

5/20/96 noon

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-358446

P 56589

A 50812

DISTRICT 4th

DATE 5/1/96

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

INDEXED

DATE SYSTEM APPROVED 5/21/96

INSPECTOR M. Ripkin

R.L. Burdette Enterprises, Inc.

IS PERMITTED TO INSTALL X ALTER

ADDRESS Griffith Road, Mt. Airy, MD 21771

PHONE (301) 831-5517

SUBDIVISION Wollman & Reeve Property LOT 5 ROAD 16491 Ed Warfield Road

PROPERTY OWNER Harold and Deonne Wollman

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

240 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 2 feet wide. Inlet 2 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 2 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - From the intersection of the front lot line and the pipe stem, place the distribution box 140' towards the right lot line and 215' off that same lot line as seen from Ed Warfield Road.

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

CL 12/13/95

### BUILDING PERMIT SIGNED

AND RETURNED 4-18-96

PLANS APPROVED BY Glen Savage

BOD 135575-NKIA-DEAR

DATE 11/16/95

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

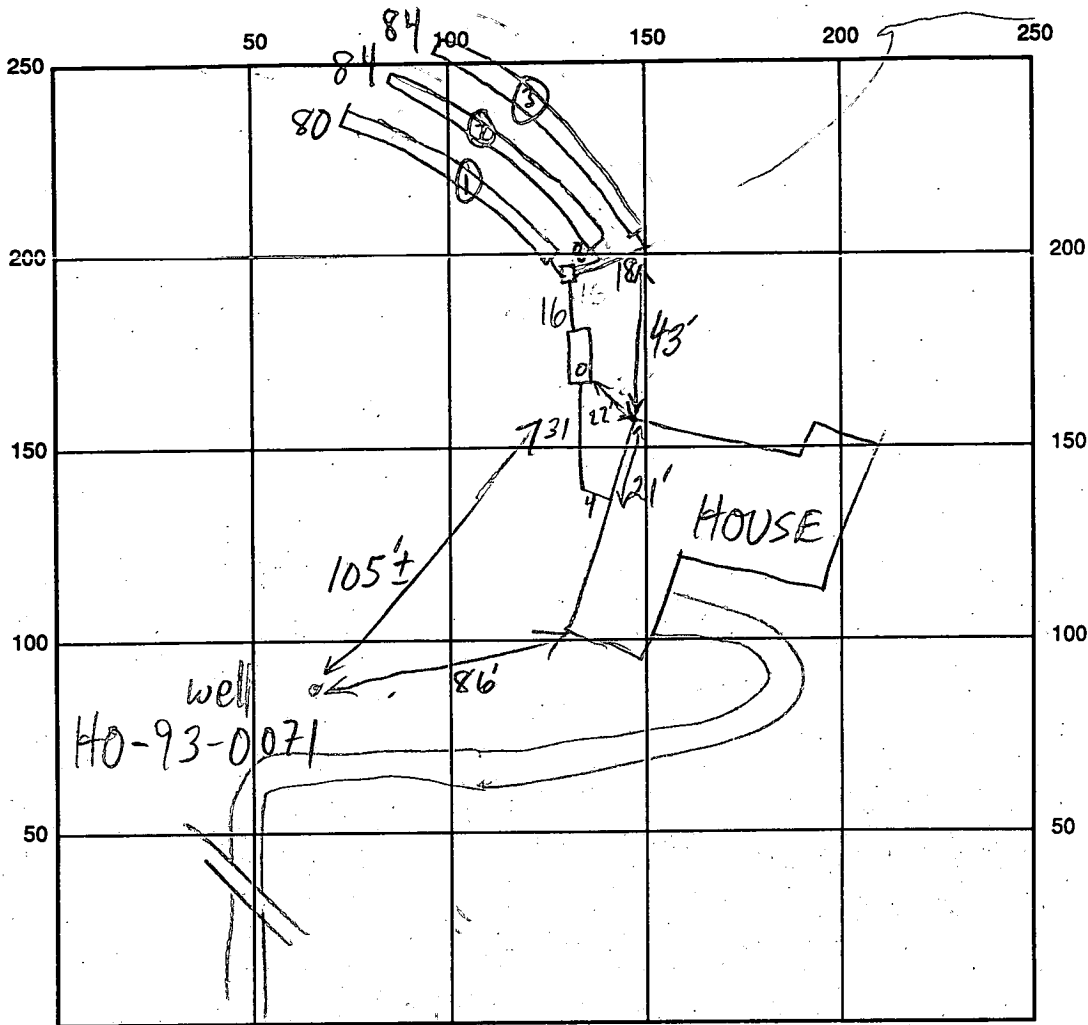
\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

HD-260(6-90)

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

Add'l on - Prepare Tank  
BLDG. PERMIT SIGNED  
AND RETURNED 6-24-96  
Serial # B00100671

A 50812



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

ED WARFIELD RD

SEPTIC TANK LEVEL 1250 GAL CLEANOUTS S.T. - OK

DISTRIBUTION BOX LEVEL OK - BAFFLE IN

DRAIN FIELD/TITLE DEPTH 1 1/2 / 3 / 6 / 6 FT. TRENCH WIDTH 2 FT. INLET DEPTH 1 1/2 / 3 / 2 / 2 FT.

EFFECTIVE GRAVEL DEPTH 4 / 4 / 4 FT. TOTAL LENGTH 80 / 284 FT. **BUILDING PERMIT SIGNED AND RETURNED** 84

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 320 / 336 / 336 SQ. FT.

DRYWALL INSIDE DIAMETER      FT. EFFECTIVE DEPTH BELOW INLET      FT.

ABSORBENT AREA 992 SQ. FT.

REMARKS: 5/20/96 OK TO STONE TRENCH ①; DIG + STONE TRENCH ②;

LEAVE 20' OPEN AT END MR

5/21/96 #1 OK TO COVER TRENCHES ① AND ②, STONE ③ MR

5/21/96 OK TO COVER MR

DATE SYSTEM APPROVED 5/21/96 INSPECTOR M. Ripkin

16100  
8/25/95

# APPLICATION

PERCOLATION TESTING

A 50812

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 8-2-95

*PERMITS OK  
APPROVAL IS EXISTING LOT OF 26 COND (CW)*

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Deonne + Harold Wollman, J. Landon Reeve, IV

ADDRESS 3275 Jennings Chapel RD, Woodbine, MD 21797 PHONE 301-410-442-2161

AGENT OR PROSPECTIVE BUYER Same as above

ADDRESS Same as above PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION See attached LOT NO. NA 5

ROAD AND DESCRIPTION see attached 16491 ED WARFIELD ROAD

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

**BLDG. PERMIT SIGNED  
AND RETURNED 12-1-95**

SIZE OF LOT 3.274 Ac. TYPE BLDG. Single Family Dwelling - 4 Brms  
142,601.828 square feet (SINGLE FAMILY DWELLING OR COMMERCIAL)  
*Send # 62587*

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.

Deonne R. Wollman / Harold Wollman  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

A-50812  
COUNTY #

Ex  
HOUSE

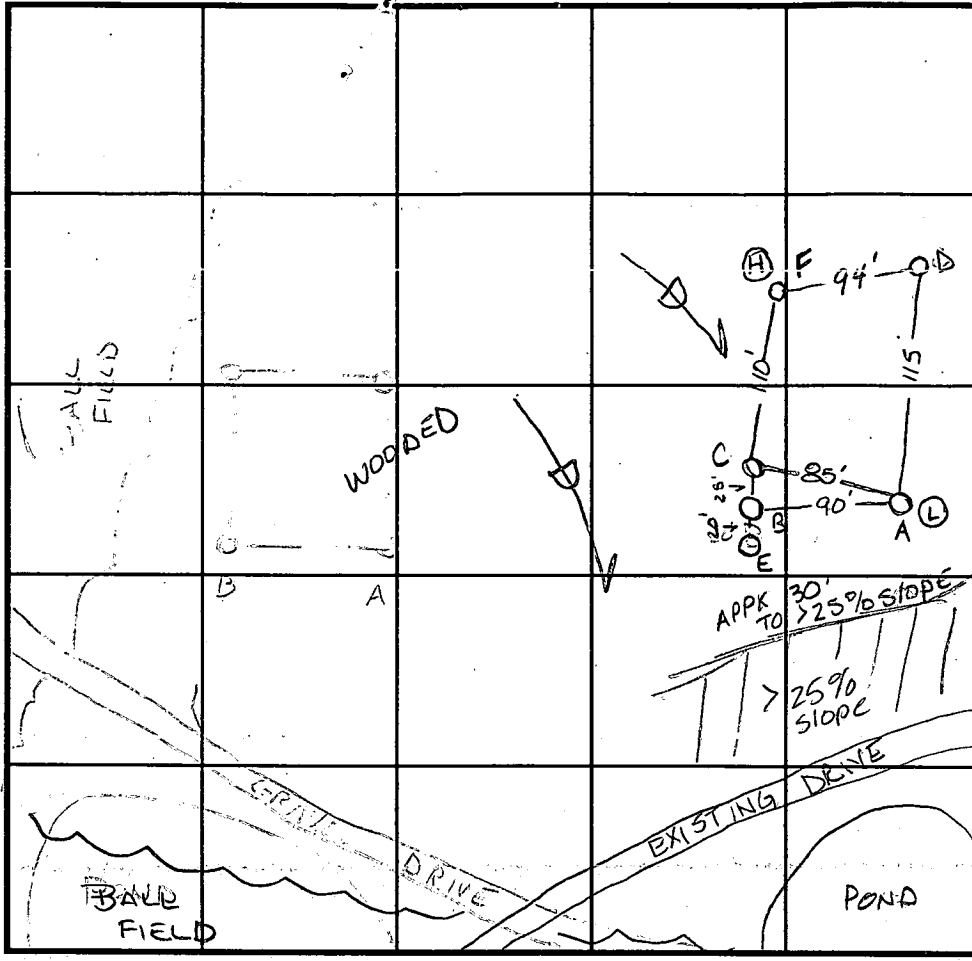
SOIL PROFILE

0'  
D.A  
dark red  
SiCLM  
gravelly  
2'  
orange red  
SiLM  
59%  
Saprolite  
flags  
5'  
pink  
SiSalm  
15-20%  
Saprolite  
and  
rock mix  
11'

SOIL PROFILE

0'

SEPTIC



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

B  
bright  
red  
SiCLM  
gravelly  
2'  
pink  
Salm  
100%  
rock/  
Saprolite  
flags  
(pocket  
of 40%  
rock on  
outside of  
hole @ 5'  
ok)  
10'  
hard  
bottom

E  
red  
gravelly  
SiCLM  
25'  
reddish  
pink  
SiLM  
100%  
rock  
Saprolite  
11'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-25-95	A	2.5' / VII'	11:11 <sup>15</sup>	11:12 <sup>45</sup>	11:12 <sup>45</sup>	11:15	2 1/4 min
	B	Visual	to 5'	hard	bottom	—	F
	C	2.5' / VII'	11:03 <sup>15</sup>	11:10	11:10	11:17	7 min
	D	6' / VI2	11:35 <sup>15</sup>	11:55	11:55	12:15	20 min
	D	2' / VI2	12:04	12:10	12:10	12:14	6 min
	E	Visual	to 2'	hard	bottom	—	F
	F	Visual	to 11'	- see profile		—	OK

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY Amy McMillen ALSO PRESENT Olan Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 15 min TRENCH WIDTH 2.0'

INLET DEPTH 2.0' MAXIMUM BOTTOM DEPTH 6.0' SQ. FT./BEDROOM 240 ft<sup>2</sup>

C1 2861

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A50812

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED 102095

110295

500 (TO NEAREST FOOT)

H0-93-0071

OWNER Harold Wallman 3275 Jennings Chapel Rd TOWN Woodbine

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, FEET (FROM, TO), check if water bearing. Includes entries for Top soil, brown shale, Sand Stone, Mica, Sand Stone, Mica & Flint.

GROUTING RECORD yes no

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 10 NO. OF POUNDS 1000

CASING RECORD (S) (T) (C) (O) (P) (L) (O) (T) MAIN CASING TYPE

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

SCREEN RECORD (S) (T) (B) (R) (H) (O) (P) (L) (O) (T) screen type or open hole

WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER A 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"

TYPE: MWD/MSD/MGD DRILLERS LIC. NO. 40

DRILLERS SIGNATURE George F. Easten

LIC. NO. 501

SITE SUPERVISOR responsible for sitework if different from permittee

DEPTH (nearest ft.)

1 H038 500 2 3 36

SLOT SIZE 1 2 3 DIAMETER OF SCREEN 56 60

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3 PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 100

METHOD USED TO MEASURE PUMPING RATE Bucket

BEFORE PUMPING 52 ft.

WHEN PUMPING 117 ft.

TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other J jet S submersible

PUMP INSTALLED DRILLER WILL INSTALL PUMP YES NO

IF DRILLER INSTALLS PUMP THIS SECTION MUST BE COMPLETED FOR ALL WELLS

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29

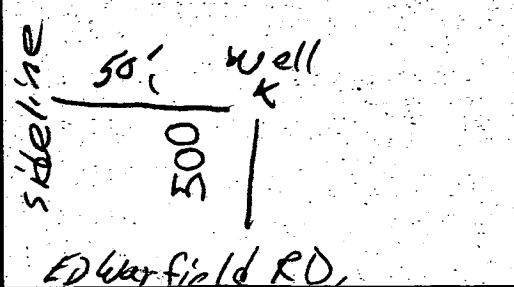
CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height) + above - below

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)



HOWARD COUNTY HEALTH DEPARTMENT  
 Bureau of Environmental Health  
 3525-H Ellicott Mills Drive  
 Ellicott City, MD 21043  
 461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation   
 Replacement

Receipt # \_\_\_\_\_  
 Date 5-13-96

Name of Installer <sup>N.E.</sup> BOB WALTZ PLUMBING & HEATING INC., Telephone 662-3588

License Number 5877  
 Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber

Name of Property Owner Harold Wollman Telephone \_\_\_\_\_  
 Subdivision \_\_\_\_\_ Lot # 5 Well Tag # HO-95-0071  
 Site Address 16491 Ed Warfield Rd

Pump	Motor	Pitless Adapter
1. Type	1. Horsepower <u>1</u>	1. Make <u>Campbell</u>
a. Deep well jet _____	2. RPM _____	2. Model # <u>B-10X</u>
b. Shallow well jet _____	3. Voltage <u>220</u>	3. Depth <u>4'</u>
c. Submersible <input checked="" type="checkbox"/>	a. 110 _____	
2. Make <u>STA-RITE</u>	b. 220 <input checked="" type="checkbox"/>	
3. Model # <u>SPAEOZHL-02</u>		
4. Capacity <u>5</u> GPM		
5. Pump exceeds well capacity Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		
6. If Yes, is low pressure cutoff switch installed? Yes _____ No _____		
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards <input checked="" type="checkbox"/> Other _____		

Tank	Piping	Well data
1. Capacity <u>40 gal</u>	1. Type <u>Coil Plastic</u>	1. Depth <u>500</u> ft.
2. Pressure relief valve? <u>Yes</u>	2. Size <u>1"</u>	2. Yield <u>?</u> GPM
	3. NSF and/or BOCA Code approved _____	3. Static water level <u>?</u> ft.
	4. Depth of supply line _____	4. Will water supply be disinfected by installer? <u>No</u>

5/24/96 P.A. INSTALLED,  
PLUMBER REPORTS SEDIMENTATION BLOCKAGE  
70' FROM BOTTOM OF WELL.

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

EQUIPMENT IN TRANSIT TO PULL PUMP AND RE-SET AT HIGHER ELEVATION.  
 Signature of Applicant: Bob F. Waltz  
 Date: 5-22-96

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.



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## HOWARD COUNTY HEALTH DEPARTMENT

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*Joyce M. Boyd, M.D., County Health Officer*  
June 7, 1996

Mr. Harold Wollman  
P.O. Box 346  
Woodbine, Maryland 21797

RE: Well Permit #HO-93-0071  
Wollman/Reeve Property - Lot 5  
16491 Ed Warfield Road

Dear Mr. Wollman:

This is to advise of an apparent problem with the construction of the above referenced well.

During the May 24, 1996 well pump installation inspection, the plumber was unable to install the pump to the planned depth. Sediment blockage was reported higher than the listed bottom of the well.

Prior to placing the well into service, the well construction should be re-evaluated by the driller to determine its condition and what, if any, remediation is appropriate. A revised well completion report should be submitted by the driller, reflective any changes in the well's condition and attesting that the well is currently of sound construction.

If you have any questions or concerns please call this office at 313-2640.

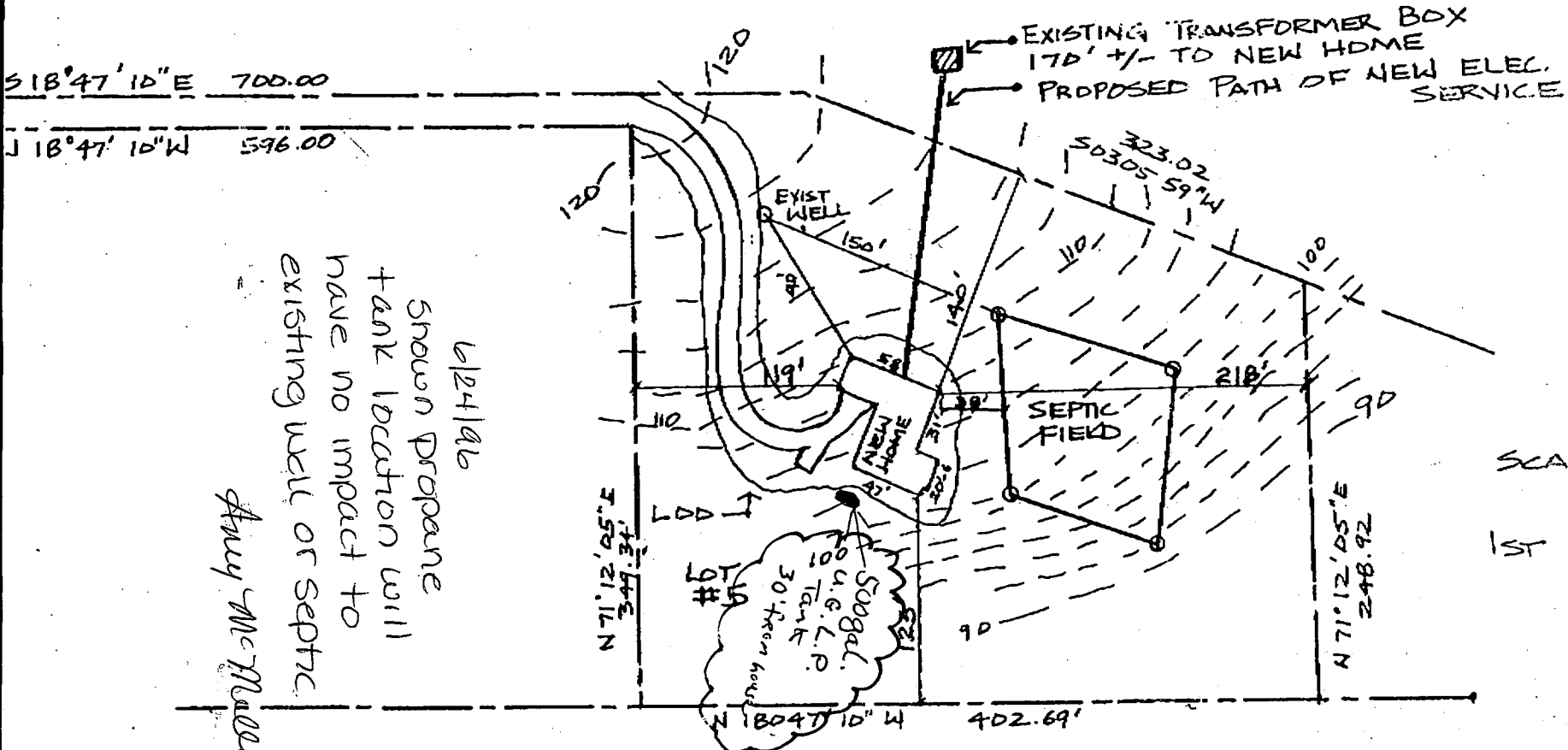
Very truly yours,

Craig Williams, Program Director  
Water & Sewerage Program

CW:vr

cc: James Irving, Inc.  
Bob Waltz  
George Easterday

Enclosure: Completion Report  
Well Pump Installation Report



6/24/96  
 Shown propane  
 tank location will  
 have no impact to  
 existing well or septic  
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SCALE 1" = 100'  
 1ST FL. FIN. EL. =

PLOT PLAN: WOLLMAN CUSTOM HOME

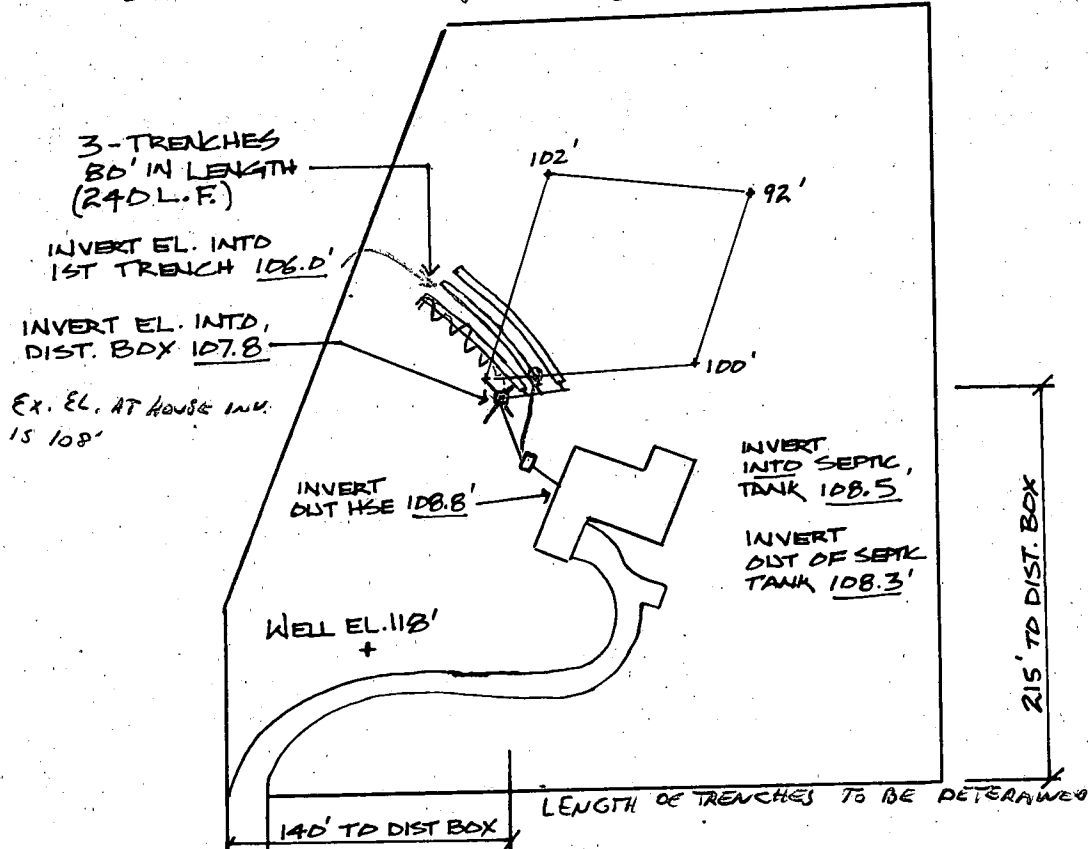
LOT #5 CHAPEL VALLEY LANDSCAPE CD.  
 4TH ELECTION DISTRICT - HOWARD CO. MD.  
 SOILS MAP 12  
 PRDP ID: 3275 JENNINGS CHAPEL RD  
 OWNERS: MR & MRS HAROLD A. WOLLMAN  
 J. LANDON REEVE, IV

Approved Septic System Plan  
Howard County Health Department

*John Irvine*  
Signature

12-1-95  
Date

INVERTS MAY REQUIRE ADJUSTMENT



1ST FL. EL. 112' (FIN. FL.)  
BSMT FL. EL. 103'  
EXISTING EL. @ SEPTIC TANK 110.5'

NOTE: TRENCHES TO BE 6' DP - 2' WIDE  
W/4' OF STONE BELOW PIPE  
INLET TO TRENCH 2' BELOW  
ORIGINAL GRADE

SCALE: 1" = 100'

I CERTIFY THAT THE ABOVE MEASUREMENTS ARE  
ACTUAL AND CORRECT FOR THIS PROPERTY

SIGNED: *John Irvine* (PRES)

James R. Irvine Construction Inc.  
506 Tippin Court, Thurmont Md 21788  
(301) 271-3272 office / fax

Septic Elevations/Site Plan Permit # 62587  
Job: Wollman Custom Home

Date:  
11-28-95

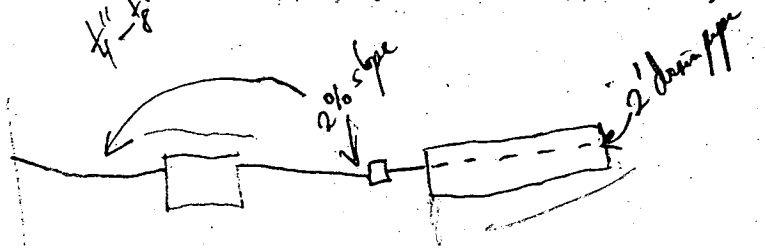
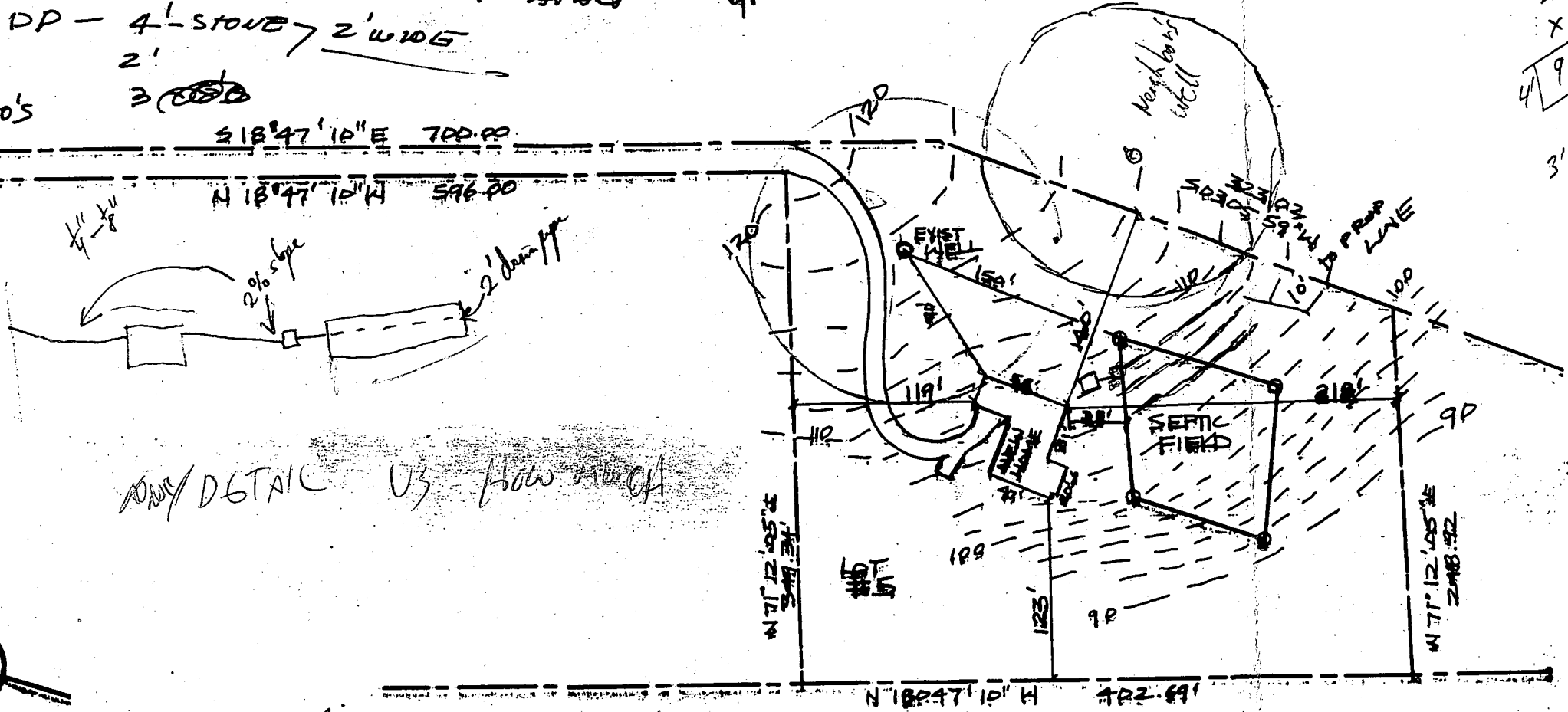
320 LF  
4-80's  
4'-DP - 2' STOVE } 3' WIDE  
- 2' PIPE DEPTH } 10' APART

240 LF  
3-80's  
6'-DP - 4' STOVE } 2' WIDE  
2' }  
3' (SD)

4 Bdr House = 1250 gal S.T. - min.

240 59/ft / Bdr  
x 4  
960  
240 LF Tr.  
3' 960  
320 LF Tr.

ED WARFIELD RD



ONLY DETAIL VS. HOW MUCH

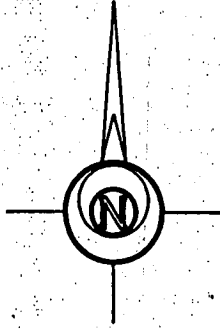
SCALE 1" = 10'

Note for file

11/9/95 owner (Mr. Wallman) discussed options for septic layout with his this proposed house site. I discussed 4ft stone fill vs 2ft stone fill, inlet at 2' with trenches going in high part of SDA and extending equal length beyond SDA to maximize future repair options. He is currently submitting Bldg permit appl. Affably

**PLAT PLAN: WALLMAN CUSTOM HOME**

LOT #5 CHAPEL VALLEY LANDSCAPE CO.  
4TH ELECTORAL DISTRICT - HARVARD CO. MD.  
SOILS MAP 12  
PREP ID: 3275 JENNINGS CHAPEL RD.  
OWNERS: MR & MRS HAROLD A. WALLMAN  
J. LANDON REEVE, IV



WARFIELD ROAD  
ED N 68°18'22" E 20.00

PERCOLATION CERTIFICATION PLAT  
PROPERTY OWNERS:

Mr. and Mrs. Harold Wollman  
J. Landon Beebe, II

CHB2  
GLC2  
N 71°12'05" E  
349.34

3.274 A.C.

SOILS MAP  
12

Prop. WELL

Prop. WELL

EX WELL

- DENOTES PASSED
- ⊗ DENOTES FAILED

THIS AREA IS DESIGNATED AS A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT 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 UNDER 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 BASEMENT SHALL NOT BE NECESSARY.

TO THE BEST OF MY KNOWLEDGE ALL WELLS AND SEPTICS WITHIN 100' OF THE PROPERTY HAVE BEEN SHOWN  
PERCOLATION TEST HOLES HAVE BEEN FIELD LOCATED.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT  
*Joyce M. Boylston* 10/6/95  
HOWARD COUNTY HEALTH OFFICER DATE

**LDE, Inc.**  
9250 Rumsey Road Suite 106  
Columbia, Maryland 21045  
(410) 715-1070

Perc Plat Lot 5  
**Chapel Valley**  
**Landscape Company**

Fourth Election District, Howard County Maryland  
Scale 1" = 100' September 1995 Job # 94-400.27

ED WARFIELD ROAD

CONTINUATION

20'

CONTINUATION

HOUSE INSET  
SCALE: 1" = 30'

EXISTING RESIDENCE

596' 700'

PROPOSED DECK ADDITION

PROPOSED SCREEN PORCH ADDITION

LIBER: 3658  
FOLIO: 141  
4TH ELECTION DISTRICT

10' SETBACK TO SEPTIC AREA

*B00135575  
Porch + Deck  
septic tank is far enough  
from addition. Recorred approval.  
APP 4/18/02*

**SITE PLAN**

SCALE: 1" = 100'

NORTH

3.2737 ACRES

349.34'

323.02'

EXISTING RESIDENCE

PROPOSED SCREEN PORCH ADDITION

PROPOSED DECK ADDITION

103' +/-

SITE DATA FROM HOUSE LOCATION SURVEY  
PLAT BY WALTER PARK, LDE INC.  
COLUMBIA, MD. DATED 2/16/96

EXISTING SEPTIC AREA

199' +/-

*A50812 P56589*

PROPOSED ADDITION  
**WOOLMAN RESIDENCE**  
16491 ED WARFIELD ROAD  
WOODBINE, MARYLAND  
HOWARD COUNTY

402.69'

GLENN REYNOLDS, ARCHITECT  
301-972-0070 4/2/02

248.92'