

9/14/82
K...at

Approved 9/14/82
Stayer
P 32060
A 29012

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 5th

INDEX

DATE 7/30/82

Alan M. Ewing IS PERMITTED TO INSTALL X ALTER

ADDRESS 7011 Folded Palm, Columbia, Md. 21045 PHONE 992-0114

SUBDIVISION Broadwater Estates ROAD 5653 Chamblis Road LOT 1

PROPERTY OWNER R. Alan & Sue M. Ewing

ADDRESS 7011 Folded Palm
Columbia, Maryland

SPECIFICATIONS 4 Bedrooms

SEPTIC TANK CAPACITY 1200 GALLONS

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

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

Dry Well SEE PAGE PITS X ABSORBENT SIDE-WALL AREA 120 SQ. FT. per bedroom

INLET PIPE 3 1/2 FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH 9 1/2 FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT _____ FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA 215 FT. FROM Rear LOT LINE AND 250 FT. ^{in along} ~~from rear~~ LOT LINE ~~AS SEEN WHEN~~

~~FRONT OF LOT~~ from the right rear corner point as seen when facing the lot from Chamblis Drive per plat.

100'
100' long
5' x 40'
158
4
292

OR if dry well and trench used - need: (1) 2 inspections of trench before and after stone installed. (2) Run trenches on contour (3) 5 foot earth buffer between dry well and trench.

9/14/82 OK to use trench only system minimum 632 sq side wall area F.S.

PLANS APPROVED BY C. B. Streaker DATE 12/31/79

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.

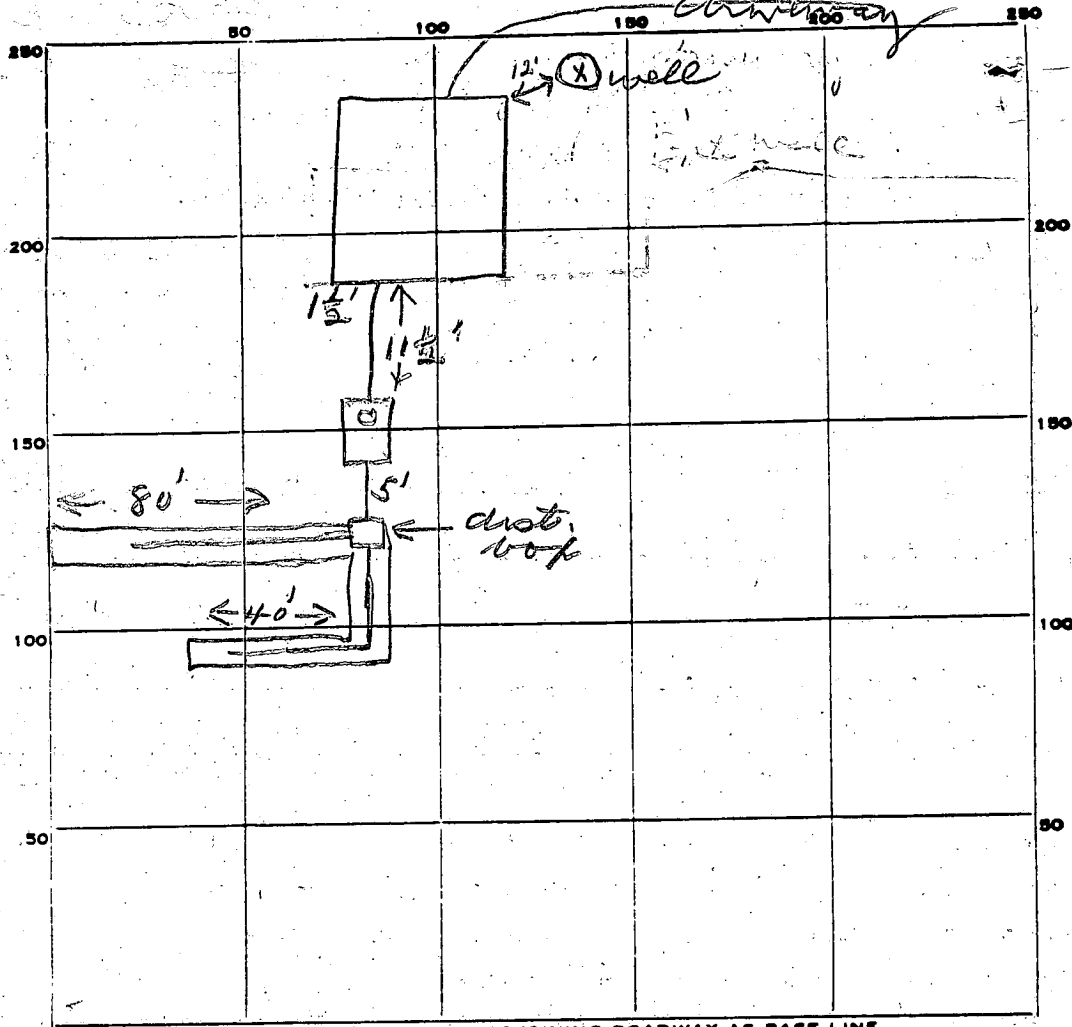
NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

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.

X.P. 29012



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Chamblos Rd

PERMIT CARD _____

SEPTIC TANK, LEVEL

CLEANOUTS *ST*

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH *9 1/2* FT. TRENCH WIDTH *2* FT.

GRAVEL DEPTH *6* IN. TOTAL LENGTH *120* FT.

NUMBER OF TRENCHES *2* TOTAL BOTTOM AREA *720*

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA *720* SQ. FT.

REMARKS *9/14/82 OK to add stone in trenches. jf*
9/14/82 OK to cover all work. jf

DATE SYSTEM APPROVED *9/14/82*

INSPECTOR *Stayer*

Prel

APPLICATION

A 29012

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 5th

⊗ *See attached sheet for specs.* DATE 10/11/78

BLDG. PERMIT SIGNED
AND RETURNED 2/23/82
Serial # 48 736

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 Arlic W. Broadwater *R. ALAN & Sue M. Ewing*

ADDRESS 5435 Broadwater Lane, Clarksville, Md. 21029 PHONE 992-0114
*7011 Falded Palm
Columbia, Md 21045*

PROPERTY LOCATION:

SUBDIVISION Broadwater Estates LOT NO. 1

ROAD AND DESCRIPTION off Broadwater Lane 5653 Chamblis Road

SIZE OF LOT 3.1 acres m/1 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/ Jack T. Gibson

APPROVED BY C. B. Stecker FOR ⊗ Dry Well + 10' + Trench DATE 12/31/79

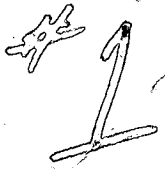
REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

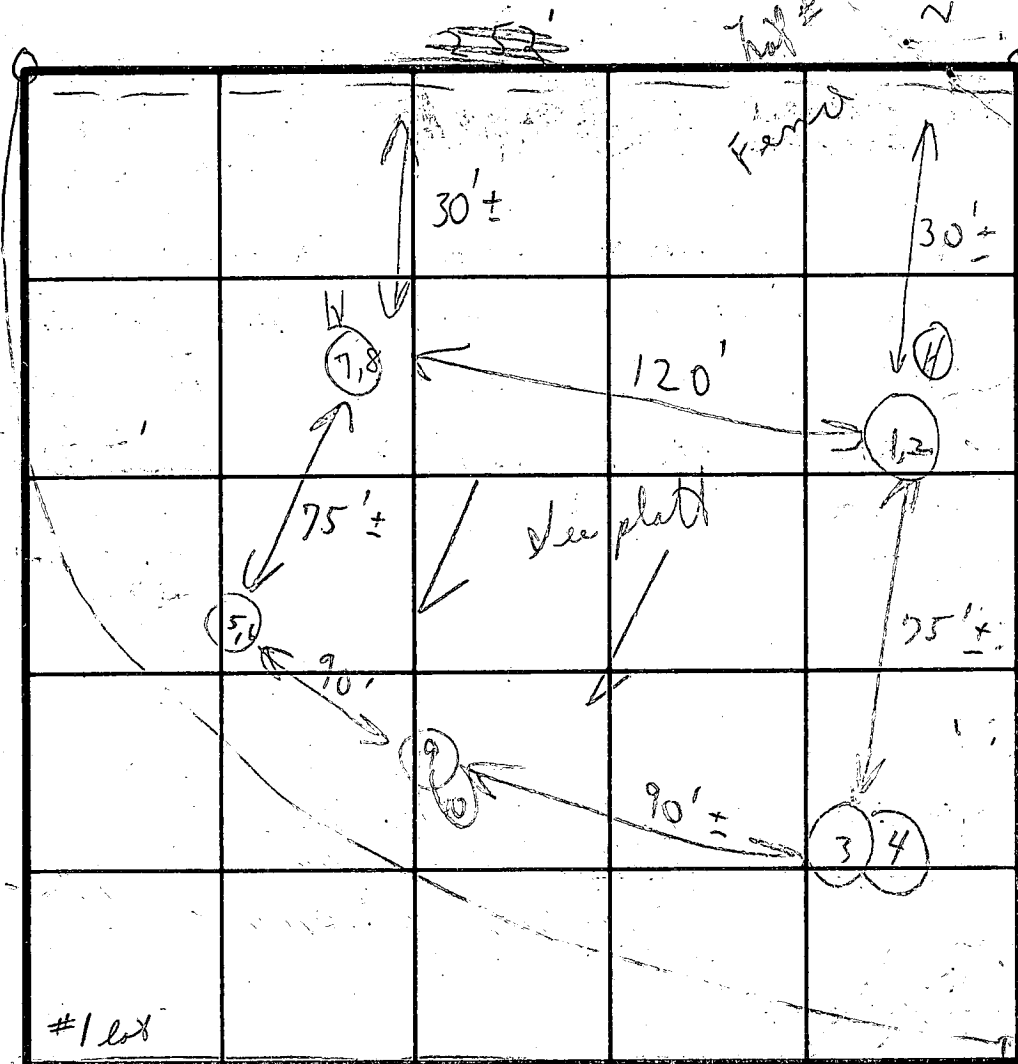
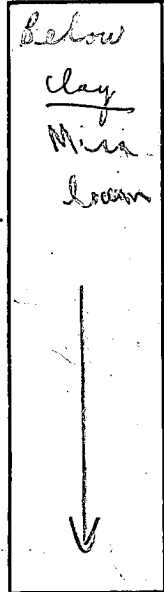
REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

Field sheet
Tests per
Stake



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/24/98	1	4'	12:41	12:42	12:42	12:44	2m
	2	9'	12:41	12:43	12:43	12:48	5m
	3	5'	12:35	12:37	12:39	12:43	4m
	4	9'	12:34	12:37	12:37	12:40	3m
	5	5'	12:59	1:01	1:01	1:04	3m
	6	9 1/2'	1:00	1:02	1:02	1:04	2m
	7	4 1/2'	1:05	1:06	1:06	1:08	2m
	8	9'	1:05	1:08	1:08	1:13	5m
	9	4'	12:50	12:51	12:51	12:53	2m
	10	8 1/2'	12:51	12:53	12:53	12:56	3m

REMARKS Tests in pasture Cold & Windy

TYPE OF SOIL

TESTED BY C. B. [Signature]

ALSO PRESENT

T. Wilson of Engineers
2 diggers

Depth
12 1/2'
12'
12 1/2'
12'
12'

#1 BROADWATER ESTATES

3 BEDROOMS - 1000 GALLON TANK

4 BEDROOMS - 1250 GALLON TANK

4 B.R. 2 1/2 Baths
@ 48736

⊗ DRY WELL - 120 square foot sidewall area per bedroom. Dry well

inlet maximum to be 3 1/2' feet below original grade and dry

well bottom to be 9 1/2 feet below original grade. Place the dry well 215

feet from the REAR lot line and 250 feet ^{IN ALONG} from the REAR lot

line ^{FROM THE RIGHT REAR CORNER POINT} as seen when facing the lot from CHAMBLIS DR road. PER PLATT.

⊗ OR IF DRY WELL & TRENCH USED - NEED:

- (1) 2 inspections of trench before and after stone installed.
- (2) Run trenches on contour.
- (3) 5' earth buffer between dry well and trench.

B 1 **1464** SEQUENCE NO. WRA USE ONLY
(THIS NUMBER IS TO BE PUNCHED IN COLS 3-6 ON ALL CARDS)

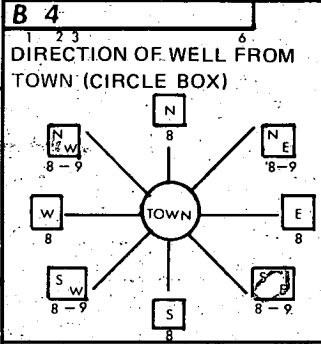
STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
please print or type

WRA PERMIT NUMBER
HO 73-3762
fill in this form completely

DATE RECEIVED **12-4-80**
8 (WRA USE ONLY) 13
OWNER INFORMATION
EWING R ALAN
LAST NAME OWNER FIRST NAME
11509 CROWS NEST RD
STREET OR RFD
CLARKSVILLE MD 21029
TOWN STATE ZIP

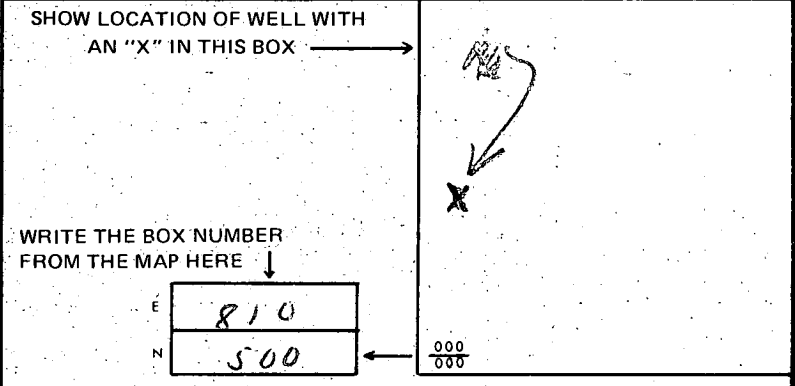
B 3 LOCATION OF WELL
COUNTY **HOWARD**
SUBDIVISION **BROADWATER ESTATES**
SECTION **1** LOT **1**
NEAREST TOWN **DAYTON**
MILES FROM TOWN (enter 0 if in town) **2** **MI**

B 1 CONTINUED DRILLER INFORMATION
HOWARD DILLON
DRILLER'S NAME
Howard Dillon
SIGNATURE DATE



CHAMBLIS DR
NEAR WHAT ROAD
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
WEST EAST SOUTH NORTH
100
DISTANCE FROM ROAD (CIRCLE APPROPRIATE BOX) **MI**

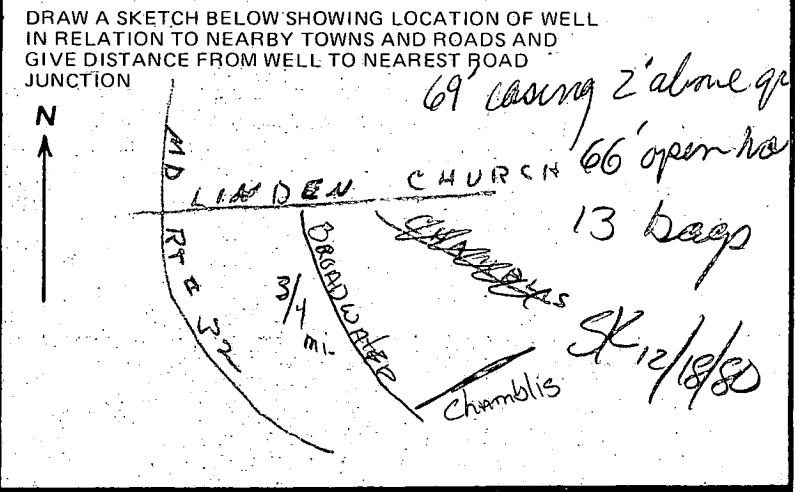
B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN) **5**
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **300**



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)

APPROXIMATE DEPTH OF WELL **250** FEET
APPROXIMATE DIAMETER OF WELL **6** INCH

Method of Drilling (circle one)
 BORED (OR AUGERED) JETTED JETTED & DRIVEN
 AIR ROTARY AIR PERCUSSION ROTARY (HYDRAULIC)
 CABLE REVERSE ROTARY DRIVE POINT ROTARY
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 DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____

B 4 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME **A29012** COUNTY NO.
EHA SIGNATURE **Fred Frommelt, Sanitarian** STATE HEALTH CIRCLE BOX **5**
MO DAY YR **7 20 80**
CO. SIGNATURE DATE
NORTH GRID **504** EAST GRID **0811** ELEV. (FT.) _____

Not to be filled in by driller (WRA USE ONLY)
APPROP. PERMIT NUMBER **GAP**
FORCE INITIALS CONDITIONS **WA**

B 5 SPECIAL CONDITIONS (WRA USE ONLY)

MATCH LINE

PLAT (C)
LANDS OF
BETH ADAMS
430/214
UG: R DISTRICT (RURAL)

111° 57' 29" W 159.02'

82° 24' 12" 03" W
172.16'

15' OF
15' OF
PD

882.56' PD

544' PD

292.63' PD

874° 34' 52" E 1156.70'

171.73'

172.16'

5.42' PS

97' PS

508' W

24' PD

75' PD

75' PD

27' PD

42' PD

36' PD

1
3.2 A±

100' R
WELL

actual well location

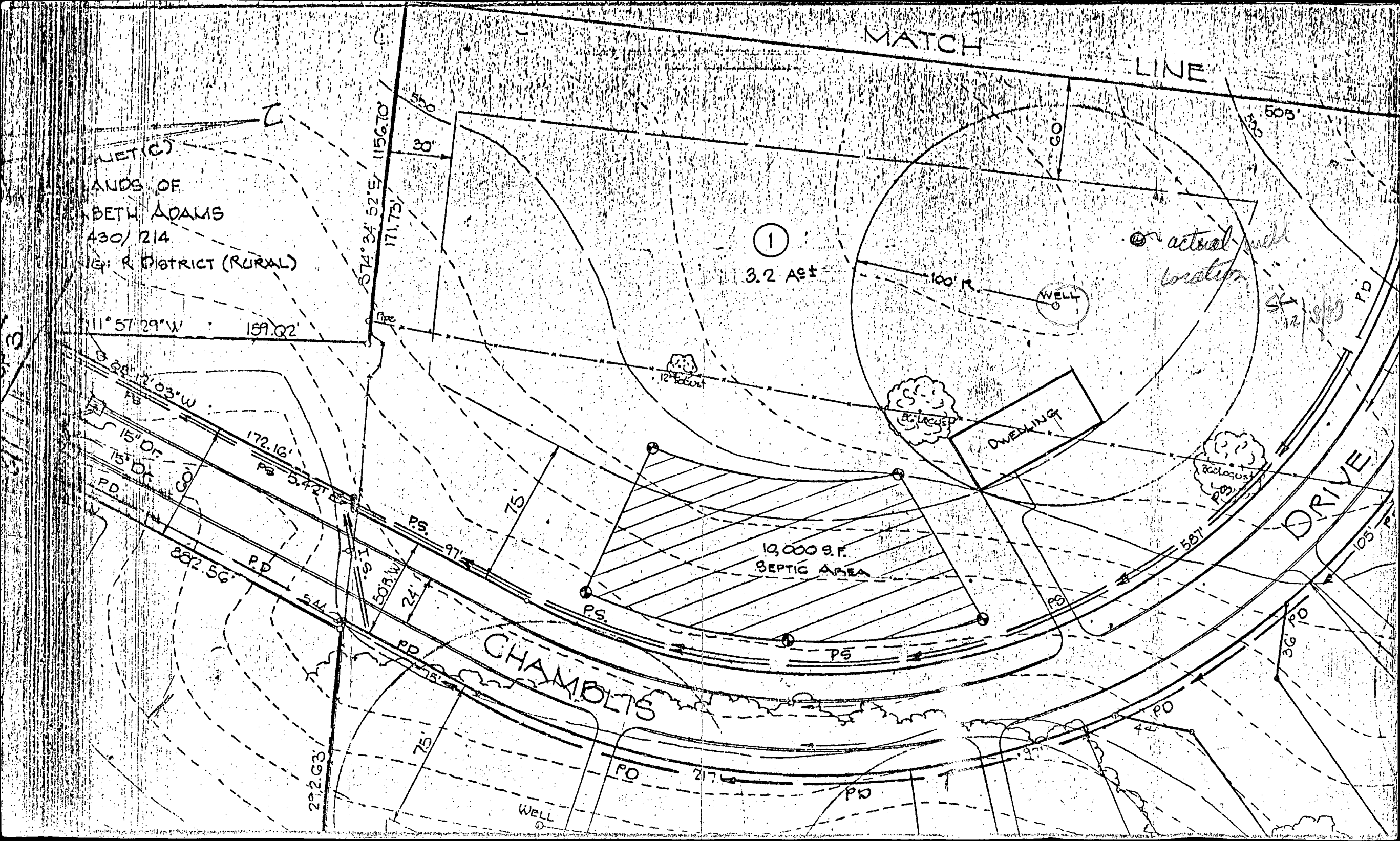
DWELLING

10,000 S.F.
SEPTIC AREA

CHAMBLIS

DRIVE

WELL



C1 4832 SEQUENCE NO. (WRA USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL IS COMPLETED COUNTY NUMBER A 29012

Date Received (WRA use only) 12/17/80 DATE WELL COMPLETED

Depth of Well 165 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 140-73-3762

OWNER Ewing last name AIAN first name STREET OR RFD 11509 CROWS NEST RD TOWN CLARKSVILLE MD 21029 SUBDIVISION Broadwater Est. SECTION LOT 2

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes handwritten entries: Mica soil 0-65, Mica Rock 65-165 X.

GROUTING RECORD. WELL HAS BEEN GROUTED (Y). TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC). NO. OF BAGS 13, NO. OF POUNDS 1170. GALLONS OF WATER. DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 65 ft.

CASING RECORD. MAIN CASING TYPE: ST (STEEL). Nominal diameter top(main) casing (nearest inch) 6. Total depth of main casing (nearest foot) 65-69?.

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

SCREEN RECORD. screen type or openhole: ST (STEEL), BR (BRASS, BRONZE), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER).

DEPTH (nearest ft.) 65-165. SLOT SIZE. DIAMETER OF SCREEN (NEAREST INCH).

GRAVEL PACK. 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 (OTHER DATA).

PUMPING TEST. HOURS PUMPED (nearest hour) 4. PUMPING RATE (gal. per min. to nearest gal.) 15. METHOD USED TO MEASURE PUMPING RATE: TIME. WATER LEVEL (distance from land surface) BEFORE PUMPING 80, WHEN PUMPING 110. 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) (Y). 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 LAND SURFACE, below (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).

- 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.

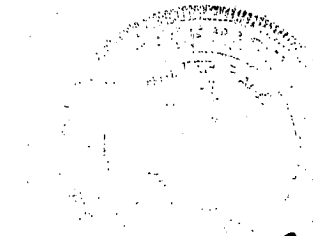
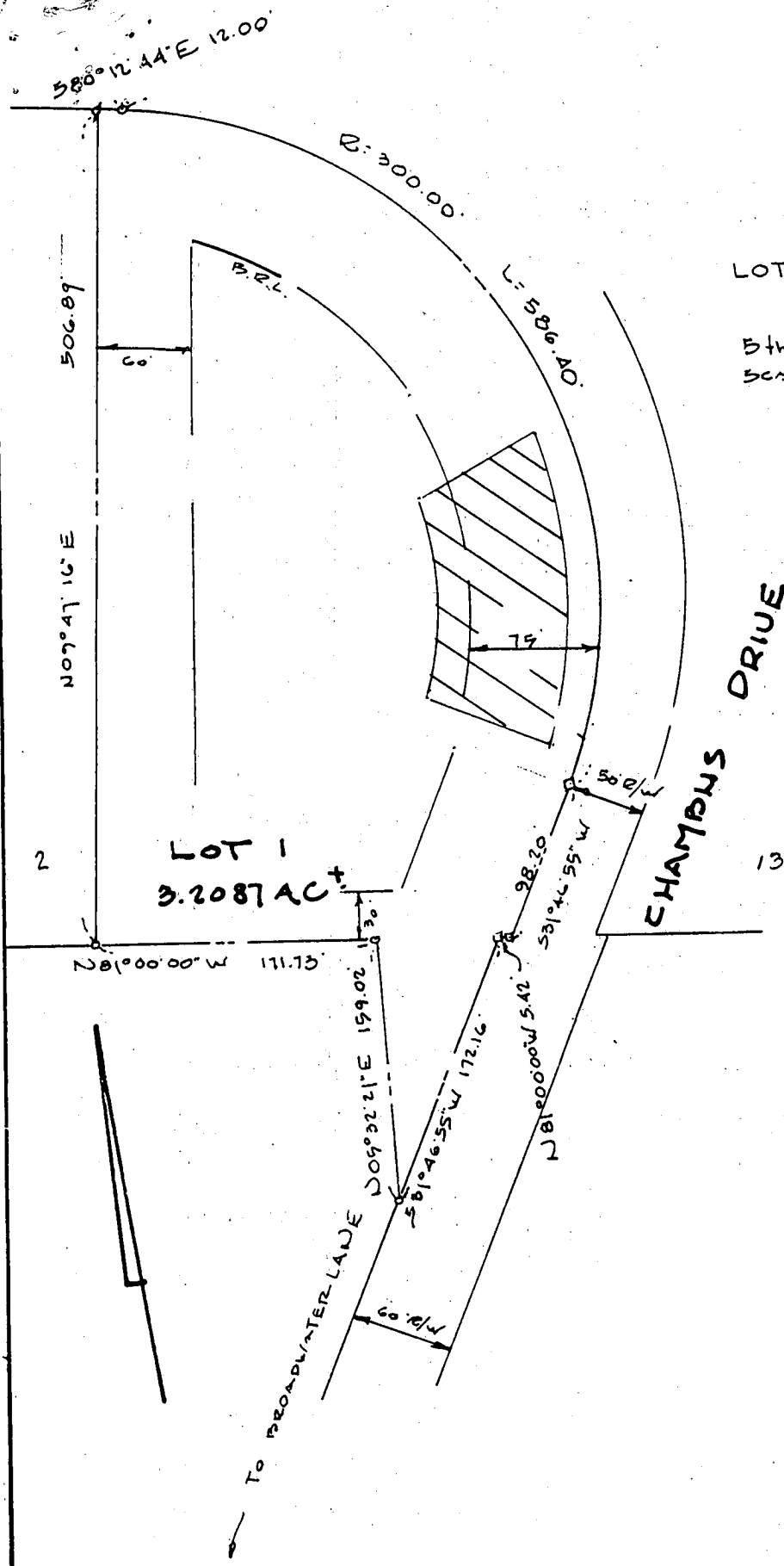
I HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLERS IDENT. NO. 209. DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION).

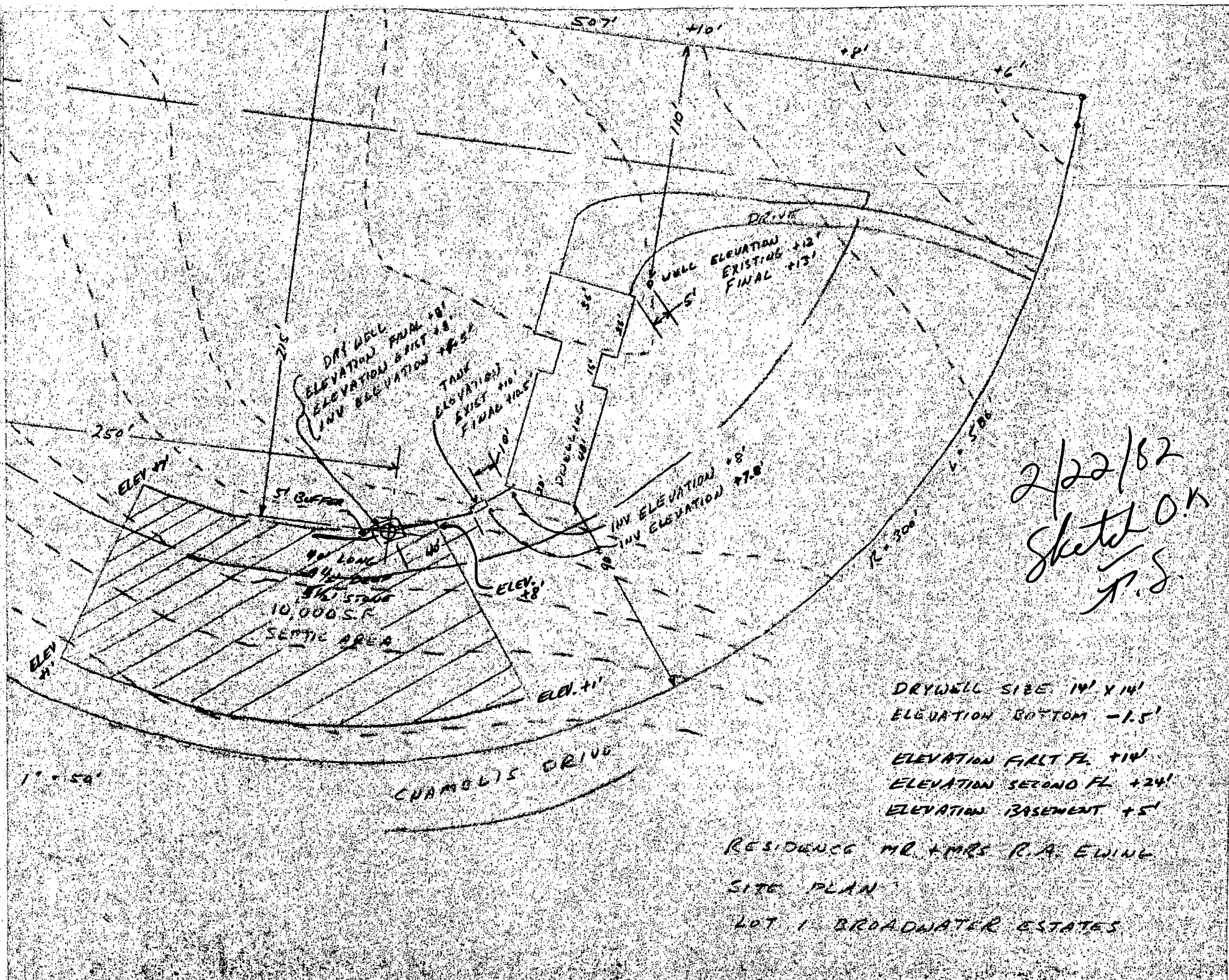
SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee).

LOT SURVEY

LOT 1 BROADWATER ESTATES
 PLAT # 4467
 BTHELECTION DIST. HOWARD CO. MD
 SCALE 1"=100' NOV. 24, 1980



Walter Parks
 HUDKINS ASSOCIATES
 231 JOSEPH SQUARE
 COLUMBIA, MD 21044



2/22/62
 Sketch O.K.
 P.S.

DRYWELL SIZE 14' X 14'
 ELEVATION BOTTOM -1.5'
 ELEVATION FIRST FL. +14'
 ELEVATION SECOND FL. +24'
 ELEVATION BASEMENT +5'

RESIDENCE MR. + MRS. R.A. EWING
 SITE PLAN
 LOT 1 BROADWATER ESTATES