

C1 18647

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 WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE Received MM DD YY

MM DD YY

22 240 26

2/5/2015

HD-95-2526

OWNER, WELL SITE ADDRESS, TOWN, SUBDIVISION, SECTION, LOT

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 Clay, Broken Rock, Grey Rock, Green Rock w/water, and Grey Rock.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N), TYPE OF GROUTING MATERIAL (CEMENT/BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD

MAIN CASING TYPE (STEEL/CONCRETE/PLASTIC/OTHER), Nominal diameter, Total depth

OTHER CASING (if used)

Table for OTHER CASING with columns: diameter, depth (feet)

SCREEN RECORD

screen type or open hole (STEEL/BRASS/PLASTIC/OPEN HOLE/OTHER)

DEPTH (nearest ft.)

Table for DEPTH with columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED (yes/no)

- CIRCLE APPROPRIATE LETTER: A (WELL ABANDONED AND SEALED), 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. MJD 553

DRILLERS SIGNATURE

LIC. NO. AWD 942

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) (E.R.O.S.) W Q

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, TYPE OF PUMP USED

PUMP INSTALLED

DRILLER INSTALLED PUMP, TYPE OF PUMP INSTALLED, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT

LATITUDE 39.30308, LONGITUDE 76.80650 (DEFAULT COORD. WGS 84)

NOTES:

Handwritten notes: Front, G20's x 200

Tax 02-229617

EMERGENCY/TEMP NO. IF ANY

<b>B 1</b>	<u>21240</u>	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> 545042 please type	STATE PERMIT NUMBER <u>Ho-95-2526</u> 70 fill in this form completely 79
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**OWNER INFORMATION**

Date Received (APA) 05/16/13  
8 MM DD YY 13

Arsenault Last Name      Ayved Owner First Name

8535 Old Frederick Rd Street or RFD

Ellicott City MD 21043 Town State Zip

**LOCATION OF WELL**

Howard COUNTY

23 SUBDIVISION

SECTION 44 LOT 48

Ellicott City NEAREST TOWN

**DRILLER INFORMATION**

John Hess Driller's Name      MWD 553 License No.

Allied Environmental Svcs Firm Name

PO Box 129, Annapolinc MD 20701 Address

John Hess Signature      5/16/13 Date

**SOURCES OF DRILLING WATER**

1. Public

2. Public

3. Public

8535 Old Frederick Rd STREET ADDRESS

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH  
 WEST  
 EAST  
 SOUTH

DISTANCE FROM ROAD ENTER FT OR MI

TAX MAP: 0018 BLK: 0007 PARCEL 0018

**WELL INFORMATION**

APPROX. PUMPING RATE (GAL. PER MIN.)

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)

**USE FOR WATER (CIRCLE APPROPRIATE BOX)**

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

OPEN LOOP GEOTHERMAL

CLOSED LOOP GEOTHERMAL 2 loops

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**

Howard COUNTY NAME      13 COUNTY NO.

STATE SIGNATURE \_\_\_\_\_ INSERT S →

DATE ISSUED 5/30/13 CO SIGNATURE John M. Wolf EXP. DATE 5/30/14

APPROXIMATE DEPTH OF WELL 240 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

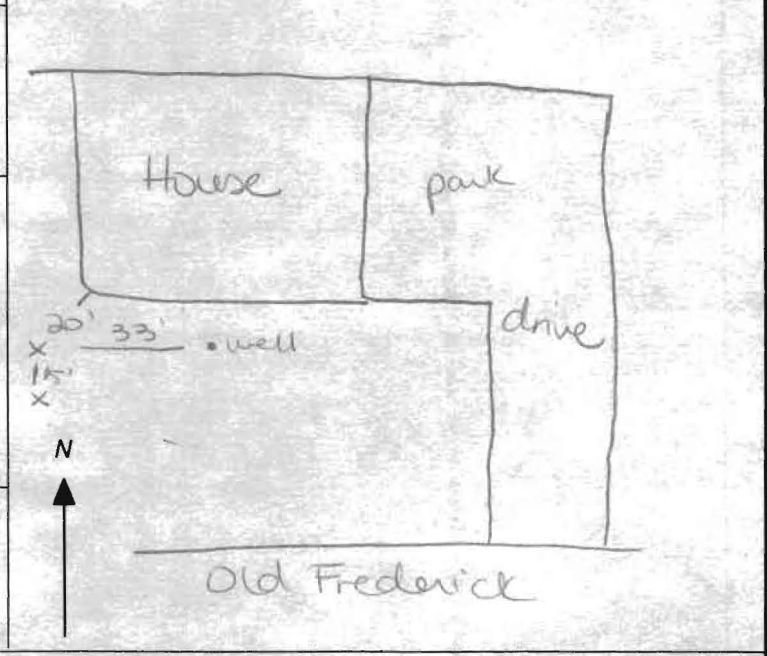
PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL

**METHOD OF DRILLING (circle one)**

BORED (or Augered)      JETTED      Jetted & DRIVEN

AIR-ROTary      AIR-PERCussion      ROTARY (Hydraulic Rotary)

CABLE      REVERSE-ROTary      DRIVE-POINT



**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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

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

APPROX. PERMIT NUMBER \_\_\_\_\_ **G** \_\_\_\_\_

PERMIT No. Ho-95-2526

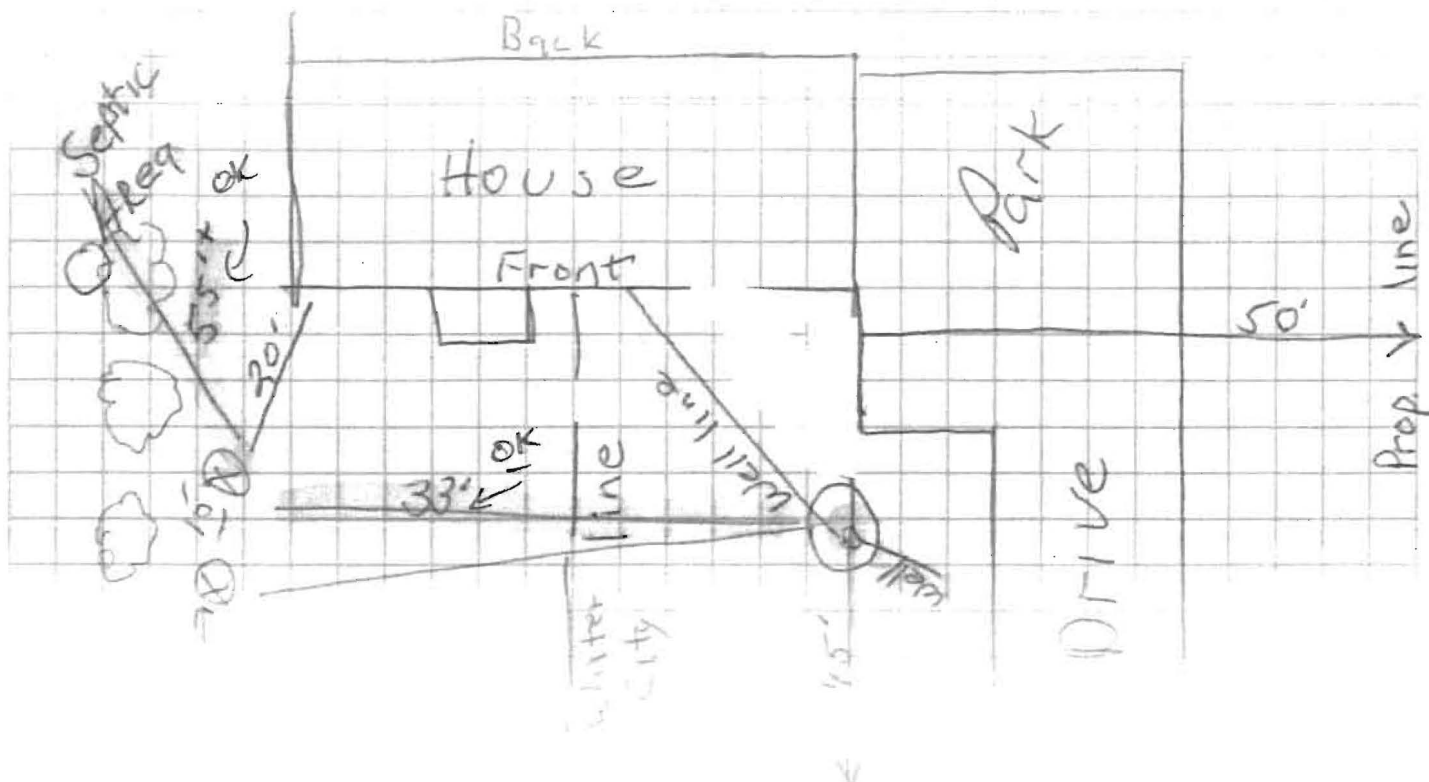
**SPECIAL CONDITIONS**  
NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Supreme Air



**SITE PLAN**

5/28/13  
 Res bore locations  
 Approved. *(Knee)*



Sediment Control Protocol: Containment front yard

Distance From House: 20'  
 From Septic: 106'  
 From Sewer: \_\_\_\_\_  
 From Property Line: 50'  
 From Street: \_\_\_\_\_

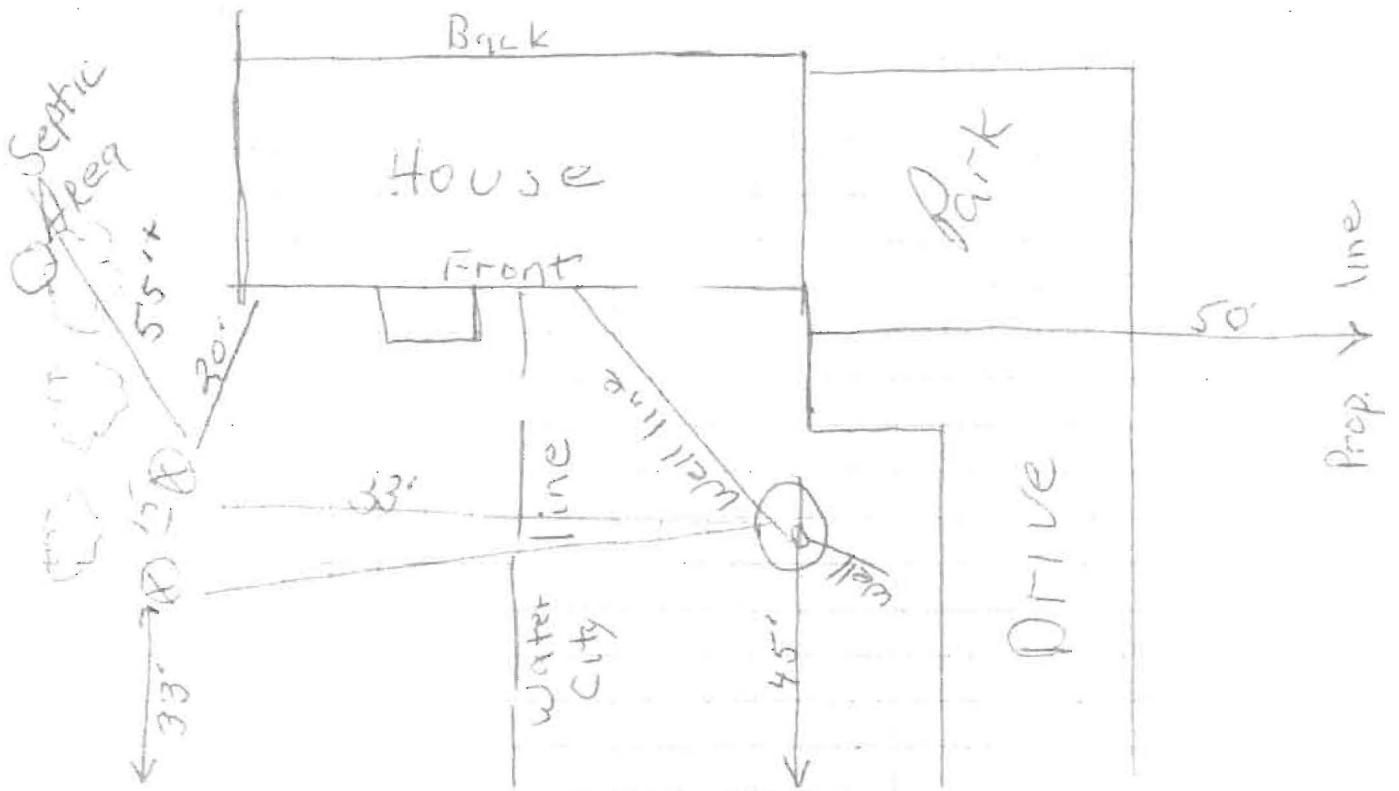
Comments: \_\_\_\_\_  
 Person Completing Form: M. Kohler

**DO NOT REMOVE THIS TAG**  
 DEPARTMENT OF THE ENVIRONMENT  
 WELL PERMIT NUMBER  
**HO-95-2526**  
 INFORMATION-GIVE NUMBER AND WRITE  
 1800 WASHINGTON BLVD.  
 BALTIMORE, MARYLAND 21230

*No*  
 well line + Water line  
~~type of Black Top under~~  
 Jack



SITE PLAN



Sediment Control Protocol: Containment front yard

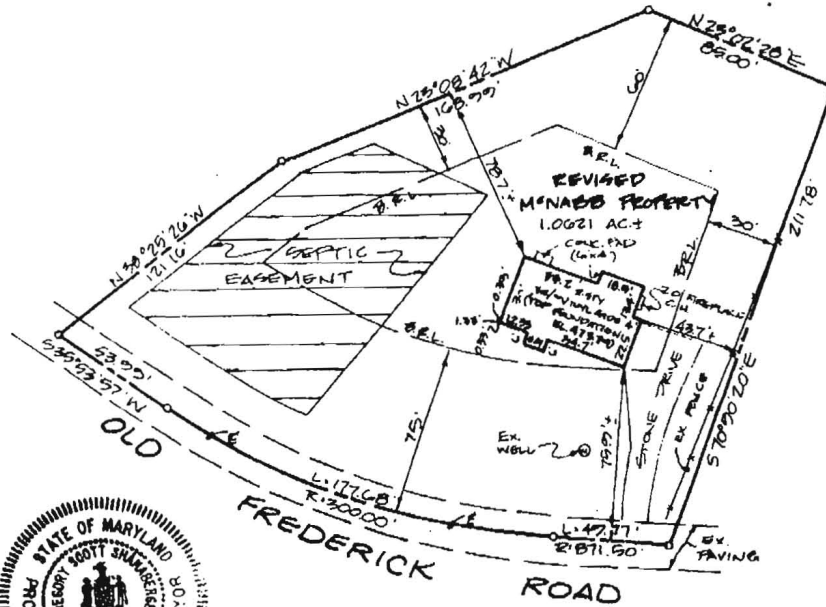
Distance From House: 20'  
From Septic: 106'  
From Sewer: \_\_\_\_\_  
From Property Line: 50'  
From Street: 45'

Trees Nearby: No  
Utility Issues: Well line + Water line  
Mats Needed: ~~Edge of Black Top under~~  
Access For H/U: \_\_\_\_\_  
Neighboring Tags: \_\_\_\_\_

Comments: \_\_\_\_\_

Person Completing Form: M. Kohler

THE PROPERTY SHOWN HEREON  
LIES IN ZONE C AS SHOWN ON  
FLOOD INSURANCE RATE  
MAP NO. 240044 0018B  
DATED: DEC. 4, 1986



I HEREBY CERTIFY THAT I HAVE LOCATED  
THE IMPROVEMENTS AS SHOWN. THIS PLAT  
DOES NOT REPRESENT A BOUNDARY SURVEY  
& CANNOT BE USED TO ESTABLISH PROPERTY  
LINES OR CORNERS.

*Gregory Scott Shanberger* 7/27/93  
**SHANBERGER & LAINE**  
8726 TOWN & COUNTRY BLVD.  
SUITE 104  
ELLCOTT CITY, MD. 21043

AS-BUILT CERTIFICATION  
**REVISED McNABB PROPERTY**  
SOUTHEAST SIDE OLD FREDERICK  
ROAD  
L: 176 / F: 253  
TAX MAP 18 PARCEL 18  
ELECTION DISTRICT: 240  
COUNTY: HOWARD  
SCALE: 1" = 50'  
DATE: 7/27/93

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 # M13000779  
 BUILDING PERMIT #

BUILDING ADDRESS: SUITE/APT:  
8535 Old Frederick rd

SUBDIVISION:  
 CENSUS TRACT: SECTION: AREA:  
 LOT: TAX MAP: PARCEL:  
 BLOCK: ZONE:

PROPERTY ID: MAP COORDINATES:

TYPE OF IMPROVEMENTS: USE:

OWNERS NAME: Arsenault  
 ADDRESS: 8535 Old Frederick rd  
 CITY: Ellicott city  
 STATE: mp ZIP CODE: 21043  
 HOME PHONE: 410-461-7045 WORK PHONE:

	<u>CHECK ONE</u>	<u>HOW MANY</u>
SINGLE FAMILY DWELLING	<input checked="" type="checkbox"/>	<u>1</u> ZONES
SINGLE FAMILY TOWNHOUSE	<input type="checkbox"/>	___ ZONES
MULTI-FAMILY / HOTEL/MOTEL	<input type="checkbox"/>	___ ROOMS
ASSISTED LIVING HOMES (16 OR FEWER RESIDENTS)	<input type="checkbox"/>	___ ROOMS

COMPANY NAME: Supreme Air  
 LICENSEE NAME: Alexandros Koussianos  
 ADDRESS: 6203 Collinswood rd  
 CITY: Baltimore  
 STATE: MD ZIP CODE: 21228  
 PHONE: 410-788-1114 HVACR LICENSE NO: 47207

- New**
- Heating and Air Conditioning
  - Geo Thermal System
  - Heating System Only
  - Ductless Mini Splits
  - Other Work (Describe):
  - Thru The Wall Systems
- Replacement**
- Heating
  - Air Conditioning
  - Heating and Air Conditioning
- Additions and Alterations**
- Heating
  - Air Conditioning
  - Heating and Air Conditioning
- 7/18/2013 Health Dept Approval Not Required (Accela) (BB)*

\*\*\*\*Replacement Geo Thermal Systems are not required. However, if a tax credit is being sought a permit is required\*\*\*\*

**Zones**

Permit Fee = # of Zones x \$40 = 40  
 Technology Fee (10% of Permit Fee) = 4  
 Plus Application Fee \$50.00  
 Total Fees Due = 94

**Rooms**

Permit Fee = # of Rooms x \$80 = \_\_\_\_\_  
 Technology Fee (10% of Permit Fee) = \_\_\_\_\_  
 Plus Application Fee \$50 \$50.00  
 Total Fees Due = \_\_\_\_\_

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.

Alexandros Koussianos 6/24/13  
 SIGNATURE OF LICENSEE DATE

Alexandros Koussianos  
 PRINT NAME OF LICENSEE

Alex@SupremeAirLLC.com  
 Email Address

**Validation**

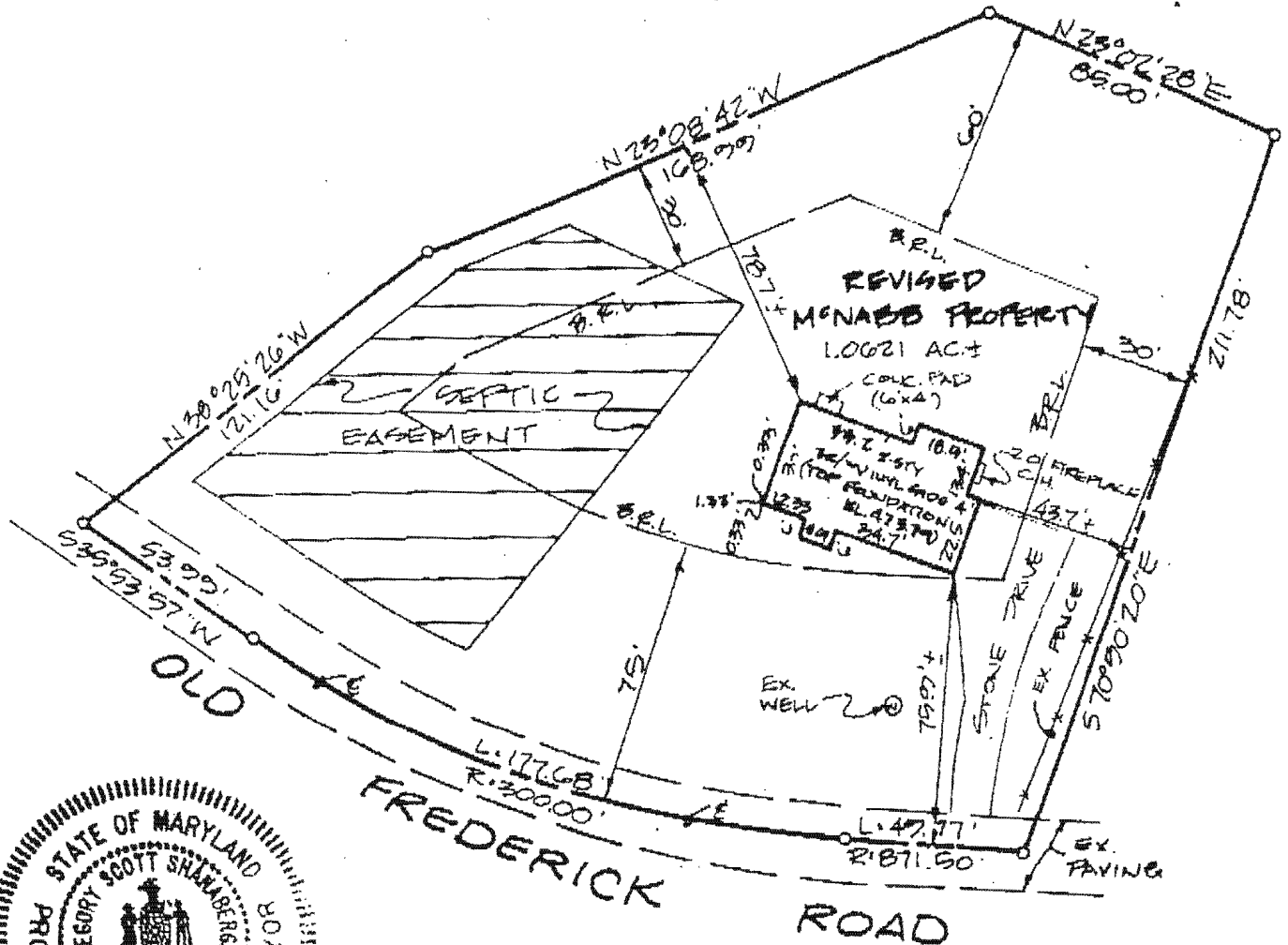
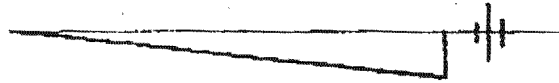
Check Number: 3303  
 Cash: \_\_\_\_\_  
 Receipt Number: 32459

Make check payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

*Well + Septic*

M13000779

THE PROPERTY SHOWN HEREON LIES IN ZONE C AS SHOWN ON FLOOD INSURANCE RATE MAP NO. 240044 0018B DATED: DEC. 4, 1986



I HEREBY CERTIFY THAT I HAVE LOCATED THE IMPROVEMENTS AS SHOWN. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY & CANNOT BE USED TO ESTABLISH PROPERTY LINES OR CORNERS.

SHANABERGER & LANE 8726 TOWN & COUNTRY BLVD. SUITES 104 ELLICOTT CITY, MD. 21043

AS-BUILT CERTIFICATION REVISED McNABB PROPERTY SOUTHEAST SIDE OLD FREDERICK ROAD L2175/E.253 TAX MAP 18 PARCEL 18 ELECTION DISTRICT: 2ND COUNTY: HOWARD SCALE: 1" = 50' DATE: 7/27/93



**Right J® Mobile Report**  
**Entire House**  
**Supreme Air**

M13600779

Job:  
 Date: 5/2/2013  
 By: Alex Kougianos

6203 Collinsway rd., Baltimore, MD 21228 Phone: 410 788 1114 Fax: 410 522 1178 Email: alex@supremeairflc.com Web: www.supremeairflc.com License: 47207

**Project Information**

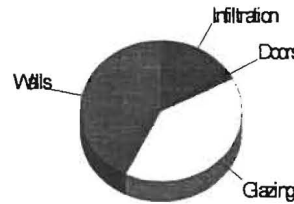
For: Arsenault  
 MD

**Design Conditions**

<b>Location:</b> Baltimore Blt-Washngtn Int'l, MD, US Elevation: 154 ft Latitude: 39°N	<b>Indoor:</b> Indoor temperature (°F) Design TD (°F) Relative humidity (%) Moisture difference (gr/lb)	<b>Heating</b> 70 53 30 22.2	<b>Cooling</b> 75 16 50 35.9
<b>Outdoor:</b> Dry bulb (°F) Daily range (°F) Wet bulb (°F) Wind speed (mph)	<b>Heating</b> 17 - - 15.0	<b>Cooling</b> 91 19 ( M ) 74 7.5	<b>Infiltration:</b> Method Construction quality Fireplaces
		Simplified Semi-tight 0	

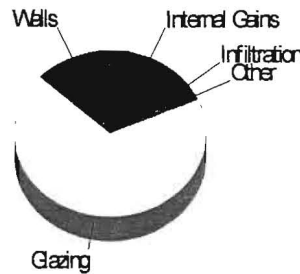
**Heating**

Component	Btuh/ft²	Btuh	% of load
Walls	3.6	11226	42.8
Glazing	30.0	10439	39.8
Doors	20.6	647	2.5
Ceilings	0	0	0
Floors	0	0	0
Infiltration	1.6	3928	15.0
Ducts		0	0
Piping		0	0
Humidification		0	0
Ventilation		0	0
Adjustments		0	0
<b>Total</b>		<b>26239</b>	<b>100.0</b>



**Cooling**

Component	Btuh/ft²	Btuh	% of load
Walls	0.9	2743	13.0
Glazing	41.7	14476	68.7
Doors	11.1	348	1.7
Ceilings	0	0	0
Floors	0	0	0
Infiltration	0.3	647	3.1
Ducts		0	0
Ventilation		0	0
Internal gains		2860	13.6
Blower		0	0
Adjustments		0	0
<b>Total</b>		<b>21074</b>	<b>100.0</b>



Latent Cooling Load = 1286 Btuh  
 Overall U-value = 0.065 Btuh/ft²·°F

Water furnace  
 Npv 038

Data entries checked.