

1/4/96
3:30 do
15/96 10:00
351669

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50956

A 50485

DISTRICT 5th

DATE 11-2-95

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

INDEXED
Wm. E. Hopkins

XX ~~3819933~~ 313-2640

DATE SYSTEM APPROVED 1/2/96

INSPECTOR *[Signature]*

(Will Hopkins) (410) 549-2675
17540 Old Frederick Rd

Barnard Brothers Construcion Company IS PERMITTED TO INSTALL ALTER

ADDRESS 1612 Brittle Branch Way, Woodbine, MD 21797 PHONE 410-489-7621

SUBDIVISION Grimes Property LOT Parcel # 118 ROAD 4718 4750 Linthicum Road

PROPERTY OWNER Patricia M. Oden

ADDRESS mt airy 21771

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 3 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 5 1/2 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 300 feet down the right lot line and 10 feet off the same lot line. Run trenches on contour to front of lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 5/4/95 DRS

PLANS APPROVED BY Mark Rifkin DATE 03/27/95

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, 90° ELBOWS NOT ACCEPTABLE.

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 35/40 PVC OR ABS

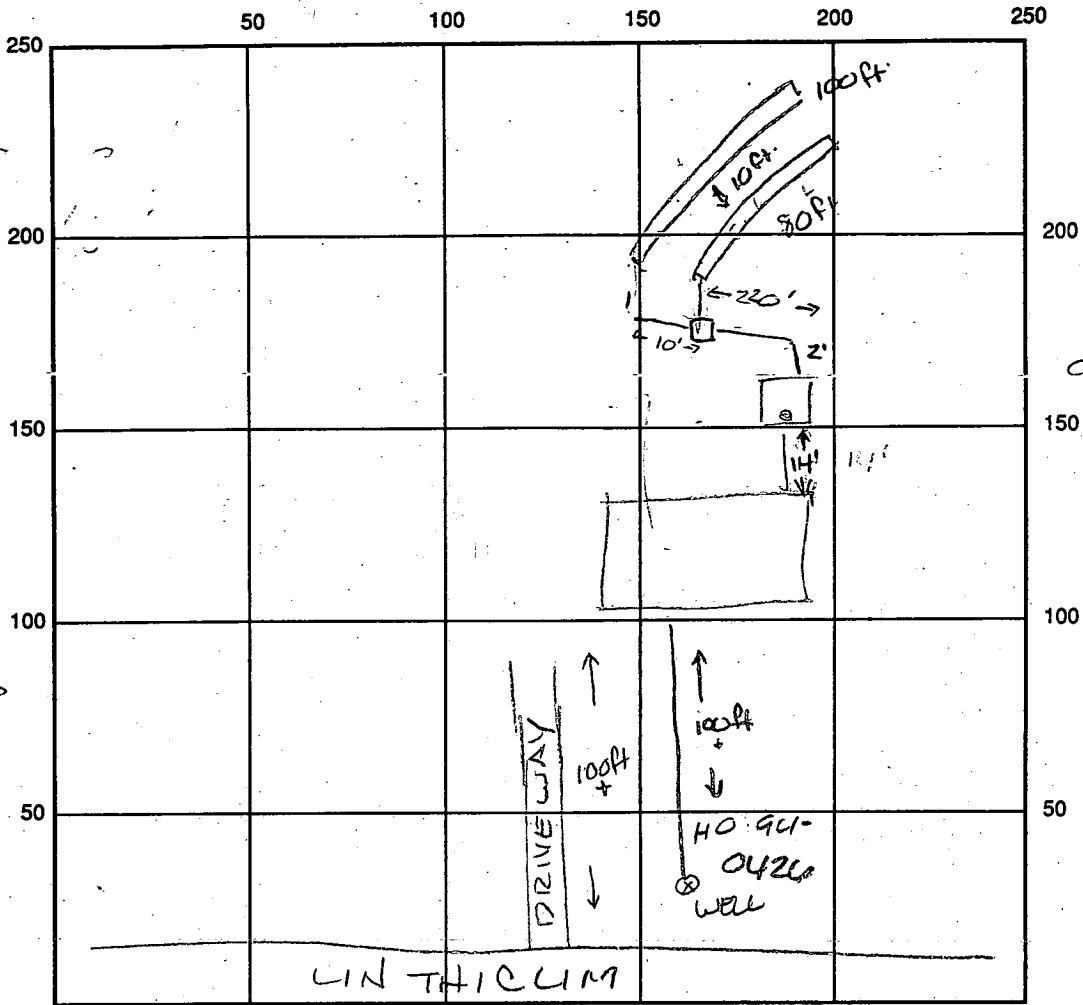
PERMIT VOID AFTER TWO YEARS

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 PVA 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 APPROVAL ON THIS PERMIT**

A 50485



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL

CLEANOUTS

DISTRIBUTION BOX LEVEL

DRAIN FIELD/TITLE DEPTH 5 1/2 FT.

TRENCH WIDTH 3 FT.

INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 1/2 FT.

TOTAL LENGTH 180 FT.

NUMBER OF TRENCHES 2

ONE SIDEWALL/BOTTOM AREA _____ SQ. FT.

DRYWALL INSIDE DIAMETER _____ FT.

EFFECTIVE DEPTH BELOW INLET 11 1/2 FT.

NET ABSORBENT AREA 540 SQ. FT.

REMARKS:

80ft + 100ft trench to be dug OK Dykes 1/4/96.

SEPTIC TANK INSTALLED OIL.

DATE SYSTEM APPROVED

1/5/96

INSPECTOR

Dykes

APPLICATION

1/24/95
10:00

PERCOLATION TESTING

A 50485
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE. 461-9933

PERCOLATION OK
EXISTING LOT
CW

DISTRICT _____
DATE 4/18/95

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 Alton Grimes Patricia Olen

ADDRESS 4720 Linthicum Rd. Dayton MD 21036 PHONE 531-3603

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION N/A LOT NO. N/A

ROAD AND DESCRIPTION Howard Rd. 4730 Linthicum Road

TAX MAP 28 PARCEL # 118

SIZE OF LOT 2.07 acres

BLDG. PERMIT SIGNED
AND RETURNED 4/18/95
Serial # 58958-SFD-3Bom
TYPE BLDG Single family
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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.

Shelley O'Connell
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS PERC OK DATE 1

REASONS FOR REJECTION OR HOLDING PERC OK, HOLD FOR PLAT 1/24/95

HD-216

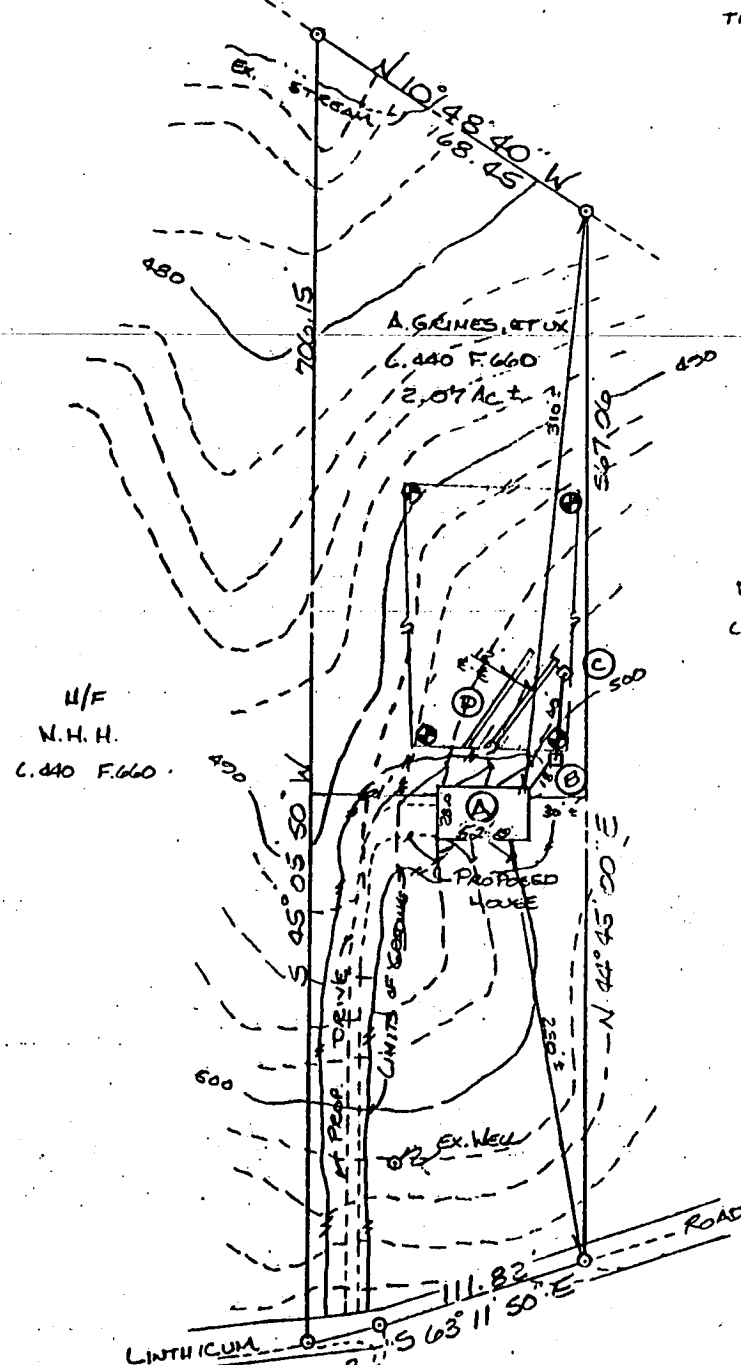
THIS IS NOT A PERMIT

(A) = PROP. S. BED. HOUSE
 F.F. ELEV. = 602.0
 GR. ELEV. = 497.6
 INV. ELEV. = 496.4

(B) = PROP. SEPTIC TANK
 EX. ELEV. = 600.7
 INV. IN. = 496.2
 INV. OUT. = 496.0

(C) = PROP. DIST. BOX
 EX. ELEV. = 498.7
 INV. ELEV. = 496.6

(D) = PROP. TRENCHES
 INV. ELEV. = 496.2
 2' STONE, 5.5' BOTTOM MAX
 LENGTH TO BE DETERMINED AT
 TIME OF SEPTIC PERMIT ISSUANCE.



U/F
 N.H.H.
 C. 440 F. 660

U/F
 D. HARP
 C. 110 F. 210

11/2/95
 REVISION OF HOUSE PLAN,
 NO IMPACT TO WELL OR SEPTIC,
blh

PLOT PLAN
 OF THE LANDS CONVEYED TO
 ALTON D. GRIMES
 &
 CATHERINE G. GRIMES
 LIBER 440 FOLD 660
 SITUATED ON LINTHICUM ROAD
 ELECTION DISTRICT 12 5
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' October 1995

58953

REVISED

Date: 11-2-95

Comments: *Amended*



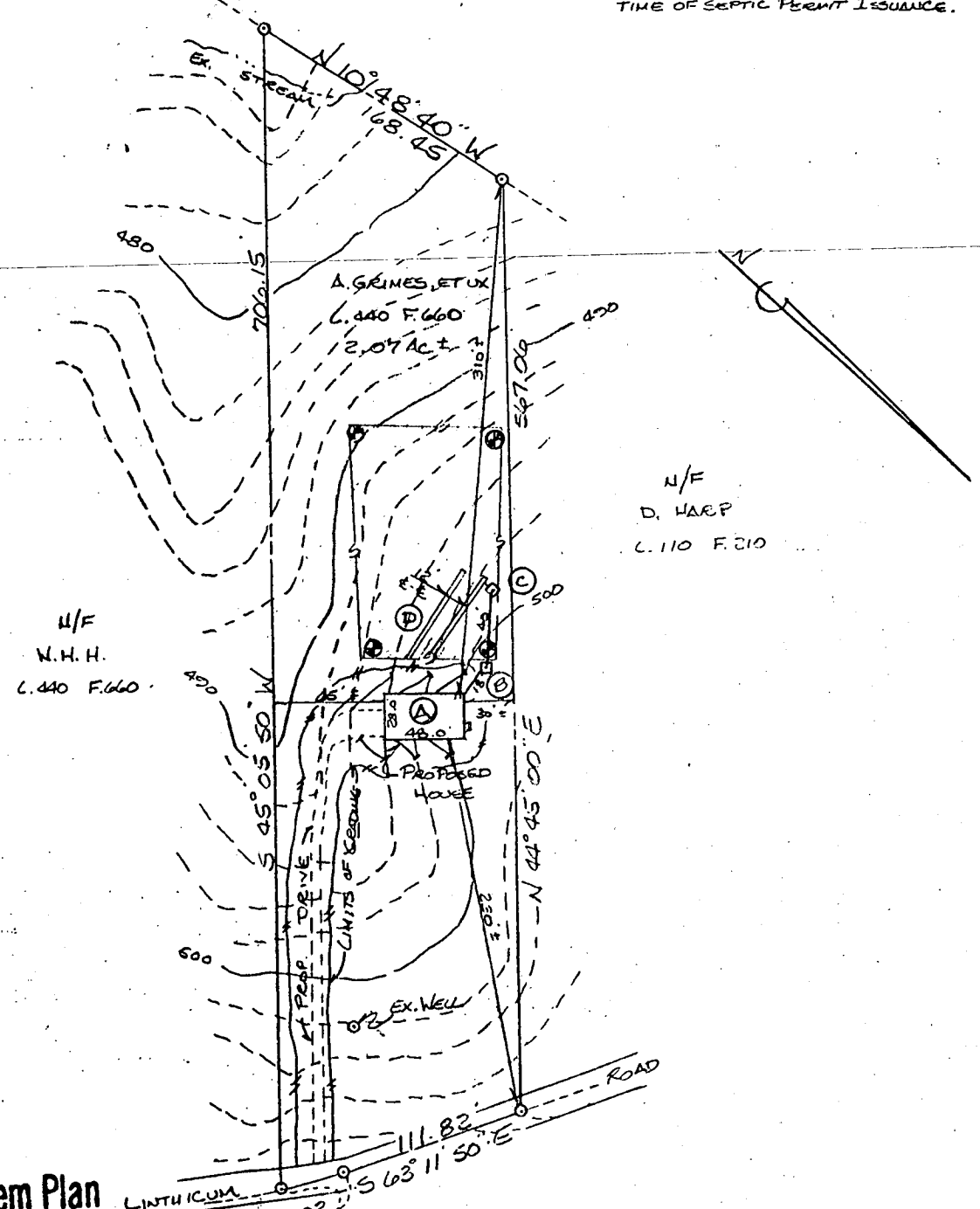
1120 08893

(A) = PROP. 3' BED. HOUSE
 F.F. ELEV. = 602.0
 BENT ELEV. = 497.6
 INV. ELEV. = 496.4

(B) = PROP. SEPTIC TANK
 EX. ELEV. = 600.7
 INV. IN. = 496.2
 INV. OUT. = 496.9

(C) = PROP. DIST. BOX
 EX. ELEV. = 498.7
 INV. ELEV. = 496.6

(D) = PROP. TRENCHES
 2' STONE, 3.5' BOTTOM MAX
 LENGTH TO BE DETERMINED AT
 TIME OF SEPTIC PERMIT ISSUANCE.



Approved Septic System Plan
 Howard County Health Department

Amy M. Miller 4-18-95
 Signature Date

PLAT PLAN
 OF THE LANDS CONVEYED TO
 ALTON D. GRIMES
 &
 CATHERINE G. GRIMES
 LIBER 440 FOLIO 660
 SITUATED ON LINTHICUM ROAD
 ELECTION DISTRICT 125
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' APRIL 1995



Gary
 Barnard
 489
 7621

1612
 Brittle
 Branch Way

1035
 St. Michael's Rd

Woodbine MD
 21797

A. GRIMES, ET UX
 L. 440 F. 660
 2.07 AC ±

N/F
 D. HARP
 L. 110 F. 210

N/F
 W. H. H.
 L. 440 F. 660

FAIL →

Proposed House

Well site

Proposed Well

SEPTIC c/o

SEPTIC c/o

Ex Well

Ex Well

Lot
 Linet

PERCOLATION TEST PLAT
 OF THE LANDS CONVEYED TO
 ALTON D. GRIMES
 &
 CATHERINE G. GRIMES

LIBER 440 FOLIO 660
 SITUATED ON LINTHICUM ROAD
 ELECTION DISTRICT N 2 5
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' MAR. 1995

NOTE: ALL WELLS AND SEPTIC AREAS WITHIN 200 OF
 PROPERTY BOUNDARIES HAVE BEEN SHOWN
 NOTE: TOPOGRAPHY IS BASED ON ASSUMED DATUM

A = 38.02'
 R = 395.00'

LINTHICUM

111.83'

S 63° 11' 50" E

N 44° 45' 00" E

S 45° 05' 50" W

706.15'

N 10° 48' 40" W
 68.45'

710.31'

547.06'

500'

490'

480'

470'

460'

450'

440'

430'

420'

410'

400'

390'

380'

370'

360'

350'

340'

330'

320'

310'

300'

290'

280'

270'

260'

250'

240'

230'

220'

210'

200'

190'

180'

170'

160'

150'

140'

130'

120'

110'

100'

90'

80'

70'

60'

50'

40'

30'

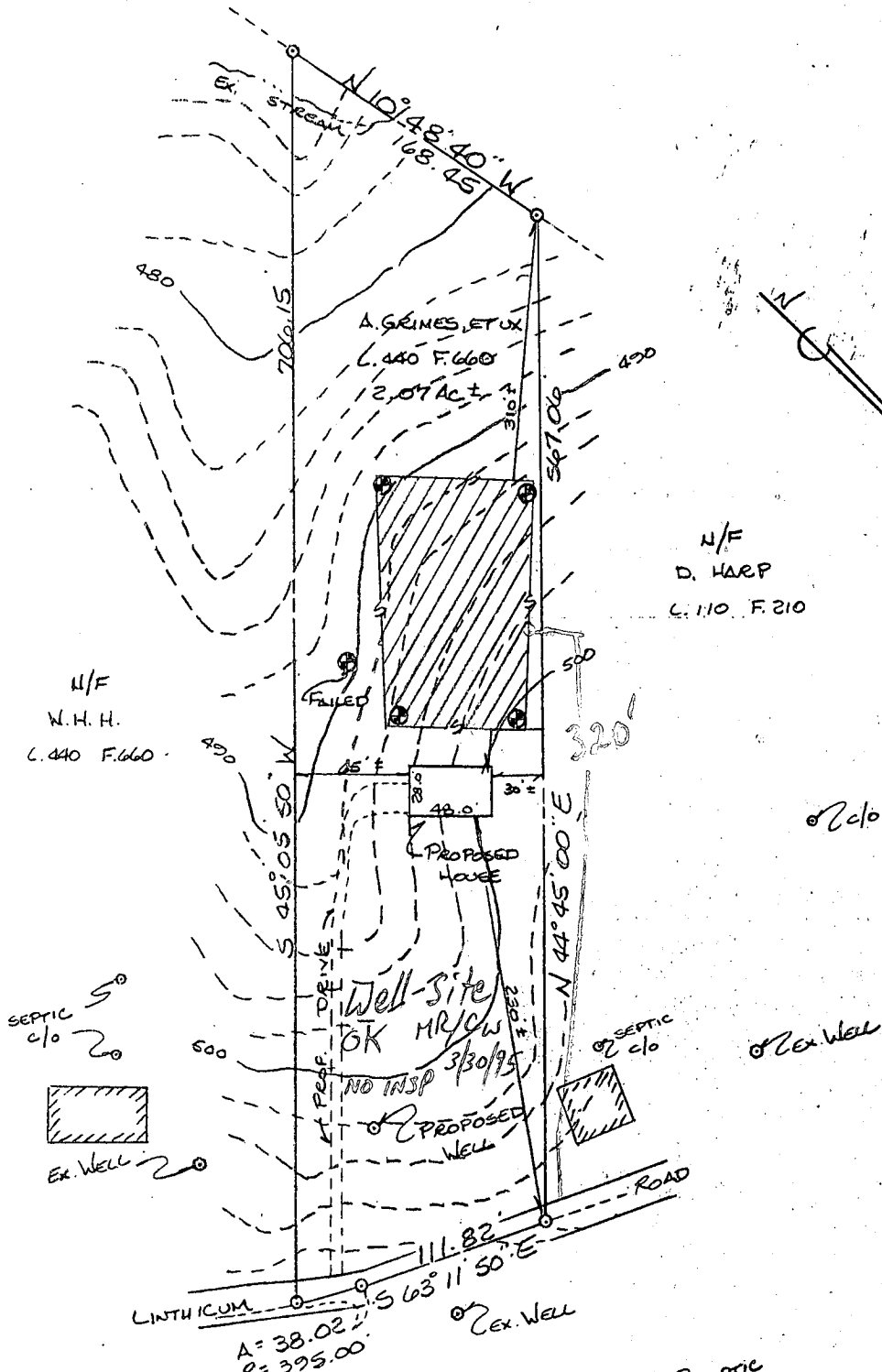
20'

10'

0'



This area designated private sewage easement of a minimum of 10,000 sq. ft. as required by the Department of Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewerage is available and servicing any residential structures constructed on these building sites. These easements shall become null and void upon connection to a public sewerage system. The county health officer shall have authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.



NOTE: ALL WELLS AND SEPTIC AREAS WITHIN 200' OF PROPERTY BOUNDARIES HAVE BEEN SHOWN.

NOTE: TOPOGRAPHY IS BASED ON ASSUMED DATUM.

PERCOLATION TEST PLAT
 OF THE LANDS CONVEYED TO
 ALTON D. GRIMES
 &
 CATHERINE G. GRIMES
 LIBER 440 F. 660
 SITUATED ON LINTHICUM ROAD IN
 ELECTION DISTRICT N 5
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' MAR. 1995

⊕ = EXISTING PERC HOLE

APPROVED
 FOR PRIVATE WATER AND SEPTIC SYSTEMS

3/24/95
 DATE
 Howard County Health Officer (fw)

I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.

NH NASSAUX-HEMSLEY, INC.

4140 RIDGE ROAD
 TAYLORSVILLE, MARYLAND

410-875-0722

21157

REFERENCE

JOB NO.

L. 440 F. 660

9557 0603



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

March 16, 1995

Mr. Gary Barnard
1612 Brittle Branch Way
Woodbine, MD 21797

RE: Percolation Certification Plat
Alton Grimes Property
Map 28, Parcel 118
Linthicum Road

Dear Mr. Barnard,

The above referenced document has been signed by the Howard County Health Officer.

The document was recommended for signature subject to the following caution: the location of the proposed well site is the subject of some concern due to its land position downslope of existing septic systems (and their likely repair areas) serving properties across Linthicum Road. While the 100-foot minimum setback from this proposed well location to all septic systems/repair areas has been maintained, the concern is that a well drilled at this location may be somewhat more vulnerable to contamination due to its land position and the location of the swale and the swale's tendency to concentrate pollutants.

However, there does not appear to be a clearly better solution to this situation, and the risk of contamination is by no means certain. Therefore, the decision was made by this office to accept the plan for signature as long as all parties are aware of the concerns regarding the proposed well site.

Very truly yours,

Mark E. Rifkin, R.S.
Sanitarian
Water & Sewerage Program

MR

cc: Mr. Alton Grimes

C1 3680

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER A 50485

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

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

041094

040795

400

HO-94-0426

OWNER Barnard Brothers, STREET OR RFD Linthicum Road, TOWN Dayton, SUBDIVISION GRIMES PROPERTY SECTION, LOT Map 28, Par 118

WELL LOG Not required for driven wells. STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if-needed), FEET (FROM, TO), Check if water bearing. Includes entries for SAND and GRAYMICA ROCK.

GROUTING RECORD. WELL HAS BEEN GROUTED (Y). TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC). NO. OF BAGS: 19, NO. OF POUNDS: 1786.

CASING RECORD. MAIN CASING TYPE: PL (PLASTIC). Nominal diameter: 6 inch, Total depth: 88 feet.

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

SCREEN RECORD. screen type or open hole: HO (OPEN HOLE). DEPTH (nearest ft.) 86, 400.

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED. WELL HYDROFRACTURED: Y.

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 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS IDENT. NO. 24, DRILLERS SIGNATURE: Joseph L. Mayo

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

GRAVEL PACK. IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68. MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER).

TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST. HOURS PUMPED (nearest hour) 6. PUMPING RATE (gal. per min. to nearest gal.) 2.5. METHOD USED TO MEASURE PUMPING RATE: Bucket.

PUMP INSTALLED. DRILLER WILL INSTALL PUMP YES (NO). TYPE OF PUMP INSTALLED: S (submersible). CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (circle appropriate box and enter casing height).

