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.

Existing Structures	Length (ft)		<u>Width</u> (ft)	<u>Total (in sq. feet)</u>					
	(ft)		(ft)		(sq ft)				
House, garage, shed	(ft)	Х	(ft)	=	(sq ft)				
Boathouse	(ft)	Х	(ft)	=	(sq ft)				
Other (Dog Kennel, etc.)	(ft)	Х	(ft)	=	(sq ft)				
	(ft)	Х	(ft)	=	(sq ft)				
Driveways* & Landscaping:									
Drivoway* Darking Area Aprop	(ft)	Х	(ft)	=	(sq ft)				
Boat Ramp, Sidewalk,	(ft)	Х	(ft)	=	(sq ft)				
Patio, Paving Stones,	(ft)	Х	(ft)	=	(sq ft)				
Landscaping (incl. plastic), Other	(ft)	Х	(ft)	=	(sq ft)				
	us	(sq ft)							
Proposed Structures									
	(ft)	Х	(ft)	=	(sq ft)				
House, garage, shed	(ft)	Х	(ft)	=	(sq ft)				
Boathouse	(ft)	Х	(ft)	=	(sq ft)				
Other (Dog Kennel, etc.)	(ft)	Х	(ft)	=	(sq ft)				
	(ft)	Х	(ft)	=	(sq ft)				
Driveways* & Landscaping:	*Assumes a 12' wide driveway unless evidence to the contrary								
	(ft)	Х	(ft)	=	(sq ft)				
Driveway*, Parking Area, Apron,	(ft)	Х	(ft)	=	(sq ft)				
Patio, Paving Stones	(ft)	Х	(ft)	=	(sq.ft)				
Landscaping (incl. plastic), Other	(ft)	X	(ft)	=	(sq ft)				
	(sq ft)								
			Total existing Impervious	=	(sq ft)				
			Total w/new Impervious	=	(sq ft)				
Iotal Lot Area (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)			E	Bottom size (sq ft) of infiltration area by depth 3" 6" 9" 12" 15" 18"						
	x	0.623 / 0.083 Gal / Cu ft	=	Gal		Cu ft	cu f	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	=		х	0.0000366	=	Existing phosphorous loading (lbs/yr)						os/yr)		
Tot w/new imp	=		х	0.0000366	=	Phosphorous reduction w/ stormwater mgm						er mgmt		
For rain barrels, use this formula to determine size/amount needed:Roof area (sq				a (sq ft)	x	0.56	25 =		G fre	allons ge om a 1" r	enerated ain event			