

11/6/88 9:30 APPT.
MEET CONTRACTOR.

TAX # ~~0587137~~
05381737

PERMIT

P 40313

A 40312

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT 5th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE 10/20/87

DATE SYSTEM APPROVED 1-6-88

INSPECTOR S. Alve

INDEXED

E. J. Whelan Company Beltsville IS PERMITTED TO INSTALL X ALTER

ADDRESS 16855 MIDCITY AVE BELTSVILLE 0705 PHONE 9375100

SUBDIVISION Allnutts Farms ROAD 13484 ^{OPEN} Opne Space Court LOT 16, Section 4

PROPERTY OWNER Daniel Main

ADDRESS _____

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

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 2000 gallons with garbage disposal
1250 GALLONS NUMBER OF BEDROOMS 4

~~TRENCHES - 220 sq. ft. per bedroom with garbage disposal~~
~~180 sq. ft. per bedroom. With garbage disposal = 220 sq. ft. per bedroom.~~
Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 1/2 feet below original grade. Effective area begins at 4 feet below original grade. 4 1/2 feet of stone below distribution pipe.

LOCATION - To be determined at the time of reperc. NOTE: MAINTAIN 100 FEET MINIMUM DISTANCE FROM WELL TO SEPTIC SYSTEM.

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

PLANS APPROVED BY B. Nixon DATE 9/26/86

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES.

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.

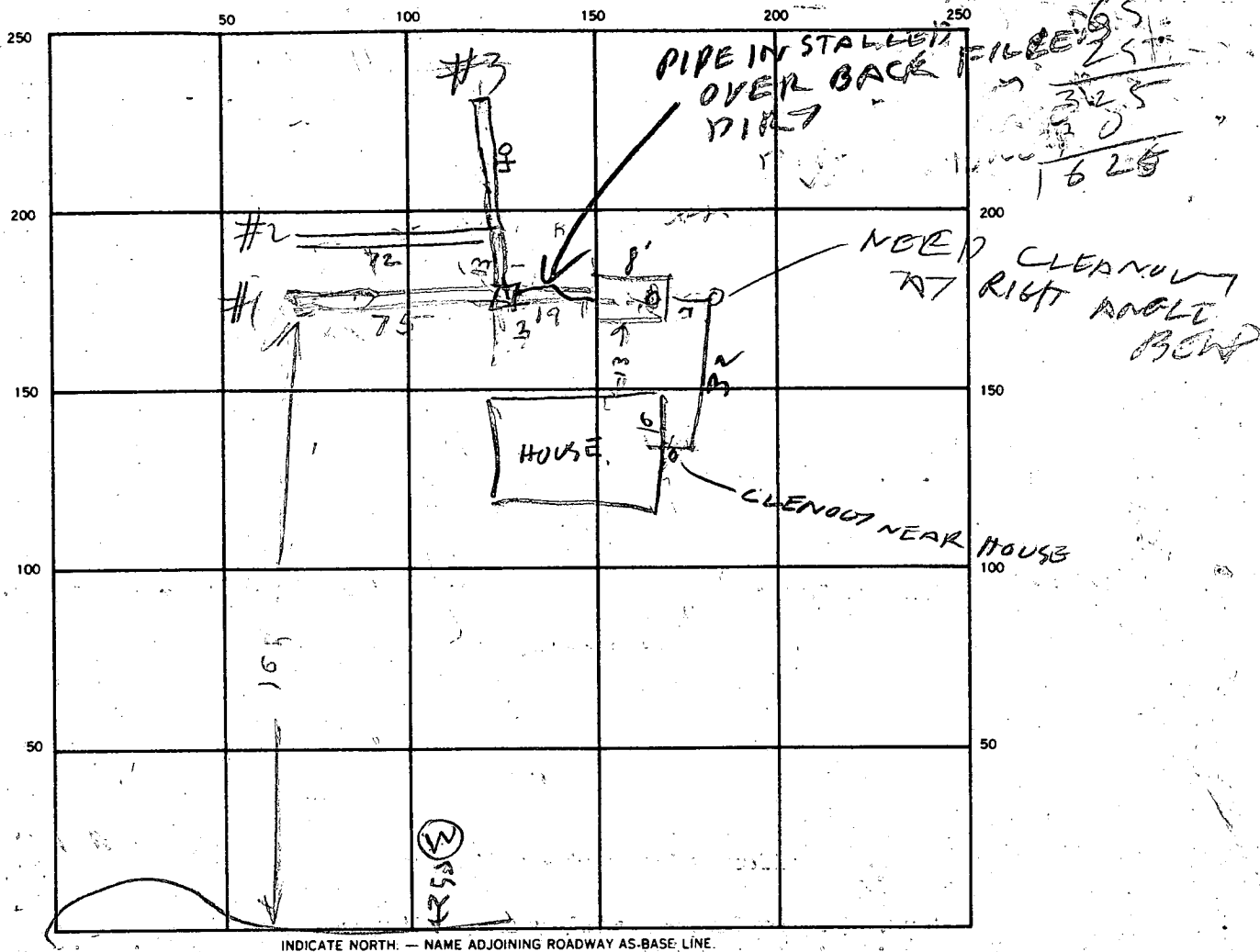
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT**

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 40312



Permit card on back door

SEPTIC TANK LEVEL 2000 ✓ CLEANOUTS MANHOLE 90° AT HOUSE AND 90°

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD/TILE FIELD. DEPTH 1 1/2 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 24 FT. TOTAL LENGTH 35 FT. 72 FT. 53 FT. 0 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 1000 SQ. FT. 800

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

ABSORBENT AREA 800 SQ. FT.

REMARKS 12/23/87 - LOCATION OK - TRENCHES DUG ADD
STONE FINISH JOB 12/31/87 - TRENCHES PARTLY STONED
TRENCH BETWEEN TANK & BOX BACK FILLED WITH EARTH
SOLID PIPE LAYED ON FILL EARTH. DIG OUT FILL EARTH TO 2 FT
FILL TRENCH WITH STONES LAY PIPE ON STONES RH

1-6-88 AREA UNDER PIPE APPEARS TO BE A MIX OF GRAVEL & SOIL - PER CONTRACTOR SOIL
WAS TAMPED (DOES APPEAR COMPACT) STONE & SOIL MIX CAN BE SEEN AT TANK TO 1+ FEET.
 DATE SYSTEM APPROVED 1-6-88 INSPECTOR S. ALL

APPLICATION

A _____

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 Fifth

DATE 9/9/76

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 Mr. and Mrs. Smith W. Alinutt, Jr. DANIEL MAIN
ADDRESS 15288 Highland Road
Highland, MD 20777 PHONE 988-9303

PROPERTY LOCATION:

SUBDIVISION Hi-land Farm Estates LOT NO. 47

ROAD AND DESCRIPTION Court - uph 13484 OPEN SPACE COURT

SIZE OF LOT 1.76 Ac TYPE BLDG. 3 or 4 bedroom
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE _____

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

SIGNATURE OF APPLICANT /s/ Margaret C. Alinutt

APPROVED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

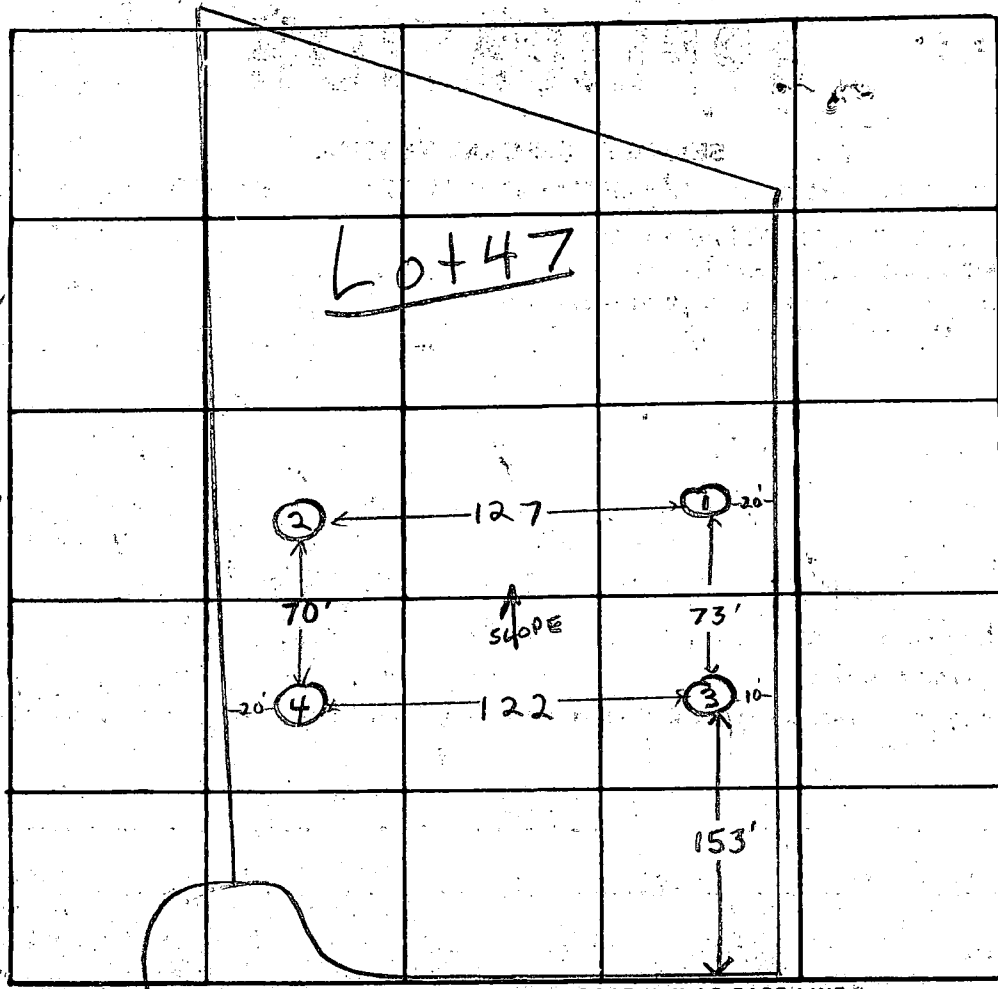
REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED
AND RETURNED 4-20-87
11178
SFD

THIS IS NOT A PERMIT



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

COURT "F"

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/9/76	1 low	3'	1:50	1:52	1:52	1:56	4 min	
	1A	12'	1:50	1:53	1:53	1:59	6 min	
	2	3 1/2'	2:00	pulled neg	2:18	3/4" drop	fails	
	2A	12'	2:00	2:11	2:11	2:26	15 min	
	2B	4 1/2'	2:20	2:23	2:23	2:28	5 min	
	3 high	5 1/2'	2:30	2:31	2:31	2:32	1 min	
	3A	13 1/2'	2:10	2:18	2:18	2:30	12 min	
	4	13'	Clayey to ~4' sandy loam below					

REMARKS

TYPE OF SOIL

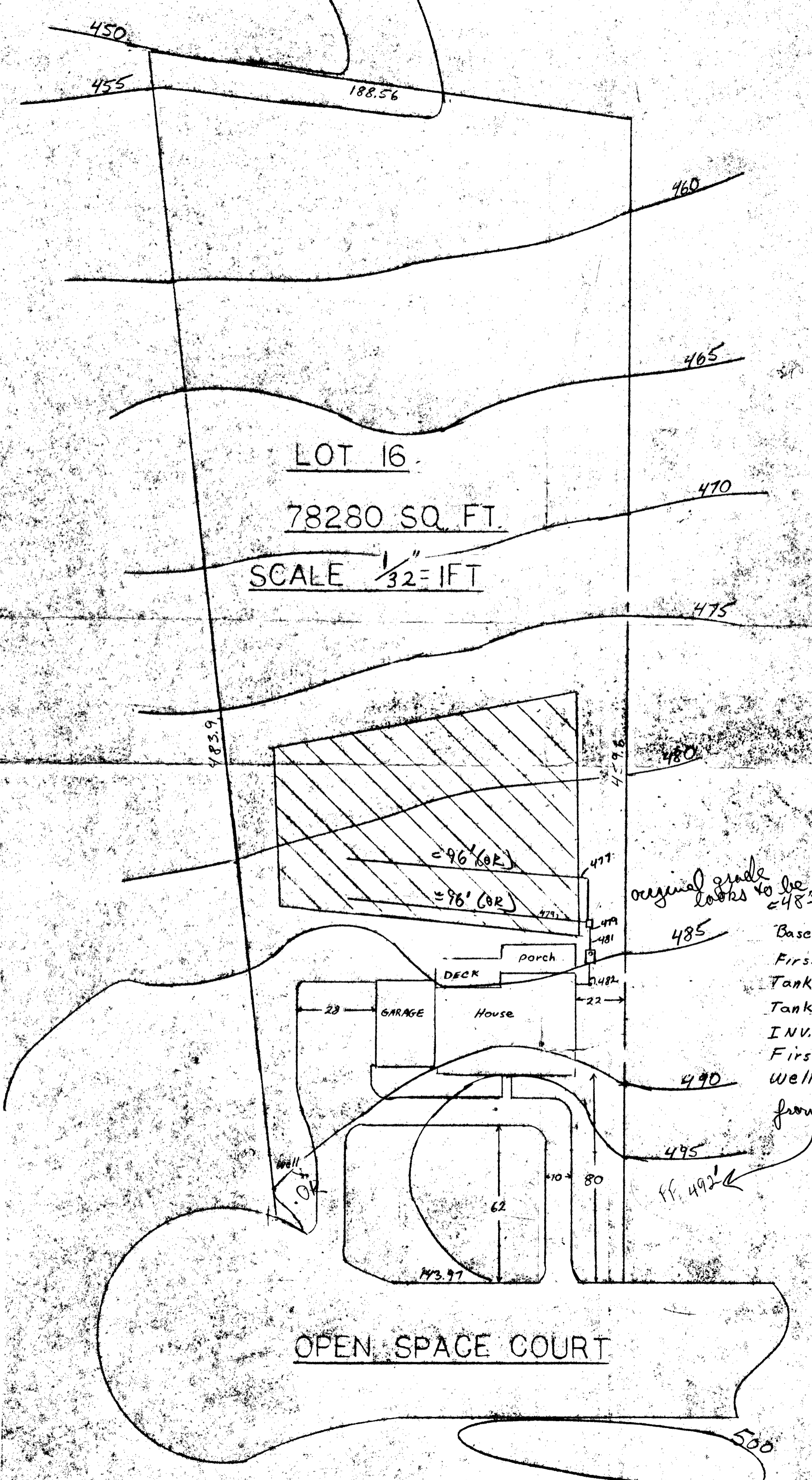
clayey to ~3' sandy loam below

TESTED BY

F.S.

ALSO PRESENT:

Allott & Kettermans



LOT 16
 78280 SQ. FT.
 SCALE 1/32" = 1 FT

NEED = 184' total linear ft of trench
 222' / bed } w/ disposal
 2000 gal tank }
 4 bedrooms / w garbage disposal
 Basement elev. 486.6 ✓ looks like basement service would be OK
 First Floor elev. 496.6 ✓
 Tank inlet 482.0 ✓
 Tank outlet 481.0 probably = 481.5'
 INV. Dist Box 479.0 ✓
 First trench 479.0 ✓ of 483 out then OK.
 Well 491.0 ✓
 front elevation

original grade looks to be = 483

BP # 11178
 BDDG. PERMIT SIGNED AND RETURNED
 4/20/87
 (PW)

OPEN SPACE COURT

OWNER	THE MAIN'S
ADDRESS	OPEN SPACE CT HIGHLAND MD
DRAWN BY	DC MAIN

B 1 5272

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

HC-71-1671

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

please print or type

fill in this form completely

Date Received:

Grid for date received

OWNER INFORMATION

Grid for owner name

Grid for street or RFD

Grid for town, state, zip

B 3

LOCATION OF WELL

Grid for county

Grid for subdivision

Grid for section and lot

Grid for nearest town

MILES FROM TOWN (enter 0 if in town)

DRILLER INFORMATION

Grid for driller name and license

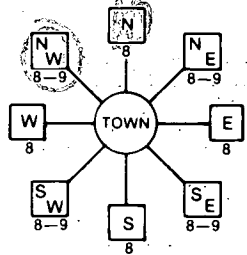
Grid for firm name

Grid for address

Grid for signature and date

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD

ENTER FT or MI

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.)

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Home (single or double household unit only)
Farming (livestock watering & agricultural irrigation)
Industrial, commercial, state and federal gov. other (requires appropriation permit)
Public or private water company (requires appropriation permit and state health department approval)
Test, observation, monitoring (may require appropriation permit)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD A 24795

COUNTY NAME COUNTY NO. OEP SIGNATURE STATE HEALTH INSERT S

DATE ISSUED CO-SIGNATURE EXP. DATE

NORTH GRID EAST GRID

APPROXIMATE DEPTH OF WELL

APPROXIMATE DIAMETER OF WELL

METHOD OF DRILLING (circle one)

- Bored (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)
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
This well will replace a well that will be used as a standby
This well will deepen an existing well

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

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER

FORCE PERMIT No.

SPECIAL CONDITIONS

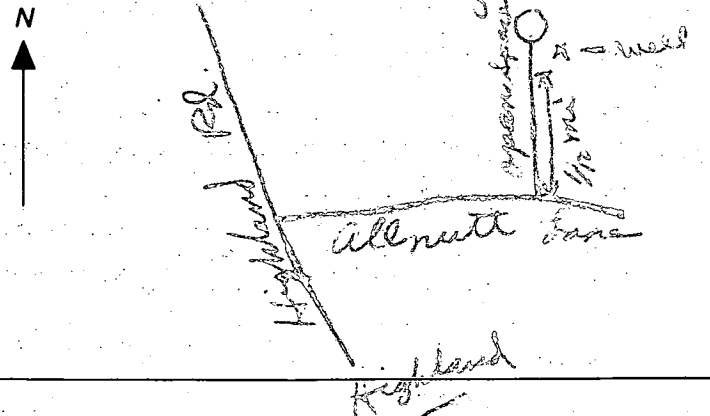
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
1. WELL
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE



DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



C1-4785

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-24795

PERMIT NO. FROM "PERMIT TO DRILL WELL"

10-81-1691

DATE RECEIVED

DATE WELL COMPLETED

DEPTH OF WELL

8 13

100386

125 (TO NEAREST FOOT)

OWNER

STREET OR RFD

SUBDIVISION

last name

first name

TOWN

SECTION

LOT

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

SMUD

35

GRAY MUD 35 165

35 165

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box)

Y N

TYPE OF GROUTING MATERIAL

CEMENT CM

BENTONITE CLAY BC

NO. OF BAGS 9

NO. OF POUNDS 151

GALLONS OF WATER 100

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft to 35 ft

CASING RECORD

casing types insert appropriate code below

ST CO PL OT STEEL CONCRETE PLASTIC OTHER

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

ST 6 40

OTHER CASING (if used)

diagram of casing with diameter and depth fields

screen type or open hole

SCREEN RECORD

insert appropriate code below

ST BR HO PL OT STEEL BRASS OPEN HOLE PLASTIC OTHER

C2

DEPTH (nearest ft.)

Diagram of screen with depth and slot size fields

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)

Diagram of screen diameter field

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

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

T (E.R.O.S.) WQ TELESCOPE CASING LOG INDICATOR OTHER DATA

C3

PUMPING TEST

HOURS PUMPED (nearest hour)

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

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 (CIRCLE) (YES or NO)

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE

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

CAPACITY GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE-POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

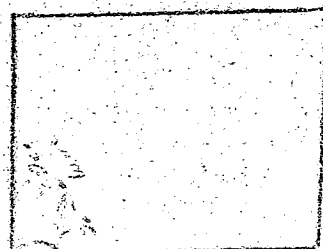
LAND SURFACE (nearest foot)

Diagram of casing height and land surface fields

Diagram of land surface field

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)



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 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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 235

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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