10/20/87
11 Am + 89

PERMIT

P 39882

A 31064

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

DISTRICT 1st

DATE 8/18/87

DATE SYSTEM APPROVED 10/20/87

INSPECTOR BW

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

01-144175
INDEXED

Paul Schissler/South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Talbots Last Shift ROAD 5195 Talbot's Landing LOT 14D

PROPERTY OWNER Richard Kummer

ADDRESS

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

GARBAGE GRINDER? YES ____ NO X

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3½ feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3½ feet below original grade. 4½ feet of stone below distribution pipe.

LOCATION - Start 1st trench 210 feet down the right front lot corner (336.18') and 182.37' corner) and 105 feet off the front (336.18') lot line as seen when facing property from Road Way In. Run trenches along contour toward right front corner of lot. BE SURE TO MAINTAIN MINIMUM 100 FEET DISTANCE FROM SEPTIC TO WELL.

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

OK BW

PLANS APPROVED BY Bert Nixon DATE 8/21/86

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.

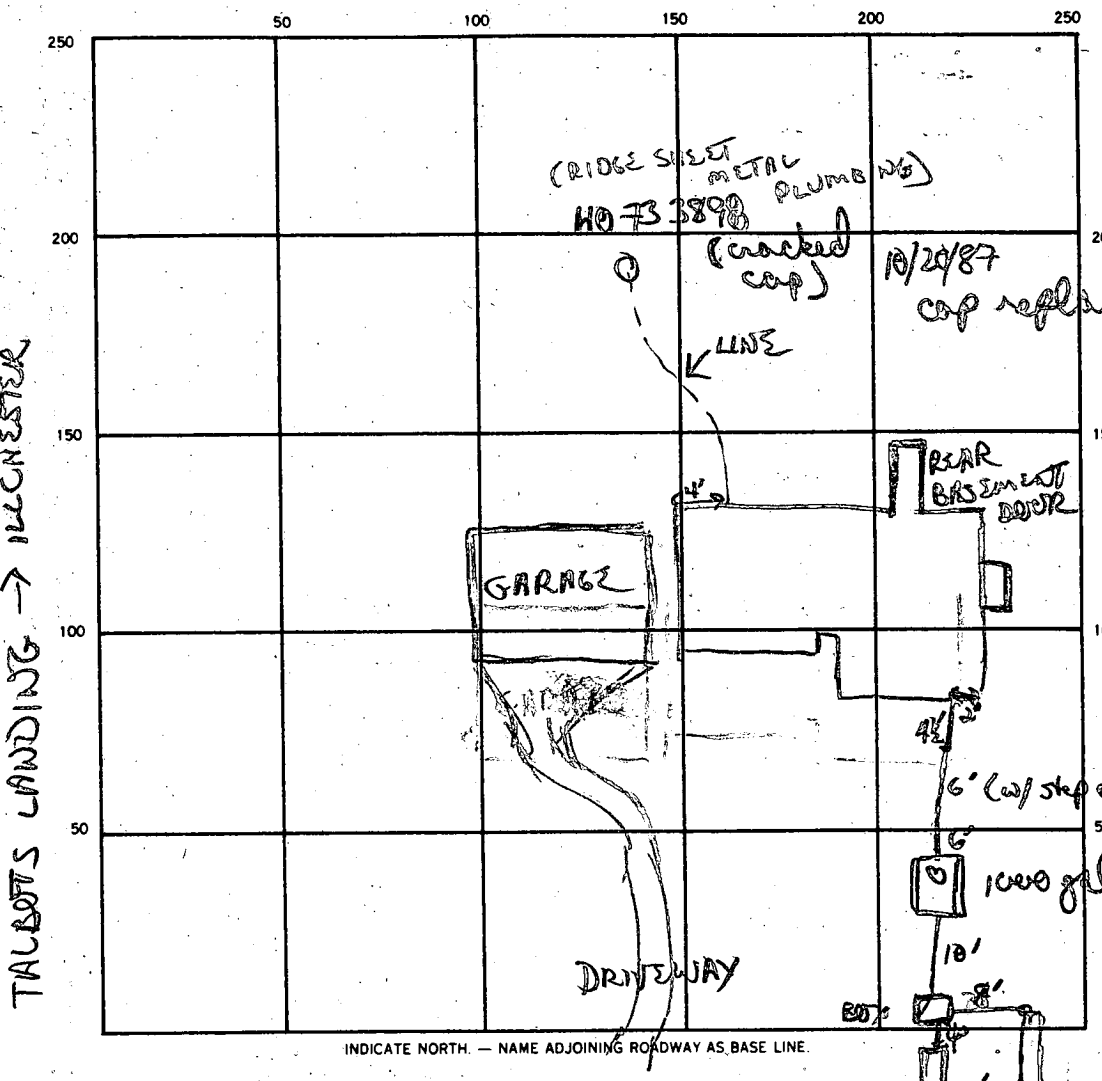
BLDG. PERMIT SIGNED AND RETURNED 8/29/89
Serial # 29530 - Pool

A 31064

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186



SEPTIC TANK, LEVEL 1000 gal CLEANOUTS 1 sch

DISTRIBUTION BOX, LEVEL ✓

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

EFFECTIVE GRAVEL DEPTH ① 4½' ② 4½' FT. TOTAL LENGTH ① 60' ② 60 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA ① 270 + ② 270 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

120
45 | 540
45
90

60
45
30 0
270

REMARKS 10/20/87 OK to finish digging + adding stone pipe papers to trench #1. OK to start trench #2

10/20/87 OK to finish stoning trench #2. OK to cover trench #1 & all off on work.

10/20/87 Well lines, ground & gutter adapter in (4" below) OK to cover line. (Tank w/ risers NOT installed)

DATE SYSTEM APPROVED 10/20/87 INSPECTOR B Nixon

8/24/88 RS

A 31064

SUBDIVISION: TALBOTS LAST SHIFT ILCHESTER RD LOT NUMBER: 14D

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

	Septic Tank	Minimum Total square Feet
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

180 sq. ft./bedroom

3 - NO.

Trench to be 2 wide.

Inlet 3½ feet below original grade.

Bottom maximum depth 8 feet below original grade.

Effective area begins at 3½ feet below original grade.

4½ feet of stone below distribution pipe.

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 1ST TRENCH 210' DOWN FROM THE RIGHT FRONT LOT CORNER (336.18' & 182.37' CORNER) AND 105' OFF THE FRONT (336.18') LOT LINE AS SEEN WHEN FACING PROPERTY FROM ROAD WAY IN. RUN TRENCHES ALONG CONTOUR TOWARD RIGHT FRONT CORNER OF LOT. BE SURE TO MAINTAIN A MINIMUM 100' DISTANCE FROM SEPTIC TO WELL.

PRELIMINARY

APPLICATION

12/12/80 9:30 A.M. SYSTEM FIRST 4/14/81 C.B.S.

A 31064

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

Septic Tank { 1-3 Bedrooms 1000 gallons / 4 Bedrooms 1250 gallons

DISTRICT 1st

DATE 12/4/80

{ See attached specs }

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 ~~Howard Associates~~ RICHARD KUMMER

ADDRESS _____ PHONE Don Reuwer - 465-4920

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. ~~(2)~~ 140

ROAD AND DESCRIPTION ~~Ilchester Road~~ 5195 TALBOTS LANDING

SIZE OF LOT (?) TYPE BLDG. 3 or 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.

BLDG. PERMIT SIGNED AND RETURNED 4-29-87 B# 11425

SIGNATURE OF APPLICANT /s/ Don Reuwer for Howard Associates

(*) APPROVED BY C. B. Stevens FOR Trenches DATE 4/14/81

REJECTED BY _____ FOR _____ DATE _____

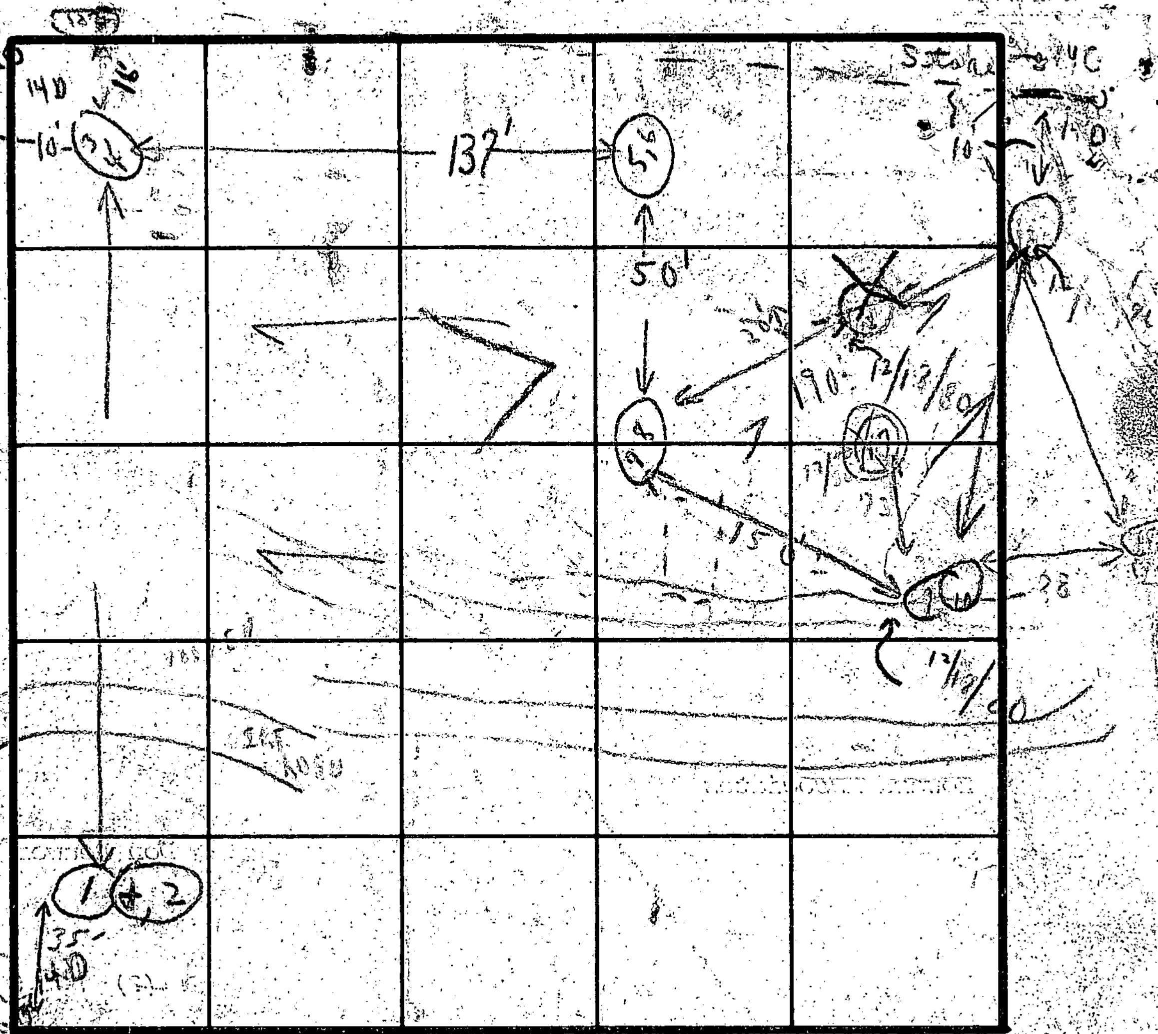
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR ~~REJECTION OR~~ HOLDING 12/12/80 Discussed need more tests, may use (7+8) hole only and try for a new area - office R. M., C.B.S. + F.S.
Office 12/22/80 Discussed with Mr. Skinner - Need more tests
Office 12/30/80 Reaccomplished field sheet + 12/30/80 Hold for C.B.S. + F.S. further tests. C.B.S.

THIS IS NOT A PERMIT

(*) 1/9/81 Tentative approval for shallow trenches subject to hole certification house site, well site. C.B.S.

14 D



SOIL PROFILE

SEE EACH HOLE BELOW

FIELD SHEET

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SOIL PROFILE

1'-3' CLAY, SOME SAND, 3'-4' CLAY & PEBBLE

1'-3' [illegible] TO CLAY IN BOTTOM

1'-3' [illegible] 3'-5' LOAM, LOAM & CLAY TO CLAY

1'-3' CLAY, 3½'-8' sandy loam

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
12/11/80	1	4'	10:01	10:08	10:08	10:25	19 min
	2	8'	10:01	XX	(10:31 little pee	[illegible]	XX
	3	4'	10:38	10:40	10:40	10:43	3 min
	4	9'	10:38	10:58	10:58	11:27	¼" [illegible] XX
	5	4'	11:23	11:26	11:26	11:30	4 min
	6	7'-9'	11:23	1@ 11:53	¾" @ [illegible]		XXX
	7	3½'	11:12	11:13	11:13	11:15	2 min
	8	8'	11:13	11:14	11:14	11:22	8 min
12/1/	TESTS IN DIFFERENT AREA						
12/30/80	X 170	4'	Visual				

REMARKS HOLD FOR CERTIFIED HOLES & PERC IN AREA OF SMALL TREES
" FOR MORE TESTS. C.B.S.

TYPE OF SOIL MORE TESTS THRU 12/31/80

TESTED BY C. B. — ALSO PRESENT [illegible]

PRELIMINARY

APPLICATION

A 31064

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 1st

DATE 12/4/80

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 *Howard Associates*

ADDRESS _____ PHONE *Don Reuwer - 465-4920*

PROPERTY LOCATION

SUBDIVISION _____ LOT NO. (?) 140

ROAD AND DESCRIPTION *Ilchester Road*

SIZE OF LOT (?) TYPE BLDG. *3 or 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/ Don Reuwer for Howard Associates*

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

Pg. 1/22

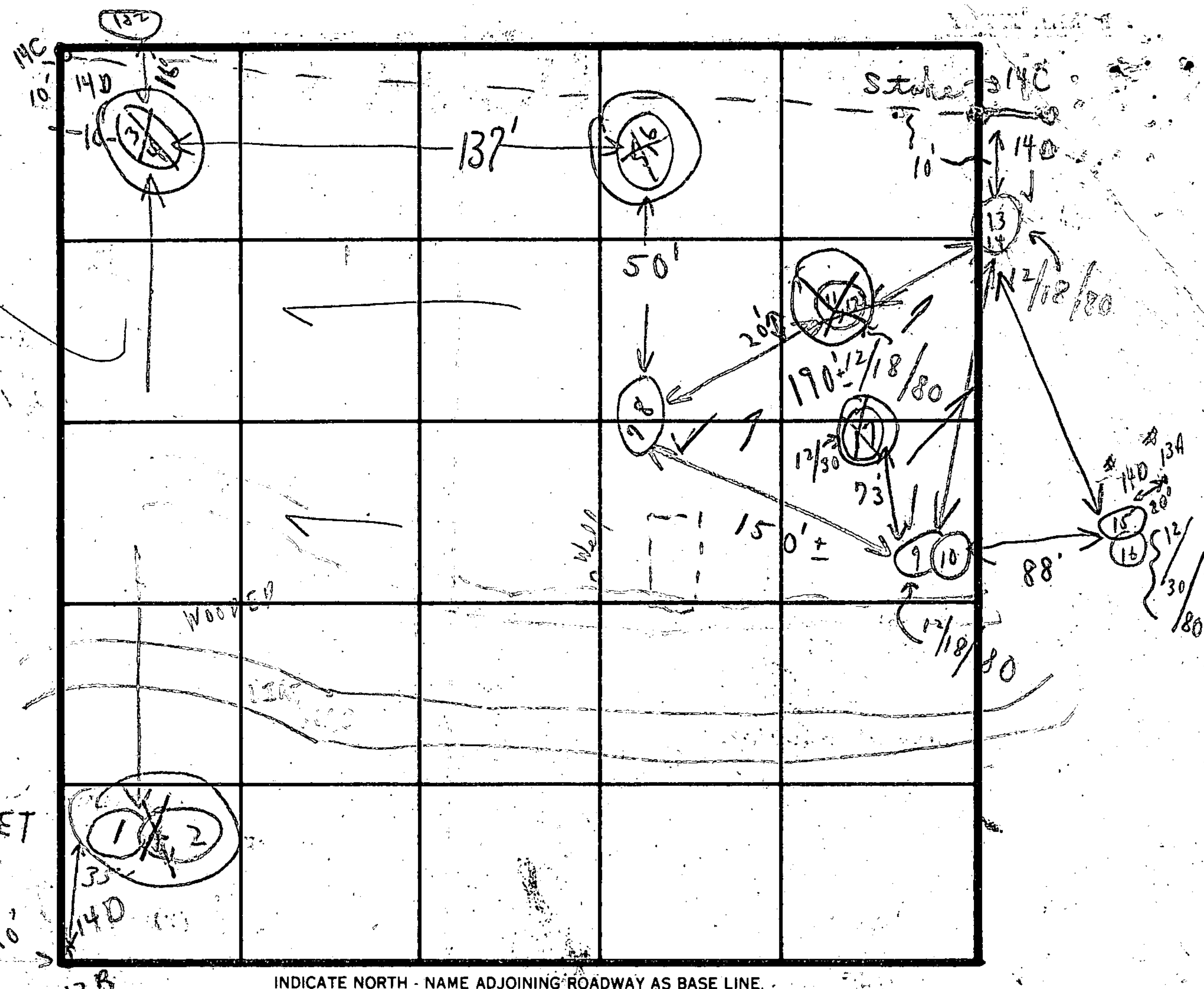
14 D

SOIL PROFILE

0'

SEE EACH HOLE BELOW

FIELD SHEET



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE	DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
1'-3½' CLAY	12/11/80	1	4'	10:01	10:08	10:08	10:25	19 min
some sand		(2)	8'	10:01	X X	(10:31 little perc 1/8"	3/4" @ most)	X X
1'-3' clay		3	4'	10:38	10:40	10:40	10:43	3 min
to CLAY IN	BOTTOM	(4)	9'	10:38	10:58	10:58	11:29	X 1/4" to 1/2" XX
1'-3½' clay		5	4'	11:23	11:26	11:26	11:30	4 min
LOAM/CLAY TO CLAY		(6)	7'-9"	11:23	@ 11:	53: 3/4"	@ most	X X X
1'-3' clay		7	3½'	11:12	11:13	11:13	11:15	2 min
3½'-8' sandy loam		8	8'	11:13	11:14	11:14	11:22	8 min
1'-11' clay	12/18/80	TESTS IN	DIFFERENT	AREA	} SEE	ATTACHED	PAGE	
11'-12½' sand + gravel	12/30/80	X17	4'	1:50	2:03	2:01	2:33½	3/4" XXX @ most {SK. C.B.}

REMARKS HOLD FOR CERTIFIED HOLES & PERC IN AREA OF SMALL TREES & BRUSH
" FOR MORE TESTS. C.B.S.

TYPE OF SOIL MORE TESTS THRU 12/30/80

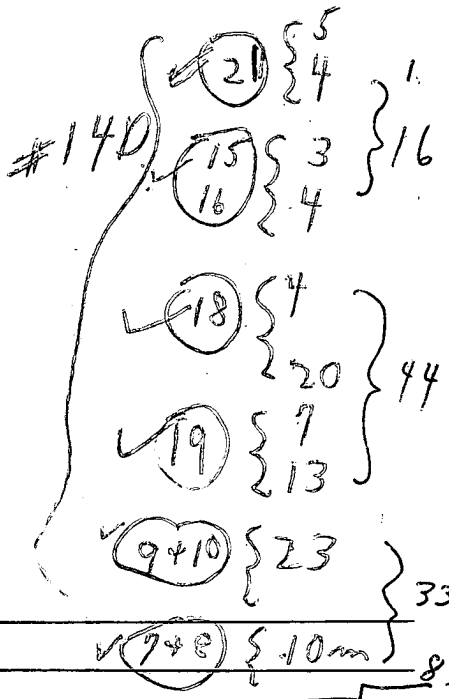
TESTED BY C. B. HOLD LOT ALSO PRESENT D. Ketterman, Not youngest one

EH - 24

HOWARD COUNTY HEALTH DEPARTMENT

Bureau of Environmental Health
Ellicott City, Maryland 21043
Phone: 992-2330

To: Times



From: _____

Date: _____

HOWARD ASSOC. 14 D

FIELD SHEET 12/18/80

Pg 2 of 2
(Continuation of tests)

SOIL PROFILE		Depth	START 1st"	START 2nd"	STOP 2nd"	Time Avg.
1'-3½ clayish	9	3½ pit	1:12	1 →	1:13	½ min ± / sneaks ✓
3½-8½ sandy loam + clay	10	8½ pit	1:13	1:20	1:42	22 min out
1'-3½ clay	11	3½ pit	1:34	1:36	1:43	7 min
3½-8 LOAM + CLAY	12	8 pit	1:34	2:	X:X	@ 2:05 3/4" @ most (X)
1'-4's clay	13	4 pit	1:58	2:00	2:05	5 min ✓
4'-8½ sandy & clayish	14	8½ pit	1:59	2:01	2:07	6 min
1'- ' clayish	15	5'	12:55	12:56	12:59	3 min ✓
10'	16	10 pit.	12:53	12:55	12:59	4 min
Sandy loam	17	See first page				
1'-3' clayish 1/9/81	18	A 3'	12:05	12:08	12:12	4
3'-7' Loam		B 7'	12:05	12:14	12:34	(1) 20
1-4's clay	19	A 4'	1:02	1:06	1:13	7 min
4'-8' LOAM Dug to 12' + SAND		B 8' pit	1:01	1:07	1:20	13 min
1'-3½ clay	(20)	A 3½	1:57	2:10	2. @ 2:43	3/4"
3½-7½ LOAM 7'-7½ - clay white		B 7½ pit	1:56	2:22	2. @ 2:52 3/4" @ most	
1'-6½ clay 6½-9' - sand gravel	21	A 5'	2:38	2:46	no perc	dug down
White sand in bottom		B 9'	2:34	2:36	2:41	5 min Dug to 14'
to 14'	21	C 6½	2:53	2:55	2:59	4 min

] 12/30/80 (15, 16) on line near 14 D #14 A

{Hold for possible 12/18/80 further tests} + C.B.S.

(Hold for possible more tests 12/30/80 C.B.S. + V.K.)

1/9/81 Tested {J.S. #18, #19, C.B.S. #20, #21 Holes}

@ 14' white clay

2' Contours on this lot.

{1/9/81 Field sheet to be reaccomplished} (2)

1/14/81 C.B.S.

{HOLD FOR CERTIFIED HOLES C. HUDKINS (2) Kettermans}

HD

HOWARD ASSOC. 14 D

12/18/80

FIELD SHEET

(Estimate of Tests)

SOIL PROFILE		DEPTH	TEST 1st	START 2nd	STOP 2nd	Time Avg.
1-3½ clayish	9	3½ ft	1:12	1 →	1:13	½ min/inch
3½-8½ [illegible]	10	8½ ft	1:13	1:20	1:48	22 min
3½-8 Loam	11	3½ ft	1:34	1:36	1:43	7
	12	8 ft	1:34	2:	X:X	@ 2:05 3/4" @ [illegible]
4-8 clay	13	4 ft	1:58	2:00	2:05	5
4-8½	14	8½ ft	1:59	2:01	2:07	6
1'- ' clayish	15	5'	12:55	12:56	12:59	3
- 10' Sandy Loam	16	10 ft.	12:53	12:55	12:59	4

12/30/80 (15-16) [illegible] 140 [illegible]

① {Hold for possible 12/18/80 further tests}

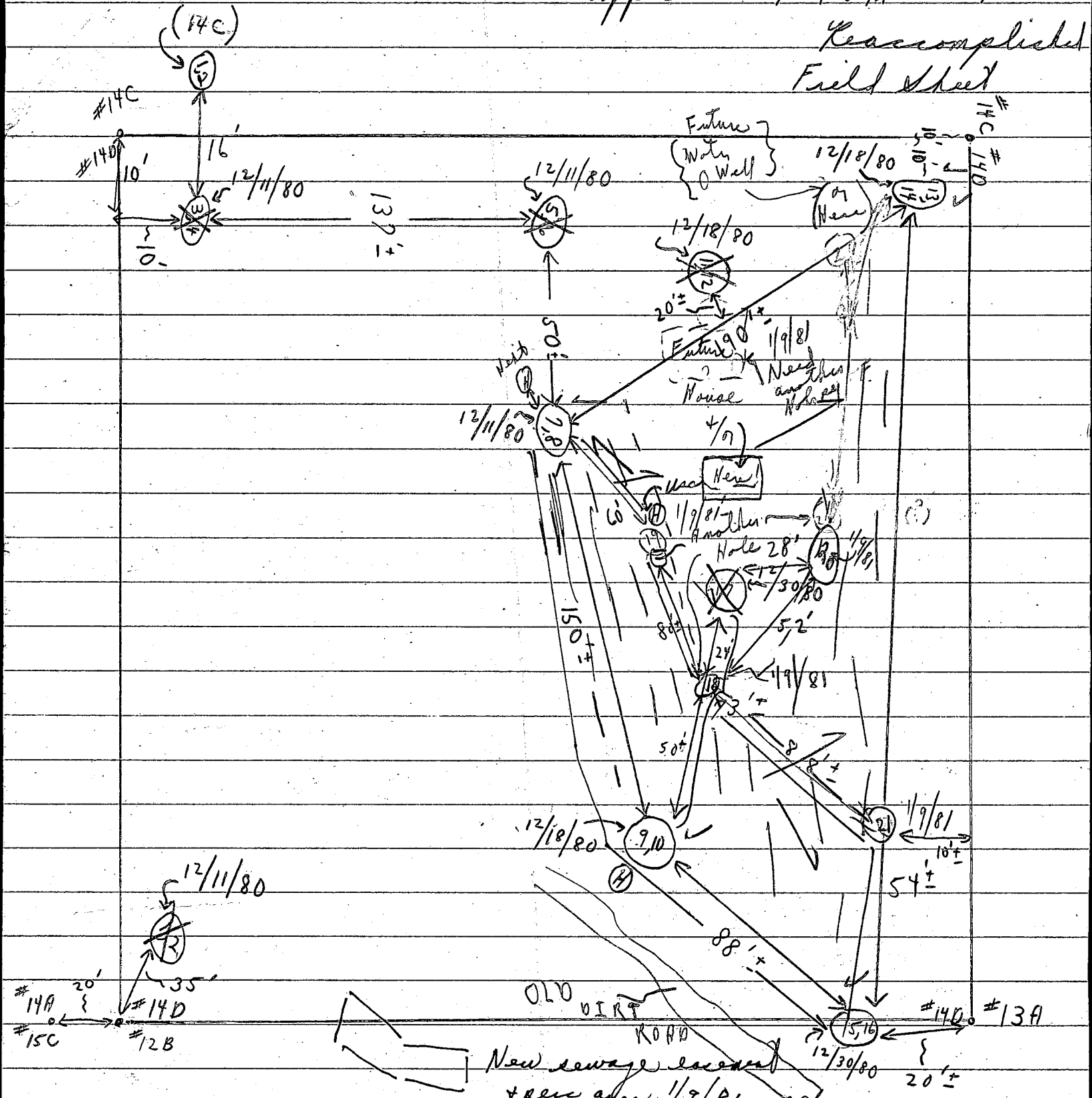
C.B.

(12/30/80 C.B. + [illegible])

② {HOLD FOR CERT. [illegible] C. HAWKINS (2) [illegible]}

HOWARD ASSOCIATES
ILCHESTER ROAD
Office

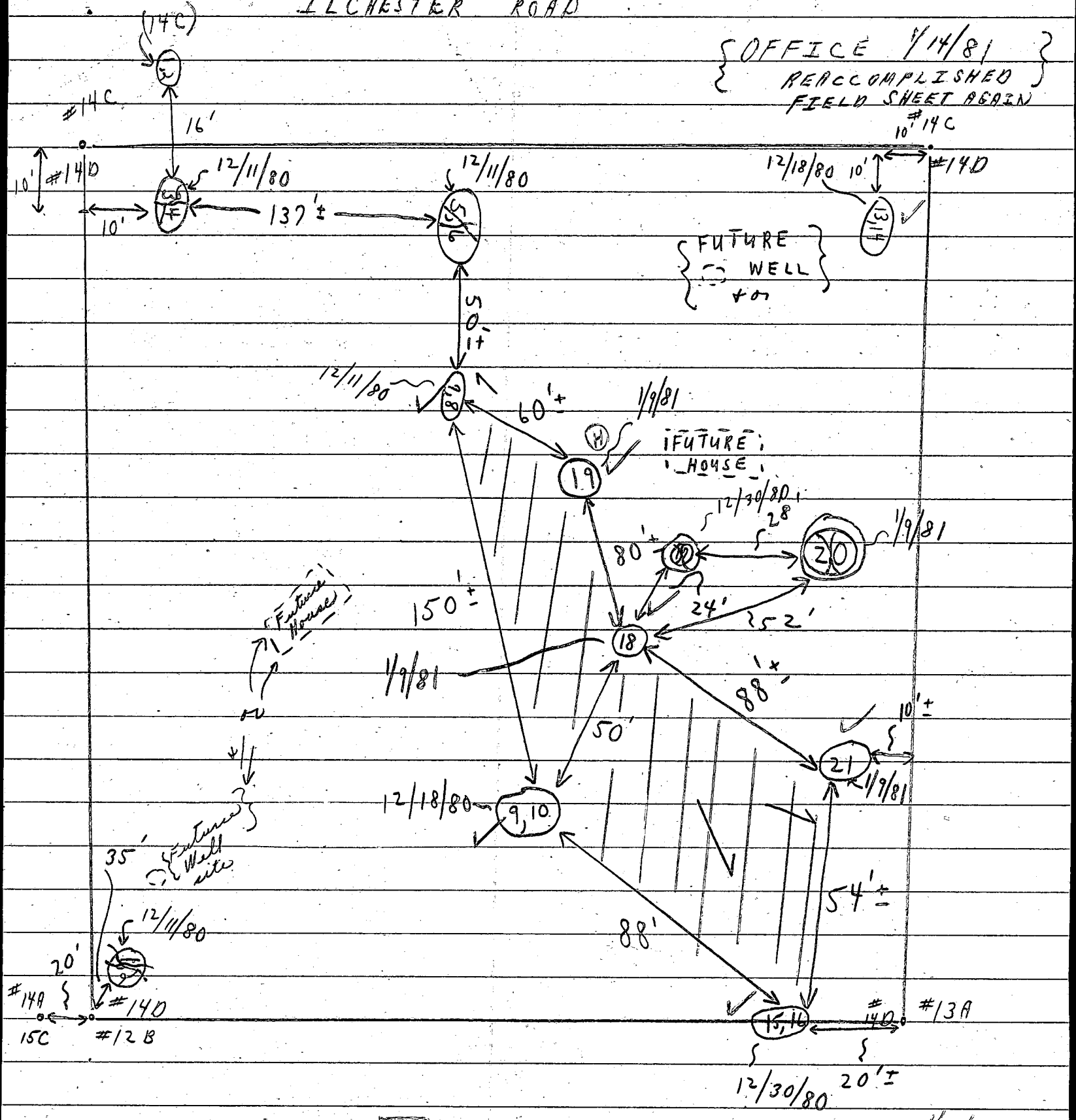
14D
12/30/80 & 12/31/80
Reaccomplished
Field Sheet



Note (1) lot had high brush and small trees all over lot
(2) High holes (19) (7,8) + (9,10)
(3) ✓ Good holes
(4) Possible septic area

HOWARD ASSOCIATES 14D

ILCHESTER ROAD



NEW RESERVE AREA AS OF 1/9/81

✓ HOLES PERCED SATISFACTORY

⊗ HOLES PERCED UNSATISFACTORY

EMERGENCY/TEMP NO IF ANY

B 1 1789 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-73-3899 *fill in this form completely*

DATE RECEIVED 4/30/81 (WRA USE ONLY)
2 7/15/81 9:00

OWNER INFORMATION

Holt — Mark
LAST NAME — OWNER — FIRST NAME

2305 59th Avenue
STREET OR RFD

Tuxedo MD 20785
TOWN — STATE — ZIP

B 1 CONTINUED DRILLER INFORMATION

Stanley W. Bollinger Jr — 308
DRILLER'S NAME — LICENSE NO.

[signature] — 4/29/81
SIGNATURE — DATE

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 550

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- (D) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) — circled
- F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- 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 200 FEET

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

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 DEEPENED WELLS
(Circle Appropriate Box)

- (N) THIS WELL WILL NOT REPLACE AN EXISTING WELL — circled
- 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)

B 3 LOCATION OF WELL

COUNTY Howard
SUBDIVISION Howard Associates Prop.
SECTION — LOT 14D
NEAREST TOWN Ellicott City
MILES FROM TOWN (enter 0 if in town) 3½ MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX): SE (circled)

Ilchester Road
NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): S (circled)

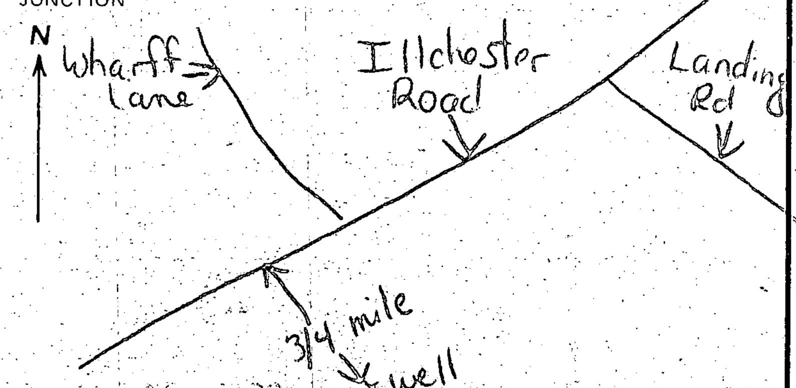
3/4
DISTANCE FROM ROAD (CIRCLE APPROPRIATE BOX) FT / (MI)

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

40' - casing
1' - above gr
15' - well
30' - jet
5 - bags cement
7/15/81

WRITE THE BOX NUMBER FROM THE MAP HERE
E 860
N 500

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 — A31064
COUNTY NAME — COUNTY NO.
EHA SIGNATURE — STATE HEALTH CIRCLE BOX S
MO DAY YR 04 30 81 — Frank Skinner, Sanitarian — [signature] — 5/1/81
CO. SIGNATURE — DATE
NORTH GRID 506 000 — EAST GRID 0863 000 — ELEV. (FT.)

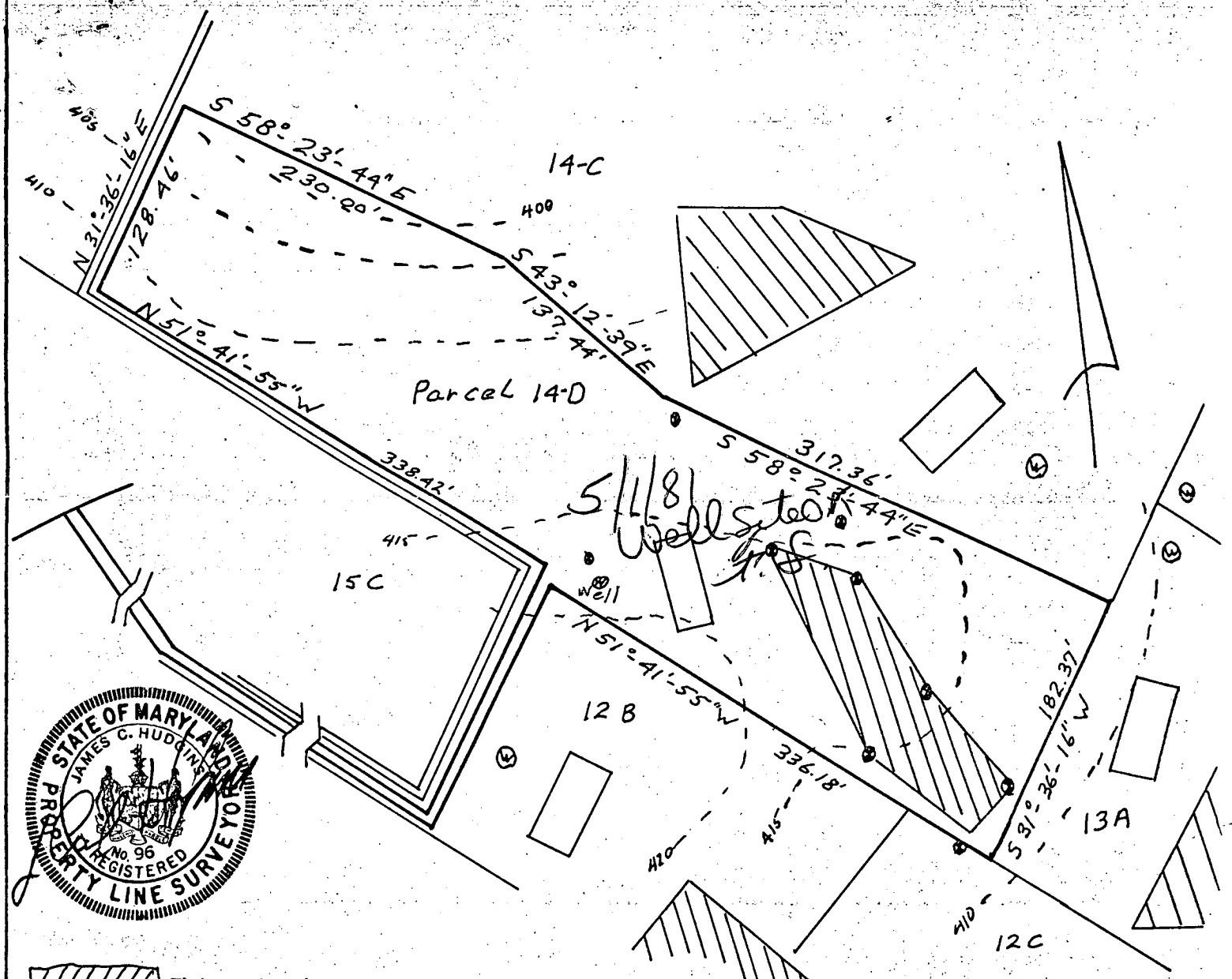
Not to be filled in by driller (WRA USE ONLY)

APPROP. PERMIT NUMBER GAP
FORCE — WRITE INITIALS IN BOX — CONDITIONS A E N S G W Q C L U (✓ ✓)

B 5 SPECIAL CONDITIONS (WRA USE ONLY)

HEALTH

FE 472



STATE OF MARYLAND
JAMES C. HUDGINS
No. 96
REGISTERED
PROPERTY LINE SURVEYOR

This area designates a private sewage easement of 10,000 square feet as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

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

Joyce Hudgins 3-24-81

County Health Officer — Date

PERCOLATION TEST PLAT
PARCEL 14D
DEED 1043/393
TALBOT'S LAST SHIFT
PROPERTY OF
HOWARD ASSOCIATES
1st Election District
Howard County, Maryland
Scale 1"=100'
Date 3/4/81

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

C 1 8267 SEQUENCE NO. (WRA 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 30 DAYS AFTER WELL IS COMPLETED

COUNTY NUMBER A31064

Date Received (WRA use only)

DATE WELL COMPLETED 11/4/91

Depth of Well 145 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-73-3899

OWNER Helt (last name) Mark (first name)

STREET OR RFD Ilchester Road TOWN Ellicott City

SUBDIVISION Howard Assoc. - Talbots Last Shift SECTION LOT 14 D

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	
Brown Shale	2	8	
Sand	8	35	
Brown Sandstone	35	112	
Brown Sandstone	112	114	J10
Granite	114	145	

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 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 IDENT. NO. 308

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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 5 NO. OF POUNDS 670

GALLONS OF WATER 30

DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 30 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	40

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	38	145
2			
3			

SLOT SIZE 1 ____ 2 ____ 3 ____

DIAMETER OF SCREEN (NEAREST INCH)

GRAVEL PACK from 15 to 145

IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX F

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

T (E.R.O.S.) W.Q

TELESCOPE CASING | LOG INDICATOR | OTHER DATA

C 3 (seq. no.)

PUMPING TEST
HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min. to nearest gal.) 10

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 45

WHEN PUMPING 145

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)

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

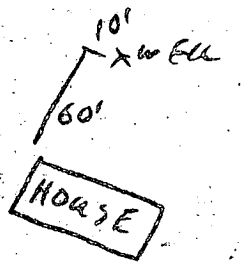
PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft)

CASING HEIGHT (circle appropriate box and enter casing height)

(+) above / (−) below LAND SURFACE (nearest foot) 1

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

Water Sample Request

PROPERTY OWNER Richard Kummer DATE OF REQUEST 12/18/87

TELEPHONE _____ NEW WELL NUMBER HD-73-3899

DIRECTIONS OR INSTRUCTIONS _____

NAME Richard Kummer

ADDRESS 5195 Talbots Landing Rd. EC 11425
Talbots Last Shot - Lot 14D

SAMPLE TYPE

____ Health Hazard
✓ U & O
____ Real Estate
____ Pond or Stream
____ Sewage
____ Other

REASON FOR REQUEST

____ Physician's Advice
— New Residence
____ Nitrate Monitoring
____ Taste or Odor
____ Treatment System Necessity
____ Plumbing or Well Repair
____ Replacement Well
____ Curiosity

SETTLEMENT DATE ____/____/____

SEPTIC SYSTEM: ✓ Approved ____ Disapproved DATE 10/20/87

CONDITION: _____

SUPPLY TYPE: ____ Drilled Well ____ Hand Dug ____ Spring ____ Public

CONDITION: A 31064

FIRST SAMPLE COLLECTOR Delmarva TIME 8:30 DATE 12/18/87

✓ BACTERIA _____, pH 6.9, Free Cl⁻ 0.0, Res. Cl⁻ 0.0, VOC _____

____ CHEMICAL _____, LEAD & COPPER ____, NITRATES 0.26, PESTICIDE _____

ACTION: Bact positive, Turb=6.0 NTU's

RESAMPLE COLLECTOR Delmarva DATE 1/12/88

✓ BACTERIA A252, pH ____, Free Cl⁻ 0.0, Res. Cl⁻ 0.0, TIME 9:00am

____ CHEMICAL _____, Other _____

ACTION: ICOP issued 1-21-88 JEN

RESAMPLE COLLECTOR M. Rifkin DATE 5/9/89 5/9

✓ BACTERIA AD526, pH 6.5, Free Cl⁻ 0.0, Res. Cl⁻ 0.0, TIME 11:25

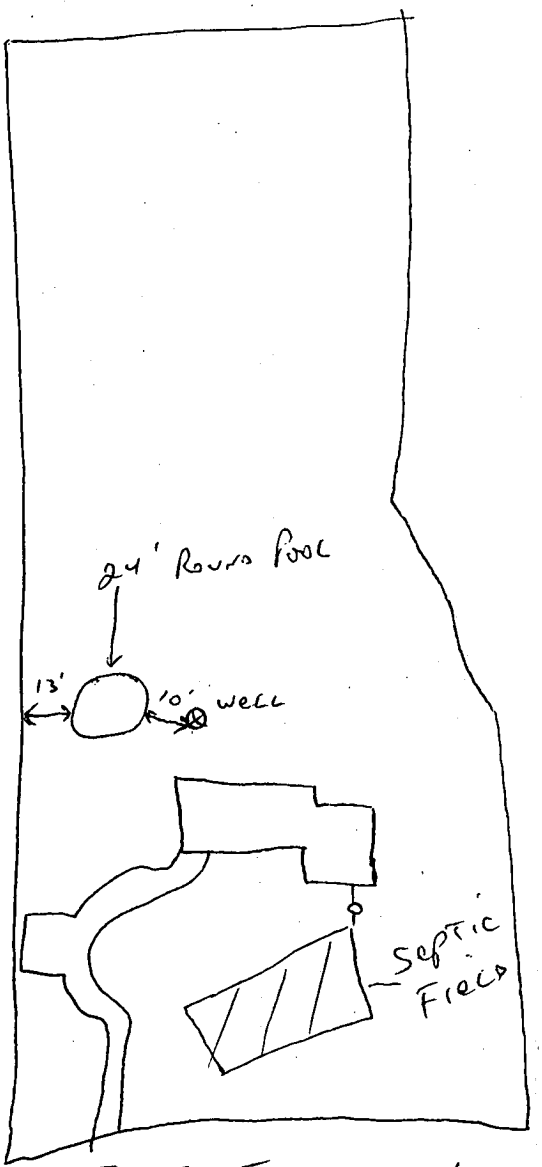
ACTION: 5/16 Send F.C.O.P.C.R.D

RESAMPLE COLLECTOR _____ DATE ____/____/____

____ BACTERIA _____, pH ____, Free Cl⁻ ____, Res. Cl⁻ ____, TIME _____

ACTION: _____

HD-232



N

NO IMPACT
well or SEPTIC
OK TO PROCEED
8/29/05
Craig Wellborn

5195 Talbot's Landing
(Lot 140)