

**MARION TOWNSHIP  
ZONING BOARD OF APPEALS**

**The Township Zoning Board of Appeals will meet in person  
November 13, 2023 at 7:30 pm**

However, there will be virtual access.

Instructions to participate in the meeting are posted on [www.mariontownship.com](http://www.mariontownship.com)

**AGENDA**

CALL TO ORDER

PLEDGE OF ALLEGIENCE

INTRODUCTION OF MEMBERS

APPROVAL OF AGENDA

November 13, 2023

APPROVAL OF MINUTES FOR: November 14, 2022 Regular Meeting

CALL TO PUBLIC

NEW BUSINESS:

- 1) ZBA Case #01-23 Michael Hickey 1687 Triangle Lake Rd. seeking a variance to Section 8.04.E.3.a.1 front yard setback. Roof was installed on pre-existing Deck within the 50-foot setback from the lake 4710-27-101-004

UNFINISHED BUSINESS:

SPECIAL ORDERS:

CALL TO PUBLIC:

ADJOURNMENT:

Submitted by: S. Longstreet

Approved: \_\_\_\_\_

**MARION TOWNSHIP  
ZONING BOARD OF APPEALS  
REGULAR MEETING  
NOVEMBER 14, 2022**

**MEMBERS PRESENT:** Larry Fillinger, Linda Manson-Dempsey, Dan Lowe, and Diane Bockhausen

**MEMBERS ABSENT:** Larry Grunn

**OTHERS PRESENT:** Dave Hamann, Zoning Administrator

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**CALL TO ORDER**

Larry Fillinger called the meeting to order at 7:30 p.m. The meeting is also available online.

**MEMBERS PRESENT**

The members of the Zoning Board of Appeals introduced themselves.

**APPROVAL OF AGENDA**

Larry Fillinger asked to have 2023 Officer Election added to the agenda, and motioned to approve the amended agenda. Linda Manson-Dempsey seconded. **Motion carried.**

**APPROVAL OF MINUTES**

**August 29, 2022 Special Meeting:** The minutes header should be changed to "Special Meeting." Diane Bockhausen motioned to approve the minutes as amended. Dan Lowe seconded. **Motion carried.**

**CALL TO THE PUBLIC**

No response.

**NEW BUSINESS**

**ZBA Case #03-22 John & Mary Martin, 446 Trestle Drive, Tax Code #4710-12-302-144, seeking a variance for Section 8.03 F 3 c Rear-yard Setback**

**Call to the Public**

Steve Kujawski, 430 Trestle Drive, lives next door and supports the variance request.

**Motion**

Diane Bockhausen motioned for ZBA Case #03-22, John & Mary Martin, 446 Trestle Drive, Tax Code #4710-12-302-144, to grant a 5-foot variance to *Section 8.03 F 3 c Rear-yard Setback*, considering the following criteria:

1. **That the restrictions of the township zoning ordinance would unreasonably prevent the owner from using the property for a permitted use.** *The request is for an inground pool, which is a permitted use.*
2. **That the variance would do substantial justice to the applicant and a lesser relaxation than that requested would not give a substantial relief to the owner of the property.** *The parcel is not large enough to accommodate the pool and a lesser relaxation would not give substantial relief.*
3. **That the request is due to the unique circumstances of the property.** *The parcel has a 30' rear setback, although the standard for the Suburban Residential zoning district is 25'.*
4. **That the alleged hardship has not been created by a property owner.** *The property was purchased in 2020 and the current owner didn't create the hardship.*
5. **That the difficulty shall not be deemed solely economic.** *This request is not solely economic.*

Linda Manson-Dempsey seconded. Roll call vote: Lowe—yes; Bockhausen—yes; Fillinger—yes; Manson-Dempsey—yes. **Motion carried 4-0.**

### **SPECIAL ORDERS**

#### **Zoning Board of Appeals Officer Nominations**

Linda Manson-Dempsey motioned to nominate Larry Fillinger as chairman. Diane Bockhausen seconded. **Motion carried.**

Larry Fillinger motioned to nominate Linda Manson-Dempsey as vice chairman. Diane Bockhausen seconded. **Motion carried.**

Linda Manson-Dempsey motioned to nominate Dan Lowe as secretary. Larry Fillinger seconded. **Motion carried.**

### **CALL TO THE PUBLIC**

No response.

### **ADJOURNMENT**

Linda Manson-Dempsey motioned to adjourn at 7:51 pm. Diane Bockhausen seconded. **Motion carried.**

# APPLICATION TO ZONING BOARD OF APPEALS

ZBA Case # 01-23  
Tax Code 4710-27-101-004  
Current Zoning ERS1  
Fee Paid 400  
Date Received 10-19-2023  
Received by DH

Applicant Michael Hickoy  
Address 1687 TRIANGLE IR RD HEWELL MI 48843  
Telephone 734-474-3127 Same  
(Home) (Work)

Applicant is (check one):  Owner  Purchaser  Representative

*Purchaser or Representative needs a letter of permission from owner*

### Nature of Request (check applicable one)

- Administrative Review (per Section 5.05 A)
- Interpretation of Ordinance (per Section 5.05 B 1, 2, 3 or 4)
- Variance Request (see below)

### 1. Zoning Ordinance Section

SECTION 8.04.E.3.a.1 FRONT YARD SETBACK

- 2. Letter stating reason request should be granted (per Section 5.05 C)
- 3. Plot Plan—example and checklist attached (requirement per Section 4.03 D)
- 4. Required Livingston County Health Department evaluation

**Refer to checklist on last page for additional instructions**

**By signing this application, permission is granted for official representative(s) of Marion Township to do onsite inspections.**

[Signature]  
Signature

10-3-23  
Date

Office Use Only	
Meeting Date <u>11-13-2023</u>	Action Taken _____
Conditions (if applicable) _____	
Signed _____	

1. The restrictions of the Township Zoning Ordinance would unreasonably prevent the owner from using the property for a permitted use. My name is Michael Hickey, the property owner at 1687 Triangle Lake Road (the "Property"), and I am applying for a zoning variance to allow a 20' by 10' (200 square feet) deck overhang to remain on my Property. The overhang simply serves to protect my extremely small house from overheating as my house, given its location and the natural features of my Property, is prone to exceeding safe living temperatures when constantly exposed to the sun. My air conditioner is unable to control the heat caused by this issue. While shutting my blinds helps a small amount, it is insignificant and even that minimal reprieve from sunlight and heat forces me to live in my small house with no lake view out of my west facing windows. Aside from the fact that property owners on the Lake should be able to enjoy their lake view without sacrificing comfortable living conditions, living in my very small house without being able to open my blinds causes me to have extreme claustrophobia. The easiest way of solving this issue without interfering with my neighbors' lake views or lake access was the installation of my deck overhang. This is a nonuse variance application, and my deck overhang would otherwise be permitted if it was not just barely within the lakefront fifty (50') foot front yard setback area. The installation and use of a deck overhang is otherwise permitted and preventing me from having the overhang is unreasonable given multiple factors. As discussed below, my lot and home have unique characteristics distinguishing them from a large majority of other lots and homes on Triangle Lake, and preventing me from having a deck overhang punishes me for those unique characteristics. Most other surrounding properties are able to enjoy a deck overhang if the owners of those surrounding properties want to install one. Moreover, allowing the deck overhang to remain keeps with the spirit of the setback ordinance. The fifty foot (50') lakefront setback serves to ensure neighboring property owners do not have their lake access or view obstructed by neighboring encroachments. My deck overhang does not harm any of the neighbors, as it does not encroach on the lake any closer than my already existing deck, which was constructed in [year] – long before I purchased my Property in [year]. It does not prevent any neighboring property owners' use and enjoyment of the waters of Triangle Lake, and it does not obstruct the view of any of my neighbors. Enforcing the strict letter of the ordinance therefore would not serve to further the ordinance's purpose, but rather it would merely serve to deprive my property of the ability to enjoy a deck overhang as a vast majority of other lots on Triangle Lake could.

2. The variance would do substantial justice to the applicant and a lesser relaxation than that requested would not give substantial relief to the owner of the property. Substantial justice will be done by granting the requested variance. As mentioned, granting the variance I request only allows my property to enjoy the shading and cooling benefits of a deck overhang, which shields my house from the sun. Almost every other lot on Triangle Lake would be able to enjoy a deck overhang if the owners of those lots chose to due to much larger lot sizes around the Lake. The deck overhang is also the simplest, least intrusive solution to the practical difficulties suffered by my Property. My deck overhang does not block anyone's lakefront view, it only allows me to enjoy mine. The neighbor to my south has a large willow tree which shades his house, and that tree actually inhibits my view of the lake. Moving my house is not an option, and installing trees such as the tree on my neighbor's property would violate the ~~letter~~ <sup>LOT #1</sup>

and spirit of the zoning ordinance by interfering with neighboring property owners' view and enjoyment of the Lake.

3. **The request is due to unique circumstances of the property.**

My house features numerous west-facing windows that become a source of extreme discomfort during the warmer months. When the sun is positioned over the house or setting over the lake, direct sunlight enters these windows, causing the house's interior temperature to rise sometimes to 95-100 degrees, far exceeding proper living temperatures. My property lacks any natural shading from trees or vegetation, distinguishing it from the neighboring property to the south, which enjoys vast shade from a large lakefront willow tree. The excessive heat is made worse by the fact that my home is only 684 square feet with an open floor plan, which makes my home much more prone to overheating due to constant sunlight exposure for the simple reason that it does not take much to heat up and small space.

My small house sits on a mere 0.05-acre lot on Triangle Lake, which is substantially smaller than the average lot size on the Lake. With Triangle Lake predominantly having lots of at least 0.3 acres, my property falls well short of that number. In fact, my lot is the second smallest lot on Triangle Lake. Due to my small lot size, my house is constructed in extremely close proximity to the fifty (50') foot lakefront setback, which is a significant contributing factor to the practical difficulties my property faces. This, in combination with the small lot size, results in my property being unfairly burdened by the lakefront setback requirement. The current setback effectively prevents me from making even the smallest and simplest of lakefront additions to mitigate sun and heat conditions.

4. **The alleged hardship has not been created by a property owner.**


The circumstances leading to this variance request are not of my making. The unique circumstances necessitating the deck overhang pertain to the size of my lot, my lot's natural features, the construction of my home right up against the front yard setback (which was largely necessary due to small lot size), and the small square footage and open concept of my home. My lot and the house on my lot were created long before I purchased my Property in 1991. I did not create the lot or construct the house – I simply inherited these conditions when acquiring the Property.

5. **The difficulty is not solely economic.**

The practical difficulties of the situation are not economic in the slightest. The core of the hardship in this case is not tied to my financial situation or personal preferences. Instead, it is rooted in the unique and unalterable physical characteristics of the property that are causing my house to at times be unlivable. These characteristics include the property's small lot size, the proximity of my house to the lakefront, the absence of vegetation or shading enjoyed by other neighboring properties, including the neighboring property to my south, and the excessive sunlight penetration into the house. These factors are inherent to the property itself and not the

result of personal choices or economic considerations made by me. Simply put, the unique characteristics of my Property make it necessary to have a deck overhang to prevent my house from overheating. Other lots on the Lake would have no setback issues if those lot owners wanted to build a deck overhang, as those lots are much larger and there is therefore plenty of room to build outside of the setback area. My property is prevented from enjoying those same permitted structures as a vast majority of other lots get to enjoy simply because of the unique physical characteristics and circumstances of my lot itself. Based on the above, I respectfully request that my requested variance be granted.

Date: 10-18-23

By:   
Michael Hickey  
Owner of 1687 Triangle Lake Road

## DESCRIPTION OF LAND PLATTED

The land embraced in the annexed plat of .... "McClatchey's Triangle...  
Lake Estates",. Part of W. part NE. 1/4 and Part of E.  
part NW. 1/4 Sec. 27.. T2N. R4E. Marlon Township...  
...Livingston County, Michigan.

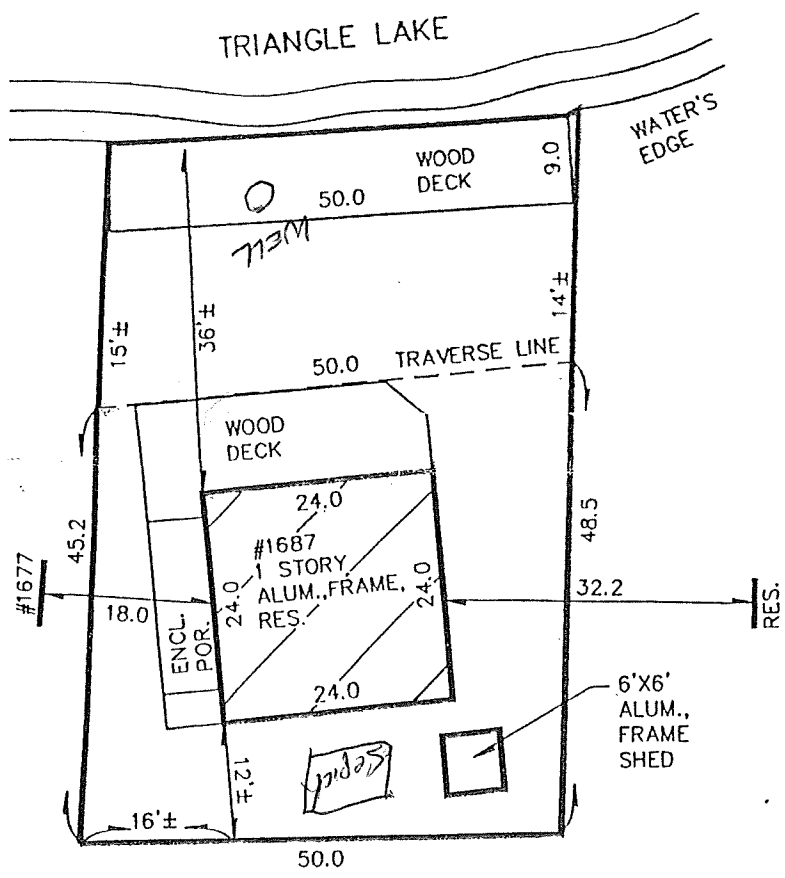
*is described as follows:*

Beginning on the E & W 1/4 line at a point 2533.81 ft.  
S 89°-30' W from the E. 1/4 post of said Sec. 27;  
Thence S 89°-30' W 35.89 ft.; N 30°-35' W 492.7 ft;  
N 59°-59' W 186.6 ft.; N 84°-54' W 289.4 ft.; S 50°-  
10' W 544.3 ft.; S 28°-8' W 233 ft.; S 89°-30' W 125  
ft.; N 0°-38' W 580.23 ft.; N 65°-57' E 741.37 ft.;  
Thence along the arc of a 14°-46'-40" Degree Curve  
Right a distance of 355.7 ft. The Long Chord of which  
bears S 87°-50'-30" E 343.41 ft.; Thence S 61°-38'  
E 282.44 ft.; S 0°-9' W 369.66 ft.; S 7°-40' E 61.0 ft.;  
S 15°-8' E 105.24 ft.; S 25°-49' E 212.83 ft. to point  
of beginning.

Note. All measurements are in feet and decimals  
thereof. All lots extend to the waters edge of Triangle  
Lake.

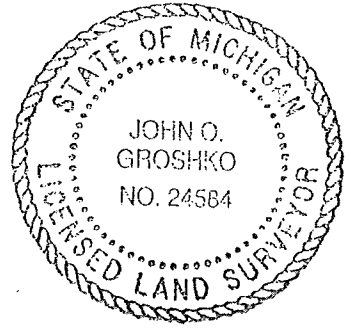


MICHIGAN



TRIANGLE LAKE RD. 66FT. WD.  
20' GRAVEL

CERTIFICATE: We hereby certify that we have surveyed the above-described property in accordance with the description furnished for the purpose of a mortgage loan to be made by the forementioned applicants, mortgagor, and that the buildings located thereon do not encroach on the adjoining property, nor do the buildings on the adjoining property encroach upon the property heretofore described, except as shown. This survey is not to be used for the purpose of establishing property lines, nor for construction purposes, no stakes having been set at any of the boundary corners.



*John O. Groshko L.L.S.*

JOB NO. 95-32639 SCALE 1"=20'  
DATE 5/16/95 DR. BY CJB

**KEM-TEC**  
LAND SURVEYORS

16041 East Nine Mile Road  
Eastpointe, MI 48021-2319  
(313) 772-2222  
FAX: (313) 772-4048



**KEM-TEC WEST**  
SURVEYING & ENGINEERING

205 N. Main Street  
Ann Arbor, MI 48104-1412  
(313) 994-0888 • (800) 433-6133  
FAX: (313) 994-0667

## Plot Plan Checklist

- Street name(s)
- Street address
- Drawing scale (optional)
- North arrow
- Location of driveway and sidewalks
- Label existing buildings & structures and indicate usage
- Label proposed buildings/structures and indicate usage
- Dimensions from existing buildings and structures to property lines
- Dimensions from proposed buildings/structures to property lines
- Dimensions of existing buildings and structures
- Dimensions of proposed buildings/structures
- Dimensions of property lines
- Location of well and septic
- Confirmation of lot lines with survey or location of irons

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.
HICKEY MICHAEL J	HICKEY MICHAEL J REV LIVI	0	07/22/2022	QC	14-INTO/OUT OF TRUST	2022R-020381	PROPERTY TRANSFER	0.0
FINCH MARY E	HICKEY MICHAEL J	159,000	06/04/2008	WD	03-ARM'S LENGTH	2008R-019385	NOT VERIFIED	100.0
KENDALL, MICHAEL J	FINCH, MARY E (FKA KENDAL	0	04/23/2002	QC	30-SHORT SALE	PTA	PROPERTY TRANSFER	0.0

Property Address  
 1687 TRIANGLE LAKE RD  
 Owner's Name/Address  
 HICKEY MICHAEL J REV LIVING TRUST  
 1687 TRIANGLE LAKE RD  
 HOWELL MI 48843-7920

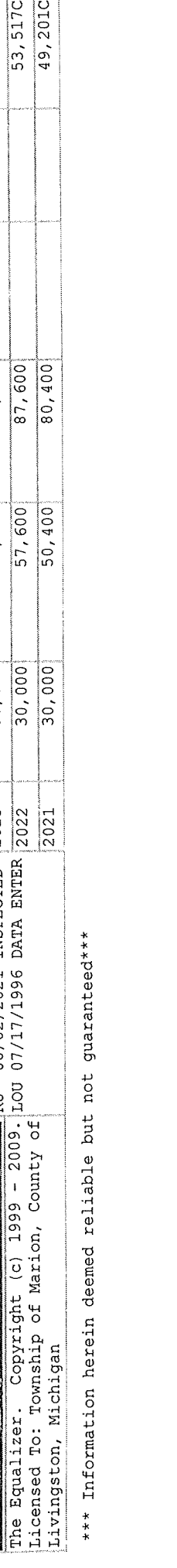
Class: RESIDENTIAL-IMPRO Zoning: ERS-1 Building Permit(s)  
 School: HOWELL PUBLIC SCHOOLS  
 P.R.E. 100% 06/11/2008  
 MAP #: TRMKCC  
 2024 Est TCV 168,411 TCV/TFA: 237.87  
 Land Value Estimates for Land Table TRGLK.TRIANGLE LAKE

Tax Description	Front	Depth	Rate	Adj.	Reason	Value
T2N, R4E, SEC. 27 MC CLATCHEY'S TRIANGLE LAKE ESTATES LOT 4	50.00	47.00	1.0000	0.4026	1350 100	27,174
Comments/Influences	Value less than minimum value for this land table. Minimum used.					60,000
	50 Actual Front Feet, 0.05 Total Acres					60,000

Land Improvement Cost Estimates	Rate	Size	% Good	Cash Value
Description	8.58	660	53	3,001
D/W/P: 4in Ren. Conc.				
Total Estimated Land Improvements				3,001

Public Improvements	Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/Other	Taxable Value
X Level	2024	30,000	54,200	84,200			56,192C
X Rolling	2023	30,000	51,400	81,400			56,192C
X Low	2022	30,000	57,600	87,600			53,517C
X High	2021	30,000	50,400	80,400			49,201C

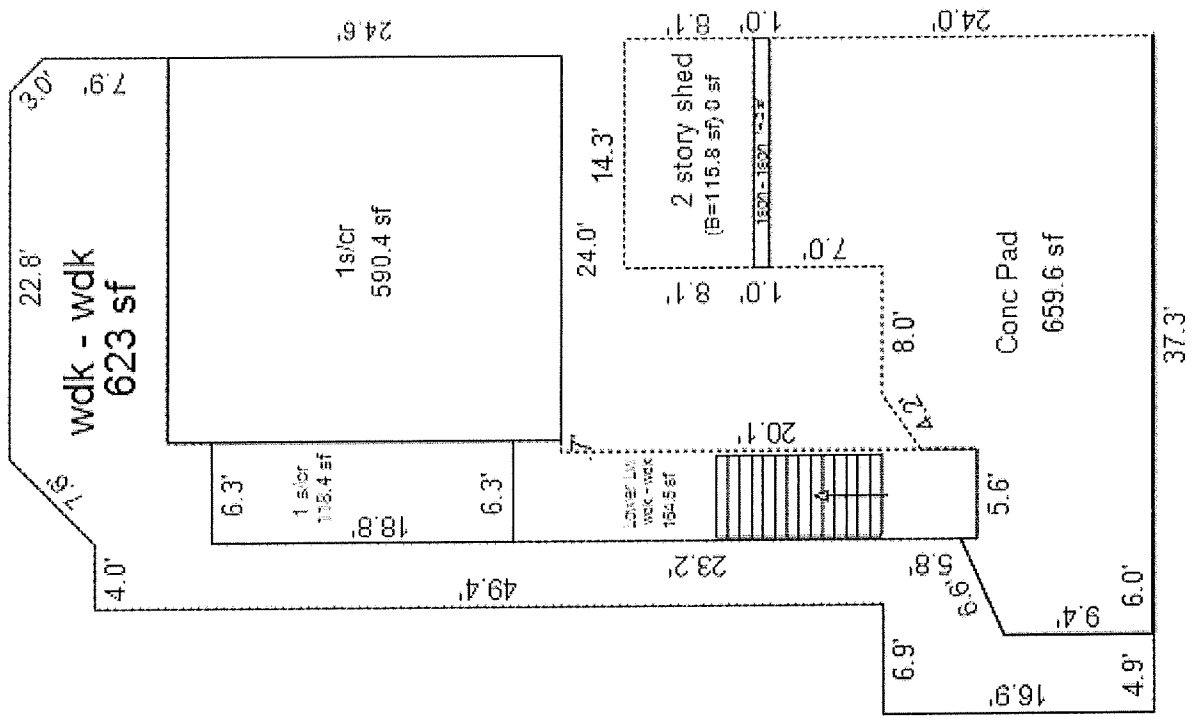
Topography of Site  
 X Level  
 X Rolling  
 X Low  
 X High  
 X Landscaped  
 X Swamp  
 X Wooded  
 X Pond  
 X Waterfront  
 X Ravine  
 X Wetland  
 X Flood Plain



The Equalizer. Copyright (c) 1999 - 2009. Licensed To: Township of Marion, County of Livingston, Michigan  
 \*\*\* Information herein deemed reliable but not guaranteed\*\*\*

Building Type		(3) Roof (cont.)		(11) Heating/Cooling		(15) Built-ins		(16) Porches/Decks		(17) Garage	
X	Single Family Mobile Home	Eavestrough Insulation	0 Front Overhang	X Gas Wood	Oil Coal	Appliance Allow. Cook Top Dishwasher Garbage Disposal Bath Heater Vent Fan Hot Tub Unvented Hood Water Heater Intercom Jacuzzi Tub Jacuzzi repl. Tub Oven Microwave Standard Range Self Clean Range Sauna Trash Compactor Central Vacuum Security System	Interior 1 Story Interior 2 Story 2nd/Same Stack Two Sided Exterior 1 Story Exterior 2 Story Prefab 1 Story Prefab 2 Story Heat Circulator Raised Hearth Wood Stove Direct-Vented Gas	Interior 1 Story Interior 2 Story 2nd/Same Stack Two Sided Exterior 1 Story Exterior 2 Story Prefab 1 Story Prefab 2 Story Heat Circulator Raised Hearth Wood Stove Direct-Vented Gas	Area Type 623 Treated Wood 165 Treated Wood	Year Built: Car Capacity: Class: Exterior: Brick Ven.: Stone Ven.: Common Wall: Foundation: Finished?: Auto. Doors: Mech. Doors: Area: % Good: Storage Area: No Conc. Floor: Bsmnt Garage: Carport Area: Roof:	
X	Wood Frame	(4) Interior Drywall Plaster Paneled Wood T&G Trim & Decoration	Ex X Ord Min	Forced Air w/o Ducts Forced Air w/ Ducts Forced Hot Water Electric Baseboard Elec. Ceil. Radiant Radiant (in-floor) Electric Wall Heat Space Heater Wall/Floor Furnace Forced Heat & Cool Heat Pump No Heating/Cooling Central Air Wood Furnace	Forced Air w/o Ducts Forced Air w/ Ducts Forced Hot Water Electric Baseboard Elec. Ceil. Radiant Radiant (in-floor) Electric Wall Heat Space Heater Wall/Floor Furnace Forced Heat & Cool Heat Pump No Heating/Cooling Central Air Wood Furnace	Class: C Effec. Age: 39 Floor Area: 708 Total Base New : 135,099 Total Depr Cost: 83,600 Estimated T.C.V: 100,822	Class: C Effec. Age: 39 Floor Area: 708 Total Base New : 135,099 Total Depr Cost: 83,600 Estimated T.C.V: 100,822	E.C.F. X 1.206			
	Room List	Doors Solid X H.C.	Lg X Ord Small	(12) Electric 100 Amps Service							
	Basement 1st Floor 2nd Floor Bedrooms	(5) Floors Kitchen: Other: Other:		No./Qual. of Fixtures Ex. X Ord. Min							
(1) Exterior	Wood/Shingle X Aluminum/Vinyl Brick	(6) Ceilings X Drywall		No. of Elec. Outlets Many X Ave. Few							
X	Insulation	(7) Excavation		(13) Plumbing							
X	Many Avg. Few	Basement: 0 S.F. Crawl: 708 S.F. Slab: 0 S.F. Height to Joists: 0.0		Average Fixture (s) 1 3 Fixture Bath 2 Fixture Bath Softener, Auto Softener, Manual Solar Water Heat No Plumbing Extra Toilet Extra Sink Separate Shower Ceramic Tile Floor Ceramic Tile Wains Ceramic Tub Alcove 1 Vent Fan	Other Additions/Adjustments Plumbing Vent Fan Water/Sewer 1000 Gal Septic Water Well, 200 Feet Deck Treated Wood Treated Wood	Other Additions/Adjustments Plumbing Vent Fan Water/Sewer 1000 Gal Septic Water Well, 200 Feet Deck Treated Wood Treated Wood	Other Additions/Adjustments Plumbing Vent Fan Water/Sewer 1000 Gal Septic Water Well, 200 Feet Deck Treated Wood Treated Wood	Size 590 118 Total: 105,469	Cost New 265 162 3,115 6,878 6,772 2,337 83,600	Depr. Cost 64,336	
X	Wood Sash Metal Sash Vinyl Sash Double Hung Horiz. Slide Casement Double Glass Patio Doors Storms & Screens	(8) Basement Conc. Block Poured Conc. Stone Treated Wood Concrete Floor		(14) Water/Sewer 1 Vent Fan							
(3) Roof	X Gable Hip Flat X Asphalt Shingle	Recreation Living Walkout Doors (B) No Floor SF Walkout Doors (A) Floor Support		Public Water Public Sewer Water Well 1000 Gal Septic 2000 Gal Septic Lump Sum Items:							
	Chimney: Vinyl	Joists: Unsupported Len: Cntr. Sbp:									
<p>Notes: ECF (MCCLATCHY'S &amp; GEHRINGER) 1.206 =&gt; TCV: 100,822</p>											

\*\*\* Information herein deemed reliable but not guaranteed\*\*\*



C/A

\*\*\* Information herein deemed reliable but not guaranteed\*\*\*

Building Type	Barn - Bank (2 Story) -		
Year Built			
Class/Construction	D, Frame		
Quality/Exterior	Low Cost		
# of Walls, Perimeter	4 Wall, 44		
Height	16		
Heating System	No Heating/Cooling		
Length/Width/Area	14 x 8 = 112		
Cost New	\$ 7,647		
Phy./Func./Econ. %Good	60/100/100 60.0		
Depreciated Cost	\$ 4,588		
+ Unit-In-Place Items	\$ 0		
Description, Size X Rate X %Good = Cost			
Itemized ->			
Unit-In-Place ->			
Items ->			
E.C.F.	X 1.000		
% Good	60		
Est. True Cash Value	\$ 4,588		
Comments:			
Total Estimated True Cash Value of Agricultural Improvements / This Card: 4588 / All Cards: 4588			



Livingston County Department of Public Health

Environmental Health Division
2300 E. Grand River Ave.
Howell, MI 48843
517.546.9858 \* 517.546.9853 FAX
co.livingston.mi.us/health

PERMIT #: WEL2004-01112
APPLIED: 9/8/2004
ISSUED: 9/9/2004
EXPIRES:

Well Permit

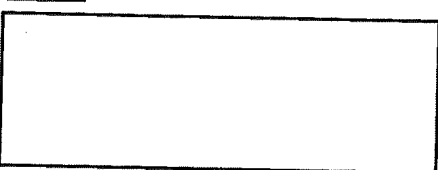
SITE ADDRESS: 1687 TRIANGLE LAKE RD
PARCEL NO.: 4710-27-101-004
TOWNSHIP: Marion Township
SUBDIVISION:
LOT/PARCEL:
DIRECTIONS:



OWNER

MARY E FINCH
1687 TRIANGLE LAKE RD
HOWELL MI 48843

BUILDER



CONTRACTOR

KELLER WELL DRILLING
5615 CHILSON RD
HOWELL MI 48843
PH1 810-227-2550

Environmental Sanitarian: Margaret McCliment

Issued Date: September 09, 2004

Project Description:

Information:

Type of Work: Replacement
Type of Water: Residential
Sewer Type: On-Site
Well First:

Livingston County Department of Public Health

Name: [Signature]
Date: 9-22-04

Special Requirements:

ALL WELLS MUST BE GROUTED ENTIRE LENGTH OF CASING AS PER RULE 134A AND 135 OF PART 127 AS AMENDED. FINAL WATER SUPPLY APPROVAL CONTINGENT UPON SUBMITTAL OF ACCEPTABLE: 1) BACT. ANALYSIS 2) PARTIAL CHEM/NITRATE ANALYSIS 3) WELL LOG, AND 4. WELL DRILLING NOTIFICATION. EXISTING WELL MUST BE PROPERLY ABANDONED ACCORDING TO R325.1662 -1665 OF GROUNDWATER QUALITY CONTROL, PART 127, ACT 368, P.A. 1978. INDICATE ON WELL LOG AS TO ABANDONMENT OF OLD WELL.

Bact: Nitrate
OK 11-17-04 MM

well log OK 9-9-04 MM
no pump installed
still need abandonment record

Environmental Sanitarian:

[Signature]

Date Finaled

10-9-06

Marion 27 1687 Triangle Lake Rd WEL2004-01112

Triangle Lake Rd

x

50'

x

dry well

5' surge lift pump

Septic Tank

House

1037

triangle  
lk rd

50ft

APPROVED

Livingston County Department  
of Public Health

Name Margaret McClinton

Date 10-9-07

well

Triangle Lake



Michigan Department of Environmental Quality

DWRP Laboratory Services - Drinking Water Lab  
USEPA Region V Drinking Water Lab Cert. No. MI00003  
P.O. Box 30270, Lansing, MI 48909-7770

TEL: 517/335-8184 FAX: 517/335-8562

Official Laboratory Report

Report To:

Mary Ellen Finch  
1687 Triangle Lake Road  
Howell MI 48843

Sample Number: B2005005026

Customer Number: 53541000

System Name/Owner: Mary Ellen Finch

Collection Address: 1687 Triangle Lake Road, Howell 48843

Collected By: Mary Ellen Finch

Twp/Sec/Well #: Marion/ ? /NEW

County: Livingston

Sample Point: OUTSIDE SPIGOT

Sample Kit #: 30

Chlorination: None

WSSN / Pool ID:

Source: Single Family

Site Code: 0401112

Collector: Private Citizen

Sample Date: 11/8/2004 11:00:00AM

Received: 11/9/2004 1:52:00PM

Purpose: Repair/Construction/New Well

Water System: Other

Test Result	Analyte Name	Tested	Limit MCL	Rpt Limit	Test Performed
Not Detected	COLIFORM ORGANISMS PER 100ml	11/9/2004			BPTC 19960701

Lab Comments:

None

**RECEIVED**  
NOV 16 2004  
LIV. CTY. HEALTH DEPT.



**WATER WELL AND PUMP RECORD**

Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.

Well ID: 4700024187

<b>Tax No:</b>	<b>Permit No:</b> 2004-01112	<b>County:</b> Livingston	<b>Township:</b> Marion
<b>Well ID: 4700024187</b> Elevation: 997 ft Latitude: 42.524562 Longitude: -83.935797	<b>Fraction:</b> NE 1/4 NW 1/4 NE 1/4	<b>Section:</b> 27	<b>Town/Range:</b> 02N 04E
	<b>French Claim:</b> W88N		
	<b>Distance and Direction from Road Intersection:</b> 1/2 MILE SOUTH OF RUBBINS ON TRIANGLE LAKE		
<b>Well Name:</b>			
<b>Well Owner:</b> Mary Ellen Finch			
<b>Well Address:</b> 1687 TRIANGLE LAKE ROAD HOWELL MI 48843		<b>Owner Address:</b> 1687 TRIANGLE LAKE ROAD HOWELL MI 48843	

<b>Drilling Method:</b> Rotary	<b>Pump Installed:</b> Yes	<b>Pump Installation only:</b> No
<b>Well Depth:</b> 110.00 ft	<b>Well Use:</b> Household	<b>HP:</b> 0.50
<b>Well Type:</b> Replacement	<b>Date Completed:</b> 9/8/2004	<b>Pump Type:</b> Submersible
<b>Casing Type:</b> PVC plastic	<b>Manufacturer:</b> Fairbanks-Morse	<b>Pump Capacity:</b> 10.00 GPM
<b>Casing Joint:</b> Welded	<b>Model Number:</b> 2fm52	<b>Id of Well:</b>
<b>Diameter:</b> 5.00 in. to 105.00 ft. depth 4.00 in. to 110.00 ft. depth	<b>Length of Drop Pipe:</b> 48.00 ft.	
<b>Bore Diameter 1:</b> 8.75 in. to 110.00 ft. depth	<b>Diameter of Drop Pipe:</b> 1.00 in.	
<b>Bore Diameter 2:</b>	<b>Draw Down Seal Used:</b> No	
<b>Bore Diameter 3:</b>	<b>Pressure Tank Installed:</b> Yes	
<b>Height:</b> 1.00 ft. above grade	<b>Pressure Tank Type:</b> Diaphragm/bladder	
<b>Casing Fitting:</b> None	<b>Manufacturer:</b> Champion	<b>Tank Capacity:</b> 32 Gallons
	<b>Model Number:</b> cm8003	
	<b>Pressure Relief Valve Installed:</b> No	
<b>Static Water Level:</b> 5.00 ft. Below Grade(Not Flowing)	<b>Formation Description</b>	<b>Thickness</b>
<b>Yield Test Method:</b> Air		<b>Depth to Bottom</b>
<b>Measurement Taken During Pump Test:</b> 5.00 ft. after 2.00 hrs. pumping at 25.00 GPM	Brown Sand	5.00
	Gray Clay	21.00
	Gray Sand	25.00
	Gray Clay	29.00
	Gray Sand	30.00
		110.00
<b>Abandoned Well Plugged:</b> Yes		
<b>Reason for not plugging Well:</b>		
<b>Abandoned well ID:</b>		
<b>Screen Installed:</b> Yes	<b>Well Intake:</b>	
<b>Filter Packed:</b> Yes		
<b>Screen Diameter:</b> 5.00 in.	<b>Length:</b> 5.00 ft.	
<b>Screen Material Type:</b> PVC-slotted		
<b>Slot:</b> 12.00 in. Set Between 106.00 ft. and 110.00 ft.		
<b>Blank:</b>		
<b>Fittings:</b>		
<b>None</b>		
<b>Well Grouted:</b> Yes	<b>Grouting Method:</b> Grout pipe outside casing	
<b>No. of Bags:</b> 8	<b>Additives:</b> None	
<b>Grouting Materials:</b> Bentonite slurry	<b>From:</b> 0.00 ft. to 103.00 ft.	
<b>Well Head Completion:</b> 12 inches above grade	<b>Geology Remarks:</b>	
<b>Nearest source of possible contamination:</b>	<b>Abandonment Details</b>	<b>Well Depth:</b> 20ft
<b>Type:</b> Septic tank	<b>Casing Diameter:</b> 1.25	<b>No. of Bags:</b> 0.25
<b>Distance:</b> 50.00 ft.	<b>Plugging Material:</b> Bentonite chips/pallets	
<b>Direction:</b> East	<b>Casing Removed:</b> No	
<b>Drilling Machine Operator Name:</b> RICH MINER	<b>Contractor Type:</b> Water well drilling contractor	
<b>Employment:</b> Employee	<b>Registration Number:</b> 1924	
	<b>Business Name:</b> Keller Well Drilling, Inc.	
	<b>Business Address:</b> 3766 Noble Dr., Brighton, MI 48116	
	<b>WATER WELL CONTRACTOR'S CERTIFICATION:</b>	
	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.	
	<b>Signature of Registered Representative</b>	<b>Date</b>
<b>General Remarks:</b>		
<b>OTHER REMARKS</b>		

EQP 2017C (2/2000)

**ATTENTION WELL OWNER: FILE WITH DEED**

9/8/2004 11:15