

ZONING OFFICE

Government Center
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Trina Bergloff, Zoning Administrator/Solid Waste Officer
Holly Nelson, Deputy Zoning Administrator
Terry Lakin, Building Technician II/Interim Building Official
Dennis Ginter, Building Inspector
Michelle Coop, Zoning Administrative Assistant/Permit Technician
Darrick Wotachek, Wetland Specialist/Water Plan Coordinator

**SHORELAND ALTERATION PERMIT
WITHIN SHORELAND DISTRICT**

FEE: \$150.00 Date of Application_____

Permit No._____ Date Issued_____

Owner/Applicant:_____ Telephone #:_____

Mailing Address:_____

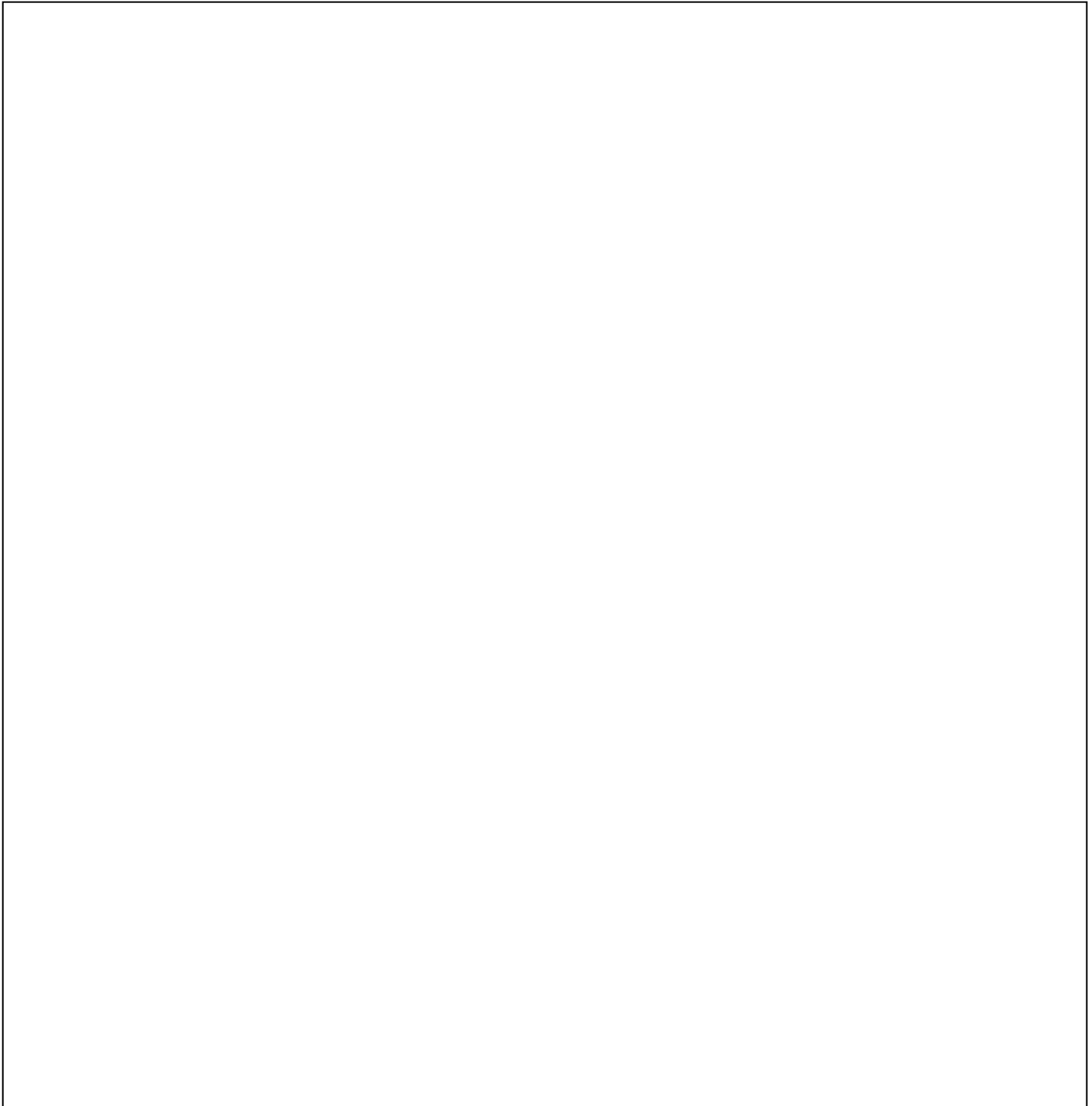
Legal Description:_____

Sec.____ Twp. ____ Range____ Twp Name_____

Project Description:

Grading and Filling Description:

Provide Project Sketch/Design*:



*Please describe or show distance from lake where project will take place or attach formal design. Zoning Office reserves the right to inspect property prior to approval of this permit for impervious surfaces standards, steep slopes, bluffs, or vegetative buffers. Properties close to 25% are subject to review, provide calculations on page 3 of application. If over 25% a variance approval is required prior to approval of this permit. Stormwater management plan may be required.

Signature of Applicant _____

Conditions of Approval: _____

Isanti County Zoning Administrator Approval

Date

Landowner / Parcel #: _____

Date: _____

Lot Impervious Surface Coverage & Landscaping for Stormwater Worksheet

Please use the table below to calculate your impervious surface coverage. Impervious coverage is limited to 25% of the total lot area. Calculate out all that apply to your situation. If a structure has odd dimensions or if using to size stormwater basins, multiple rows / sheets may be needed. If total imp. of irregular structure or driveway is known, just multiply by 1.

<u>Existing Structures</u>	<u>Length (ft)</u>	<u>Width (ft)</u>	<u>Total (in sq. feet)</u>
House, garage, shed Boathouse Greenhouse Other (Dog Kennel, etc.)	(ft) X	(ft) =	(sq ft)
	(ft) X	(ft) =	(sq ft)
	(ft) X	(ft) =	(sq ft)
	(ft) X	(ft) =	(sq ft)
	(ft) X	(ft) =	(sq ft)
<i>Driveways* & Landscaping:</i>			
Driveway*, Parking Area, Apron, Boat Ramp, Sidewalk, Patio, Paving Stones, Landscaping (incl. plastic), Other	(ft) X	(ft) =	(sq ft)
	(ft) X	(ft) =	(sq ft)
	(ft) X	(ft) =	(sq ft)
	(ft) X	(ft) =	(sq ft)
<i>Total Existing Impervious</i>			(sq ft)
<u>Proposed Structures</u>			
House, garage, shed Boathouse Greenhouse Other (Dog Kennel, etc.)	(ft) X	(ft) =	(sq ft)
	(ft) X	(ft) =	(sq ft)
	(ft) X	(ft) =	(sq ft)
	(ft) X	(ft) =	(sq ft)
	(ft) X	(ft) =	(sq ft)
<i>Driveways* & Landscaping:</i> <i>*Assumes a 12' wide driveway unless evidence to the contrary</i>			
Driveway*, Parking Area, Apron, Boat Ramp, Sidewalk, Patio, Paving Stones Landscaping (incl. plastic), Other	(ft) X	(ft) =	(sq ft)
	(ft) X	(ft) =	(sq ft)
	(ft) X	(ft) =	(sq ft)
	(ft) X	(ft) =	(sq ft)
<i>Total Proposed Impervious</i>			(sq ft)
Total Lot Area (sq. ft.) =	Total existing Impervious		= (sq ft)
	Total w/new Impervious		= (sq ft)
	% existing impervious		= %
	% w/new impervious		= %

Simple Calculator for Approximating Size of Stormwater Practice & Amount of Phosphorus Reduction:

Total w/ new impervious:			Storage volume: Gal / Cu ft (= gal / 7.48)		Bottom size (sq ft) of infiltration area by depth						
	x	0.623 / 0.083 Gal / Cu ft	=	Gal	Cu ft	cu ft x 4	cu ft x 2	cu ft x 1.33	cu ft x 1	cu ft x 0.8	cu ft x 0.57
Total exst imp	=	x	0.0000368	=	Existing phosphorous loading (lbs/yr)						
Tot w/new imp	=	x	0.0000368	=	Phosphorous reduction w/ stormwater mgmt						
For rain barrels, use this formula to determine size/amount needed:			Roof area (sq ft)	x	0.5625	=	Gallons generated from a 1" rain event				