



## CHARTER TOWNSHIP OF PORT HURON

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# Swimming Pool Regulations For Single Family Homes and Mobile Home Parks

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Listed below is a summary of regulations for swimming pools, based on the current PHT Zoning Ordinance, Manufactured Home Park rules, and State of MI Residential Building & Electrical Codes

- **“Swimming Pool” Definitions** – any structure or container, located either below or above grade, designed to hold water to a depth of **greater than 24” (inches)**.
  - **Permanent Pools** – Pools meant to hold water over 42” that can be above or below grade. These are generally not meant to be taken down every year
  - **Storable Pools** - Pools that can hold water over 24” but not more than 42” that are commonly known as “Inflatable Pools” or any pools constructed of plastic, nonmetallic, molded polymeric walls or inflatable fabric walls regardless of dimension
  
- **General Setback Requirements for All Swimming Pools for Residential Homes**
  - All swimming pools, permanent or temporary, **may only be located in the “Rear Yard” area behind the house** and must also be located as follows:
    - A minimum of 5 feet from the side and rear lot lines, the principal building and any other detached accessory structure, or fence.
  
- **General Setback Requirements for All Swimming Pools in Manufactured Home Parks**
  - All swimming pools, permanent or temporary, **may be located in any yard allowed by the Park rules** and as long as they are also located as follows:
    - A minimum of 3 feet from the on-site residence and any detached accessory structure, fence, or property line on the same site.
    - A minimum of 10 feet from any adjacent main or accessory structure.
  
- **Compliance with the National Electrical Code edition currently enforced by the State of Michigan including the following:**
  - *An electrical permit will required to be applied for and must be updated, if the required connections are not already in place and/or they will not meet current minimum code requirements as listed bellow:*
    - **Permanent** above ground pools with side walls  $\geq 42$  inches high must have a 20 amp A/C only switch, with a weatherproof cover a minimum of 5’ from the pool and a 2<sup>nd</sup> GFCI general purpose plug a minimum of 10’ away and not more than 20’ away from the pool. Both must be fed on a single underground conduit line. (An additional electrical permit will be required for new electric installations).
    - **Storable** Pools, with side walls  $\geq 42$  in or nonmetal molded, or inflatable walls, regardless of size, must have a GFCI protected plug that the pool filter can be plugged into by means of a factory installed /approved 3 wire, grounded cord. The pool cannot be located closer than 6’ to any receptacle and any plugs within 20’ of the pool must be protected by ground fault connectors.
    - **In-ground pools** must comply with the specific requirements which are shown on the enclosed diagrams as well as the following:

- A minimum clearance from overhead lines of 22.5 feet to water, 14.5 feet in any direction from towers or diving platforms and a minimum 10 feet horizontally to any overhead lines or service drops.

➤ **General Building Code Requirements for All Swimming Pools**

<b>Comply with all requirements of the enclosure; Special Use and Occupancy, Barriers for swimming pools, including items 1 thru 10.</b>	
Where an above-ground pool structure (Min 48" high sidewall) is used as a barrier ... and the means of access is a ladder or steps as follows: The ladder or steps shall be capable of being secured, locked or removed to prevent access or the pool must be surrounded by a barrier as listed herein.	
Pools with side walls that are <b>not 48" high above grade or a deck</b> , must be <b>entirely</b> enclosed with a fence as outlined in the enclosed Zoning ordinance and <u>building code</u> sections prior to filling or using.	
1.	Minimum height of barrier $\geq 48"$ above grade with a maximum space at grade $\leq 2"$ .
2.	Openings shall not allow passage of a 4" sphere
3.	Solid barriers shall not be climbable
4.	Horizontal fence members closer than 45" apart must be on the pool side and have vertical members spaced less than 1 3/4" apart.
5.	Horizontal fence members $\geq 45"$ apart must have vertical members spaced less than 4" apart
6.	Chain link fences must $\leq 2 1/4"$ square unless slated at top & bottom to $\leq 1 3/4"$
7.	Diagonal fence such as lattice shall have openings $\leq 1 3/4"$
8.	Access gates must be self closing and self latching. The release must be located not less than 54 inches from the bottom of the gate or be at least 3 inches below the top of the gate with no openings greater than 1/2 inch, to reach the mechanism, within 18 inches of the mechanism.
9.	Where a wall of a dwelling is part of the barrier, provide alarms or restricted access
10.	Where above ground pools have structures mounted on top of the barrier, a removable ladder or additional barrier must be provided
<b>READ ENCLOSURES AND PROVIDE BARRIER &amp; SELF CLOSING GATES OR ALARMS ON DOORS Where the pool is directly accessible from a dwelling the door must have an alarm or other protection approved by the Township,</b>	

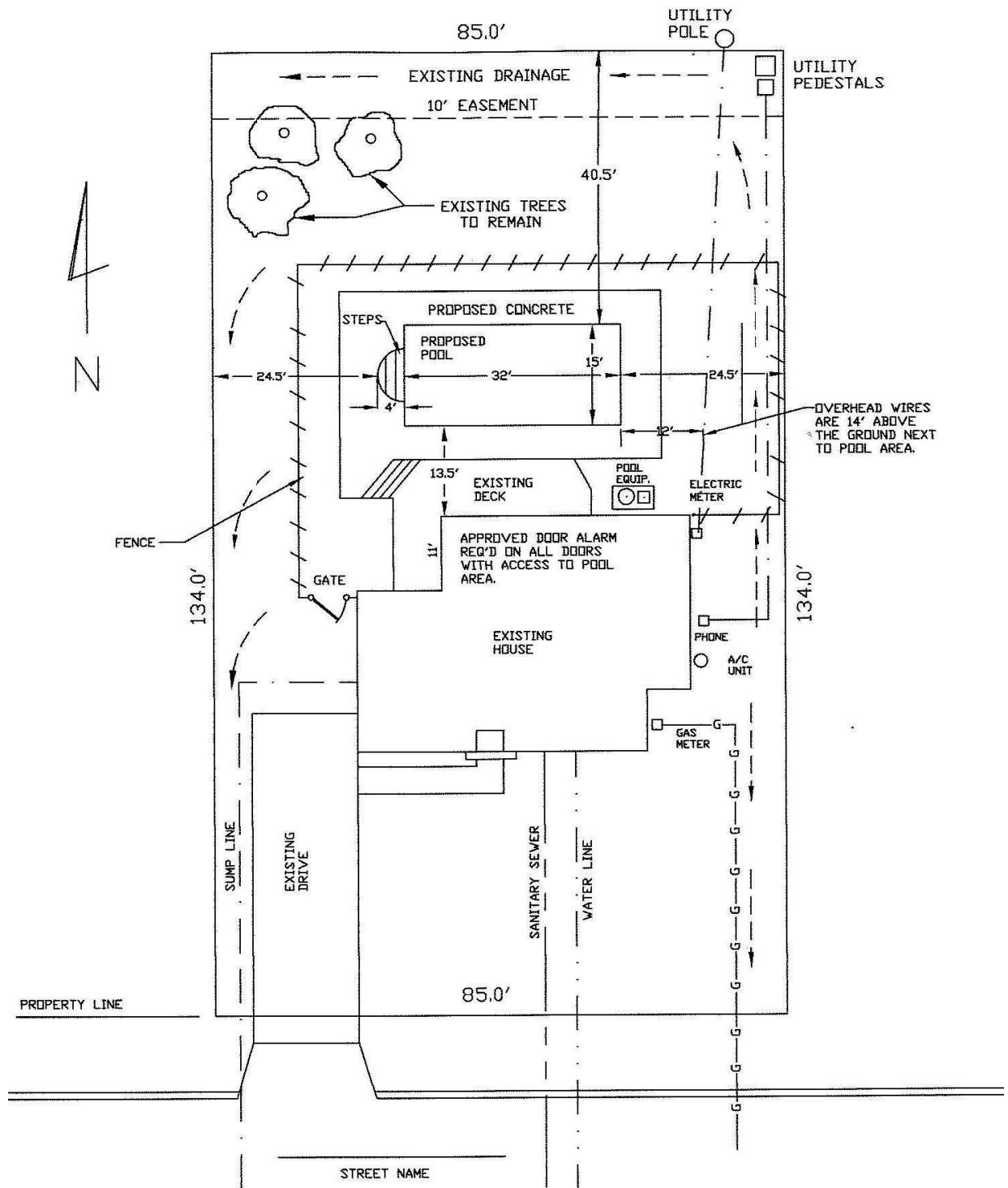
- Provide entrapment protection for swimming pool and Spa Suction Outlets per Section AG106
- Pool must be designed and constructed in conformance with ANSI-NSPI-5 as listed in Section AG108
- Always provide a temporary secured enclosure prior to filling the pool until the permanent enclosure is provided. Permanent fence enclosure is to be provided prior to use

➤ **Documents that must be submitted to the Port Huron Township Building Department**

- **A letter** from the Manufactured Home Park stating they are allowing the Accessory Structure and indicating that the application has been reviewed by the park and that the proposed setbacks comply with the Park requirements.
- **A completed PHT Building Permit Application** including the following:
  - **The size and type of pool** to be constructed including any specification sheets
  - **A scale drawing** of the property, including:
    - The size of the lot and all structures on it and immediately adjacent to it
    - The distances from each structure to each other and the pool.
    - The location of a 48" fence, which is required for pools with walls less than 48" high.
    - The size and type of Electrical connections that are, or will be provided, and the locations and the distances to each from the pool

Always call Miss Dig at 1-800-482-7171 at least 3 working days prior to any construction

Also included below are copies/samples of additional information/forms that may be helpful:

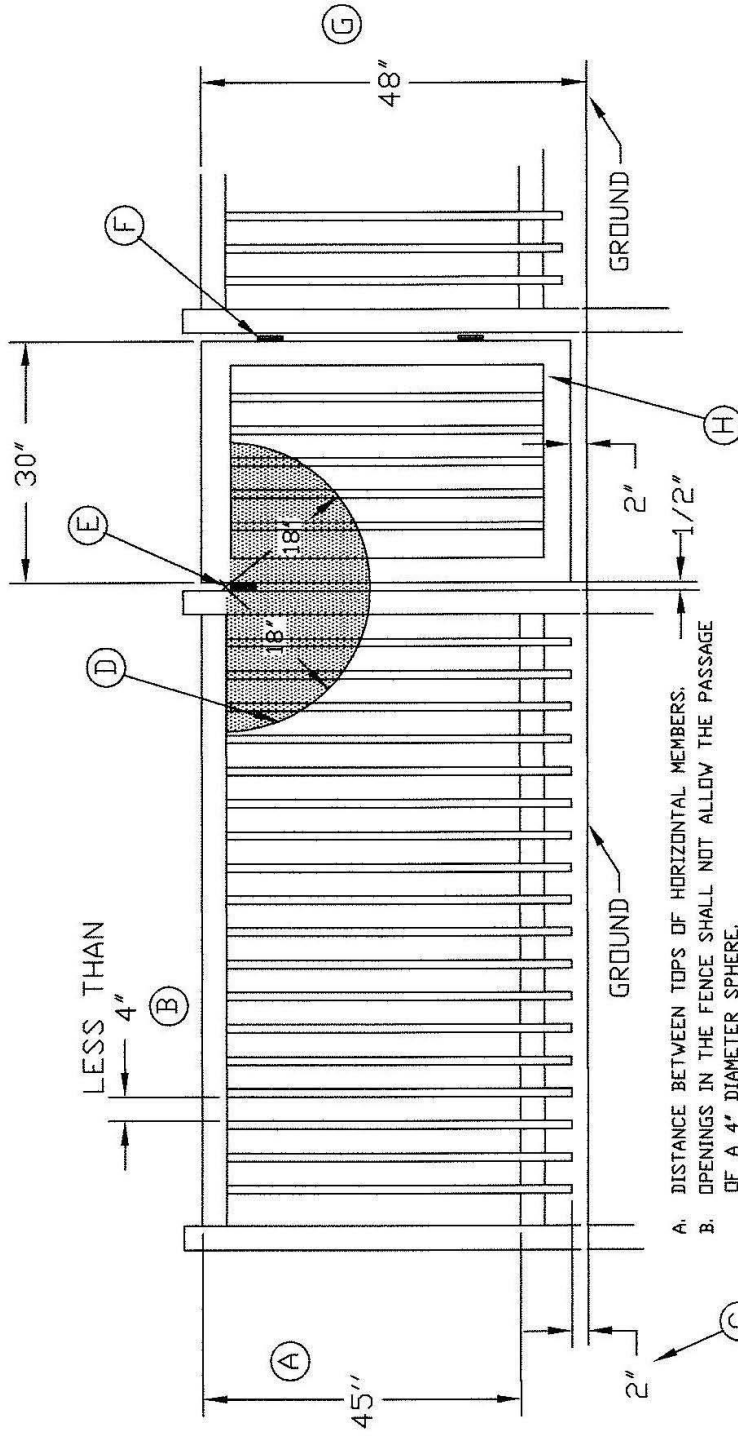


# SAMPLE PLOT PLAN

PRIVATE IN GROUND POOL

SHOW THE UTILITY LOCATIONS BOTH ABOVE AND BELOW GROUND.  
 SHOW THE LOCATION OF THE ELECTRIC METER, GAS METER AND A/C UNIT.  
 SHOW THE LOCATION OF THE WATER, SANITARY, AND SUMP LINES.

BUILDER: XYZ CONST.	
ADDRESS XXX	PHONE XXX
OWNER: RESIDENT	
ADDRESS XXX	PHONE XXX



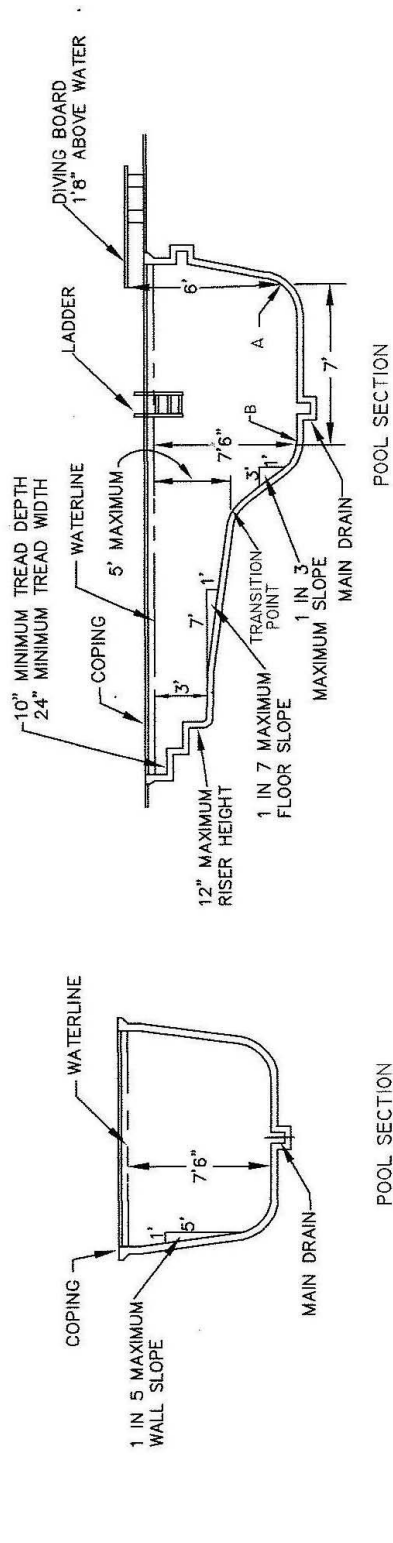
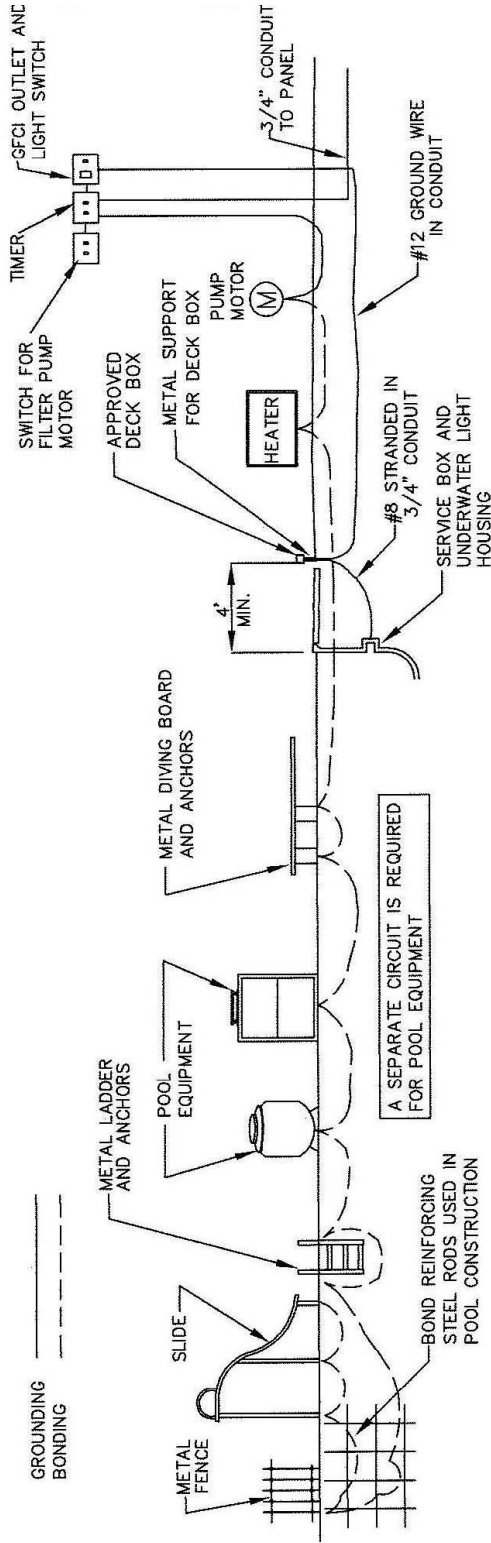
- A. DISTANCE BETWEEN TOPS OF HORIZONTAL MEMBERS.
- B. OPENINGS IN THE FENCE SHALL NOT ALLOW THE PASSAGE OF A 4" DIAMETER SPHERE.
- C. MAXIMUM SPACE BETWEEN BOTTOM OF FENCE AND GRADE.
- D. THE GATE AND FENCE SHALL NOT HAVE AN OPENING GREATER THAN 1/2" WITHIN 18" OF THE GATE RELEASE MECHANISM. (PLEXI-GLASS, TREATED PLYWOOD, ETC. CAN BE INSTALLED IN SHADED AREA TO MEET 1/2" MAXIMUM REQUIREMENT.)
- E. SELF-LATCHING DEVICE WITH RELEASE MECHANISM LOCATED ON THE POOLSIDE 3" BELOW TOP OF GATE.
- F. SELF-CLOSING GATE.
- G. HEIGHT OF FENCE ABOVE GRADE.
- H. GATE MUST OPEN OUTWARDS AWAY FROM POOL.

**SAMPLE FENCE & GATE DETAILS**

SCALE 1/2" = 1'

**ELECTRICAL BONDING AND GROUNDING:**

BONDING - #8 SOLID WIRE SHALL BE USED TO BOND ALL EQUIPMENT TOGETHER WITH APPROVED PRESSURE CONNECTORS.  
 GROUNDING - ALL ELECTRICAL EQUIPMENT LOCATED WITHIN 5' OF THE WATER'S EDGE MUST BE GROUNDED, I.E. JUNCTION BOXES, TRANSFORMERS, PANELBOARDS, WET AND DRY NICHE LIGHTS, MOTORS, ETC. ALL ELECTRICAL WORK MUST COMPLY TO SECTION E4101 OF M.R.C.



**ELECTRICAL GROUNDING AND POOL SECTION DETAILS**

NOT TO SCALE