Landowner / Parcel #: Nolan 73020536 Date: 4/7/2022

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)		Width (ft)		Total (in sq. feet)
House, garage, shed Boathouse Greenhouse Other (Dog Kennel, etc.)	1 (ft)	X	1,320 (ft)	=	1,320 (sq ft)
	1 (ft)	X	400 (ft)	=	400 (sq ft)
	(ft)	X	(ft)	=	0 (sq ft)
	(ft)	X	(ft)	=	0 (sq ft)
	(ft)	X	(ft)	=	0 (sq ft)
Driveways* & Landscaping:					
Driveway*, Parking Area, Apron, Boat Ramp, Sidewalk, Patio, Paving Stones, Landscaping (incl. plastic), Other	(ft)	X	(ft)	=	0 (sq ft)
	(ft)	X	(ft)	=	0 (sq ft)
	(ft)	X	(ft)	=	0 (sq ft)
	(ft)	X	(ft)	=	0 (sq ft)
Total Existing Impervious					1,720 **(sq ft)**
Proposed Structures					
House, garage, shed Boathouse Greenhouse Other (Dog Kennel, etc.)	1 (ft)	X	120 (ft)	=	120 (sq ft)
	(ft)	X	(ft)	=	0 (sq ft)
	(ft)	X	(ft)	=	0 (sq ft)
	(ft)	X	(ft)	=	0 (sq ft)
	(ft)	X	(ft)	=	0 (sq ft)
Driveways* & Landscaping:	**Assumes a 12' wide driveway unless evidence to the contrary*				
Driveway*, Parking Area, Apron, Boat Ramp, Sidewalk, Patio, Paving Stones Landscaping (incl. plastic), Other	1 (ft)	X	600 (ft)	=	600 (sq ft)
	(ft)	X	(ft)	=	0 (sq ft)
	(ft)	X	(ft)	=	0 (sq ft)
	(ft)	X	(ft)	=	0 (sq ft)
Total Proposed Impervious					720 **(sq ft)**

Total Lot Area (sq. ft.) = 27,136	**Total existing Impervious**	=	1,720 **(sq ft)**
	Total w/new Impervious	=	2,440 **(sq ft)**
	% existing impervious	=	6.3 %
	% w/new impervious	=	9.0 %

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** 3"	6"	9"	12"	15"	18"
2,440	x	0.623 / 0.083 Gal / Cu ft	=	1,520 Gal	203 Cu ft	810 cu ft x 4	405 cu ft x 2	269 cu ft x 1.33	203 cu ft x 1	162 cu ft x 0.8	136 cu ft x 0.67

Total exst imp	=	1,720	x	0.0000366	=	0.06	**Existing phosphorous loading (lbs/yr)**	
Tot w/new imp	=	2,440	x	0.0000366	=	0.09	**Phosphorous reduction w/ stormwater mgmt**	

For rain barrels, use this formula to determine size/amount needed:	Roof area (sq ft)	x	0.5625	=	0	**Gallons generated from a 1" rain event**	