

DEPARTMENT OF INSPECTIONS,  
 LICENSES & PERMITS  
 3430 COURT HOUSE DRIVE  
 ELLICOTT CITY, MD 21043  
 PERMITS (410) 313-2455  
 INSPECTIONS (410) 313-1850

**HOWARD COUNTY  
 RESIDENTIAL  
 HEATING-VENTILATION-AIR  
 CONDITIONING AND  
 REFRIGERATION PERMIT  
 APPLICATION**

HVACR PERMIT # M09000615  
 BUILDING PERMIT #

BUILDING ADDRESS: SUITE/A T:  
4436 OAKWOOD OVERLOOK COURT  
 SUBDIVISION:  
 CENSUS TRACT: SECTION: AREA: 2  
 LOT: 28 TAX MAP: PARCEL:  
 BLOCK: ZONE:  
 PROPERTY ID: MAP COORDINATES: 28-2-  
378  
 TYPE OF IMPROVEMENTS: REPLACEMENT USE:

OWNERS NAME: JEFFREY & LEE ANNE PALMER  
 ADDRESS: 4436 OAKWOOD OVERLOOK COURT  
 CITY: DAYTON  
 STATE: MD ZIP CODE: 21036-1118  
 HOME PHONE: 443-535-0239 CELL WORK PHONE: 240-274-5359

	<u>CHECK ONE</u>	<u>HOW MANY</u>
SINGLE FAMILY DWELLING ZONES	<input checked="" type="checkbox"/>	<u>2</u>
SINGLE FAMILY TOWNHOUSE ZONES	<input type="checkbox"/>	—
MULTI-FAMILY / HOTEL/MOTEL UNITS	<input type="checkbox"/>	—

COMPANY NAME: Ground Loop Heating & Air Cond., Inc.  
 LICENSEE NAME: Michael E. Cullum  
 ADDRESS: 1701 Whiteford Road  
 CITY: Darlington  
 STATE: MD ZIP CODE: 21034  
 PHONE: 410-836-1706 HVACR LICENSE NO: 6539

- New  
 Heating and Air Conditioning  
 Heating System Only  
 Heating  
 Air Conditioning  
 Heating and Air Conditioning

EQUIPMENT: WATER FURNACE

- Heating System Only

Other Work (Describe):  
GEOTHERMAL

Additions and Alterations

- Heating  
 Air Conditioning  
 Heating and Air Conditioning

Zones

Permit Fee = # of Zones x \$40 =  
 Technology Fee (10% of Permit Fee) =  
 Plus Application Fee  
 Total Fees Due =

80  
8  
\$50  
\$138.00

Units

Permit Fee = # of Units x \$80 =  
 Technology Fee (10% of Permit Fee) =  
 Plus Application Fee \$50  
 Total Fees Due =

\$50

I HAVE CAREFULLY EXAMINED AND READ THIS APPLICATION AND KNOW IT IS TRUE AND CORRECT. THE WORK DESCRIBED HEREIN WILL BE PERFORMED BY A STATE HVACR LICENSED PERSON(S), AND ALL WORK WILL BE PERFORMED IN COMPLIANCE WITH APPLICABLE CODES AND STANDARDS OF HOWARD COUNTY THE STATE OF MARYLAND.

SIGNATURE OF LICENSEE

DATE

Michael E. Cullum

PRINT NAME OF LICENSEE

Make check payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

Word doc: HVAC APPLICATION - JUNE 2004

Validation

Check Number: 14234  
 Cash:  
 Receipt Number: 179924

Jeffrey Palmer (Home owner)  
443-535-0239

Health Dept

Kevin Wolf

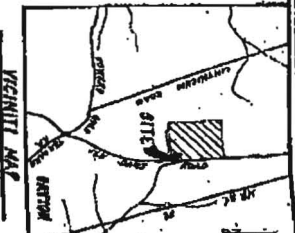
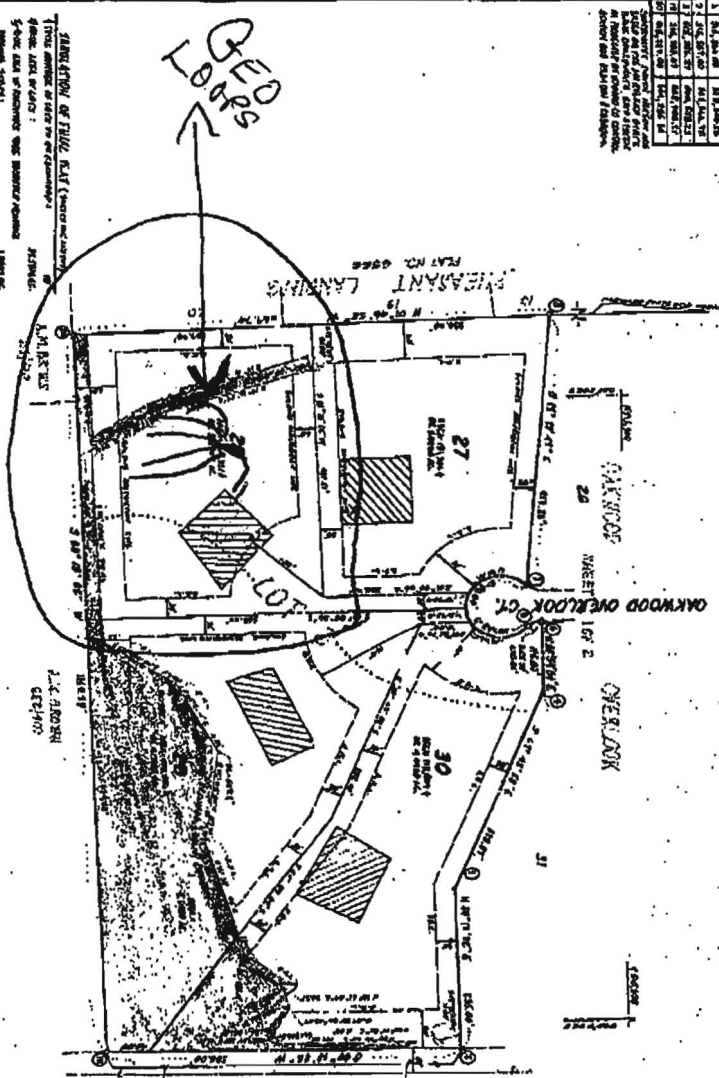
MD9000615

**COORDINATES**

NO.	STATION	Easting	Northing
1	START	1000000.00	1000000.00
2	END	1000000.00	1000000.00
3	START	1000000.00	1000000.00
4	END	1000000.00	1000000.00
5	START	1000000.00	1000000.00
6	END	1000000.00	1000000.00
7	START	1000000.00	1000000.00
8	END	1000000.00	1000000.00
9	START	1000000.00	1000000.00
10	END	1000000.00	1000000.00

**CURVE DATA**

STATION	CHORD BEARING	CHORD DIST.	ARC BEARING	ARC DIST.	PI	PC	PT	PERCENTAGE
1	113° 00' 00"	100.00	113° 00' 00"	100.00	113° 00' 00"	100.00	100.00	100%
2	113° 00' 00"	100.00	113° 00' 00"	100.00	113° 00' 00"	100.00	100.00	100%



**LEGEND**

- - PROJECT PROPERTY BOUNDARY
- - EXISTING LOT BOUNDARY
- - EXISTING LOT BOUNDARY

**NOTES**

1. PROJECT PROPERTY BOUNDARY IS SHOWN BY A DASHED LINE.
2. EXISTING LOT BOUNDARIES ARE SHOWN BY A SOLID LINE.
3. THE PROJECT PROPERTY IS SHOWN BY A DASHED LINE.
4. THE PROJECT PROPERTY IS SHOWN BY A DASHED LINE.
5. THE PROJECT PROPERTY IS SHOWN BY A DASHED LINE.
6. THE PROJECT PROPERTY IS SHOWN BY A DASHED LINE.
7. THE PROJECT PROPERTY IS SHOWN BY A DASHED LINE.
8. THE PROJECT PROPERTY IS SHOWN BY A DASHED LINE.
9. THE PROJECT PROPERTY IS SHOWN BY A DASHED LINE.
10. THE PROJECT PROPERTY IS SHOWN BY A DASHED LINE.

**DESCRIPTION OF FULL PLAN (see notes)**

1. THIS PLAN IS A FULL PLAN FOR THE PROJECT.

2. THE PLAN IS A FULL PLAN FOR THE PROJECT.

3. THE PLAN IS A FULL PLAN FOR THE PROJECT.

4. THE PLAN IS A FULL PLAN FOR THE PROJECT.

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9. THE PLAN IS A FULL PLAN FOR THE PROJECT.

10. THE PLAN IS A FULL PLAN FOR THE PROJECT.

**OWNER'S DECLARATION**

I, the undersigned, being the owner of the above described property, do hereby certify that the information furnished herein is true and correct to the best of my knowledge and belief, and that I have no knowledge of any facts which would render the same misleading or deceptive.

**SURVEYOR'S CERTIFICATE**

I, the undersigned, being a duly licensed and qualified surveyor, do hereby certify that the information furnished herein is true and correct to the best of my knowledge and belief, and that I have no knowledge of any facts which would render the same misleading or deceptive.

**OAKWOOD OVERLOOK**

DEVELOPER: OAKWOOD OVERLOOK, INC.

DESIGNER: HADDE CONSULTANTS, INC.

DATE: 10/15/08

PROJECT NO: 08-001

SCALE: AS SHOWN

DATE: 10/15/08

PROJECT NO: 08-001

SCALE: AS SHOWN

**APPROVED:** [Signature]

**DATE:** 10/15/08

**PROJECT NO:** 08-001

**SCALE:** AS SHOWN

## FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
<p><del>8/10/09</del> 8/10/09</p>	<p>Linda from ground loop Heating &amp; Air Conditioning called and wanted information on the permit for the ground loop for 4434 Oakwood Overlook, LT (MO9000615). She said that she was 'new' to this process and that a proper site plan would need to be submitted to our office for approval. I explained that the plan needs to show the house loc w/ the septic area, well and property lines. Along w/ these things will be the exact location of the ground loop trenching. I explained the encroachment standards (30' to well, 25' to septic) that need to be met and approved on the site plan. Linda explained they did not have any kind of site plan to go off of. I explained to her that she can draw something up and submit for approval. I emailed some as-builts of the property and site plan's to help her out. (JW)</p>
<p>8/11/09</p>	<p>9:00am Made phone call to Linda again to confirm conversation from email including email. She explained that her boss had already installed the ground loop. I told her to fax over any drawings.</p>

→

## FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
	<p>of what was installed. <del>The sept</del> I explained that if the loop encroaches on the septum that <del>is</del> this will lead to a flow and possibly a fine for installation w/ a permit approval. (K)</p>
8/11/09	<p>→ Explained situation to Scott. We came to conclusion that a site visit needs to happen to confirm any features that may have been added by the ground loop including the septum. (K)</p>
8/11/09	<p>Site visit made. No one home. Called homeowner left message (Jeff Palmer). From what I could see, found well location. Did not find septum. (Buried?) No loop trunks appear visible on back corner of lot. Looks to be out of area from well to septum. Need further confirmation. (K)</p>

# HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.  
COUNTY HEALTH OFFICER



Bureau of Environmental Health  
3525 Ellicott Mills Drive  
Ellicott City, Maryland 21043

Director - 461-9956  
Water & Sewerage, Permits - 461-9933  
Community Environmental Health - 461-9944  
Technical Services - 461-9955

May 11, 1988

Mr. and Mrs. Philip Martowski  
6307 Hardwood Drive  
Laham, Maryland 20706

RE: Oakwood Overlook - Lot 28  
Oakwood Overlook Court  
Well Tag Number: HO-81-2092

Dear Mr. and Mrs. Martowski:

This is to advise that the above referenced property passed the standard percolation test on February 14, 1986 and is considered a buildable lot.

This is to advise that the well for the above referenced lot was constructed in accordance with the well construction regulations (COMAR 10.17.13). The well grouting and yield testing procedures were inspected and approved on June 1, 1987.

The yield test indicated a flow rate of 4 gallons per minute.

If you have any questions regarding this matter, please call me at 461-9933.

Very truly yours,

A handwritten signature in cursive script that reads "Craig Williams".

Craig Williams, Director  
Water and Sewerage Program

CW:JR

Enclosures

WALL OF ADDITION BELOW

WALL OF EXISTG HOUSE BELOW

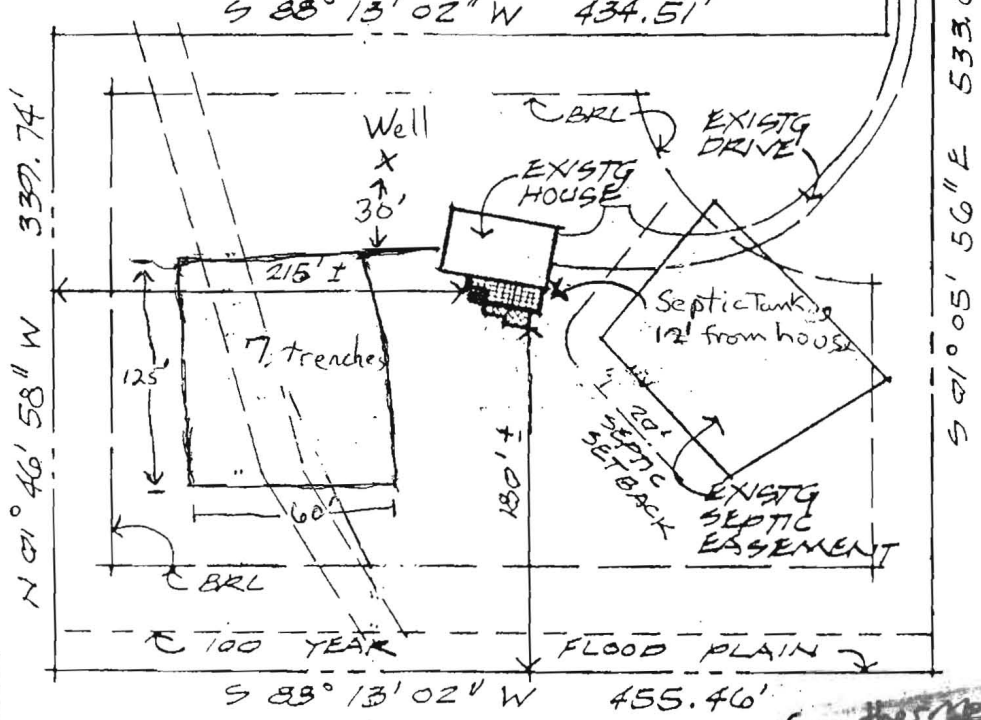
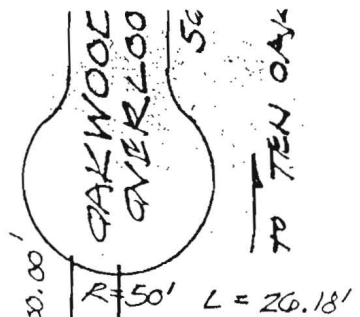
1) Distance from Septic tank to first (closest) trench is ~ 126 ft.

2. First trench is ~ 45' from corner of house

3. Trench field measures ~ 60' x 125'

4. Connecting trench from house is 30' from well

S 88° 13' 02" W 434.51'



5. Septic tank is 12' from house

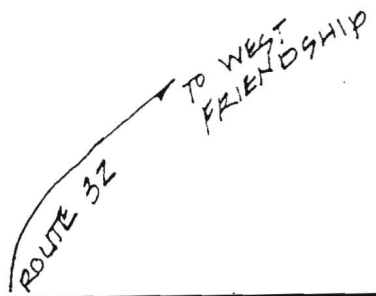
### SITE PLAN

1" = 100'-0"

5th ELECTION DISTRICT  
HOWARD COUNTY, MD.

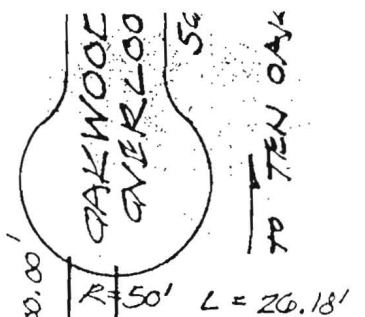
LOT 28  
4436 OAKWOOD OVERLOOK COURT  
DAYTON, MD 21036

Approved *Geo thermal loop.*  
 Howard County Health Department  
*[Signature]*  
 Signature Date 8/24/09

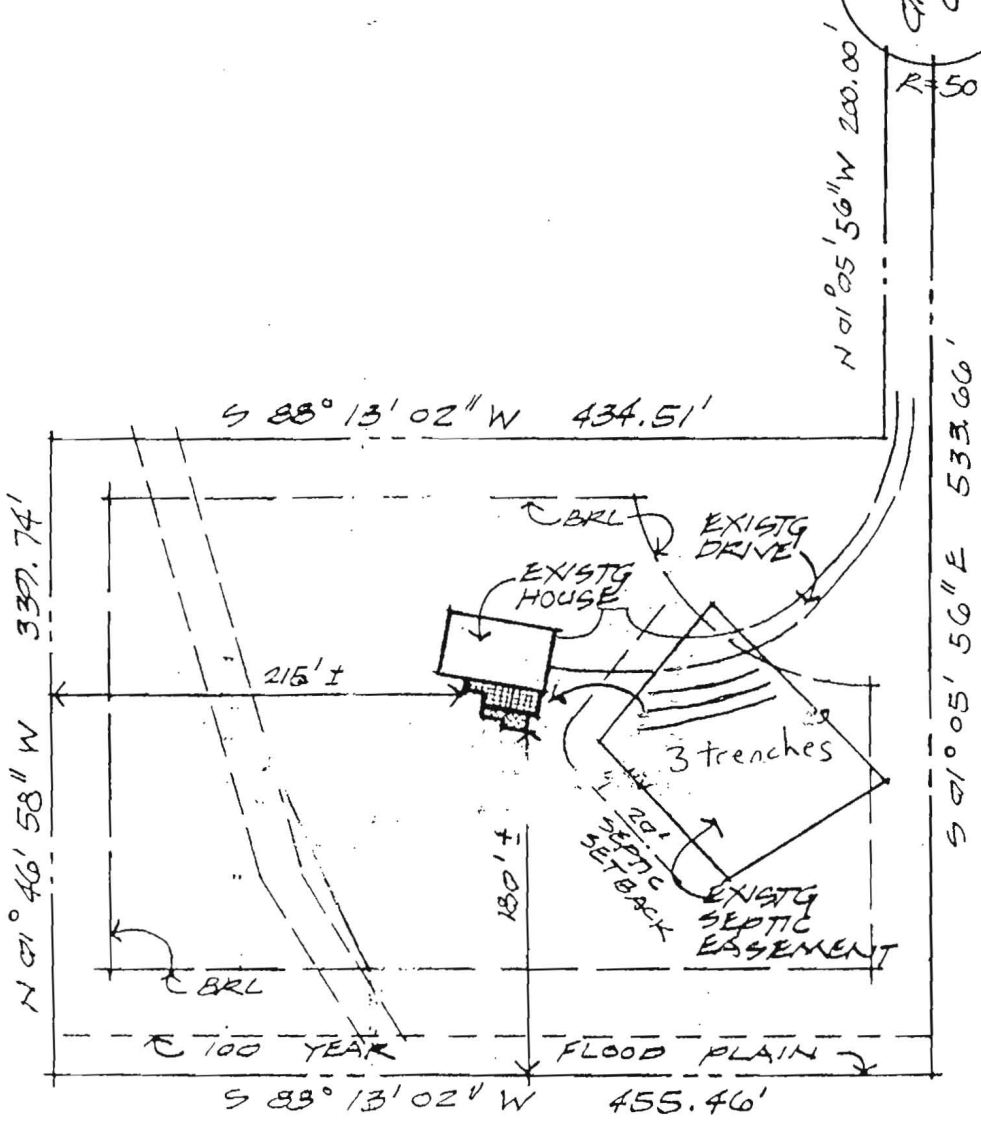


ALL OF ADDITION  
BELOW

ALL OF EXISTG  
HOUSE BELOW



TO TEN OAK



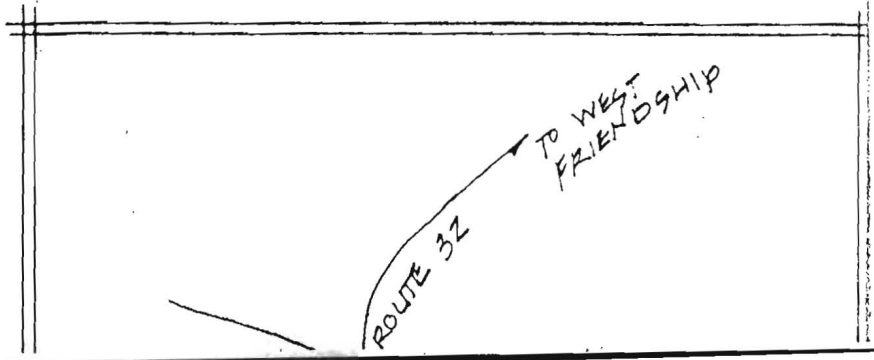
### SITE PLAN

1" = 100'-0"

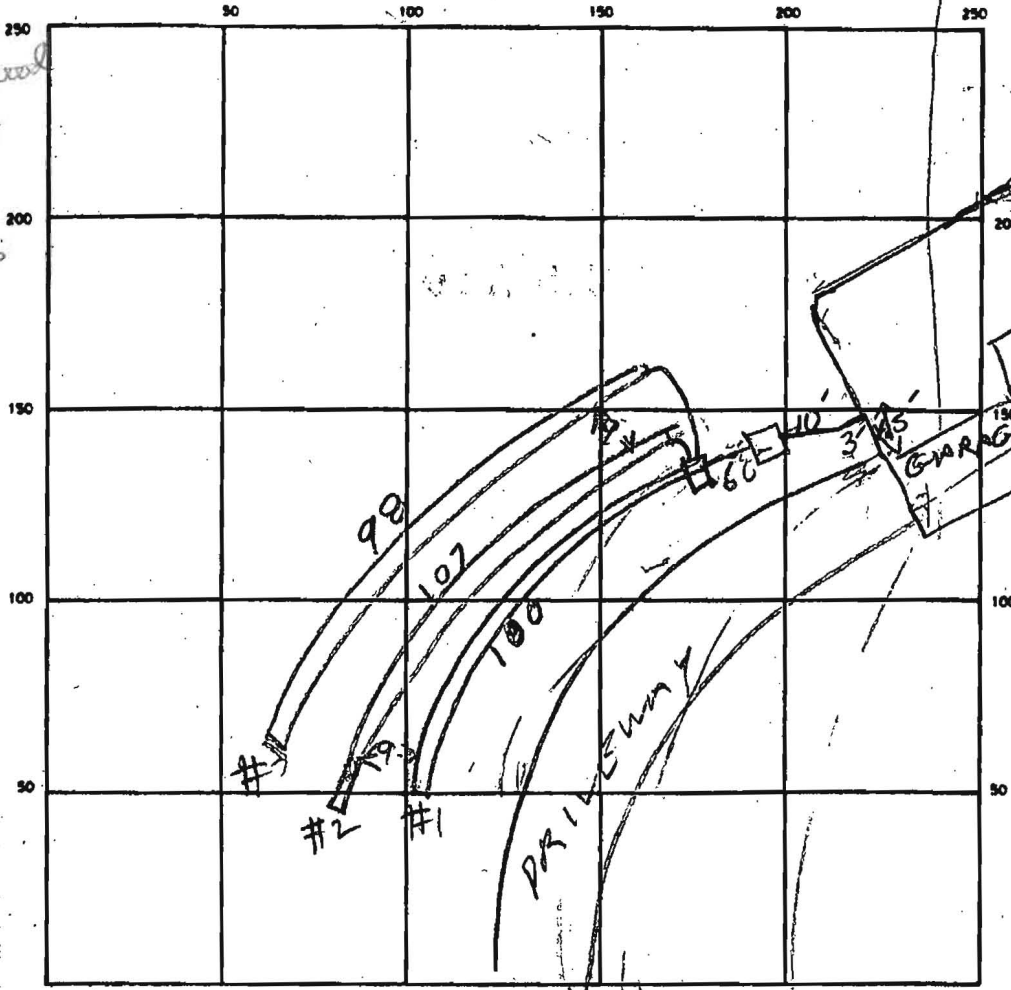
5th ELECTION DISTRICT  
HOWARD COUNTY, MD.

LOT 28  
4436 OAKWOOD OVERLOOK COURT  
DAYTON, MD 21036

NORTH



Attn: Kevin Wolf  
 Palmer  
 44.36 Oakwood  
 Overlook of  
 Dayton MS  
 21036



INDICATE NORTH — NAME ADJOINING ROADWAY AS BASE LINE

32  
 W  
 HDB1  
 2090

SEPTIC TANK LEVEL 2000 ✓ CLEANOUTS ST ✓

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD/TILE FIELD DEPTH 5/5/5 FT. TRENCH WIDTH 3/3/3 FT. INLET DEPTH \_\_\_\_\_ FT.

EFFECTIVE GRAVEL DEPTH 1.5/1.5/1.5 FT. TOTAL LENGTH 100/107/98 FT. TOTAL 305 FT. 220  
4  
80

NUMBER OF TRENCHES 3 ONE-SIDEWALL/BOTTOM AREA 915 SQ. FT.

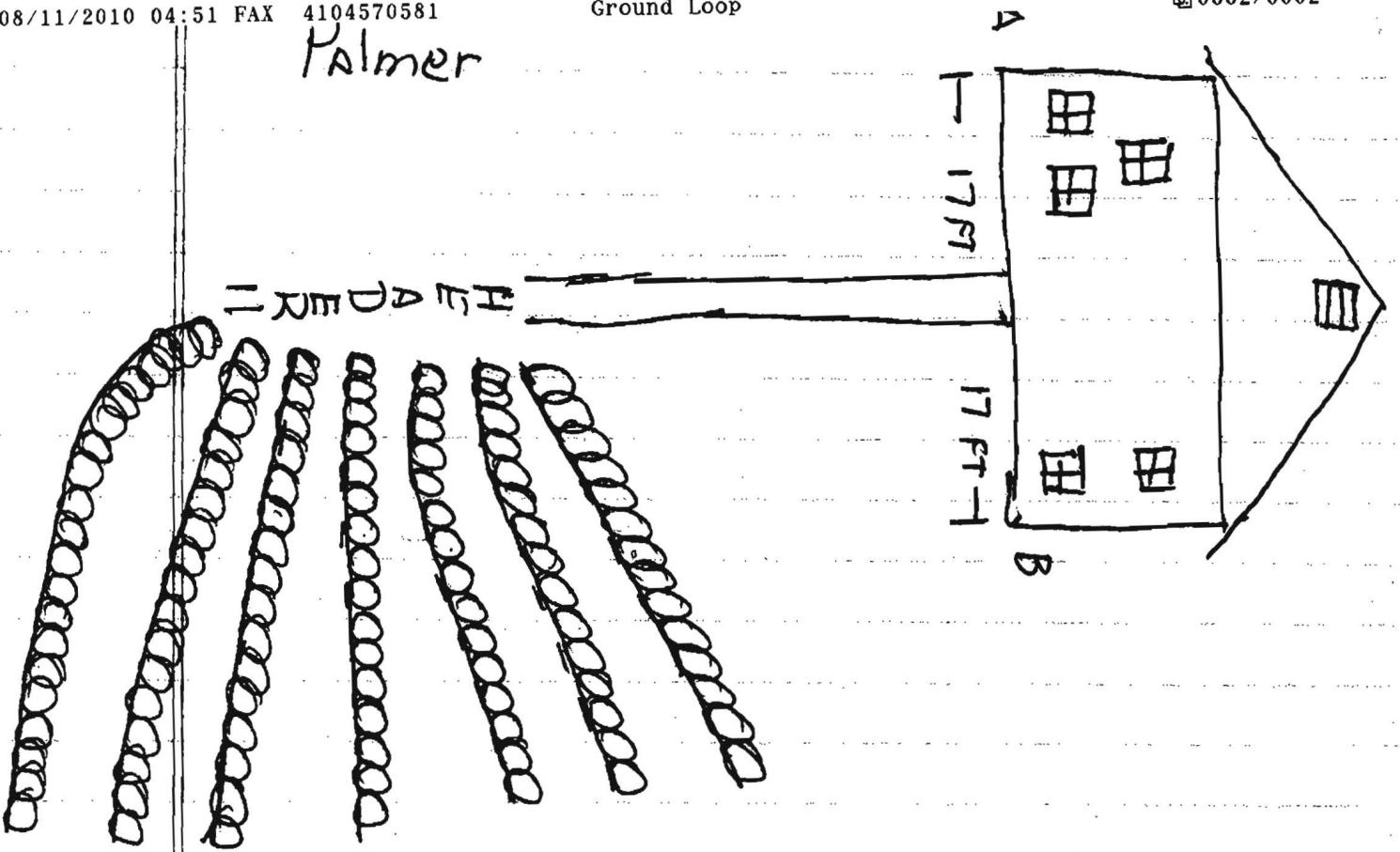
DRYWELL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA 915 SQ. FT.

REMARKS 12/6/88 AM LOCATION OK PER PLAN TRENCHES BUILT  
12/6/88 AM - TRENCHES OK COVER TRENCHES  
CALL FOR INSPECTION OF TANK & PIPES & HODGES

DATE SYSTEM APPROVED 12/7/88 INSPECTOR S. Abel

Palmer



A-HEADER	82 FT
B HEADER	70 FT
A-1	71 FT
B-1	58 FT
A-2	75 FT
B-2	62 FT
A-3	80 FT
B-3	67 FT
A-4	84 FT
B-4	71 FT
A-5	88 FT
B-5	77 FT
A-6	92 FT
B-6	80 FT
A-7	97 FT
B-7	83 FT