

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:		Bottom size (sq ft) of infiltration area by depth						
			Gal / Cu ft (= gal / 7.48)		3"	6"	9"	12"	15"	18"	
	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 0.67
Total exst imp	=		x	0.0000366	=	Existing phosphorous loading (lbs/yr)					
Tot w/new imp	=		x	0.0000366	=	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		