

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 # M14009165 BUILDING PERMIT #
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BUILDING ADDRESS: <u>Same</u> SUITE/APT:	OWNERS NAME: <u>Michael Hurley</u> ADDRESS: <u>15024 Bushy Park Rd.</u> CITY: <u>woodbine</u> STATE: <u>MD</u> ZIP CODE: <u>21797</u> HOME PHONE: <u>410-489-4072</u> WORK PHONE: <u>443-928-1900</u>
SUBDIVISION: CENSUS TRACT: SECTION: AREA: LOT: TAX MAP: PARCEL: BLOCK: ZONE:	
PROPERTY ID: MAP COORDINATES:	
TYPE OF IMPROVEMENTS: USE:	

CHECK ONE	HOW MANY	
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: Watermule Heating & Air Cond
 LICENSEE NAME: Joseph F. Opdyke
 ADDRESS: 2116 Watervale Rd.
 CITY: Fallston
 STATE: MD ZIP CODE: 21047
 PHONE: 410-879-0292 HVACR LICENSE NO: 7629

☐ New Heating and Air Conditioning
☐ New Geo Thermal System
☐ Heating System Only
☐ Ductless Mini Splits
☐ Other Work (Describe):
☐ Thru The Wall Systems

Replacement water furnace
☐ Heating
☒ Air Conditioning
☐ Heating and Air Conditioning
novo 36 (3 ton) geothermal

Additions and Alterations
☐ Heating
☐ Air Conditioning
☐ Heating and Air Conditioning

****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 = <u>40.00</u> Technology Fee (10% of Permit Fee) = <u>4.00</u> Plus Application Fee <u>\$50.00</u> Total Fees Due = <u>\$94.00</u>	Rooms Permit Fee = # of Rooms x \$80 = _____ Technology Fee (10% of Permit Fee) = _____ Plus Application Fee \$50 <u>\$50.00</u> Total Fees Due = _____
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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: Joseph F. Opdyke DATE: 11/12/14
 PRINT NAME OF LICENSEE: Joseph F. Opdyke
 Email Address: watermule hvac@verizon.net

Validation

Check Number: 21655

Cash: _____

Receipt Number: 383097

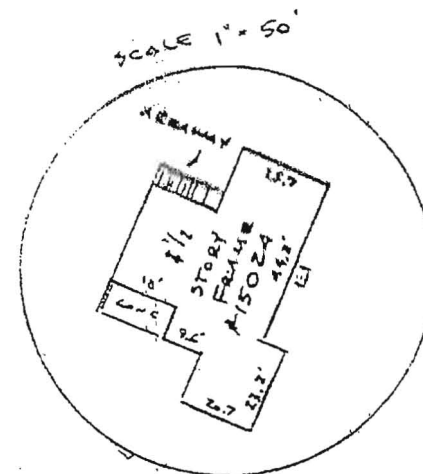
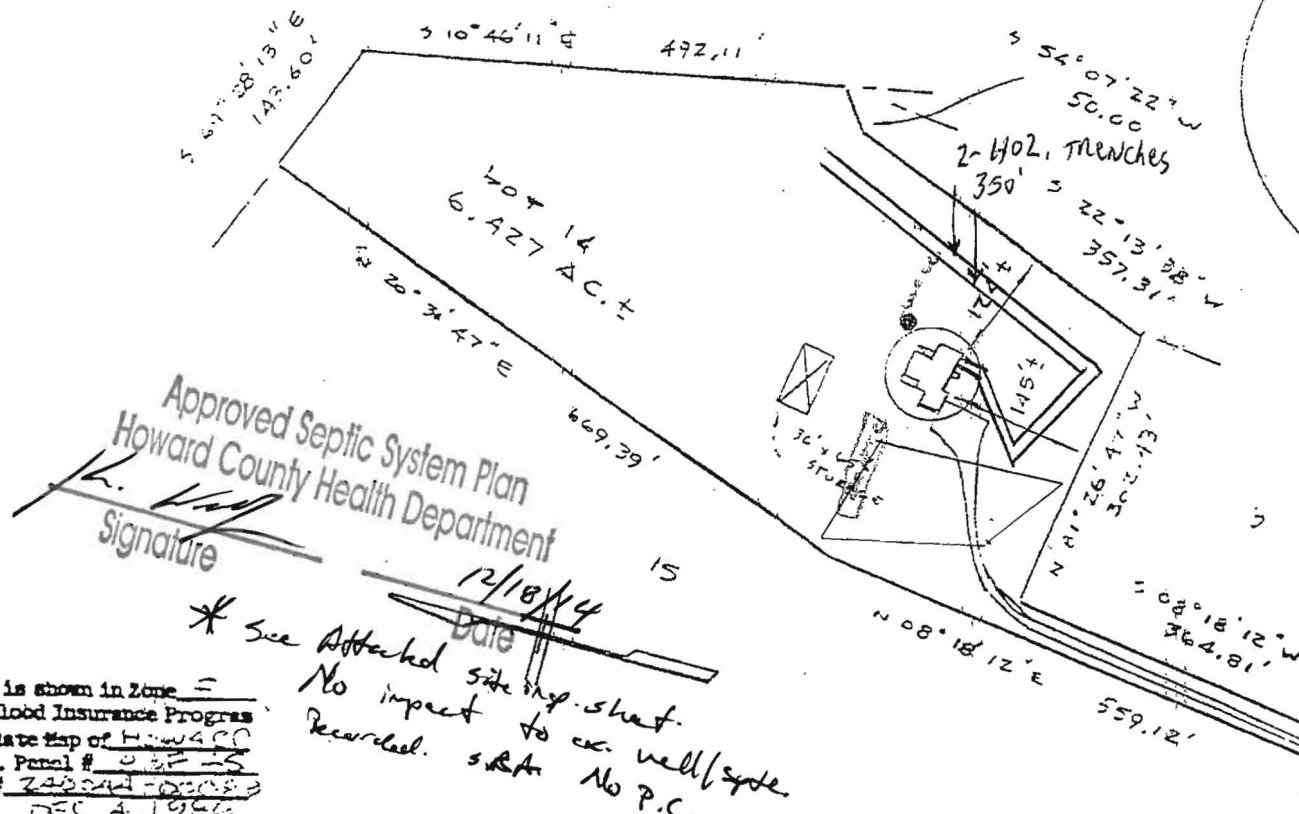
Make check payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

Word doc: T:\Updated Forms\hvac application
 Rev:10.2009

12/18/14 How on 601

Doing 2 Horiz. Trenches

MW001165



A 22315
P 30434

BUSHY PARK
ROAD

Subject property is shown in Zone =
on the National Flood Insurance Program
Flood Insurance Rate Map of Howard
County, Maryland. Panel # 03F-15
Community Panel # 240044-00000
Effective Date: DEC 4, 1986

This is to certify that I have surveyed the property
known as Lot 14
15024 BUSHY PARK ROAD
sheet of recorded 774/460 among the
Land Records of Howard County, Maryland for the
purpose of locating the improvements thereon.

THIS PLAT SHOWS ONLY THAT THE IMPROVEMENTS ARE
CONTAINED WITHIN THE OUTLINES OF THE LOT AND IS
NOT TO BE USED TO ESTABLISH PROPERTY LINES.



J. Carl Hudgins PLS#96

LOCATION SURVEY

15024 BUSHY PARK ROAD
4th ELECTION DISTRICT
HOWARD COUNTY, MD.

NTT ASSOCIATES, INC.
16205 Old Frederick Road
Mt. Airy, Maryland 21771
Phone 442-2031

Scale	1" = 200'
Date	OCT 8, 1991
Field By	JCH
Drawn By	JCH
Drawing #	212735

M14001165

**Project Report****General Project Information**

Project Title: Michael Hurley
 Designed By: Joe Opdyke
 Project Date: Wednesday, October 22, 2014
 Client Name: Michael Hurley
 Client Address: 15024 Bushy Park Rd.
 Client City: Woodbine, Md. 21797
 Client Phone: 443-928-1900

Design Data

Reference City: Baltimore, Maryland
 Daily Temperature Range: Medium
 Latitude: 39 Degrees
 Elevation: 148 ft.
 Altitude Factor: 0.995
 Elevation Sensible Adj. Factor: 1.000
 Elevation Total Adj. Factor: 1.000
 Elevation Heating Adj. Factor: 1.000
 Elevation Heating Adj. Factor: 1.000

	Outdoor Dry Bulb	Outdoor Wet Bulb	Indoor Rel.Hum	Indoor Dry Bulb	Grains Difference
Winter:	5	0	30	72	29
Summer:	95	75	50	75	34

Check Figures

Total Building Supply CFM:	1,609	CFM Per Square ft.:	0.557
Square ft. of Room Area:	2,889	Square ft. Per Ton:	738
Volume (ft³) of Cond. Space:	24,858	Air Turnover Rate (per hour):	3.9

Building Loads

Total Heating Required With Outside Air:	49,394 Btuh	49.394 MBH
Total Sensible Gain:	35,220 Btuh	96 %
Total Latent Gain:	1,368 Btuh	4 %
Total Cooling Required With Outside Air:	36,588 Btuh	3.05 Tons (Based On Sensible + Latent)
		3.91 Tons (Based On 75% Sensible Capacity)

Notes

Calculations are based on 8th edition of ACCA Manual J.
 All computed results are estimates as building use and weather may vary.
 Be sure to select a unit that meets both sensible and latent loads.

SITE INSPECTION SHEET

OWNER: Michael Hurley

PHONE #: 410-489-4072

ADDRESS: 15024 Buckeys Park Rd.

CONTRACTOR: Watervale Heating + Air

Woodbine, MD 21797

WELL TAG #: _____

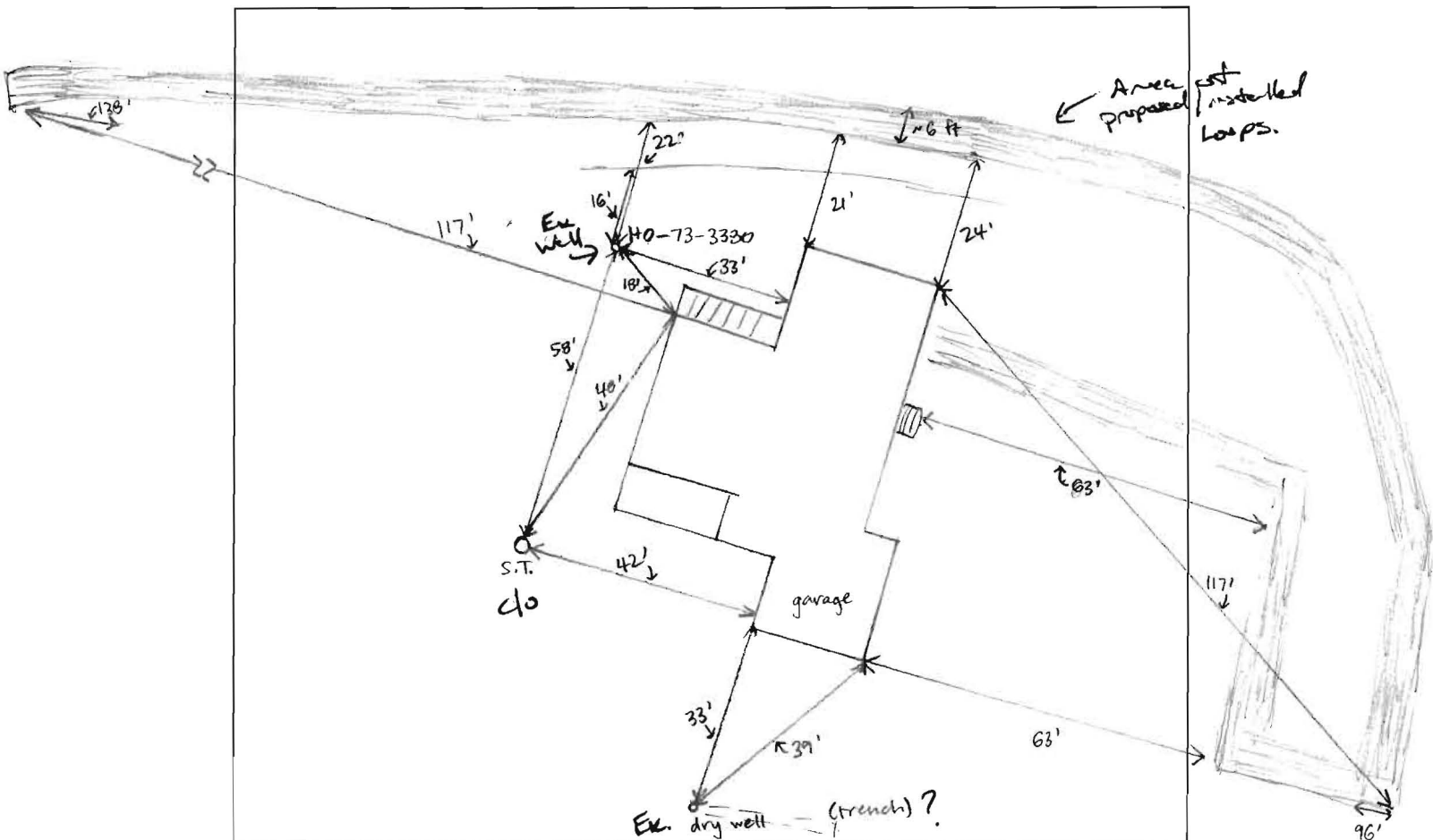
SUBDIVISION: _____

LOT: _____

COUNTY #: _____

PROPOSAL: Site Inspection for HVAC permit - Horizontal Loops -

LOCATION DIAGRAM



COMMENTS: Shaded area is slightly depressed (possible loop). Dirt extends 6-8 ft.
on either side.

DATE: 12/16/14

INSPECTOR: Sarah Collins