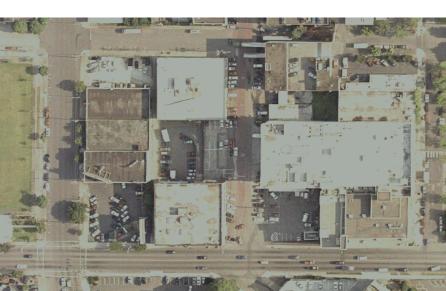
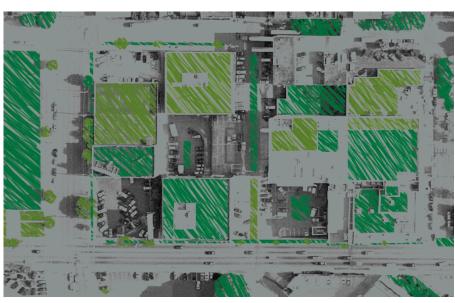
The Seattle Green Factor is a menu of landscaping strategies that is required for all new development in neighborhood business districts with more than four dwelling units, more than 4,000 square feet of commercial uses, or more than 20 new parking spaces. It is intended to increase the amount and quality of urban landscaping in dense urban areas while allowing increased flexibility for developers and designers to efficiently use their properties.

City of Seattle Ordinance 122311 requires the equivalent of 30% of a parcel in the commercial zones to be vegetated by using the Seattle Green Factor. The Green Factor encourages maximizing the "vegetation potential" of the rights-of-way through planting of layers of vegetation and larger trees in areas visible to the public. There are additional bonuses for rainwater harvesting and/or low water use plantings. Use of larger trees, tree preservation, green roofs, green walls and water features are encouraged by this requirement.









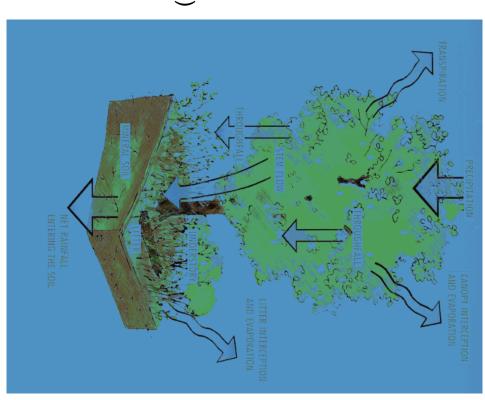
Pre-Settlement Conditions

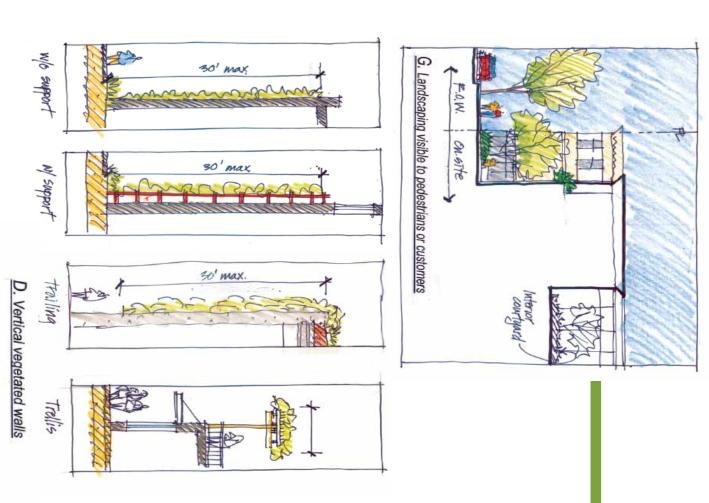
Historical Urban Development

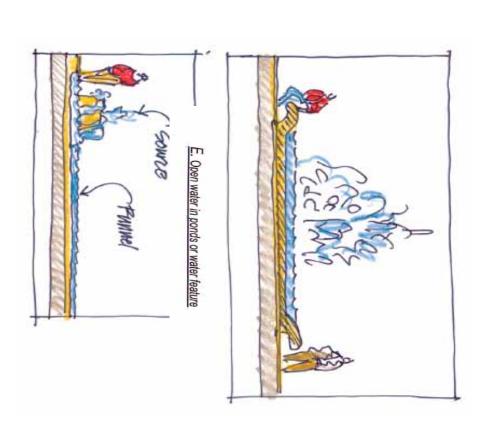
Urban Greening

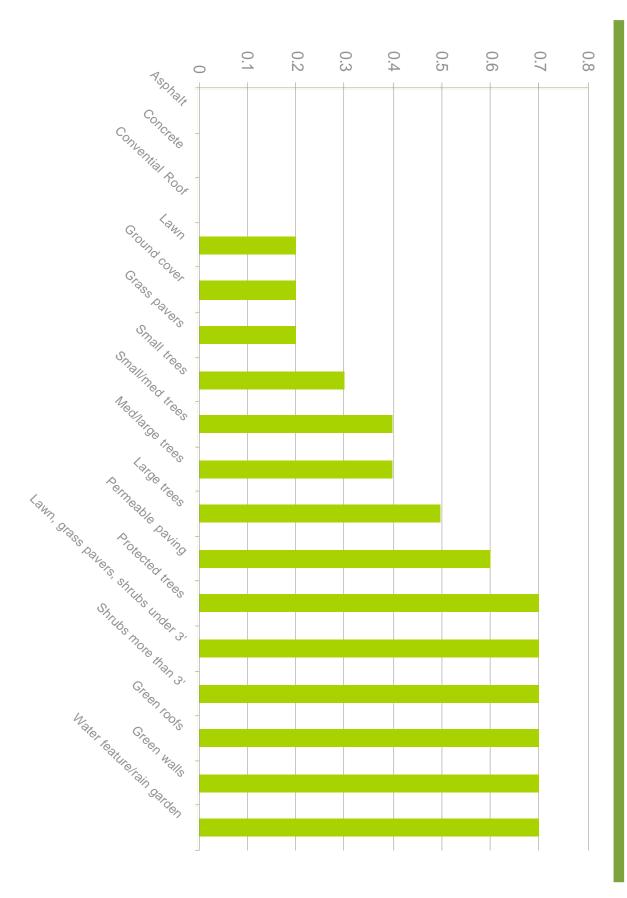
Landscapes are not just an aesthetic amenity

- Increase evapo-transpiration due to increase of surface
- Absorb carbon, release oxygen
- Capture urban dust/ help clean air
- Muffle sound reflectivity
- Provide habitat for birds and bees
- Increase property values
- Cool buildings with shade
- Cool cities urban heat island affect
- Insulate buildings
- Increase life of roof membrane (green roofs)
- Increase life of building cladding (green walls)











				enter sq ft			You need at least 0.300
	F	Parcel size*		4,000		SCORE	-
	Types of Area**				Square Feet	Factor	Total
Α	Vegetation planted with a soil depth of less than 24"						
1	Lawn or grass pavers or ground covers			l	enter sq ft 0	0.2	-
2	Plants and shrubs 3' and higher at maturity			I	enter sq ft 0	0.3	-
В	Vegetation planted with a soil depth of more than 24"						
1	Lawn, grass pavers or other plants less than 3' tall at maturity		enter	num ber ofplant	enter sq ft 0	0.7	-
2	Shrubs taller than 3' at maturity - calculated			0	0	0.3	-
	at 16 sq ft per plant (typically planted no closer than 18" on center)				•		
3	Tree canopy for "small trees" in SDOT's StreetTree Planting Schedule or equivalent canopy spread of 15' - calculated at 50 sqft per tree		enter	num ber ofplant 0	0	0.3	-
4	Tree canopy for "small/medium trees" in StreetTree Planting Schedule or equivalent canopy spread of 20' - calculated at 100 sqftper tree		enter	num ber ofplant 0	0	0.4	-
5	Tree canopy for "medium/large trees" in StreetTree Planting Schedule or equivalent canopy spread of 25' - calculated at 150 sqftper tree		enter	num ber of plant 0	s 0	0.4	-
6	Tree canopy for "large trees" in in StreetTree Planting Schedule or equivalent canopy spread of 30' - calculated at 200 sqft per tree		enter	num ber ofplant 0	s 0	0.5	-
7	Tree canopy for preservation of "exceptional trees" or trees with trunk diameter exceeding 24" at four and one half feet above the ground. calculated at 250 sq ftper tree		enter	num ber of plant 0	0	0.6	-
8	Permeable paving that drains only itself. It must be at grade and open to the public - calculated per square foot			!	entersqft 0	0.6	-
С	Green roots - 4" minimum soil depth			ļ	enter sq ft 0	0.7	-
D	Vegetated walls			İ	enter sq ft O	0.7	-
E	Water features (fountains) or rain gardens (where allowed by SPU)			į	enter sq ft 0	0.7	-
Bon	uses		SUD-	total of sq ft=	0		
F	Landscaping using drought tolerant plants, high efficiency drip irrigation, or where at least 50% of annual irrigation needs are met from non-potables	sources		fr	om Bonus Calculator 0	0.1	-
G	Landscaping visible to passers-by from adjacent public right of way or public open spaces			fr	om Bonus Calculator 0	0.1	-
						- ft ^	
					gree	n factorsq ft=	-
	*You may not count public rights of way in parcel size calculation. **To calculate your green factor score, you may count the land scape eleme contiguous with the parcel.	ents that are	in pu	blicrightsof	vay if they are		

		G	п	Bon	п	1 0	, ი	00	7	0	O1	4	а	2	_	Φ.	2	_	>	Ī	
* You may noteountpublic rights of way in parcel size calculation. ** To calculate your green factor score, you may countifie landscape elements thatare in public rights of way littley are configuous with the parcel.		Landscaping visible to passers-by formadjacent public right of way or public open spaces	Landscaping using drought blerantplants, high efficiency drip frigation, or where at bast 50% of annua lirrigation needs are met from non-potable sources	Bonuses	waar baaa aa guu ii ah aa ha ka aa ga k		Green roofs -4"minimum soll depth	Permeable paving that dain sonly itself. It must be at garde and open to the public-calculated persquare foot	The e canopy for preservation of "exceptional trees" or the es with trunk diameter exceeding 24" at 16 urand one half feet above the ground. calculated at 250 stift pertinee	Tee canopyforlarge trees'in in Steet Tree Planting Schedule orequivalent canopyspread of 30 - calculated at 200 sq ftper tree	The canopy for 'medium large trees' in Street The e Planting Schedule or equivalent canopy spread of 25'-calculated at 150 sq ft pertree	Tree canopyfor small/medium trees" in Street Tree Planting Schedule or equivalent canopy spread of 20" - calculated at 100 sq the pertree	Tee canopyfor'small trees'in SDOT's Street Tree Planting Schedule orequivalent canopy spead of 15' - calculated at 50 sq ft pertree	Shrubs tallerthan 3' at maturity-calculated at 16 sq.tperplant (typically planted no doserthan 18'on center)	Lawn, grass paversorotherplants less than 3' tall at maturity	Vege ation planted with a soil depth of more than 24"	Plans and shrubs3' and higheratmaturity	Lawn orgass paves org p und ω vers	Types of Area** Vege ation plants d with a soil depth of less than 24"	Parcels ize*	
natare in public rights of way if they are	orean factors a $t=$	0.1	.	subtotal of sq ft = 0 from Borus Calculator	0.7			0 0.6	onerson	0 0.5	offerrum ber of Hants	enternum bar of plants	order (sum here of plants	0 0.3 -	enerum ber of dans 0 0.7		entersoft 0.3	enersqft 0.2	Square Feet Factor Total	4,000 SCORE	SEATTLE × green factor
		open spaces withhore back of the projec	Countorly that vegetation which is visible	available from DPD), or by use of systems least 50% of the arrual infigation needs are high efficiency of the infrastrom any also countries.	This sub-bail of sqff campibe exceeded in the sub-backless of the	Enterthe squae fodage of alea to be under fodage of rain garden	be climbing or trailing on vertical surfaces vertical dimension must not exceed 30 nc CAM 122 for debals at http://www.cl.sc	as fucture that is at least one floor above the Forventical vegetated walls, measure held vegetated walls, measure held vegetated walls, measure held vegetated as a size of the size of t	Entersuare todag fradgade pennecide It and cannot be designed to accept other driving the sequence of the sequ	You can claim additional credit beyond B. 1 preserve larger frees already on site, or if ex- retained by SDOT.	You can claim additional cedt beyond B. peserve laiger tees already on site.	Processes larger tess already on site. You can climar additional credit byond B. i	The larger the tree attrnaturity, the larger the tree city and to maximize the vegetation po	addion to any credit you received for plant podestrian safety and visibility. SDOT discurded and a state of the safety and state of the safety and safety	Enter the number of plants that you will be Plantings 18" on-center are the maximum	than 5-years). Yourn ay also count any lar w ay in calculating your Seattle Green Fact	Enter the square footage of landscape areas maturity and where soil depths are at least touch withunderlying native soils. Vegeta	maluriy - and are NOT lawn, grass paves may count ground covers as well as larger	shallow soils due to underground structures Applies to any planting area where soil is i	way when calculating your parcel size. Way when calculating your parcel size. Applies to planting areas with less than 24 gound covers. This box will usually be use	This is your score. It is automatically calc

ulated by this worksheet as you entervalues

t parcel in this box. Do NOT count public rights of

less than 24" deep and plants are 3 or taller at , orground cover. Layering is encouraged, so you rishubs planted on these shallow solls. " of soil that only have lawn, glass pavers or ad for planters and at grade planting areas with

eas whee he malue vegetion is less than 3 at sest 34" dep. This will typically be landscapes in pation must cover or the area at malufly (no greater landscape impovements you do in the public rights of schorscoe.

be installing that are 3" ontailer at maturity, um density allowed in this calculation. This is in larting areas already calculated in B.1. For scourages sincbs that exceed three feet in public B.2 for canopy coverage for any trees you plant score. The intent is to encourage more trees in tential of the site. or B.2. for campy if you plant larger trees or orB.2. for caropy if you plant larger trees or

orB.2. for campy if you plant larger trees or or B. 2. for campy if you plant larger trees or ceptional trees in right of way are required to be

of 4" of soil. Green roofs are any plantings on top of a stylade building entrance. aving. Paving may only drain rain that falls upon inage unless otherwise authorized by Seattle Public

eight and width of area expected to be covered by ignature of licensed landscape architect. Plants may swift or willbut support. Maximum calculated ror encreach within City Lights afely setbacks. See seattle, was as Addur Publications /cam/cam 122 pdf

claiming credit for bonus scores below.

vaterat least nine months of the year-orsquare

flow water use or dought-bleamlplants (list ns designed forrainwater retention and reuse where at are met from non-podable sources. A reas sened by wint low ands this score.

to pedes trians in the public right of way or public

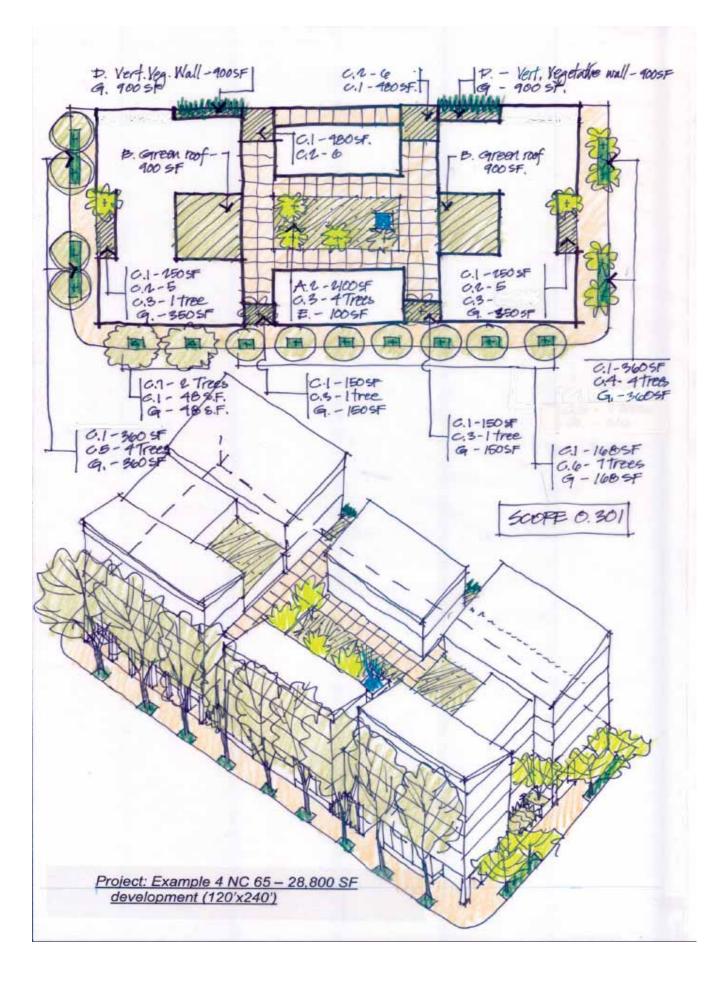


Bonus Worksheet and Calculator SECTION "F" and SECTION "G"

SEC	TION "F"		SQ FT	TOTAL	
F.1. a.	Rainwater Harvesting System Irrigated Area (SF) will require	nter SF of landscaping	900	7,435	gal/yr
b. c.	Roof and Tank sizing Roof area that will be har Storage Tank Capacity (G	•	1,000 1,000	2.702	20 a 1 / 10
	will provide	Must get at least	50% to get credit	3,783 51%	gal/yr
d.	Rainwater harvesting credit in SF (the automatically calculated if you get over 50%)			900	
F.2.	Drought-Tolerant Plants(SF)			500	
F.3.	High-Efficiency Drip Irrigation(SF)			750	
F.4	Total SF that counts towards Bonu	us - Section "F"		2,150	
SEC	TION "G"				
G.	Lanscaping Visible to Passers-by fro Public Right-of-Way of Public Access	-		7,500	

Notes:

- 1) You may enter any combination of Irrigated Area, Roof Collection Area, and Storage Capacity in the shaded blue cells of Section F.1. Your System Credit Area will be calculated automatically.
- 2) If you know your system parameters Roof Collection Area and Storage Capacity you can adjust the Irrigated Area until your score reaches 50%. That Irrigated Area is the quantity you can include in Bonus Section F of the "Seattle Green Factor" form.
- 3) If you know the maximum Irrigated Area for which you could potentially receive credit, you can adjust the Roof Collection Area and/or Storage Capacity to determine what combination is necessary to qualify for the credit on that maximum area.
- 4) Areas identified for Roof-Top Irrigation System, Drought-Tolerant Plant, High-Efficiency Drip Irrigation Credits must be separate areas of the parcel. Any area may only be counted once.



Seattle Green Factor

- Maximizes vegetation potential of right-of-ways and visible vegetation
- Rewards layering of plant material
- Rewards tree preservation
- Rewards larger canopy cover street trees
- Rewards low water use
- Rewards landscapes visible to public in right-of-ways
- Provides flexibility for developer to meet the code