

7/0/1/87  
9:30 AM

05-398207

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 5th

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

INDEXED

DATE 9/02/87

DATE SYSTEM APPROVED 10/7/87

INSPECTOR RJH

P 4/10/1  
A 31922

C. C. Cissel IS PERMITTED TO INSTALL  ALTER

ADDRESS 14079 Brighton Dam Road, Clarksville, Maryland PHONE 854-2006

SUBDIVISION Haviland Mill Overlook ROAD 6477 ~~11696~~ Haviland Mill Rd LOT 2

PROPERTY OWNER James McConnell

ADDRESS \_\_\_\_\_

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES \_\_\_\_\_ NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 200 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 4 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Start the first trench 160 feet from the left (400') lot line and 155 feet from the front (264') lot line. Run trench(s) along contour toward front of property.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

DUE TO CONTOURS AND RELATIVE PROXIMITY OF WELL, WILL NEED 2-60' TRENCHES INSTEAD OF 1 EXTRA LONG.

*CHSA*

PLANS APPROVED BY C. Williams DATE 8/14/86

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.

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 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

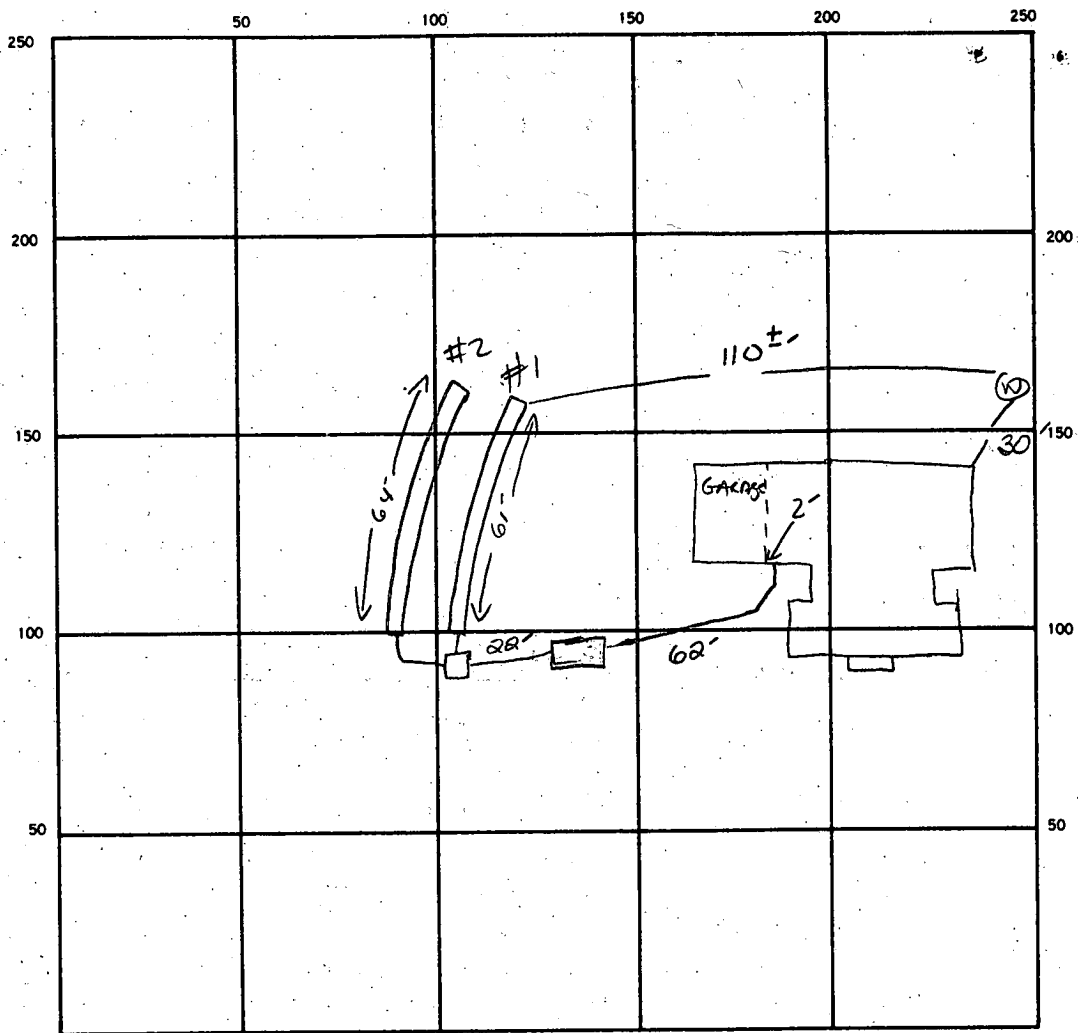
REG. PERMIT SIGNED  
AND RETURNED 5/29/88  
Serial # 17296  
*Mark Jensen*

A 31922

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

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

EH - 2-1186



128  
5/100  
10

INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

SEPTIC TANK LEVEL ✓ 1000 GAL CLEANOUTS ST  
OK

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD/TILE FIELD. DEPTH 9 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 5 FT. TOTAL LENGTH ① 61 ② 64 TF 125 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 625 SQ. FT.

DRYWELL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 625 SQ. FT.

REMARKS 9/30 OKT<sup>o</sup> ADD STONE TO BOTH TRENCHES S. AGW / NEED SFC/D CONNECT MANHOLE  
10/1/07 - STONE ADDED & CLEANOUT OK

DATE SYSTEM APPROVED 10/1/07 INSPECTOR Raymond Hodge

SUBDIVISION: NAVILAND MILL OVERLOOK

LOT NUMBER: 2

DRY WELL OR DRY WELL AND TRENCH

\_\_\_\_\_ sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet \_\_\_\_\_ feet below original grade.

Bottom maximum depth \_\_\_\_\_ feet below original grade.

Effective area begins at \_\_\_\_\_ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with \_\_\_\_\_ feet of stone below distribution pipe.

TRENCHES

200 sq. ft./bedroom

Trench to be 2 wide.

Inlet 4 feet below original grade.

Bottom maximum depth 9 feet below original grade.

Effective area begins at 4 feet below original grade.

5 feet of stone below distribution pipe.

3-110  
Cissel

120
5 1600
.5
10

- NOTE:
- (1) No trench to exceed 100 feet in length.
  - (2) If more than one trench used, a distribution box is required.
  - (3) Trenches to be installed on level ground.
  - (4) Call for inspection of trench before gravel is installed.
  - (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell.
  - (6) If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

LOCATION: START THE FIRST TRENCH 160' FROM  
THE LEFT (400') LOT LINE AND 135' FROM THE  
FRONT (264') LOT LINE. RUN TRENCH(S) ALONG  
CONTOUR TOWARD FRONT OF PROPERTY.

8/14/86 CWilliam

DUE TO CONTOURS AND RELATIVE PROXIMITY OF WELL,  
WILL NEED 2-60' TRENCHES INSTEAD OF 1 EXTRA LONG

PRELIMINARY

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 31922

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

DISTRICT 5th

DATE 5/7/82

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 ~~Sabrina 99~~ JAMES M<sup>C</sup> CONNELL

ADDRESS \_\_\_\_\_ PHONE Carl Hudgins - 321-0307

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. 2

ROAD AND DESCRIPTION 11696 Havilland Mill Road

SIZE OF LOT 3.5 acres TYPE BLDG. 3 or 4 bedrooms  
(NUMBER OF 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. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Carl Hudgins for Sabrina 99  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

BLDG. PERMIT SIGNED  
AND RETURNED 5-8-82  
BPT# 11696  
S Abel

# THIS IS NOT A PERMIT

PRELIMINARY

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND · DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 31922

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

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(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

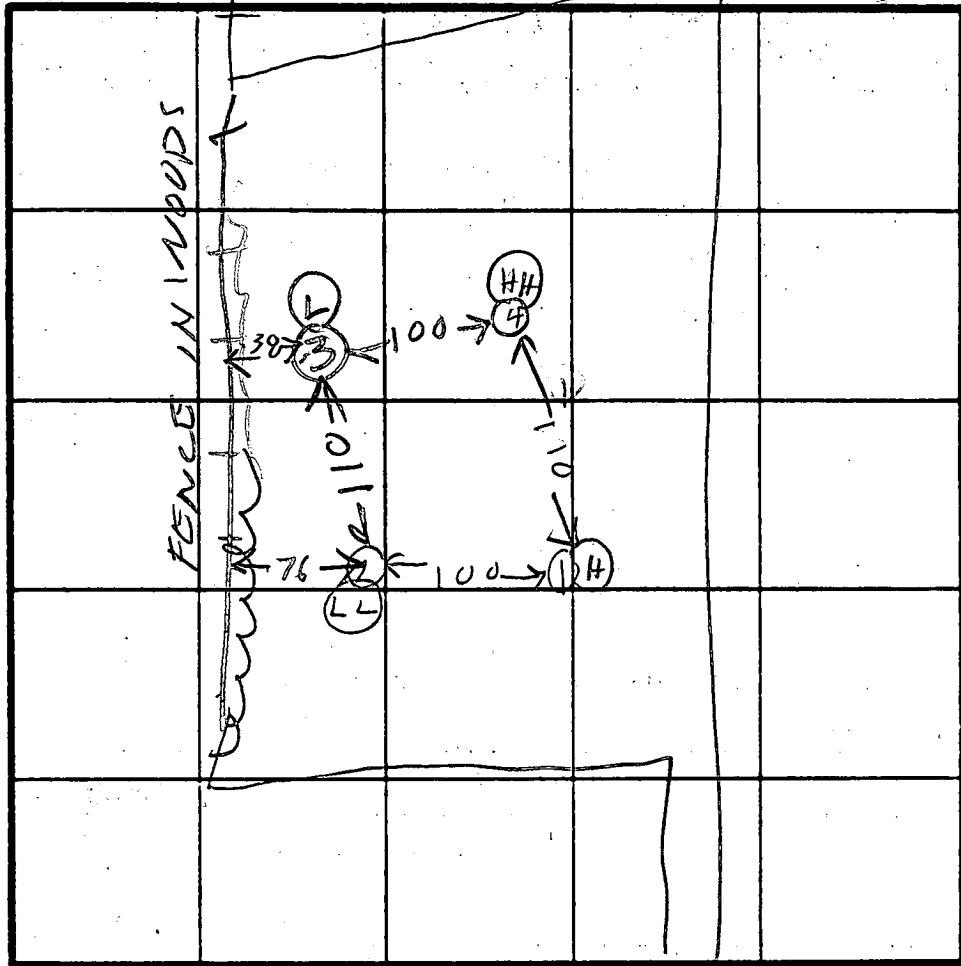
REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

# THIS IS NOT A PERMIT

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

HAVILLAND MALE RD

DATE	TEST NO.	DEPTH.	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/13/82	1 D	9	1137	1141	1141	1149	8
	1 S	4 1/2	1137	1141	1141	1149	8
	2 S	4 1/2	1142	1147	1147	1155	8
	2 D	7 1/2	1142	1147	1147	1155	8
	2 V	13 1/2	TOP 3	FT BROWN CLAY			
			BOF	BROWN SANDY			
	3 S	4 1/2	1157	1200	1200	1203	3
	3 D	8	1157	1200	1200	1209	9
	4 S	4 1/2	1203	1223	little slow		
	4 D	7 1/2	1203	1210	1210	1220	10
	4 M	5 1/2	228	229	229	230	2
	4 V	14 1/2	TOP	5 FT CLAY			
			BOT	9 FT PINK SANDY			

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY R. HODGES

ALSO PRESENT KETTERMAN FAMILY  
C HUDGINS

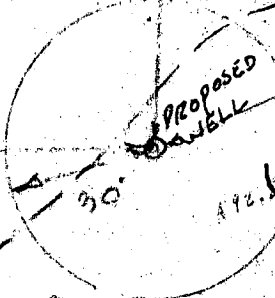
E11-12-1079

N 57° 18' 25" E

400.00'

480

490

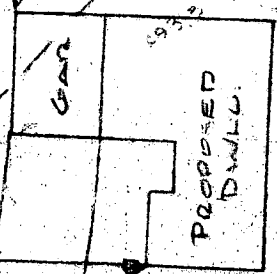


PROPOSED DWELL  
140'  
7/24/86

(A)

328.00

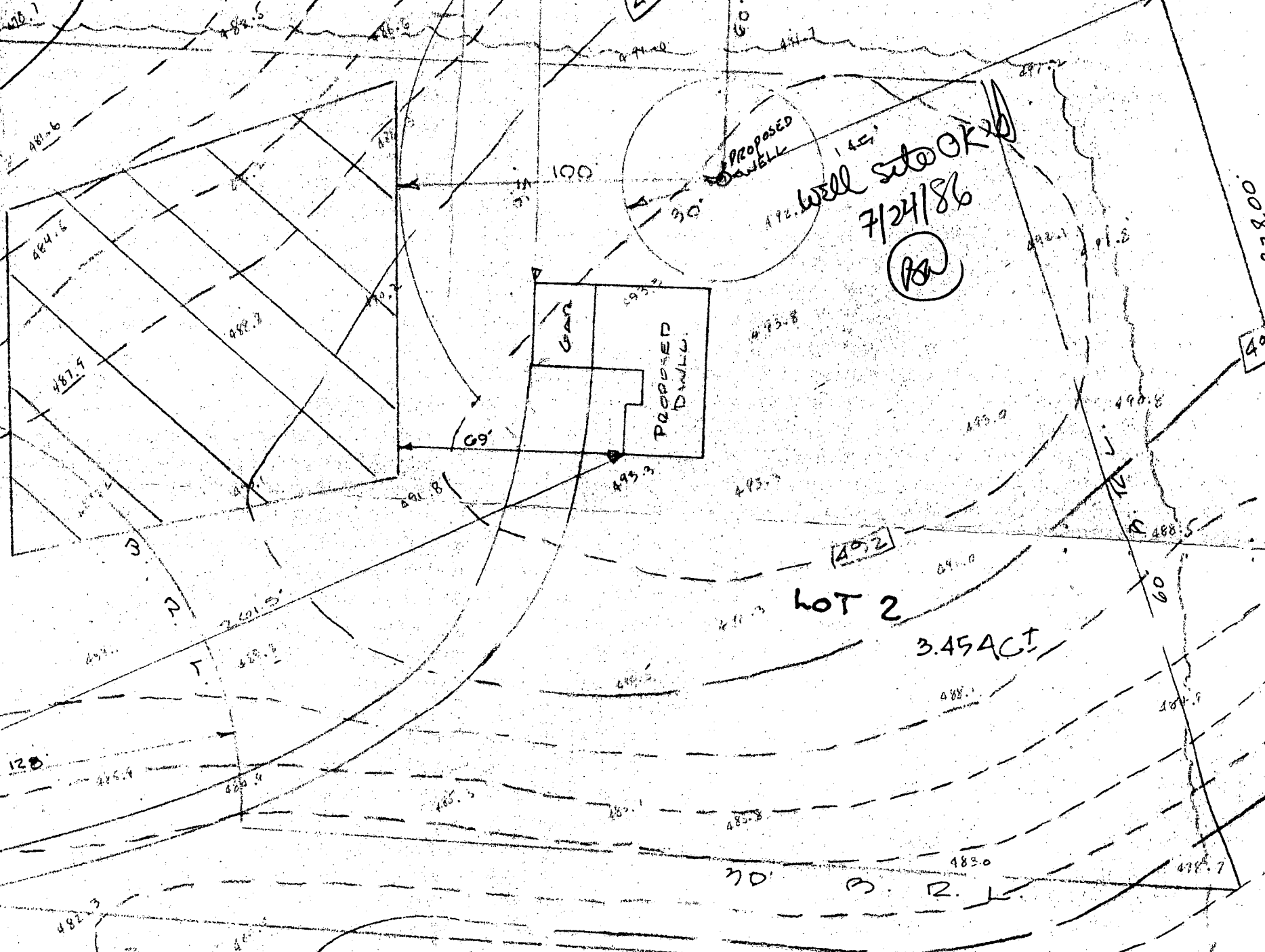
490



LOT 2

3.45 AC.

402



48" RAIL & WIRE  
PROPOSED FENCE  
BY OWNER

S 22° 25' 17" E 310.00'

100.0'

60'

B.P.L.

ACCESS

130'

12' x 12'

PROPOSED POOL

EXISTING CONCRETE DECK

PROPOSED CONCRETE DECK

N 87° 18' 35" E

30' B.P.L.

30' x 30' TANK

LOT 2  
3.45 AC

B.P.L.

ACCESS

128'

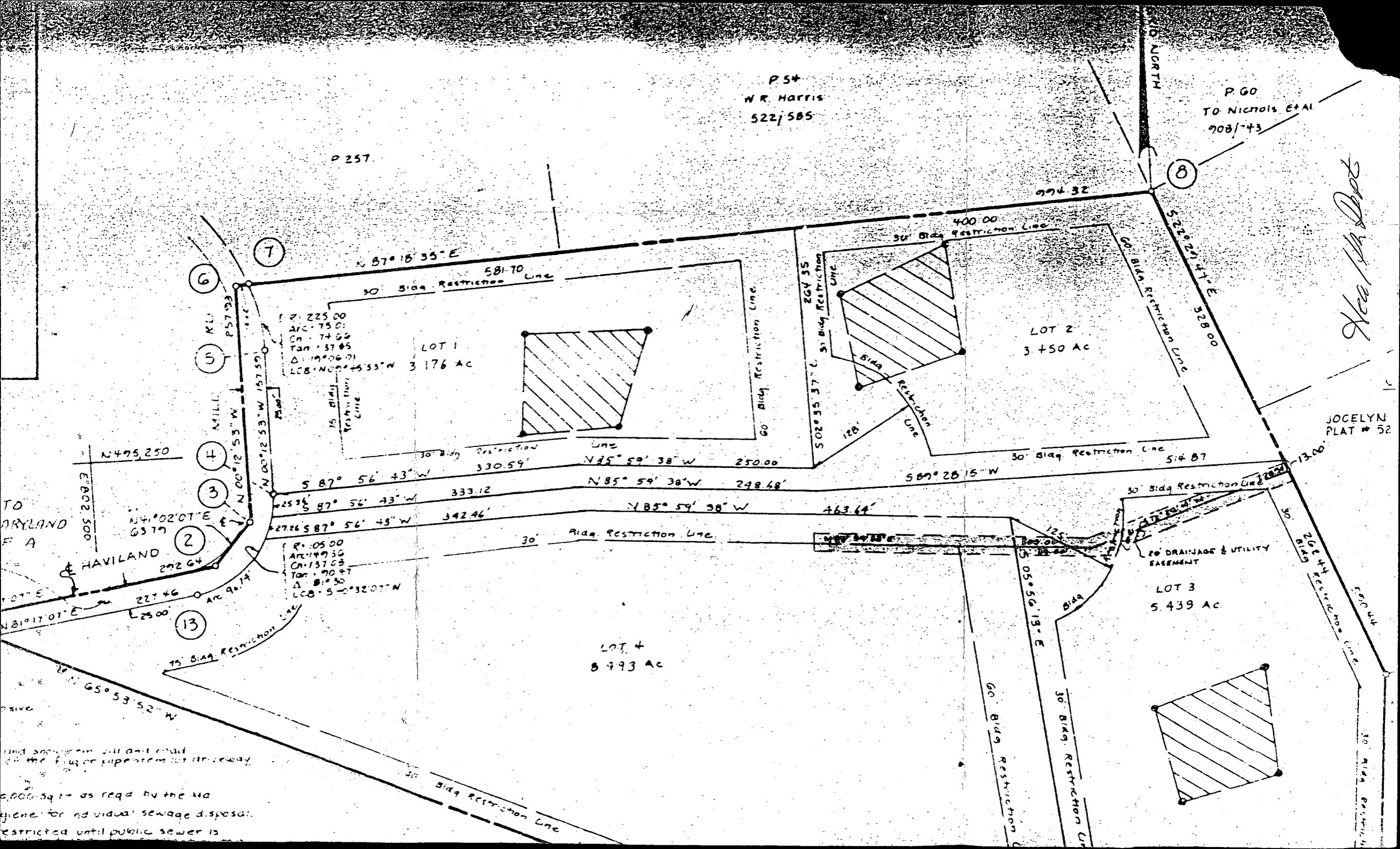
N 2° 35' 37" W - 264.36'

LOT 1

ACCESS

30' B.P.L.





P 54  
W R HARRIS  
522/585

P. 60  
TO NICHOLS ET AL  
908/743

P 257

R: 225.00  
Arc: 75.00  
Ch: 74.56  
Tan: 37.85  
Δ: 19.06.31  
LCB: N 00° 55' 53" W 3176 AC

R: 105.00  
Arc: 49.50  
Ch: 137.08  
Tan: 90.97  
Δ: 81° 30'  
LCB: S 40° 32' 07" W

*See 1st Dept*

JOCELYN  
PLAT # 52

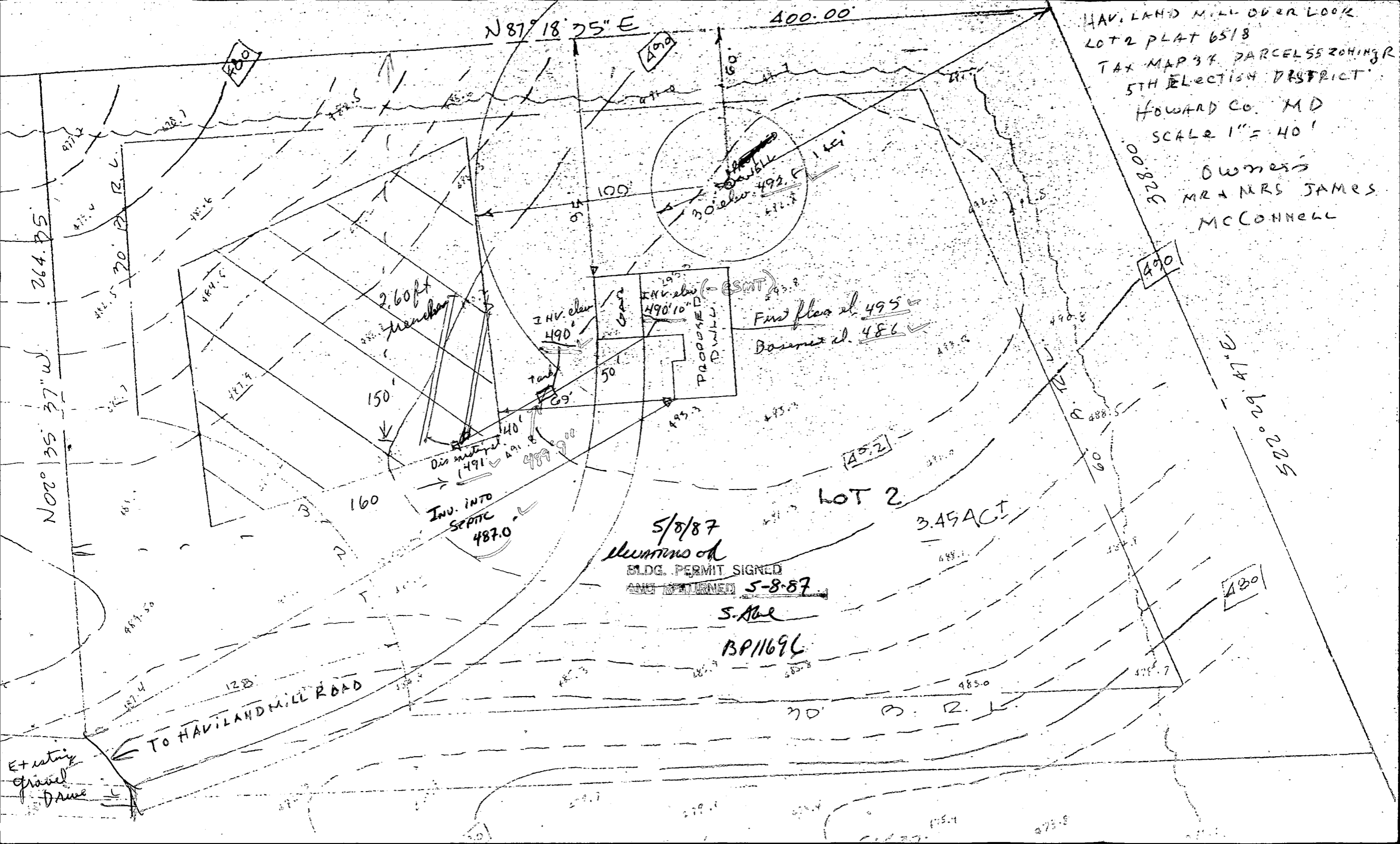
TO  
HAYLAND  
E A

HAVILAND

and shall remain until and road  
for the flow of pipe system for driveway

5,000 sq ft as reqd by the HA  
for individual sewage disposal  
restricted until public sewer is





HAVILAND MILL OVERLOOK  
 LOT 2 PLAT 6518  
 TAX MAP 37 PARCELS ZONING R  
 5TH ELECTION DISTRICT  
 HOWARD CO. MD  
 SCALE 1" = 40'

Owner's  
 MR & MRS JAMES  
 MCCONNELL

5/8/87  
 drawings of  
 BLDG. PERMIT SIGNED  
 AND RETURNED 5-8-87  
 S. Abel  
 BP11696

LOT 2  
 3.45 ACT

PROPOSED DWELL  
 30' clear 492.5'  
 492.5'

PROPOSED BLDG  
 First floor el. 495  
 Basement el. 486

Inv. into SEPTIC 487.0  
 Dis. into 491

2.60ft driveway

TO HAVILAND MILL ROAD

Existing gravel Drive

N 02° 35' 37" W 264.85

N 87° 18' 25" E 400.00

N 71° 29' 47" E 225

70' P. R. L.

008.26

490

480

400

400

40.2

127.4

144.5

140.6

140.6

140.6

140.6

160

150

140

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C1 5237

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER

A-37347

DATE RECEIVED

DATE WELL COMPLETED

8 13

09/08/86

Depth of Well (TO NEAREST FOOT) 245

PERMIT NO. FROM "PERMIT TO DRILL WELL" HD-81-1606

OWNER

MCCONNELL

STREET OR RFD

HAVILAND MILL RD

first name

SIM

TOWN

HIGHLAND

SUBDIVISION

HAVILAND MILL OVERLOOK

SECTION

LOT 2

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 FROM TO Check if water bearing

Table with 3 columns: DESCRIPTION, FEET FROM, FEET TO. Includes handwritten entries: SAND, Carry down Rock, 0-72, 72-245.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N

TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC

NO. OF BAGS NO. OF POUNDS

GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 50 ft.

(enter 0 if from surface)

CASING RECORD casing types insert appropriate code below

MAIN CASING TYPE Nominal diameter top (main) casing Total depth of main casing (nearest foot)

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

SCREEN RECORD screen type or open hole insert appropriate code below

Table for SCREEN RECORD with columns for depth (feet) and rows for screen sections.

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION"

DRILLERS IDENT. NO.

DRILLERS SIGNATURE

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

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

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

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min. to nearest gal.) 12

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface) BEFORE PUMPING

WHEN PUMPING

TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO (CIRCLE) (YES OR NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE

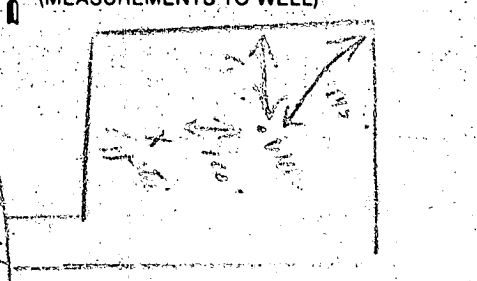
CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

LAND SURFACE (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)





APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

Howard County Health Department  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Court House Square  
Ellicott City, Md. 21043  
461-9933

New Installation   
Replacement

Receipt # 39934  
Date 8/20/87

Name of Installer Craze P+H Inc

Telephone 531-3311

License number 2356  
Certified Well Pump Installer

Well Driller

Registered Plumber

Name of Property Owner James McConnell

Telephone \_\_\_\_\_

Subdivision Haviland mill

Lot # 2

Well tag # \_\_\_\_\_

Site Address 6477 Haviland mill Rd  
Highland, md. 20117

Pump

1. Type  
a. Deep well jet \_\_\_\_\_  
b. Shallow well jet   
c. Submersible

2. Make GOULDS

3. Model # \_\_\_\_\_

4. Capacity \_\_\_\_\_ GPM

5. Pump exceeds well capacity Yes \_\_\_\_\_ No

6. If Yes, is low pressure cutoff switch installed? Yes  No \_\_\_\_\_

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors \_\_\_\_\_ Cable guards \_\_\_\_\_ Other

Motor

1. Horsepower \_\_\_\_\_  
2. RPM \_\_\_\_\_  
3. Voltage \_\_\_\_\_  
a. 110 \_\_\_\_\_  
b. 220

Pitless Adapter

1. Make \_\_\_\_\_  
2. Model # \_\_\_\_\_  
3. Depth \_\_\_\_\_

Tank

1. Capacity 100 gal  
2. Pressure relief valve? yes

Piping

1. Type PLASTIC  
2. Size 1"  
3. NSF and/or BOCA Code approved \_\_\_\_\_  
4. Depth of supply line \_\_\_\_\_

Well data

1. Depth \_\_\_\_\_ ft.  
2. Yield \_\_\_\_\_ GPM  
3. Static water level \_\_\_\_\_ ft.  
4. Will water supply be disinfected by installer? \_\_\_\_\_

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Charles J. Craze

Date: 8-14-87

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.