

# **ABOVE GROUND POOLS**

## **POOL HEIGHTS & ENCLOSURES MUST BE A MINIMUM OF 48” HIGH**

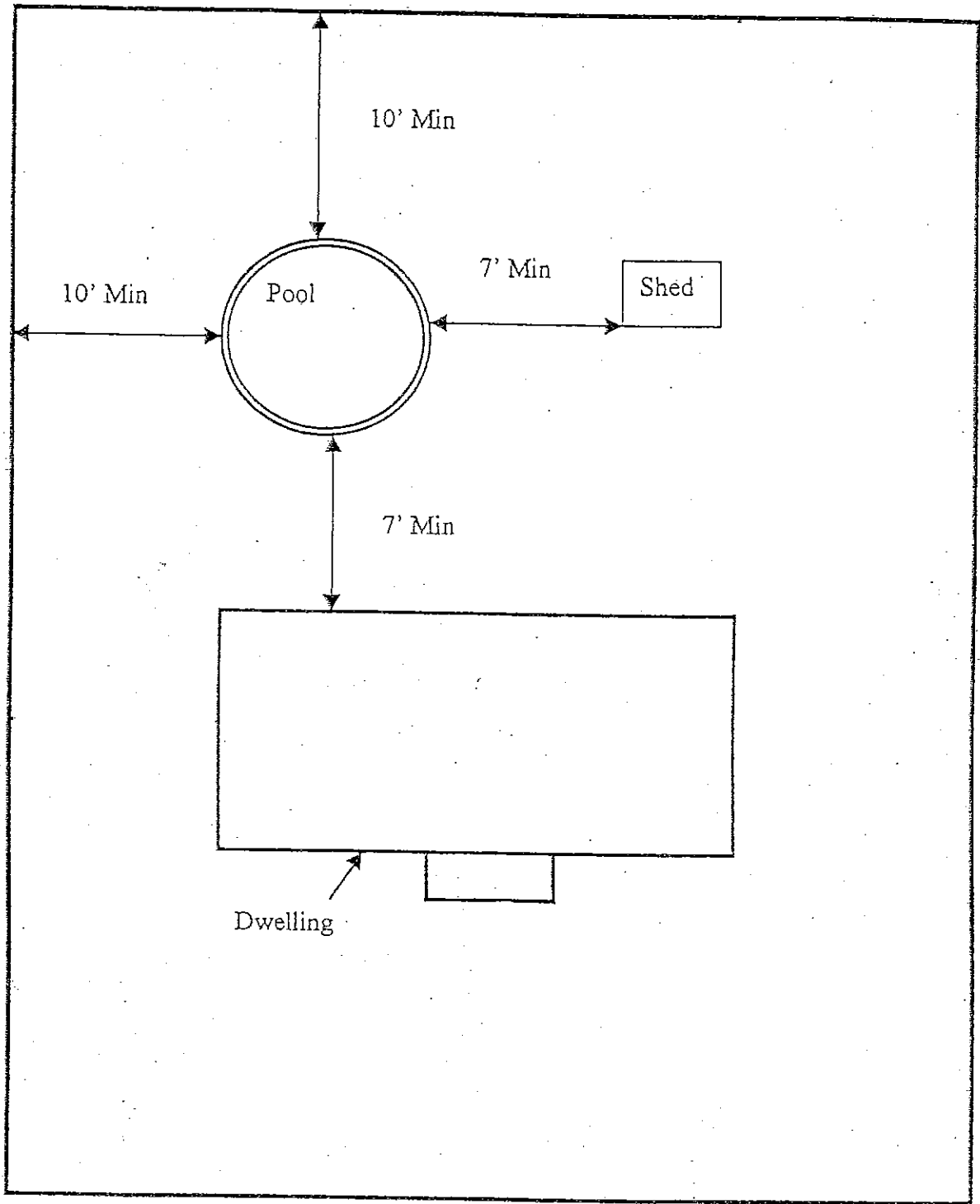
Private pools shall be permitted as an accessory use within the rear yard or side yard, providing they meet the following requirements:

- a) No swimming pool, or part thereof, shall be hereafter erected or constructed unless a building permit shall have been first issued for such work by the Township of Bedford Building Inspector. An electrical permit is required to cover the bonding and GFI protection.
- b) There shall be a minimum distance of not less than 10 feet between adjoining property lines, or alley right-of-way and the outside of the swimming pool wall. Side yard setback shall apply if greater than 10 feet.
- c) There shall be a distance of not less than 7 feet between the outside swimming pool wall and any building located on the same lot.
- d) No swimming pool wall shall be located less than 35 feet from any street right-of-way line or any existing dwelling unit on abutting property.
- e) No swimming pool shall be located in an easement.

**The pool shall be erected according to  
MICHIGAN BUILDING CODE 2006**

**The electrical for the pool shall be installed according to the  
NATIONAL ELECTRICAL CODE 2005**

INDICATE LOT DIMENSIONS ALL 4 SIDES  
ROAD NAMES IF LOCATED ON A CORNER LOT PARCEL



ROAD NAME IF ON A CORNER

ROAD NAME IF ON CORNER LOT

ROAD NAME

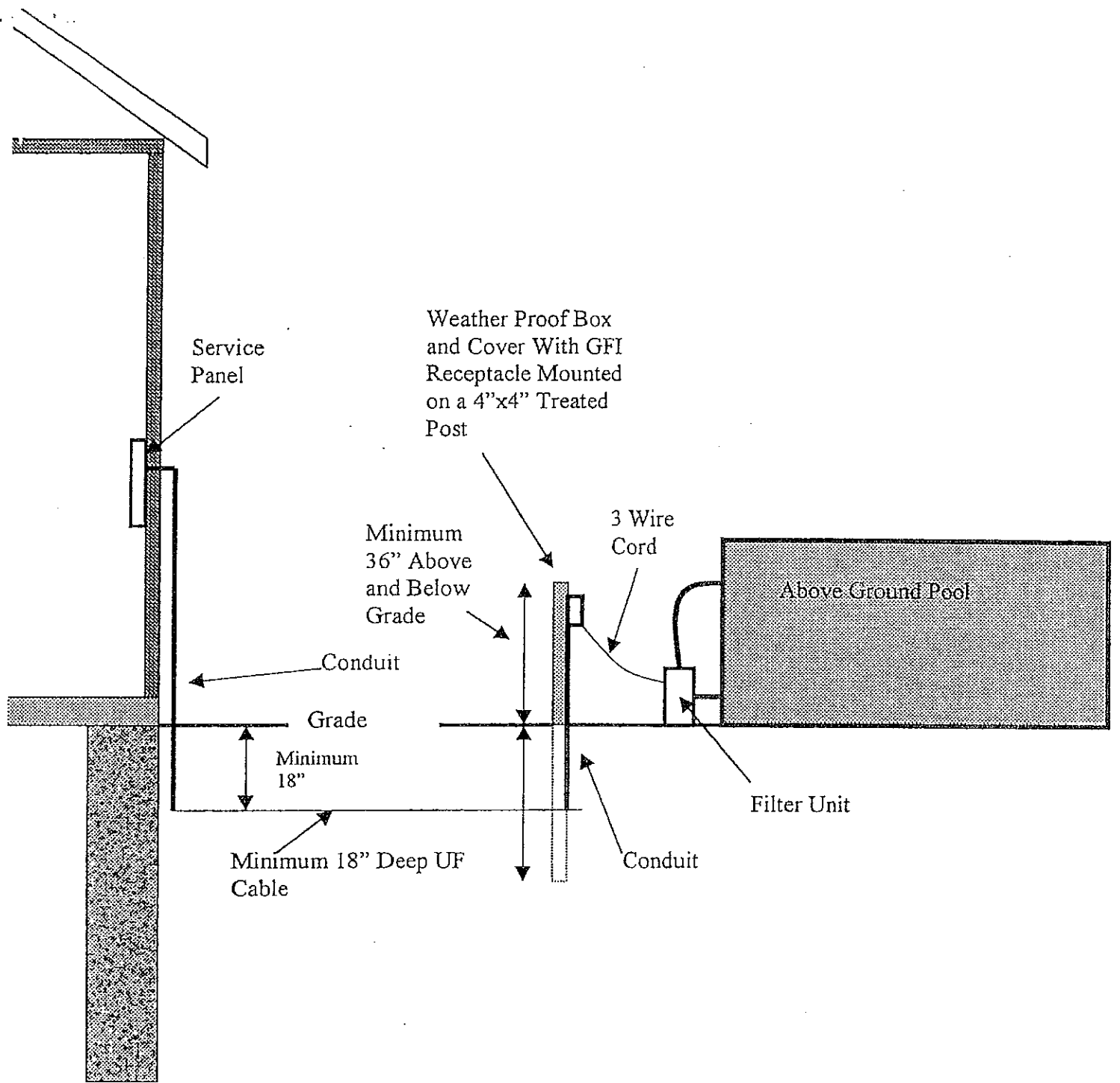
### Sample Plot Plan

PLOT PLAN MUST BE TURNED IN AS INDICATED IN THIS SAMPLE IN ORDER TO BE REVIEWED BY OUR BUILDING OFFICIAL  
NO SWIMMING POOL WALL SHALL BE LOCATED LESS THAN 35 FEET FROM ANY STREET RIGHT-OF-WAY OR ANY EXISTING DWELLING UNIT ON ABUTTING PROPERTY.

## **POOL REQUIREMENTS**

- 1) Any structure intended for swimming or recreational bathing that contains water over 24" deep requires a permit. The permit must be in hand before the installation of the pool.
- 2) With the application for a pool, we also need two (2) copies of the accurate site plan. The site plan should show the house location and also the pool location within the lot lines. An inground pool requires a 4 foot high fence, the location and specifications of the fence should also be addressed. All gates are to be of self-closing and self-latching with latch located on the inside of the fence. The fence is to protect the general public and the welded wire should be located on the outside of any split rail fence to avoid forming a possible ladder from outside the property. See a copy of the Building Code.
- 3) A plan review will be done and you will be contacted when the permit is issued.
- 4) An electrical permit is required for all pools. The bonding must be inspected before the pool is backfilled with dirt. A final electrical inspection will also check to insure the pool has been installed to the National Electric Code.
- 5) Inspections will be made and a compliance will be written when approved by the Building Inspector.

**INGROUND POOLS REQUIRE 48" ENCLOSURE. USE  
TEMPORARY FENCING PENDING PERMANENT FENCE.**



# APPENDIX G

## SWIMMING POOLS, SPAS AND HOT TUBS

### SECTION AG101 GENERAL

**AG101.1 General.** The provisions of this appendix shall control the design and construction of swimming pools, spas and hot tubs installed in or on the lot of a one- and two-family dwelling.

### SECTION AG102 DEFINITIONS

**AG102.1 General.** For the purposes of these requirements, the terms used shall be defined as follows and as set forth in Chapter 2.

**ABOVE-GROUND/ON-GROUND POOL.** See "Swimming pool."

**BARRIER.** A fence, wall, building wall or combination thereof which completely surrounds the swimming pool and obstructs access to the swimming pool.

**HOT TUB.** See "Swimming pool."

**IN-GROUND POOL.** See "Swimming pool."

**RESIDENTIAL.** That which is situated on the premises of a detached one- or two-family dwelling or a one-family townhouse not more than three stories in height.

**SPA, NONPORTABLE.** See "Swimming pool."

**SPA, PORTABLE.** A nonpermanent structure intended for recreational bathing, in which all controls, water-heating and water-circulating equipment are an integral part of the product.

**SWIMMING POOL.** Any structure intended for swimming or recreational bathing that contains water over 24 inches (610 mm) deep. This includes in-ground, aboveground and on-ground swimming pools, hot tubs and spas.

**SWIMMING POOL, INDOOR.** A swimming pool which is totally contained within a structure and surrounded on all four sides by walls of said structure.

**SWIMMING POOL, OUTDOOR.** Any swimming pool which is not an indoor pool.

### SECTION AG103 SWIMMING POOLS

**AG103.1 In-ground pools.** In-ground pools shall be designed and constructed in conformance with ANSI/NSPI-5 as listed in Section AG107.

**AG103.2 Above-ground and on-ground pools.** Aboveground and on-ground pools shall be designed and constructed in conformance with ANSI/NSPI-4 as listed in Section AG107.

### SECTION AG104 SPAS AND HOT TUBS

**AG104.1 Permanently installed spas and hot tubs.** Permanently installed spas and hot tubs shall be designed and con-

structed in conformance with ANSI/NSPI-3 as listed in Section AG107.

**AG104.2 Portable spas and hot tubs.** Portable spas and hot tubs shall be designed and constructed in conformance with ANSI/NSPI-6 as listed in Section AG107.

### SECTION AG105 BARRIER REQUIREMENTS

**AG105.1 Application.** The provisions of this chapter shall control the design of barriers for residential swimming pools, spas and hot tubs. These design controls are intended to provide protection against potential drownings and near-drownings by restricting access to swimming pools, spas and hot tubs.

**AG105.2 Outdoor swimming pool.** An outdoor swimming pool, including an in-ground, aboveground or on-ground pool, hot tub or spa shall be provided with a barrier which shall comply with the following:

1. The top of the barrier shall be at least 48 inches (1219 mm) above grade measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches (51 mm) measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above grade, such as an aboveground pool, the barrier may be at ground level, such as the pool structure, or mounted on top of the pool structure. Where the barrier is mounted on top of the pool structure, the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches (102 mm).
2. Openings in the barrier shall not allow passage of a 4-inch-diameter (102 mm) sphere.
3. Solid barriers which do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
4. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches (1143 mm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1.75 inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1.75 inches (44 mm) in width.
5. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches (1143 mm) or more, spacing between vertical members shall not exceed 4 inches (102 mm). Where there are decorative cutouts

within vertical members, spacing within the cutouts shall not exceed 1.75 inches (44 mm) in width.

6. Maximum mesh size for chain link fences shall be a 1.25-inch (32 mm) square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to not more than 1.75 inches (44 mm).
7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall not be more than 1.75 inches (44 mm).
8. Access gates shall comply with the requirements of Section AG105.2, Items 1 through 7, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches (1372 mm) from the bottom of the gate, the release mechanism and openings shall comply with the following:
  - 8.1. The release mechanism shall be located on the pool side of the gate at least 3 inches (76 mm) below the top of the gate, and
  - 8.2. The gate and barrier shall have no opening greater than 0.5 inch (12.7 mm) within 18 inches (457 mm) of the release mechanism.
9. Where a wall of a dwelling serves as part of the barrier one of the following conditions shall be met:
  - 9.1. The pool shall be equipped with a powered safety cover in compliance with ASTM F1346; or
  - 9.2. All doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and its screen, if present, are opened. The alarm shall sound continuously for a minimum of 30 seconds immediately after the door is opened and be capable of being heard throughout the house during normal household activities. The alarm shall automatically reset under all conditions. The alarm system shall be equipped with a manual means, such as touchpad or switch, to temporarily deactivate the alarm for a single opening. Such deactivation shall last for not more than 15 seconds. The deactivation switch(es) shall be located at least 54 inches (1372 mm) above the threshold of the door; or
  - 9.3. Other means of protection, such as self-closing doors with self-latching devices, which are approved by the governing body, shall be acceptable so long as the degree of protection afforded is not less than the protection afforded by Item 9.1 or 9.2 described above.
10. Where an aboveground pool structure is used as a barrier or where the barrier is mounted on top of the pool

structure, and the means of access is a ladder or steps, then:

- 10.1. The ladder or steps shall be capable of being secured, locked or removed to prevent access, or
- 10.2. The ladder or steps shall be surrounded by a barrier which meets the requirements of Section AG105.2, Items 1 through 9. When the ladder or steps are secured, locked or removed, any opening created shall not allow the passage of a 4-inch-diameter (102 mm) sphere.

**AG105.3 Indoor swimming pool.** All walls surrounding an indoor swimming pool shall comply with Section AG105.2, Item 9.

**AG105.4 Prohibited locations.** Barriers shall be located so as to prohibit permanent structures, equipment or similar objects from being used to climb the barriers.

**AG105.5 Barrier exceptions.** Spas or hot tubs with a safety cover which complies with ASTM F 1346, as listed in Section AG107, shall be exempt from the provisions of this appendix.

**SECTION AG106  
ABBREVIATIONS**

**AG106.1 General.**

ANSI—American National Standards Institute  
25 West 43rd Street, New York, NY 10036

ASTM—American Society for Testing and Materials  
1916 Race Street, Philadelphia, PA 19103

NSPI—National Spa and Pool Institute  
2111 Eisenhower Avenue, Alexandria, VA 22314

**SECTION AG107  
STANDARDS**

**AG107.1 General.**

**ANSI/NSPI**

ANSI/NSPI-3 Standard for Permanently Installed Residential Spas . . . . . AG104.1

ANSI/NSPI-4 Standard for Above-ground/On-ground Residential Swimming Pools. . . . . AG103.2

ANSI/NSPI-5 Standard for Residential In-ground Swimming Pools . . . . . AG103.1

ANSI/NSPI-6 Standard for Residential Portable Spas. . . . . AG104.2

**ASTM**

ASTM F 1346-91 Standard Performance Specifications for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs . . . . . AG105.2, AG105.5

**BEDFORD TOWNSHIP BUILDING PERMIT APPLICATION (2/00) TELEPHONE 734-847-6791**  
**FAX 734-847-3653**

PERMIT NO:		DATE:	
JOB ADDRESS:		LOT NO:	PARCEL NO: 58-02-
CONSTRUCTION TYPE: NEW    ADDITION    ALTERATION    ACCESSORY BUILDING    INDUSTRIAL    OTHER			
<b>DESCRIBE WORK</b>			
APPLICANT'S ESTIMATED COST OF CONSTRUCTION: \$		FLOOD PLAIN <input type="checkbox"/> YES <input type="checkbox"/> NO	

THE DETERMINATION OF VALUE OR VALUATION UNDER ANY OF THE PROVISIONS OF THE CODE FOR BUILDING PERMIT FEES SHALL BE MADE BY THE BUILDING OFFICIAL. THE VALUE OR VALUATION OF A BUILDING SHALL BE THE ESTIMATED COST TO REPLACE THE BUILDING IN KIND, BASED ON CURRENT REPLACEMENT COSTS. DETERMINATION OF VALUE FOR TAX PURPOSES IS MADE BY THE TOWNSHIP ASSESSOR.

ELECTRICAL CONTRACTOR		PLUMBING CONTRACTOR		HEATING CONTRACTOR		MASON	
OWNER			ADDRESS			PHONE	
CONTRACTOR			ADDRESS			PHONE	
LICENSE NO:	MESC NO OR REASON FOR EXEMPTION	WORKERS COMP INS CARRIER OR REASON FOR EXEMPTION		FEDERAL ID NO OR REASON FOR EXEMPTION			
EXP. DATE:							

**REQUIRED SUBMITTALS**

<input type="checkbox"/> 2 SETS OF CONSTRUCTION DRAWINGS FOR ALL PERMITS	<input type="checkbox"/> 2 SETS OF PLOT/ SITE PLANS FOR ALL PERMITS
<input type="checkbox"/> MONROE COUNTY ENVIRONMENTAL HEALTH WELL/SEPTIC PERMIT (IF NO SEWER/WATER)	<input type="checkbox"/> MONROE COUNTY ROAD COMMISSION DRIVEWAY PERMIT
<input type="checkbox"/> SOIL EROSION PERMIT OR ADDENDUM	<input type="checkbox"/> PAID SEWER/WATER TAPS

**NO CONSTRUCTION MAY BE STARTED WITHOUT A PERMIT**  
**APPLICANT IS RESPONSIBLE FOR REQUESTING ALL INSPECTIONS**  
**TELEPHONE (734) 847-6791 FAX (734) 847-3653**

BASEMENT YES___ NO___	BUILDING SIZE	HEIGHT	SQUARE FEET	STORIES
COST OF CONSTRUCTION:	PERMIT FEE:	PLAN REVIEW FEE:	TOTAL FEES:	

Section 23a of the state construction code act of 1972, 1972 PA 230, MCL 125.1523A, prohibits a person from conspiring to circumvent the licensing requirements of this state relating to persons who are to perform work on a residential building or a residential structure. Violators of section 23a are subjected to civil fines.

I hereby certify that I have read and examined this application and know the same to be true and correct. All provisions of the laws and ordinances governing this type of work will be complied with whether specified herein or not. The granting of a permit does not presume to give authority to cancel the provisions of any other state or local law regulating construction or the performance of construction.

SIGNATURE: \_\_\_\_\_ PRINT NAME \_\_\_\_\_  
 Contractor \_\_\_\_\_ Agent \_\_\_\_\_ Homeowner \_\_\_\_\_

**HOMEOWNER'S AFFIDAVIT**

I hereby certify the work described on this permit application shall be done by myself in my own home in which I am living or about to occupy. All work shall be installed in accordance with the state building code. All work shall be installed in accordance with the township of Bedford ordinances and shall not be enclosed, covered up, or put into operation until it has been inspected and approved by the township of Bedford Building Inspector. I will cooperate with the building inspector and assume the responsibility to arrange for necessary inspections 24 hours in advance.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

**MEMO**

**TO ALL APPLICANTS**

**REGARDING ABOVE GROUND POOLS**

IT IS NECESSARY TO PULL AN ELECTRICAL PERMIT FOR ALL ABOVE GROUND POOLS THAT WILL BE PLUGGED INTO A NEW ELECTRICAL CIRCUIT.

IF YOU HAVE AN EXISTING GFI THAT THE POOL WILL BE PLUGGED INTO, AN ELECTRICAL PERMIT WILL NOT BE NECESSARY.

**CONTRACTORS** – PLEASE HAVE THIS INFORMATION FOR US WHEN YOU APPLY FOR THE PERMIT.

**HOMEOWNERS** – PLEASE LET US KNOW IF YOU WILL NEED AN ELECTRICAL PERMIT WHEN YOU APPLY FOR THE BUILDING PERMIT.

**THANK YOU FOR YOUR COOPERATION!**