

C1 6669

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

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER, STREET OR RFD, SUBDIVISION, SECTION, TOWN, LOT

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries for Soil, Sand, Brown shale, Soft Gray Rock, Hard Gray Rock.

GROUTING RECORD: WELL HAS BEEN GROUTED, TYPE OF GROUTING MATERIAL (Cement, Bentonite Clay), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD: casing types insert appropriate code below, MAIN CASING TYPE, Nominal diameter top (main) casing, Total depth of main casing.

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

SCREEN RECORD: screen type or open hole, insert appropriate code below, STEEL, BRASS, PLASTIC, OPEN HOLE, OTHER.

NUMBER OF UNSUCCESSFUL WELLS, WELL HYDROFRACTURED

CIRCLE APPROPRIATE LETTER: 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 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 LIC. NO., DRILLERS SIGNATURE, LIC. NO.

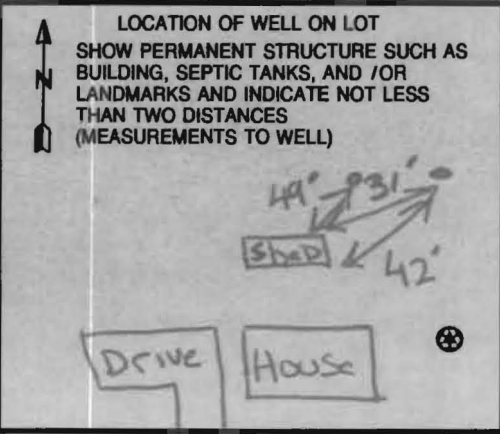
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

DEPTH (nearest ft.) table with columns 1-21 and rows E, A, C, H, S, R, E, N. Includes SLOT SIZE and DIAMETER OF SCREEN.

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER), TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST: HOURS PUMPED, PUMPING RATE (gal. per min.), METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL (distance from land surface) BEFORE PUMPING, WHEN PUMPING, TYPE OF PUMP USED (for test).

PUMP INSTALLED: DRILLER INSTALLED PUMP (YES or 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) LAND SURFACE (nearest foot).



B 1 2160  
1 2 3 6

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND  
APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-95-2078  
fill in this form completely

534535 please type

Date Received (APA)

05 29 11  
8 MM DD YY 13

OWNER INFORMATION

Strieter John  
15 Last Name Owner First Name 34

12990 Linden church Rd  
36 Street or RFD 55

Clarksville MD 21029  
57 Town 70 State 72 Zip 76

B 3

LOCATION OF WELL

Howard  
8 COUNTY 21

Twelve Hills  
23 SUBDIVISION 42

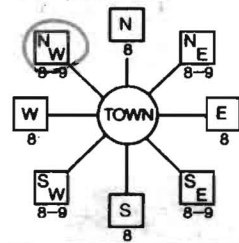
SECTION 2 LOT 6  
44 46 48 50

Clarksville  
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 2 M I  
73 76 77 78

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



12990 LINDEN Church Rd  
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 230  
DISTANCE FROM ROAD FT

ENTER FT OR MI 38 39

TAX MAP: 28 BLK: 16 PARCEL 381

B 2 WELL INFORMATION  
APPROX. PUMPING RATE (GAL. PER MIN.) 0  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 0

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
- F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- I INDUSTRIAL, COMMERCIAL, DEWATERING
- P PUBLIC WATER SUPPLY WELL
- T TEST, OBSERVATION, MONITORING
- G GEO-THERMAL 3 Bores x 320'

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13 A38264  
COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S 41

DATE ISSUED 4/7/2011  
43 MM DD YY 48

CO SIGNATURE Brian Baker 4/7/2012  
NORTH GRID 509 000 EAST GRID 810 000  
50 55 57 63

APPROXIMATE DEPTH OF WELL 320 FEET  
24 28

APPROXIMATE DIAMETER OF WELL 6 INCH 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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

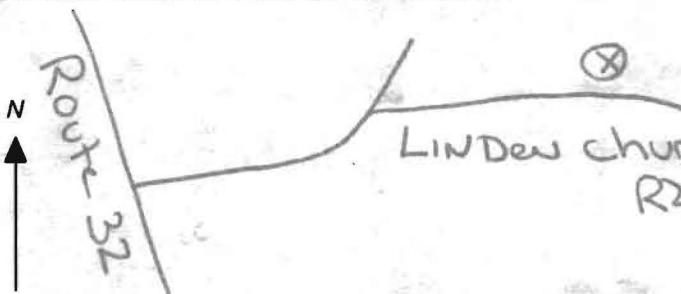
SOURCES OF DRILLING WATER

- 1. well
- 2.
- 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 810  
N 509

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
- 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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
- D THIS WELL WILL DEEPEIN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER G

PERMIT No. HO-95-2078

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

\*\*\*\*\*  
 WATER WELL ABANDONMENT-SEALING REPORT FORM  
 \*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

10/13/2011  
 O.K.  
 (B)

DATE WELL ABANDONED: 5/3/11 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) \_\_\_\_\_

\* PERMIT NUMBER OF REPLACEMENT WELL \_\_\_\_\_

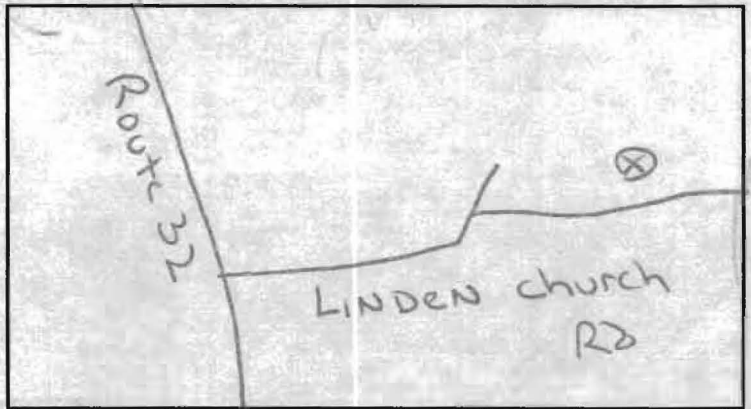
\* PERSON ABANDONING WELL: Michael Isom

WELL DRILLERS LICENSE NUMBER: 162  
 CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: John Strieter

\* WELL LOCATION:  
 COUNTY: Howard  
 NEAREST TOWN: Clarksville  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: \_\_\_\_\_  
 NEAREST ROAD: 12990 Linden Church Rd

SITE LOCATION MAP



\* TYPE OF WELL BEING ABANDONED:

- \_\_\_\_\_ DRILLED \_\_\_\_\_ JETTED
- \_\_\_\_\_ BORED/AUGERED  HAND DUG
- \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC \_\_\_\_\_ MUNICIPAL/PUBLIC
- \_\_\_\_\_ IRRIGATION \_\_\_\_\_ INDUSTRIAL
- \_\_\_\_\_ TEST/OBSERVATION \_\_\_\_\_ GEOTHERMAL

\* TYPE OF CASING:

- \_\_\_\_\_ STEEL \_\_\_\_\_ PLASTIC
- \_\_\_\_\_ CONCRETE  OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 48 INCHES IN DIAMETER

\* DEPTH OF WELL: 30 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES  NO  
 if yes, length removed in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Stone Dust	30	5
Cement	5	3
Soil	3	0
VOLUME OF MATERIAL USED		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN \_\_\_\_\_

LICENSE # 162

CIRCLE ONE MWD/MSD/MGD

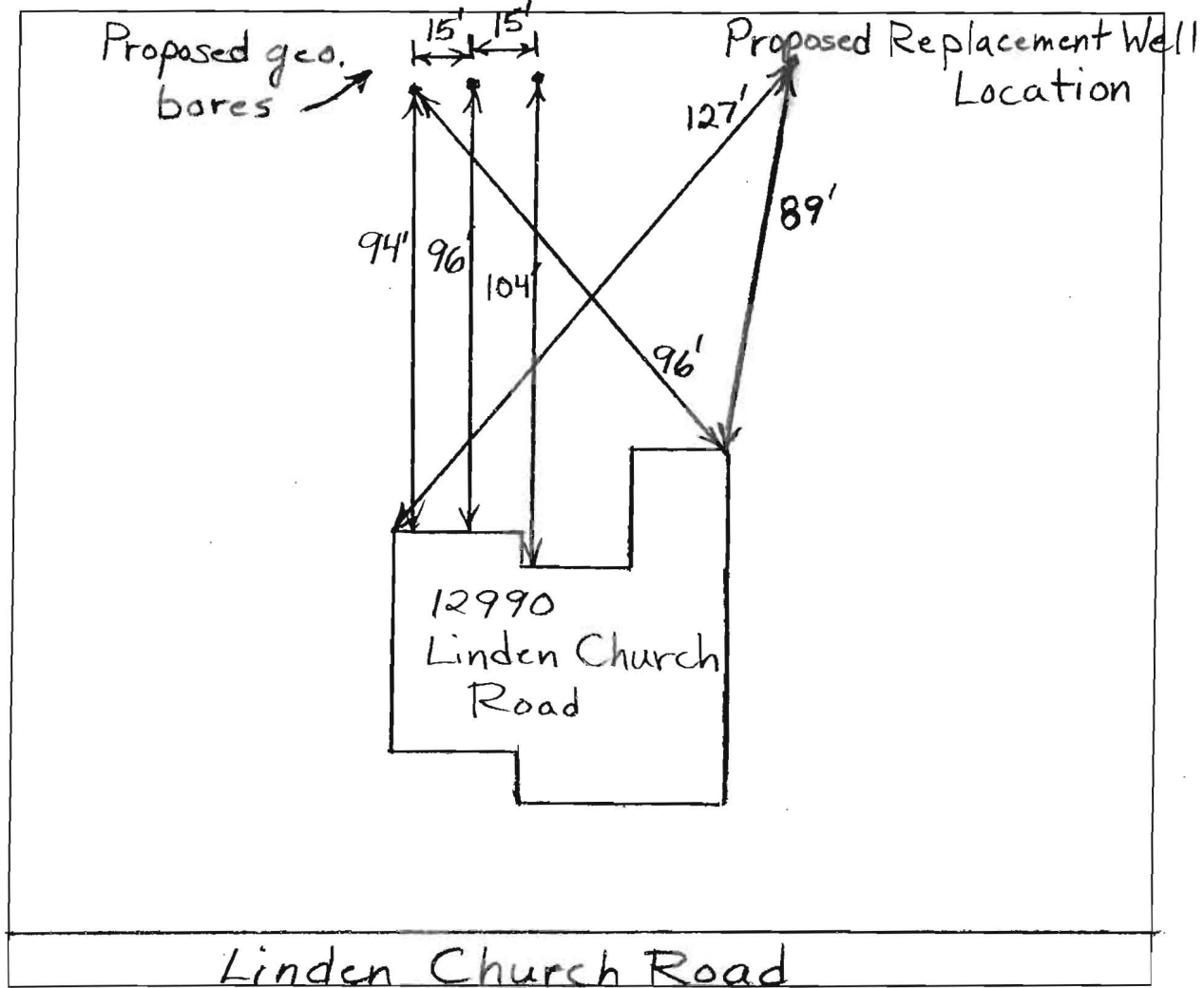
DATE 5/26/11



SITE INSPECTION SHEET

OWNER: John Strieter PHONE #: \_\_\_\_\_  
ADDRESS: 12990 Linden Church Rd. CONTRACTOR: Barlow Drilling  
WELL TAG #: 95-2077, 95-2078  
SUBDIVISION: Twelve Hills LOT: 6 COUNTY #: A38264  
PROPOSAL: Drill 3 geothermal bores and replace hand dug well with drilled well. Abandon/Seal hand dug well.

LOCATION DIAGRAM



COMMENTS: 4/8/2011 Geo. borehole sites too close to hand dug well. Also homeowner mentioned that hand dug well had been contaminated with methylene chloride, that was dumped down the sink. Will try to move hole locations further from the septic essement. (BB)  
4/13/2011 Proposed hole locations adjusted to what's on drawing. Owner said that methylene chloride was found 23 years ago. (BB)

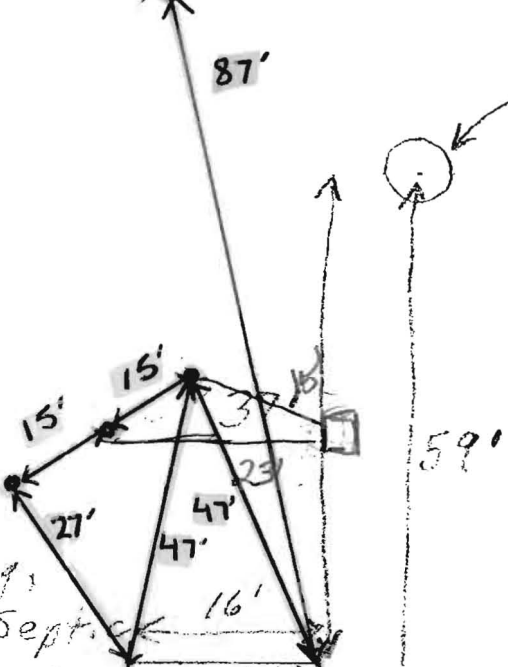
400'



1/16" = 1'-0"  
0 5 10 20

Scale  
for Buildings,  
Well, and Septic

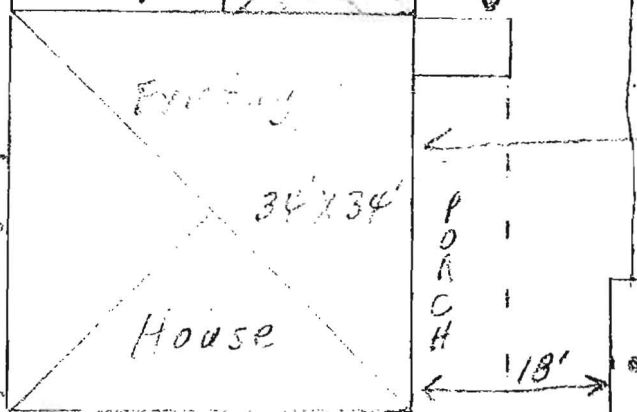
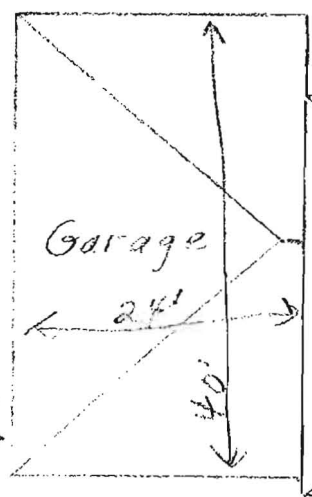
New Well Location



Well

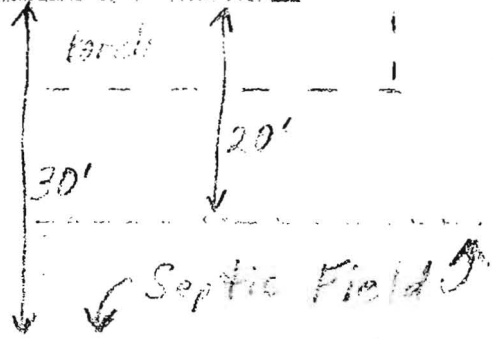
635'

Family Room  
Addition



50' +/-

Septic Tank



Geo Holes  
Water Well

75' +/-

12970 Linden Church Rd.

Plot Plan

245'

2008  
A.S.



Providing Quality Systems for Over 20 Years  
Commercial & Residential Water Well Drilling  
Test Borings & Consulting • Geothermal Drilling & Systems  
NGWA & IGSHPA Certified

Howard County Health Department  
7178 Columbia Gateway Drive  
Columbia, MD 21046  
Fax: 410-313-2648

March 25, 2011

Re: 12990 Linden Church Road

Dear Department of Environment:

Please note unless otherwise specified all geothermal bores installed by our company will be installed as follows:

Grout: Bentonite Grout 20% solids minimum  
Manufacture(s): Baroid or Wyo-Ben  
Will be grouted from the bottom to the top with grout material

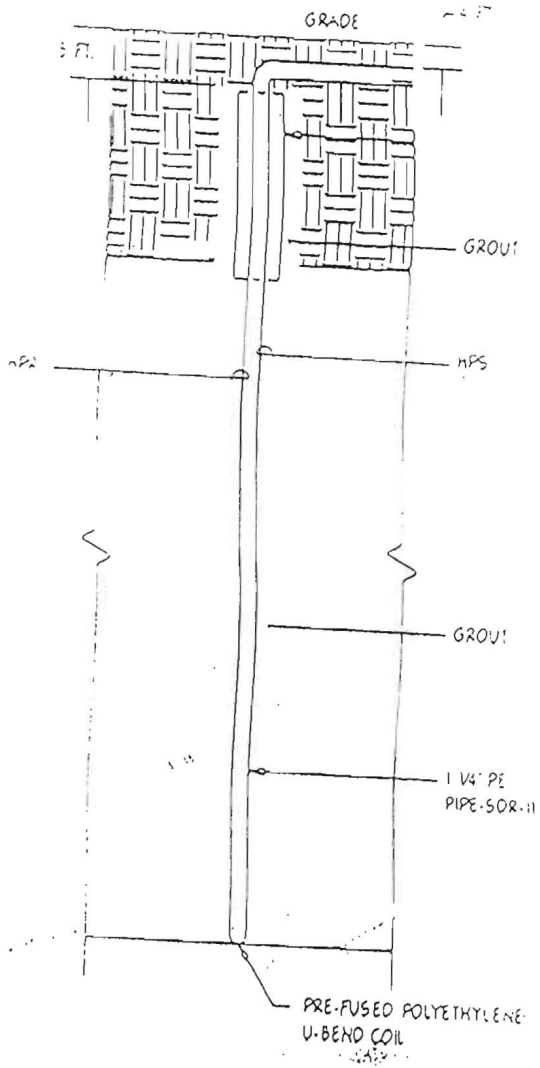
Piping: Polyethylene SDR 11 160 PSI as recommended per IGSHPA  
Manufacture: EnDot or Charter Plastics or equal, Size 1" or 1 1/4"  
IGSHPA Certification Number 12687

Also attached is a cross section diagram of the bore hole.

We would appreciate your help in getting this permit released as soon as possible so that we can expedite this project. If you have any questions, please do not hesitate to contact me.

Sincerely,

Michael Barlow



4  
 M1.00 TYPICAL BORE HOLE DETAIL  
 NOT TO SCALE

Maryland Department of Assessments and Taxation Real Property Data Search (vw2.3A) HOWARD COUNTY	<a href="#">Go Back</a> <a href="#">View Map</a> <a href="#">New Search</a> <a href="#">GroundRent</a> <a href="#">Redemption</a> <a href="#">GroundRent</a> <a href="#">Registration</a>
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**Account Identifier:** District - 05 Account Number - 406102

**Owner Information**

<b>Owner Name:</b>	STRIETER JOHN LESLIE STRIETER GAIL MILLER WF	<b>Use:</b>	RESIDENTIAL
		<b>Principal Residence:</b>	YES
<b>Mailing Address:</b>	12990 LINDEN CHURCH RD CLARKSVILLE MD 21029-1123	<b>Deed Reference:</b>	1) /01727/ 00627 2)

**Location & Structure Information**

<b>Premises Address</b>	<b>Legal Description</b>
12990 LINDEN CHURCH RD CLARKSVILLE 21029-0000	LOT 6 3.100 A 12990 LINDEN CHURCH RD N TWELVE HILLS S 1

Map	Grid	Parcel	Sub District	Subdivision	Section	Block	Lot	Assessment Area	Plat No:	7391
0028	0016	0381		0000			6	2	Plat Ref:	

<b>Special Tax Areas</b>	<u>Town</u>	NONE
	<u>Ad Valorem</u>	100
	<u>Tax Class</u>	

Primary Structure Built	Enclosed Area	Property Land Area	County Use
1923	2,664 SF	3.1000 AC	

<b>Stories</b>	<b>Basement</b>	<b>Type</b>	<b>Exterior</b>
2.000000	YES	STANDARD UNIT	SIDING

**Value Information**

	Base Value	Value	Phase-in Assessments	
			As Of	As Of
			01/01/2011	07/01/2011
<b>Land</b>	395,320	395,300		
<b>Improvements:</b>	175,720	178,100		
<b>Total:</b>	571,040	573,400	571,040	571,827
<b>Preferential Land:</b>	0			0

**Transfer Information**

<b>Seller:</b>	ALTOGETHER LIMITED PARTNERSHIP	<b>Date:</b>	09/29/1987	<b>Price:</b>	\$140,000
<b>Type:</b>	ARMS LENGTH IMPROVED	<b>Deed1:</b>	/01727/ 00627	<b>Deed2:</b>	
<b>Seller:</b>		<b>Date:</b>		<b>Price:</b>	
<b>Type:</b>		<b>Deed1:</b>		<b>Deed2:</b>	
<b>Seller:</b>		<b>Date:</b>		<b>Price:</b>	
<b>Type:</b>		<b>Deed1:</b>		<b>Deed2:</b>	

**Exemption Information**

<b>Partial Exempt Assessments</b>	<b>Class</b>	07/01/2011	07/01/2012
<b>County</b>			0.00
<b>State</b>			0.00
<b>Municipal</b>			0.00

<b>Tax Exempt:</b>	<b>Special Tax Recapture:</b>
<b>Exempt Class:</b>	* NONE *