PERMIT

P 32287

A 30766

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY 84-169092

INDEXED

ELLICOTT CITY

DISTRICT 1st

DATE Nov. 1, 1982

Olen Ketterman IS PERMITTED TO INSTALL X ALTER

ADDRESS 14960 Frederick Road, Woodbine, Md. 21797 PHONE 442-1336

SUBDIVISION Talbots Last Shift ROAD ~~Ilchester Rd.~~ 5281 TALBOTS LANDING LOT 11 B-~~2~~

PROPERTY OWNER Charlene Gallon

ADDRESS 5087 Ilchester Rd.1 Elkridge Md.

SPECIFICATIONS 3 Bedroom

SEPTIC TANK CAPACITY 1000 GALLONS

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

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

SEEPAGE PITS _____ ABSORBENT SIDE-WALL AREA 154 SQ. FT. per bedroom

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

EFFECTIVE DEPTH AT _____ FT. BELOW ORIGINAL GRADE.

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

Trench 2' width, Inlet 4' below original grade, max. depth 9' below original grade. Effective area begins at 4' below original. grade. 5' of stone below distribution pipe.
NOTE: No trench to exceed 100' in length, if more than one trench used, a distribution box is required, trenches to be installed on level ground.
LOCATION: 100' from the front (325.01) lot line and 115' from the left (170.07') lot line as seen when facing the lot from the R.W.
11/1/82 OK to dig to 11' Legs of 15' hole is open for inspection @ end of trench F.S.

PLANS APPROVED BY Steve Kiel DATE 4/30/81

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.

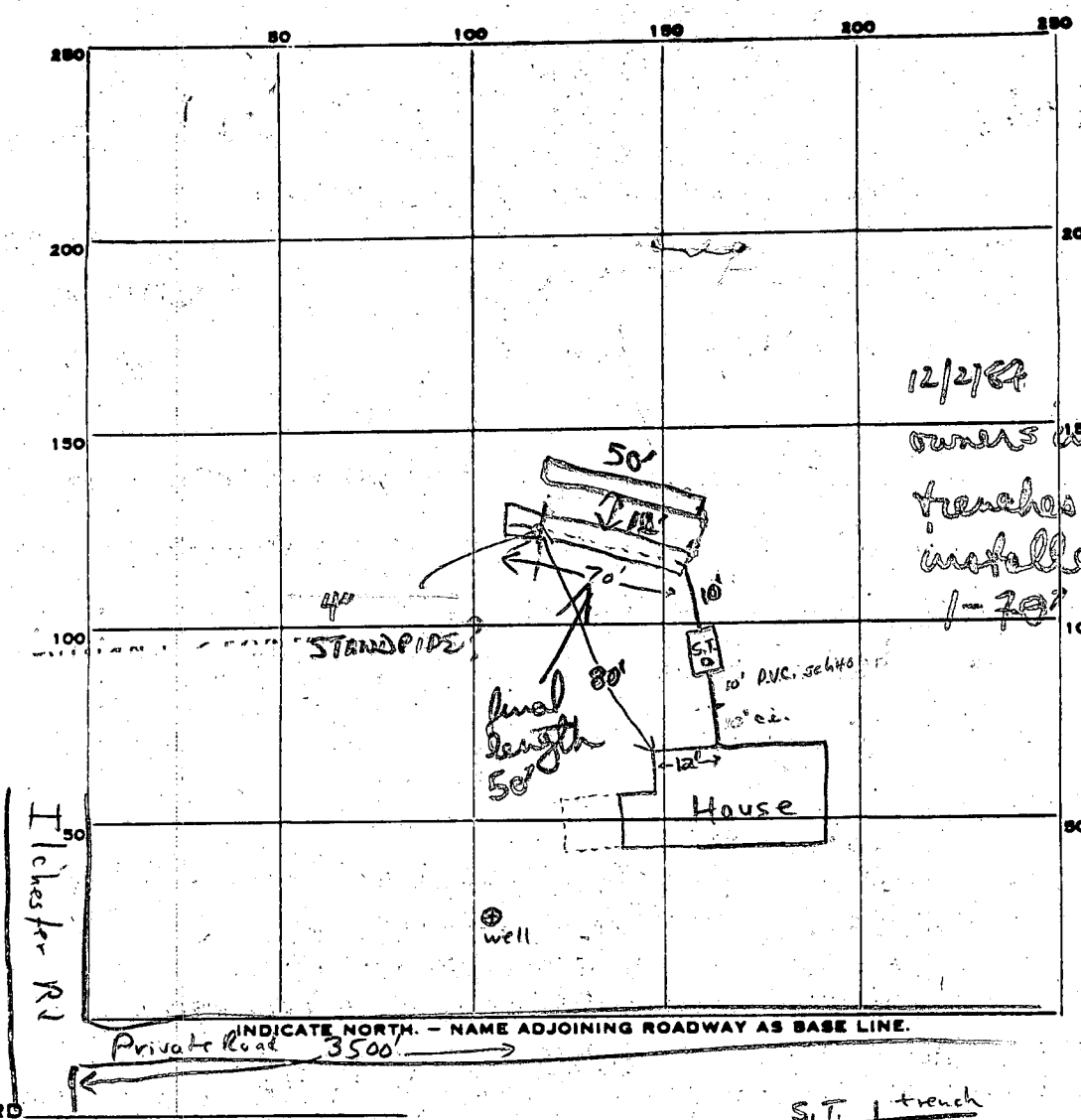
NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

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.**

A 30766



PERMIT CARD _____

S.T.	trench
✓	standpipe 10' from end PVC

SEPTIC TANK, LEVEL ✓ 1500 gal CLEANOUTS _____

DISTRIBUTION BOX, LEVEL one added later

TILE FIELD, DEPTH 11 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 7 IN. TOTAL LENGTH ① 50 + ② 50 FT.

NUMBER OF TRENCHES 2 ~~TOTAL BOTTOM~~ ONE SIDEWALL AREA 350 + 350

SEEPAGE PITS, INSIDE DIAMETER — FT. DEPTH BELOW INLET 7 FT.

ABSORBENT AREA +700 SQ. FT.

REMARKS 11/3/82 Owner will certify depth - pile of spoil looks ~right F.S.

12/2/87 Final info provided by owner. System OK'd

DATE SYSTEM APPROVED 12/2/87 INSPECTOR F.S. / BA

Lot 11

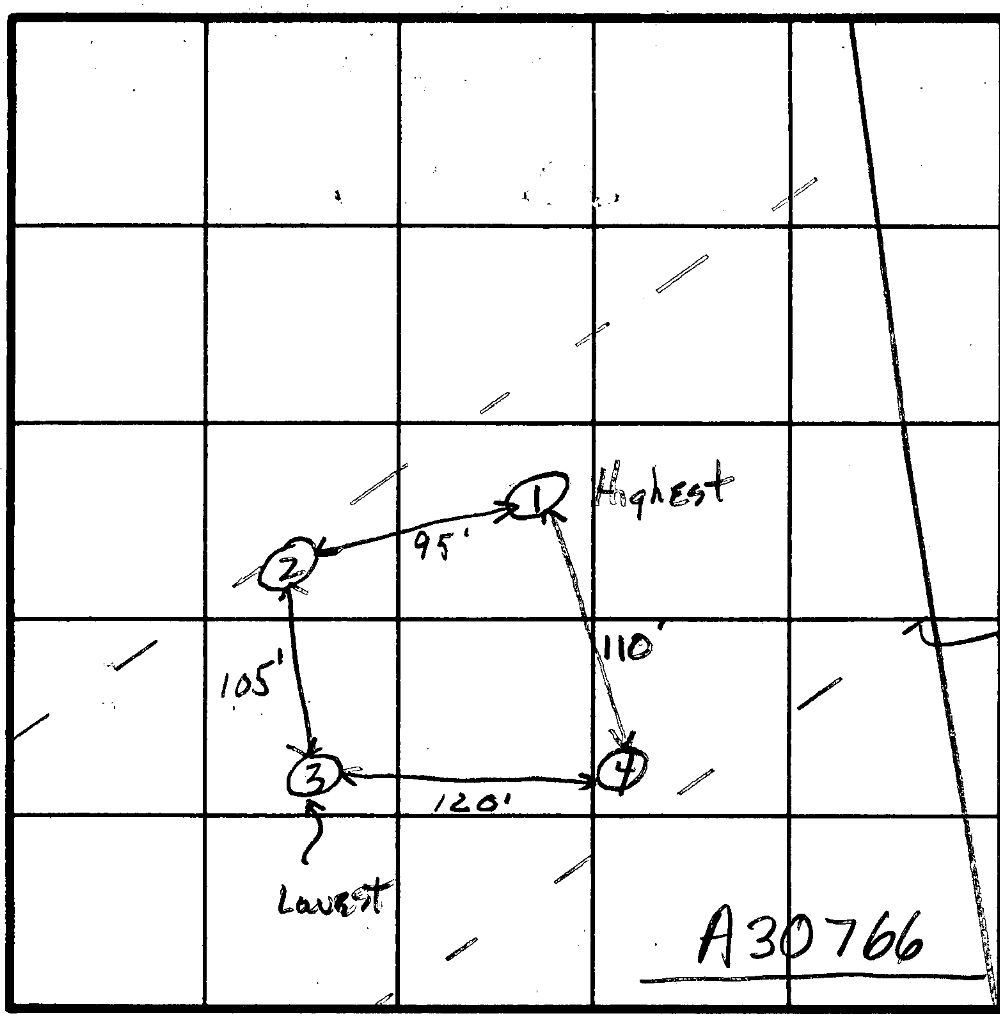
FIELD SHEET

TESTS PER STAKE

SOIL PROFILE

0'-4' clay

4'-12' sandy loam



POWER LINE R/W

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

E-6

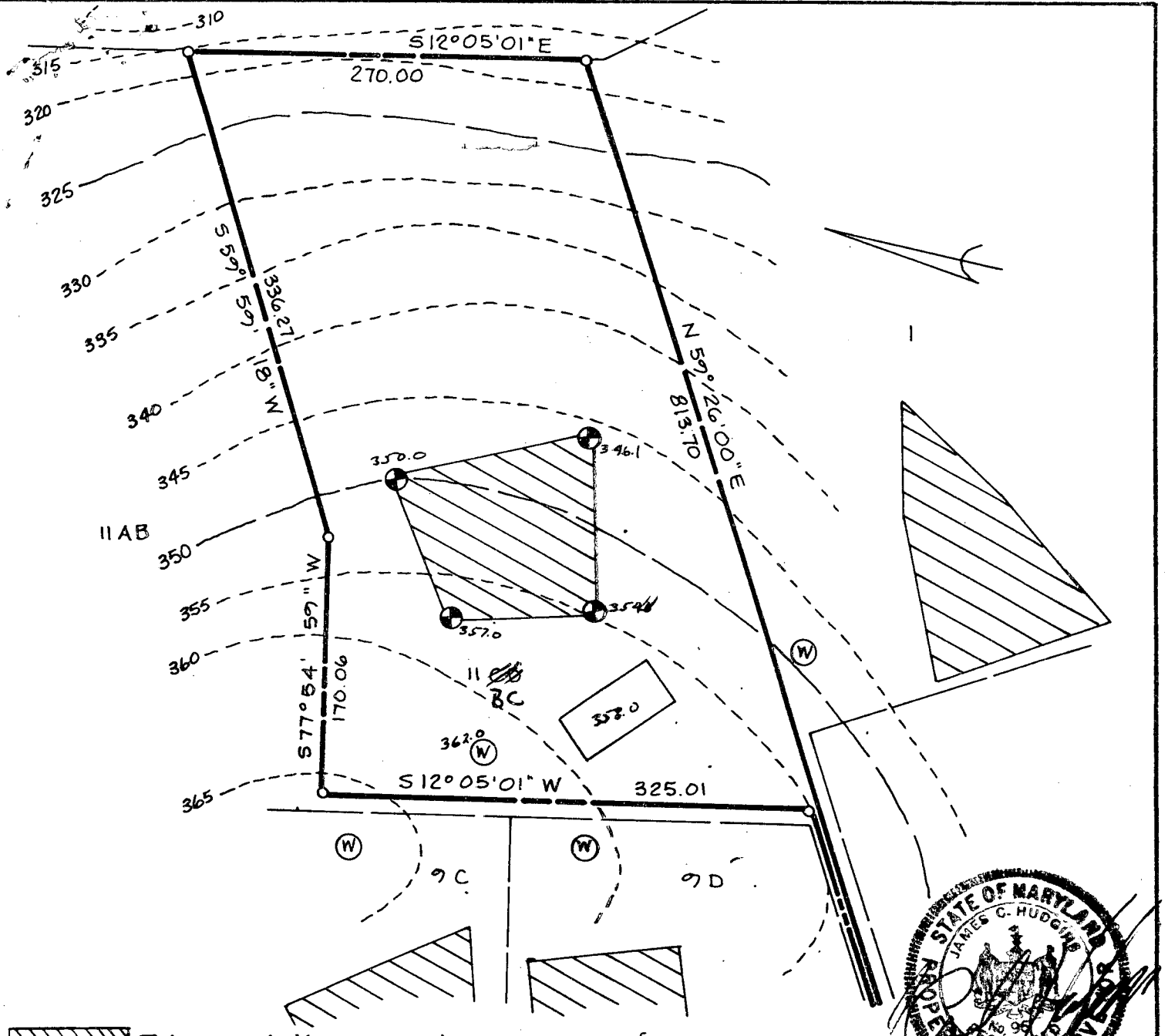
DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
	1S	4'	11:31	11:34	11:34	11:37	3 min
	1D	12'	11:31	11:34	11:34	11:38	4 min
	2S						
	2D	12 V	Soil	similar			
	3S	4'	11:46	11:50	11:50	11:54	4
	3D	12'	11:47	11:53	11:53	12:03	10
	4S	3	12:06	12:08	12:08	12:11	3
	4D	12	12:05	12:08	12:08	12:15	7

120 ft [illegible]

REMARKS Cornfield 6' high, no lot lines [illegible] for certified holes

TYPE OF SOIL

TESTED BY JS + SR 7-11-80 ALSO PRESENT [illegible] D. Reimer



This area indicates a private easement of approximately 10,000 square feet as required by the Maryland State Department of Health and Mental Hygine for individual disposal. Improvements of any kind in this area are restricted until public sewage is available and servicing any residential structures constructed on this site. This easement shall become null and void upon connection to a plubic sewage system.
Percolation test holes shown hereon have been field located and shown as "◔".
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.
Percolation areas and water wells for adjoining lots have been shown where pertinent.

APPROVED: For Private Water and Private Sewage Systems

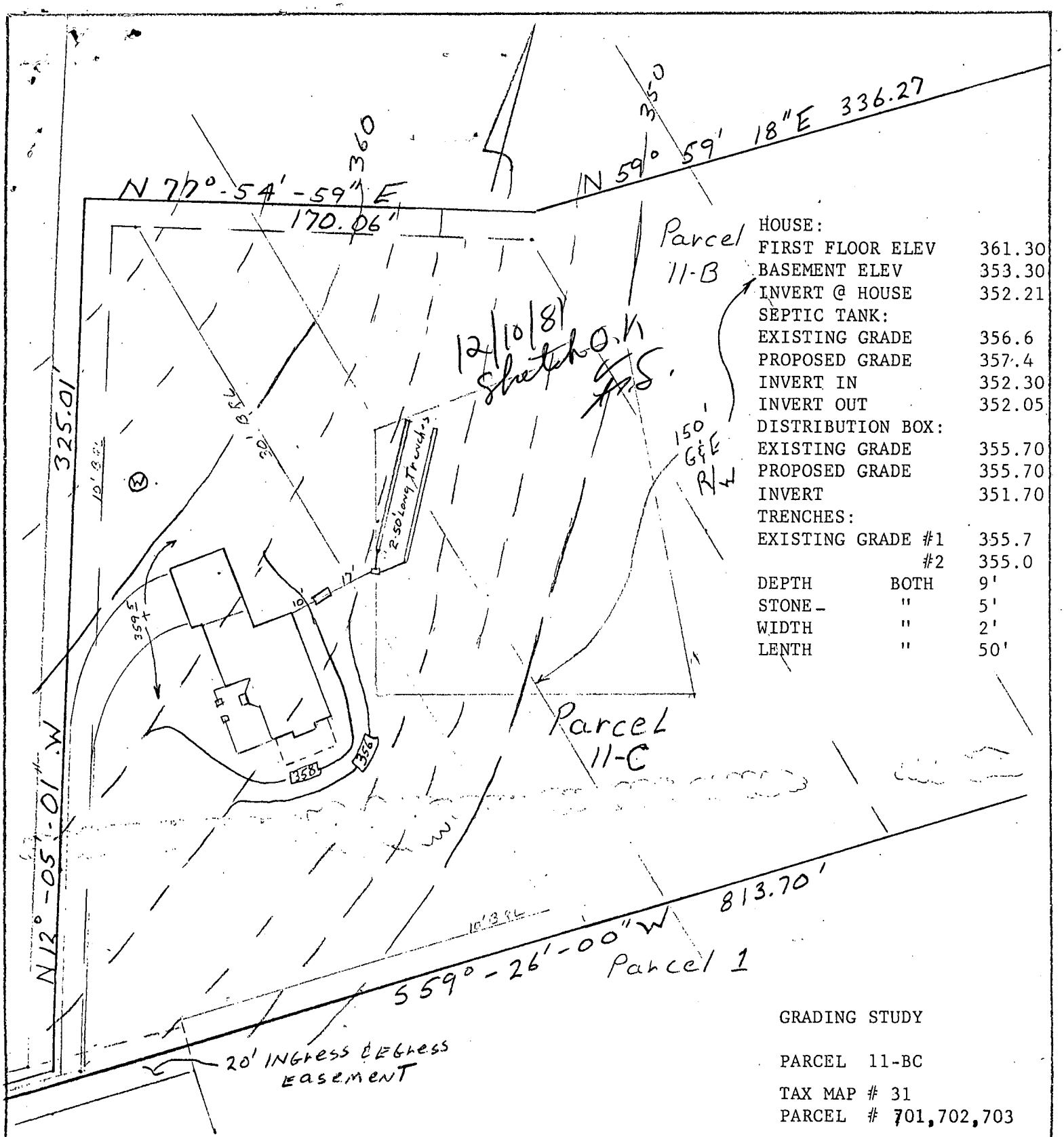
11-12-80

County Health Officer — Date

STATE OF MARYLAND
JAMES C. HUDGINS
No. 99
REGISTERED
PROPERTY LINE SURVEYOR

PERCOLATION TEST PLAT
PARCEL II CB
TALBOT'S LAST SHIFT
PROPERTY OF
HOWARD ASSOCIATES
ILCHESTER ROAD
1st Election District
Howard County Maryland
Scale: 1"= 100' Date: 9-18-80

NTT Associates
Suite 307
Clark Bldg.
Columbia Md. 21044
321-0307



HOUSE:	
FIRST FLOOR ELEV	361.30
BASEMENT ELEV	353.30
INVERT @ HOUSE	352.21
SEPTIC TANK:	
EXISTING GRADE	356.6
PROPOSED GRADE	357.4
INVERT IN	352.30
INVERT OUT	352.05
DISTRIBUTION BOX:	
EXISTING GRADE	355.70
PROPOSED GRADE	355.70
INVERT	351.70
TRENCHES:	
EXISTING GRADE #1	355.7
#2	355.0
DEPTH BOTH	9'
STONE - "	5'
WIDTH "	2'
LENTH "	50'

GRADING STUDY

PARCEL 11-BC

TAX MAP # 31
PARCEL # 701,702,703

TALBOTS LAST SHIFT
1st ELECTION DISTRICT
HOWARD COUNTY MARYLAND
SCALE 1"=50' DATE 11/20/81

I certify the above measurements & elevations are actual and true for this property.

J. Carl Hudgins

J. Carl Hudgins

C 1 1357 SEQUENCE NO. (OEP USE ONLY)

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

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 A30766 J101

Date Received (OEP use only)

DATE WELL COMPLETED 12 06 81

Depth of Well 305 (TO NEAREST FOOT)

PERMIT NO. FROM PERMIT TO DRILL WELL HO-73-4069

OWNER Mitchell (last name) Charlene (first name)

STREET OR RFD Elchester Road TOWN Ellicott City

SUBDIVISION Talbots Last Shift. SECTION — LOT 11 B-C

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	FEET TO	Check if water bearing
Top Soil	0	2	
Sandy	2	38	
Sandstone	38	50	
Mica	50	65	
Sandstone	65	90	
Mica	90	305	

CIRCLE APPROPRIATE BOX

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. 293

Ralph Mayne

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

Ralph E. Mayne

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

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 11 NO. OF POUNDS 1100

GALLONS OF WATER 110

DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 145 ft.

(enter 0 if from surface)

CASING RECORD
casing types — insert appropriate code below

ST STEEL CO CONCRETE PL PLASTIC OT OTHER

MAIN CASING TYPE	Nominal diameter (top/main) casing (nearest inch)	Total depth of main casing (nearest foot)
ST	6	48

OTHER CASING (if used)

EACH CASING	diameter inch	depth (feet) from	to

SCREEN RECORD
screen type or open hole — insert appropriate code below

ST STEEL BR BRASS, BRONZE HO OPEN HOLE PL PLASTIC OT OTHER

C 2 (seq. no.)

EACH SCREEN		DEPTH (nearest ft.)	
1	HO	46	305
2			
3			

SLOT SIZE 1 — 2 — 3 —

DIAMETER OF SCREEN (NEAREST INCH) from — to —

GRAVEL PACK from — to —

IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX F

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

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

C 3 (seq no)

PUMPING TEST
HOURS PUMPED (nearest hour) 5

PUMPING RATE (gal. per min. to nearest gal.) 2

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 50

WHEN PUMPING 305

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 APPROPRIATE BOX) YES Y NO N

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

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O) 12/10/81

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

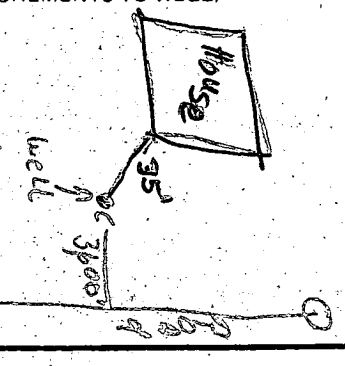
PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

+ above — below LAND SURFACE 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)



HEALTH

EMERGENCY/TEMP NO IF ANY

B 1 8089 SEQUENCE NO. WRA USE ONLY
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
please print or type

WRA PERMIT NUMBER HO-73-4069
fill in this form completely

DATE RECEIVED 11-30-81
9:30 A.M. 12/7/81
8 (WRA USE ONLY) 13

OWNER INFORMATION

Mitchell, Charlene
LAST NAME OWNER FIRST NAME
15 34

5087 Ilchester Road
36 STREET OR RFD 55

Elkridge Md 21227
TOWN 57 STATE 76 ZIP

B 1 CONTINUED — DRILLER INFORMATION

RALPH MAYNE
DRILLER'S NAME 273 LICENSE NO. 80

Ralph Mayne 11.2981
SIGNATURE DATE

B 2 — WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN) 5
8

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500
14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

(D) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
22 I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL 150 FEET
24 28

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

Method of Drilling (circle one)

BORED (OR AUGERED) JETTED JETTED & DRIVEN
30-37 AIR ROTARY AIR-PERCUSSION ROTARY (HYDRAULIC) ROTARY
CABLE REVERSE ROTARY DRIVE-POINT
other

REPLACEMENT OR DEEPENED WELLS
(Circle Appropriate Box)

NR THIS WELL WILL NOT REPLACE AN EXISTING WELL
39 Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
D THIS WELL WILL DEEPEN AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 41 52

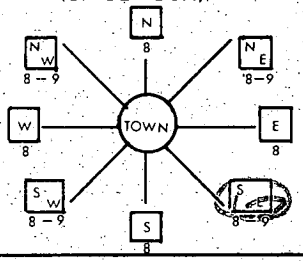
Not to be filled in by driller (WRA USE ONLY)
APPROP. PERMIT NUMBER GAP 54 63
FORCE FS 67 68 WRITE INITIALS IN BOX
CONDITIONS A E N S G W Q C L U: H O - 7 3 - 4 0 6 9 70 71-72 73 74 75 76 77 78 79

B 3 — LOCATION OF WELL

COUNTY Howard 8 21
SUBDIVISION Talbots East Shift 28 42
SECTION 44 46 LOT 11-BC 48 50
NEAREST TOWN Ellicott City 52 71
MILES FROM TOWN (enter o if in town) 4 73 76 MI 77 78

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Ilchester Rd
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH N
WEST W 32 E EAST
S SOUTH

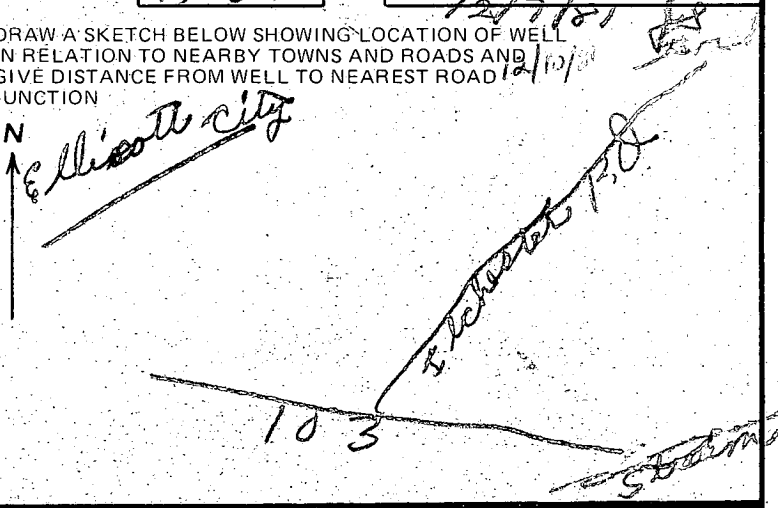
3600 FT
34 DISTANCE FROM ROAD 37
(CIRCLE APPROPRIATE BOX) MI 38 39

SHOW LOCATION OF WELL WITH AN "X" IN THIS BOX →

12/2/81 B.P. 48401
in pending file until well is completed #S.
Location OK
48 - Casing
2 - above gr
45 - Open
000 11 - Neat cement
000
12/7/81

WRITE THE BOX NUMBER FROM THE MAP HERE ↓
E 8606
N 5005 ←

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



B 4 — NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard 230766
COUNTY NAME COUNTY NO.

EHA SIGNATURE
STATE HEALTH CIRCLE BOX S 41

MO DAY YR
43 1 3 0 8 1 48
Frank Skinner - Sanitarian
CO SIGNATURE 12/2/81 DATE

NORTH GRID 5 0 5 000 50 55
EAST GRID 0 8 6 6 000 57 63
ELEV. (FT.) 65 68

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

HEALTH