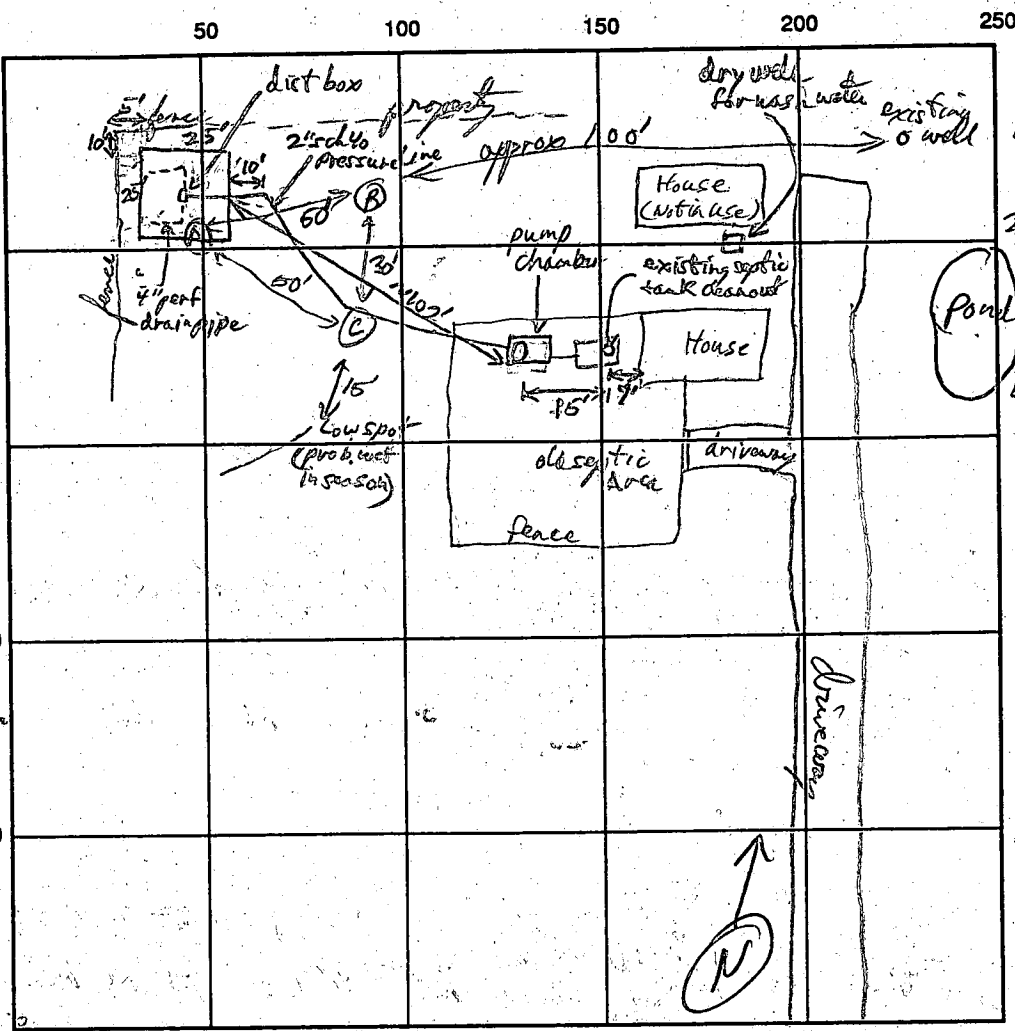
49178

Hole 1 6" hole 6" diam. prob hole @ 18-24" deep

1:30:50  
1:35:50  
1:43:30

**Hole 1**

6" Brn Bra (10YR 7/4)  
6" 1P 4 Yel Brn (10YR 6/4-5/8) KL  
18" 2 1/2 Yel Brn 10YR 6/6-5/8 HL 202 10YR 6/5-7/2 bottle  
2" Grey (10YR 7/6-4/2) matrix prismatic structure) 1/2 SL  
5" Sprinkle sandstone  
9 1/2" Yel Bra Orange 10YR 6/6 + 10YR 6/6 Mottled c 2d bottles  
Somewhat micaceous  
Dark Brn + orange SL; water seepage at 6'-7"  
Water @ 6'



**Hole 2**

Dark grey matrix HL  
at 6' 10YR 6/5-4  
2 1/2" 10YR 6/5-4 bottles  
Blue Brn matrix  
& some cobbles 0.5YR  
web SCL 7/0  
200 Red-Red Brn (2.5YR 4/8)  
60 SL wet-saturated  
active water seepage at 3ft  
6' water rose to 4 1/2'  
after 1hr

**Hole 3**

8" Topsoil 5YR 6/6  
Dry 10YR 6/6 CL-  
bottle  
2 1/2" Cobble grey loamy  
layer  
4 1/2" Red cast (2.5YR 4/8)  
6' Freewater at 5 1/2'  
RJP 9/29/91

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL existing / 500 gal pump chamber CLEANOUTS existing / Manhole to surface  
 DISTRIBUTION BOX LEVEL Top P.C. 3' under final grade  
 DRAIN FIELD/TITLE DEPTH \_\_\_\_\_ FT. TRENCH WIDTH \_\_\_\_\_ FT. INLET DEPTH \_\_\_\_\_ FT.  
 EFFECTIVE GRAVEL DEPTH \_\_\_\_\_ FT. TOTAL LENGTH \_\_\_\_\_ FT.  
 NUMBER OF TRENCHES \_\_\_\_\_ ONE SIDEWALL/BOTTOM AREA \_\_\_\_\_ SQ. FT.  
 DRYWALL INSIDE DIAMETER 25x25' square EFFECTIVE DEPTH BELOW INLET 1 1/2 FT. (2ft total depth downhill side, 3 1/2 ft total depth near rear lot corner)

REMARKS: Bed and last 30 ft of pressure line are install - OK to cover this part - Leave connection end of pressure line open for rest of inspection next week. RJP 9-6-91  
Pump chamber & pump installed but no electrical connection yet - all lines + bed are covered (tanked)  
I used a Goulds Model WED311M Effluent Pump, and a Super Single Pump Switch (Mercury Type)  
Mfg - S.J. Electro System, Inc of Detroit Lakes, Minn. - will set approx 1 ft on/off float settings to give approx 100 gal dose - has a check valve and shut off valve on line. RJP 9-10-91  
No further contact since last observation, presume system is working OK RJP 9/1/96  
 DATE SYSTEM APPROVED 7/1/96 INSPECTOR RJP

# PERMIT

P 25757

A Repair

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 3rd

## INDEX

DATE 5/3/77

Norman C. Cavey, Jr.

IS PERMITTED TO INSTALL \_\_\_\_\_ ALTER X

ADDRESS 9950 Baltimore National Pike, Ellicott City, Md. PHONE \_\_\_\_\_

A SEWAGE DISPOSAL SYSTEM LOCATED AT \_\_\_\_\_

SUBDIVISION \_\_\_\_\_ ROAD 11946 Frederick Road LOT \_\_\_\_\_  
on right hand side going toward Lisbon

PROPERTY OWNER Mr. & Mrs. Norman C. Cavey, Sr.

ADDRESS 11946 Frederick Road, Ellicott City, Md.

SPECIFICATIONS 3 bedrooms

DRAIN FIELD \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET, BOTTOM AREA \_\_\_\_\_ SQ. FT.

SEEPAGE PITS \_\_\_\_\_ ABSORBENT SIDE-WALL AREA \_\_\_\_\_ SQ. FT.

SEPTIC TANK CAPACITY 1000 GALLONS

FOR GARBAGE GRINDER, INCREASE DISPOSAL AREA 22% & TANK CAPACITY 50%.

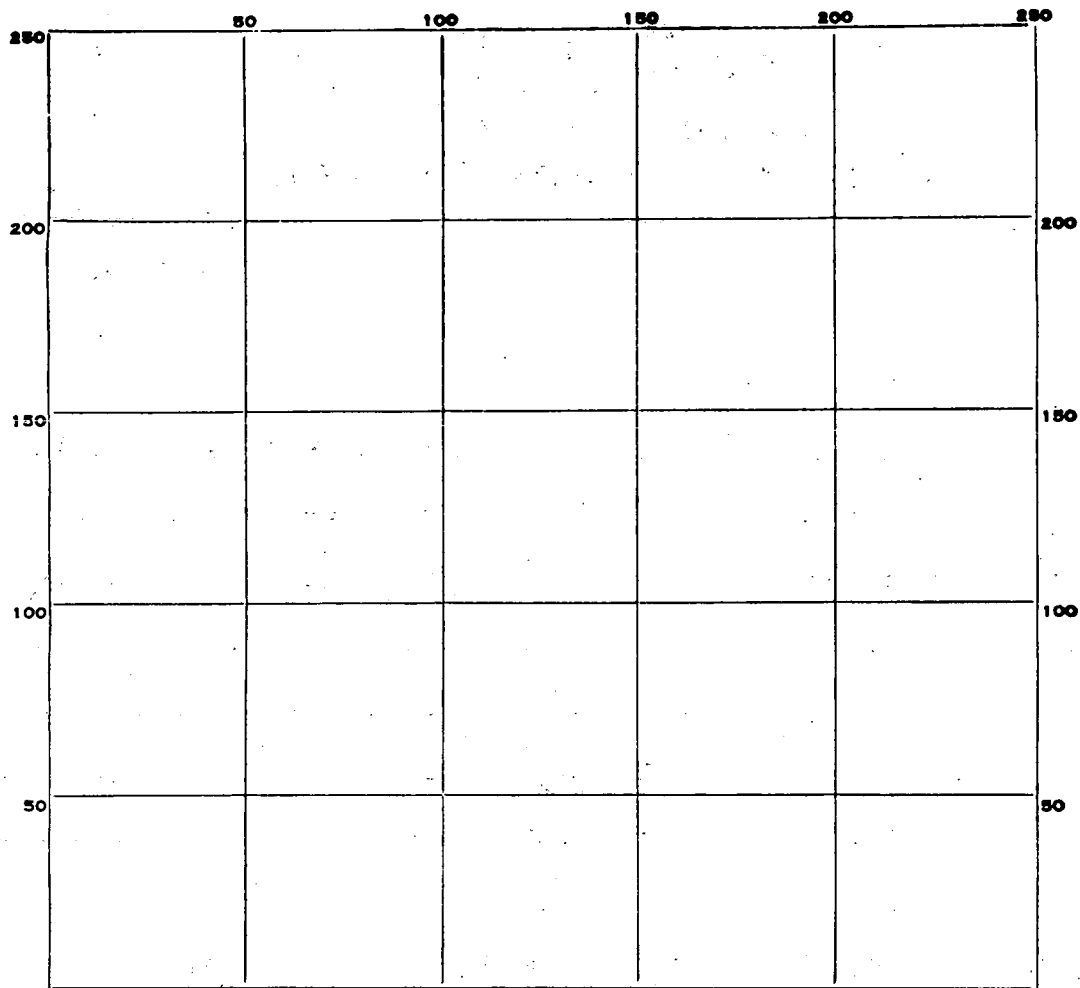
OTHER REPAIR - Call for inspection when ground is opened up and Sanitarian will recommend repair system.

PLANS APPROVED BY Palmer F. Wine DATE 5/3/77

FILL SEPTIC TANK AND DISTRIBUTION BOX WITH WATER BEFORE CALLING FOR AN INSPECTION. COVER NO WORK UNTIL INSPECTED AND APPROVED.

NEITHER THE HOWARD COUNTY COMMISSIONERS NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

25757



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD \_\_\_\_\_

SEPTIC TANK, LEVEL \_\_\_\_\_ CLEANOUTS \_\_\_\_\_

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 \_\_\_\_\_ FT. DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

DATE SYSTEM APPROVED \_\_\_\_\_ INSPECTOR \_\_\_\_\_

REGION \_\_\_\_\_

AREA \_\_\_\_\_ RATING \_\_\_\_\_

ACKNOWLEDGMENT AND CONTROLS	DATE

Howard County Department of Health  
 BUREAU OF ENVIRONMENTAL HEALTH  
 RECORD OF INVESTIGATION

DISPOSITION	DATE

INDEXED

LOCATION 11946 Frederick Road ZIP 531-2934

OWNER  OCCUPANT  MR. CAVEY ADDRESS SAME PHONE <sup>(A)</sup> 431-2934

COMPLAINANT \_\_\_\_\_ ADDRESS \_\_\_\_\_ PHONE <sup>(O)</sup> 465-7261

REASON FOR INVESTIGATION Replacement Well, Abandonment of hand dug well.  
possible septic problems.

RECEIVED BY Sean Becker DATE 7/22/88 ASSIGNED TO \_\_\_\_\_ DATE \_\_\_\_\_

DATE OF INVESTIGATION 7/22/88 TIME 2:30 WEATHER \_\_\_\_\_

REPORT - Possible septic problems, possible failure. Area behind house  
is very wet possible ground water contamination from septic.  
Owner explained that hand dug well will be abandoned.  
Well site approved.

12-6-88 Called Mr. Cavey. He stated the existing septic area was functioning  
properly and the old hand dug well was still on property. Mr. Cavey stated he  
would arrange for a water sample after confirmation with his wife. JEN

12-9-88 Mrs Cavey called. I returned call & left a message. JEN

12-29-88 I called & left message on answering machine. Mrs. Cavey returned  
call. Stated her septic area was ok & unclear as to why water samples  
were needed for new well. After state regulations were explained to her Mrs.  
Cavey agreed to call back for a water sample once she confirmed time  
with her husband. Notified Mrs. Cavey that a dye test would be run at the  
same time to determine septic condition. She said they were considering  
using the old hand dug well for irrigation and that it was not connected  
to the home now. JENadeau

DATE SUBMITTED 7/22/88 SANITARIAN J. Becker

C1 9604

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 COLUMNS 3-6 ON ALL CARDS)

COUNTY NUMBER A 42183 W

DATE RECEIVED

DATE WELL COMPLETED 091988

Depth of Well 128 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HQ-88-0069

OWNER CAVEY last name DAVIN first name STREET OR RD 1746 FREDERICK ROAD TOWN SUBDIVISION 1012 # 16 Parcel # 99 SECTION LOT

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Rows include Dirt, Red & Brown sand & clay, Hard black rock, Hard brown sandstone, Hard black sandstone, Hard black & blue sandstone, Hard blue, brown & black sandstone.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT CM, BENTONITE CLAY BC, NO. OF BAGS 18, NO. OF POUNDS 1692, GALLONS OF WATER 108, DEPTH OF GROUT SEAL 31 ft.

CASING RECORD: casing types insert appropriate code below, MAIN CASING TYPE ST, Nominal diameter 6, Total depth of main casing 33.2.

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from, to. Rows include P I 4 0 40 and P I 4 120 130.

SCREEN RECORD: screen type or open hole insert appropriate code below, SCREEN RECORD: ST, BR, HO, PL, OT.

DEPTH (nearest ft.) table with columns: E A C H S C R E E N, 1 2, 3. Rows include P L 40 50 and P L 110 110.

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...

DRILLERS IDENT. NO. 296 Ronald L. Kyker

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

SLOT SIZE 1 020 3, DIAMETER OF SCREEN 4 (NEAREST INCH)

GRAVEL PACK from 128 to 30, IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

DEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.), WQ, TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST: HOURS PUMPED 3, PUMPING RATE 15, METHOD USED TO MEASURE PUMPING RATE Submersible, WATER LEVEL 7 FT, WHEN PUMPING 24, TYPE OF PUMP USED S submersible.

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES NO, TYPE OF PUMP INSTALLED S, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT 2 (nearest foot).

LOCATION OF WELL ON LOT: SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL). BT 144

Norman C. Cavey, Jr.  
11946 Frederick Road  
Ellicott City, Maryland 21043

#Ho-88-0069  
A# 42183W

LOG OF FIRST HOLE - 73 Feet

Stone	0	1
Soft Brown Sand & Gravel	1	12 <u>X</u>
Brown Clay & Sand	12	60 <u>X</u>
Soft Brown Sandstone	60	65
Hard Black & Blue Sandstone	65	73

Well fell in - Could  
not go any deeper.

24 Bags Cement to  
Backfill

FREDERICK ROAD  
66' R/W

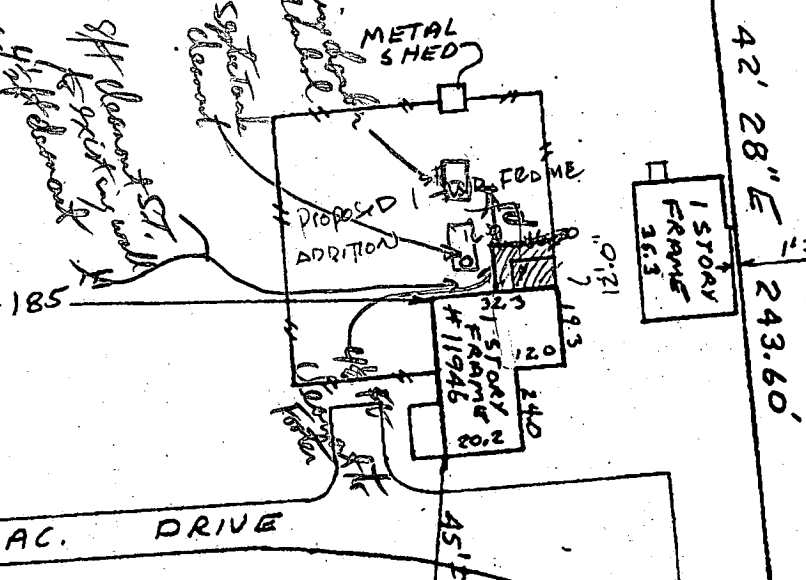
N 61° 27' 15" W 199.31'

N 23° 25' 29" E 251.51' P.O.B & IRON  
5TH LINE OF 126/199  
1608.58'

KENNETH E. BROWN  
L 1109/F425

NORMAN C. CAVEY JR  
LIBER 1837 FOLIO 213  
1.327 AC

8001066 876  
No crane  
Cable as per  
Thru existing  
Trench & pump  
still acceptable per  
6/16/91  
9/19/91



Subject property is shown in Zone C  
the National Flood Insurance Program  
lood Insurance Rate Map of HOWARD  
County, Maryland. Panel # 16 SF 43  
Community Panel # 240044 0016B  
Effective Date: DEC 4 1986

This is to certify that I have surveyed the  
property shown hereon, being the same property  
described in a deed from NORMAN C. CAVEY JR.  
TO NORMAN C. CAVEY JR & LINDA C. CAVEY  
and recorded among the land records of HOWARD  
COUNTY in Liber 1837 Folio 213 for the  
purpose of locating the improvements thereon.

THIS PLAT SHOWS ONLY THAT THE IMPROVEMENTS ARE  
CONTAINED WITHIN THE OUTLINES OF THE LOT AND IS  
NOT TO BE USED TO ESTABLISH PROPERTY LINES.

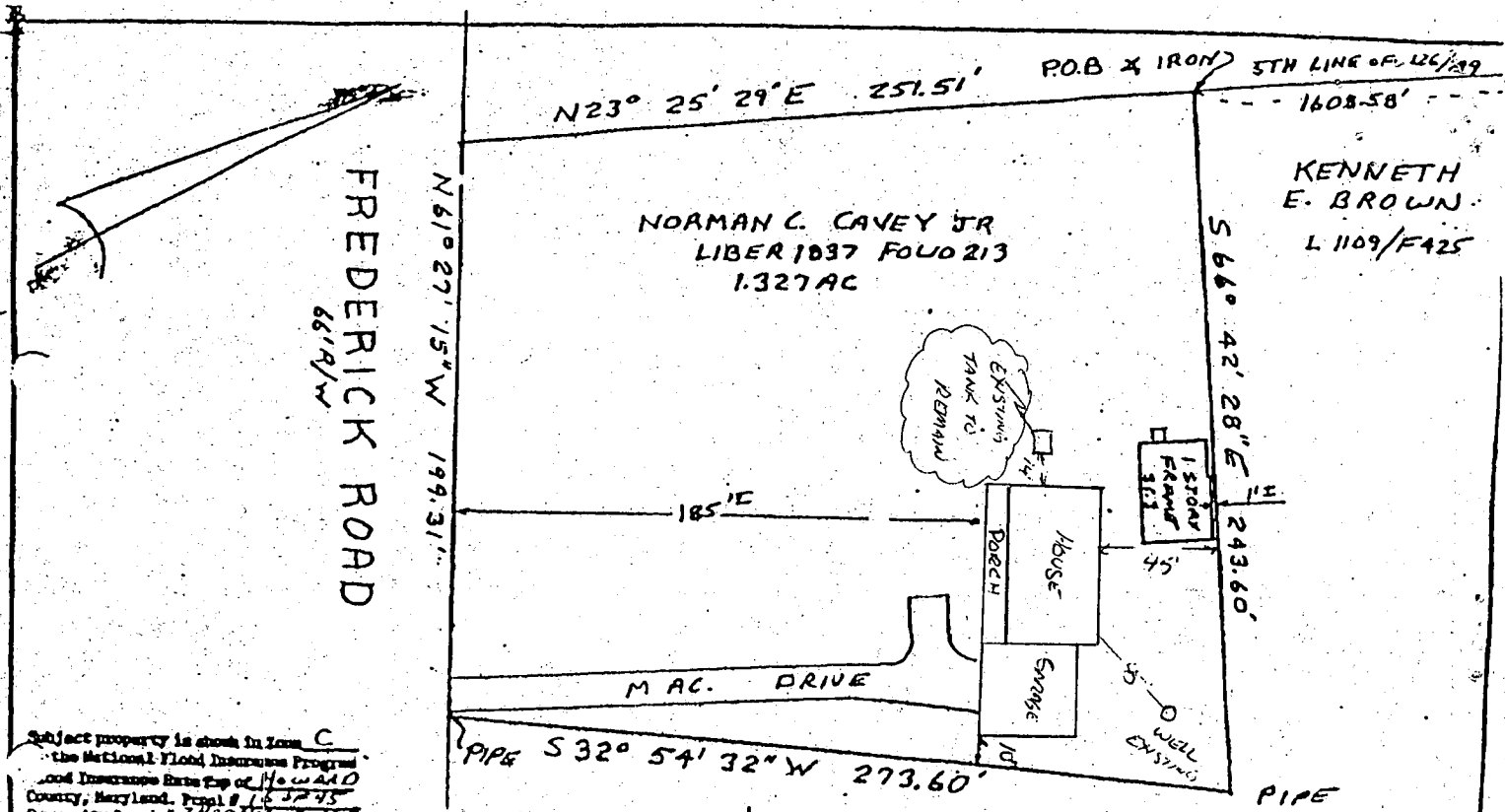


J. Carl Hudgins PLS#96

LOCATION SURVEY  
11946 FREDERICK ROAD  
3RD ELECTION DISTRICT  
HOWARD COUNTY MD

NTT ASSOCIATES, INC.  
16205 Old Frederick Road  
Mt. Airy, Maryland 21771  
Phone 442-2031

Scale 1"=50'  
Date 11-22-91  
Field By JCH  
Drawn By JCH  
Drawing # E3164.91



Subject property is shown in Zone C  
 of the National Flood Insurance Program  
 Flood Insurance Rate Map of HOWARD  
 County, Maryland. Panel # 16-2745  
 Community Panel # 3400547 00167  
 Effective Date: DEC 2 1996

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