

# Whiteford Township Pond Design Process & Requirements

Owner Name: \_\_\_\_\_  
Address : \_\_\_\_\_

<b>Ord. 44A-1 3.16.6 - Application and Approval Process</b>		<b>Y</b>	<b>N</b>	<b>N/A</b>
A	Developer and Applicant name, address and telephone numbers			
B	Project's engineer, surveyor, architect and contractor name, address and telephone numbers			
C	Brief description of the project and its proposed utilization			
D	A location map showing pond of the proposed pond as well as its relationship to roads, adjacent properties and structures within 100 feet of the property lines of the the parcel to contain the proposed pond, including the area of the parcel, the area of the portion to be graded, excavated or disturbed, and the area of the resultant pond			
E	Identification of all existing lakes, steams, open ditch drains, ponds, detention basins, water courses, flood plains, enclosed storm drains and sanitary drains, and any official wetlands as designated by the MDEQ or its successor organization			
F	Indicate the proposed construction schedule for the creation of said pond			
G	Indicate the profiles of the general types of soil at the pond site including evidence to demonstrate that the bottom of the proposed pond shall be no less than three feet above existing bedrock. Well logs from nearby sites and observations at a test excavation dug at the pond site may be used for this purpose			
H	The esitmated low water level, average water level and high water level in the proposed pond and a written description indicating how the water level will be maintained; also provide the basis of the determination of the estimated low, average and high water levels			
I	On any maps and plans, indicate the date, north arrow, scale and author's name, address and phone number			
J	The dimensions of all lot and property lines showing the relationship and distance of the proposed pond location to adjacent properties			
K	Provide the legal description and tax parcel numbers(s) of the parcel to contain the proposed pond			
L	Indicate the location and designation of all existing and proposed buildings, structures, drives, roads, streets, right-of-ways, easements, above ground and below ground utilities, poles, wells, septic tanks and leach beds, water lines and hydrants, sanitary and storm drains, culverts, manholes, catch			

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L	basins, trees, areas where livestock are kept, or any other structure or natural feature on the parcel to contain the proposed pond, and within 150 feet of the pond's perimeter, including the distance between the proposed pond and each structure, underground utility, or use			
M	Indicate the existing and proposed ground elevations with contour lines of no more than two feet intervals and/or such other topographic information satisfactory to the Township Planning Commission. Include all elevations of the parcel's lot corners and property lines			
N	A certified statement of the quantity of excavation and/or fill proposed			
O	The location and elevations of any proposed additional structures or development of the site, including, but not limited to, buildings, structures, driveways, deposit of spoils, and safety stations			
P	A description and location of all existing and proposed on-site drainage facilities, retaining walls, cribbing, anti-erosion devices, or other protective devices to be constructed in connection with or as part of the proposed work			
Q	The benchmark description and location used for establishing existing and proposed grades, based on United States geological survey datum			
R	An estimated total cost of the project			
S	Cross-section drawings of the pond indicating the depth, slopes, length, width, height or other grading of the pond and the placement of excavated spoils			
T	Such other information concerning the property and pond as may be deemed essential for determining whether the provisions of this Ordinance are being fulfilled and whether approval should be granted			
U	Provide proof of compliance with, or exemption or waiver from the provisions of the Soil Erosion and Sedimentation Control Act (PA 347 of 1972) being MSA Secection13.1820(1) et seq., as amended, the rules promulgated thereunder by the Water Resources Commission of the MDEQ and the Monroe County, Michigan, Resolution for Soil Erosion and Sediment Control adopted May 27, 1975, as amended, or any similar successor Act, Rules or Resolution if applicable. Submit a copy of any application and all submittals filed with the MCDCC and/or other appropriate enforcing agencies			
V	A statement as to the proposed method to be used to assure the pond's cleanliness, whether the proposed pond is to be stream, spring, surface runoff or well fed, and any other reasonable information requested by the Whiteford Township Planning Commission and/or its agents			
W	The design plans for the pond shall describe how vegetation will be promptly established on the spoil and bank areas and any other areas disturbed by the pond construction, including a time schedule for restoring the ground cover vegetation			

<b>3.16.7 - Pond Design Requirements</b>		<b>Y</b>	<b>N</b>	<b>N/A</b>
A	Excavation for ponds must be set back a minimum of 50 feet from all property lines, easements, utility right-of-ways, aboveground and underground utilities, and dwellings			
B	Excavation for ponds must be set back a minimum of 100 feet from any private septic tank and/or leach field system, water well, transportation right-of-way or areas in which livestock are kept			
C	The side slopes of a pond above water and to the depth of six feet below the estimated low water level, shall be such that they will be stable and shall not be steeper than three feet horizontal to one foot vertical for stone or clay banking and four foot horizontal to one foot vertical for sand banking. The side slopes of a pond more than six feet below the estimated low water level shall not exceed a slope of one foot horizontal to one foot vertical 45 degrees			
D	At least 20 percent of the pond area shall have a minimum water depth of eight feet or more at the estimated low water level			
E	At the estimated low water level, the surface area of the water in the pond shall not be less than one-third of the acre			
F	No earth matter or soil material excavated, graded or disturbed as a result of the construction of the pond shall be removed from the property			
G	All ponds shall have a safety station for each one-half acre or fraction thereof of the pond water surface when measured at the high water level, and each such safety station shall have an approved U.S. Coast Guard life ring with 100 feet of rope and a ten foot pole on a wooden post extending four feet above grade on which a deep water sign shall be mounted			
H	For the protection of the general public, the Whiteford Township Planning Commission shall determine what fencing or other protective devices shall be provided under the particular circumstances of the premises and the surrounding area, both while operations are being carried on and after completion thereof			
I	Excavation for ponds and resulting spoils shall not be performed or placed within the area of a designated 100-year flood plain			
J	The finished topography of the area surrounding the pond will be one that blends with the surrounding terrain. Surface drainage from adjacent properties shall not be impeded nor shall off-site drainage be increased			
K	Prior to pond plan review by the Whiteford Township Planning Commission, the Applicant shall obtain from the Monroe County Drain Commissioner's Office or other appropriate enforcing agency, a written waiver, exemption or a permit approving the proposed design and construction of said pond in accordance with the Soil Erosion and Sedimentation Control Act, (PA 347 of 1972) being MSA Section 13.1820(1) et seq. as amended, the rules promulgated thereunder by the Water Resources Commission of the Michigan Department of Natural Resources, and the Monroe County, Michigan, Re-			

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K	solution for Soil Erosion and Sediment Control adopted May 27, 1975, as amended, or any similar successor Act, Rules or Resolution			
L	An Applicant shall also design any pond and obtain a written permit or waiver from the Michigan Department of Natural Resources in conformance with 1. The Inland Lakes and Streams Act, (PA 346 of 1972), being MSA Section 11.475(1) et seq., as amended, or any similar successor Act, if the proposed pond is five acres or more in area or the pond will connect to or be within 500 feet of the ordinary high water mark of a lake or stream as defined in said Act; and 2. The Goemaere-Anderson Wetland Protection Act (PA 203 of 1979), being MSA Section 18.595(1) et seq., as amended, or any similar successor Act, if the proposed pond or resulting spoils will be placed in a regulated wetland			
M	Upon a request being made by the Applicant, any of the above design requirements of this Section 8 [Section 251.008], may be waived in the discretion of the Whiteford Township Planning Commission after a determination that the proposed waiver of any requirements will not be injurious to the zoning district or environs, contrary to the spirit and purpose of this Ordinance, incompatible with existing uses in the area, and would not be detrimental to the safety of the public or residents of the area			