IMPERVIOUS AREA WORKSHEET

Public Works Department 701 Laurel St., Menlo Park, CA 94025 tel 650-330-6740



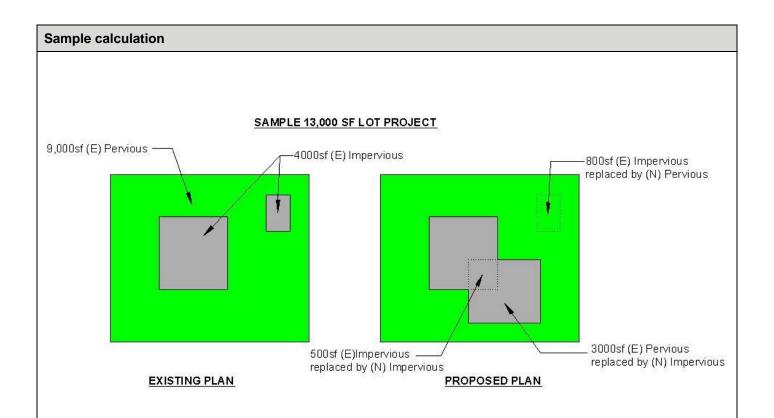
For new development and redevelopment projects

To comply with the City of Menlo Park Stormwater Ordinance 859 (Chapter 7.42) and the NPDES Permit issued by the California State Water Board, project applicants must report changes in impervious surface area resulting from their new development or redevelopment projects within the city. Therefore, all new project applicants shall complete this worksheet, submit it to Engineering for plan review and include the relevant data on the site design plans. Please include an exhibit showing the existing and proposed impervious/pervious areas.

Imperviousness refers to the inability of a surface to absorb water. Higher imperviousness causes more water to run off the surface. Imperviousness reduces the amount of ground water recharge and increases the amount of storm water flowing to local creeks and the Bay. Excessive stormwater causes erosion of creek banks and flooding. Storm water also carries pollutants normally found in pesticides, herbicides, engine oil, copper from brake dust, etc.

Impervious Surface is defined in this worksheet as any modified surface that reduces the land's natural ability to infiltrate or pass water into the soil. This includes any surface that causes storm water to run off in greater quantities than it would have under natural soil conditions given the same rain intensity.

Typical pervious and impervious surfaces				
Pervious Surfaces Impervious Surfaces	Pervious Surfaces Impervious Surfaces			
Lawn/Vegetal Cover Rooftops	Lawn/Vegetal Cover Rooftops			
Soil Compacted Soil or Aggregate	Soil Compacted Soil or Aggregate			
Sand Paved Walkways	Sand Paved Walkways			
Ponds Swimming Pools	Ponds Swimming Pools			
Streams/Creeks Patios	Streams/Creeks Patios			
Unpaved Gravel Driveways Asphalt/Concrete	Unpaved Gravel Driveways Asphalt/Concrete			
Pervious Concrete Permanent Structures	Pervious Concrete Permanent Structures			
Pervious Asphalt Sidewalks	Pervious Asphalt Sidewalks			
Permeable Pavers (Unit	Permeable Pavers (Unit			
*Permeable pavers are considered impervious if the underlying substrate is highly compacted soil or impermeable aggregate.				



Impervious area summary					
Total Area of Parcel		A 13,000 ft ²			
Existing Pervious Area		B 9,000 ft ²			
Existing Impervious Area		C 4,000 ft ²			
Existing % Impervious	(C/A) x 100	D <u>30.8 %</u>			
Existing Impervious Area To Be Replaced W/ New Impervious Area		E <u>500 ft²</u>			
Existing Pervious Area To Be Replaced W/ New Impervious Area		F <u>3,000 ft²</u>			
New Impervious Area (Creating and/or Replacing)*	E+F	G 3,500 ft ²			
Existing Impervious Area To Be Replaced W/ New Pervious Area		H <u>800 ft²</u>			
Net Change In Impervious Area *This area is required to be detained/retained on-site	F-H	l <u>2,200 ft²</u>			
Proposed Pervious Area	B – I	J <u>6,800 ft²</u>			
Proposed Impervious Area* *Verify that J + K = A	C+1	K 6,200 ft ²			
Proposed % Impervious	(K/A) x 100	L <u>47.7 %</u>			

Impervious area work	ksheet					
Submit this form with the	he improvement	plan set	to the City of Menlo Pa	ark Engi	neering Division	
Date:			APN:			
Property Address:						
Project Description:						
Contact Name:						
Contact Telephone Nu	mber:					
Contact Email:						
Title And Sheet# of Su	bmitted Drawing	g used Fo	or Calculations:			
Land Use (Check one)	:					
Residential	Commercial		Industrial Profes		sional	Roadway
Drainage Basin (Check	k one):					
Atherton Creek		San Fra	ancisquito Creek		San Francisco Bay	
I certify that the calc for the above project		accurat	ely reflect the propose	ed chan	iges and final ir	mpervious surfaces
Calculations Performed by (print):		Name:				
		Title:				
Calculations Performed by (signature):		Signature:				
		Date:				

Impervious area table		
Total Area of Parcel		Aft ²
Existing Pervious Area		Bft ²
Existing Impervious Area		Cft ²
Existing % Impervious	(C/A) x 100	D <u>%</u>
Existing Impervious Area To Be Replaced W/ New Impervious Area		E <u>ft²</u>
Existing Pervious Area To Be Replaced W/ New Impervious Area		Fft²
New Impervious Area (Creating and/or Replacing)*	E + F	Gft ²
Existing Impervious Area To Be Replaced W/ New Pervious Area		Hft²
Net Change In Impervious Area ¹	F-H	Ift²
Proposed Pervious Area	B – I	Jft ²
Proposed Impervious Area* *Verify that J + K = A	C + I	Kft²
Proposed % Impervious	(K/A) x 100	L%
¹ Net change in impervious area is the area required by		