

West Windsor Township Green Development Practices Checklist - Cover Sheet

February 14, 2019

Adopted by Environmental Commission

Development

Application Name:

Application #

Address (Location):

Street # and Name

Town & State

Address (Mailing):

Street # and Name

Town & State

Name & Title:

Print Name

Title

Person Completing
Checklist

X

Signature

Date

I (above) certify that the information provided herewith is true and accurate to the best of my knowledge.

The "Green Development Practices" are intended to function as "guiding principles" for all Site and Subdivision applications in West Windsor Township. Each applicant shall be expected to responsibly incorporate as many of these items, as practical, into the project design. The practices are offered as a checklist to enable flexibility to be progressive and innovative, since many of these practices are still being incorporated into the mainstream realm of the development industry. It is expected that these items will facilitate more sustainable development. Sustainable development seeks to balance environmental, economic and social aspects of a proposal such that the resultant neighborhood or business will be efficient in cost, impact and function. This list is not intended to be exclusive; incorporation of additional "Green Development Practices" similar to these items is strongly encouraged to help achieve the goal of making West Windsor Township a more sustainable community.

By incorporating this checklist into the Township plan submission checklist, developers will be encouraged to consider "Green Development Practices" with the genesis of the project program. Township staff will be using this checklist to review the "green" character of an application. Applicants will be asked to provide testimony and support documents to describe the actions or practices that will be incorporated into their proposal, including verification subsequent to implementation.

Attached Checklist:

6 pages

Cover Sheet

DEVELOPMENT APPLICATION NAME		DEVELOPMENT APPLICATION #			
1. Landscape					
	Item	YES	Describe how this practice will be implemented and the benefits	NO	Reason this practice can not be integrated into this project
a	Plants - Specify only indigenous plant species within 3,000 feet of the Township Greenbelt and elsewhere when possible. Completely avoid exotic invasive plant species. Township will offer guidance for species to avoid.				
b	Develop landscape and stormwater maintenance specifications that employ integrated pest management post-bond to assure implementation for five years after occupancy				
Total		2		0	

2. Water					
a	Construct drip landscape irrigation in lieu of spray systems and/or install soil water sensors to conserve irrigation water use.				
b	Maximize water efficiency – Use low flow fixtures for faucets, toilets and shower heads, dry fixtures, or occupant sensors.				
c	Use native, drought tolerant plants to reduce landscape watering				
d	Provide a system for recycling grey water (non-potable / landscape)				
Total		1		3	

3. Stormwater Management					
	Item	YES	Describe how this practice will be implemented and the benefits	NO	Reason this practice can not be integrated into this project
a	Design and construct 10% to 30% of parking lots with pervious pavements (eco-pavers, etc.). Consider pervious paver or pavement parking stalls and drive aisles where permitted by code.				
b	Utilize pervious materials for pedestrian sidewalks and paths.				
c	Develop innovative and progressive stormwater best management practices that embrace ecosystem-based, natural and sustainable versus artificial and high-maintenance means of treating storm water quality at the conceptual design phase (e.g., raingardens; bioretention swales / basins). Sand bottom basins are not considered sustainable since they are not ecosystem-based.				
d	Re-think stormwater management — do not think of stormwater as a by-product — manage stormwater as a resource. Implement stormwater harvesting elements such as collection of stormwater in cistern that is pumped into a building for water closet flushing, or into a water feature using solar-powered pumps.				
Total		3		1	

4. Energy					
	Item	YES	Describe how this practice will be implemented and the benefits	NO	Reason this practice can not be integrated into this project
a	Implement solar or other alternative energy generation systems for the building, or planned development. Goal: 20% electric energy generation from on-site sustainable sources.				
b	Lighting - Implement L.E.D. lighting technology for site lighting fixtures. Consider solar powered pedestrian scale lighting systems and signage. Install motion sensors & timers for lights.				
c	Energy Use Reduction – Building design promotes passive solar shading & natural daylighting. Implement green roof or light color roof surface. Specify energy efficient windows. Install high eff. HVAC. Install Energy Star compliant equipment & fixtures.				
d	Apply site planning techniques, from the W.W.Twp. high density housing ordinance - Site planning for climate & wind orientation siting building to promote energy conservation (e.g. max. south, solar building exposure, consider prevailing wind - reduce effect of cold winter wind & enhance cool summer breeze). Landscape design enhances conservation.				
Total		2		2	

5. Resources					
	Item	YES	Describe how this practice will be implemented and the benefits	NO	Reason this practice can not be integrated into this project
a	Specify and implement site furnishings, site improvement and exterior building materials that are manufactured locally - within a radius of 500 miles - Provide list of products and manufacturer location to be evaluated with resolution compliance				
b	Construction Waste Management - Divert construction, demolition and land clearing debris from landfill disposal. Recycle and or salvage at least 50 % to 75% (by weight) all construction, demolition and land clearing waste.				
Total		0		2	

6. Social					
a	Art - Implement indigenously inspired art in the landscape (sculpture — garden — mural/ relief — artistic site furnishing, etc.) - one application per building or per 300 residential units.				
b	Reduce Light Pollution - Eliminate all light trespass from the building & site.				
Total		0		2	

7. Transportation					
	Item	YES	Describe how this practice will be implemented and the benefits	NO	Reason this practice can not be integrated into this project
a	Bicycles - Bicycle friendly parking area and road design, including exclusive or shared marked bike lanes and crossings. Provide lockable bicycle parking and lockers and showers for employees to encourage biking to work. Multi family residences should have accessible bicycle storage areas.				
b	Pedestrian – Pedestrian friendly design, to encourage walking between buildings. Follow best practices in design including sidewalks, crosswalks, signs and safe access to parking lots and buildings.				
c	Public Transportation – Provide safe pedestrian and bicycle access to available nearby public transportation. Provide or work with transportation officials to provide a safe and dry waiting area for nearby public transportation.				
d	Electric vehicles – Provide electric vehicle charging stations with minimum Level 2 (240 volt) capability. Charging spots should be clearly marked as reserved for vehicles while charging only.				
Total		4		0	

8. Other Green Building Practices					
	Item	YES	Describe how this practice will be implemented and the benefits	NO	Reason this practice can not be integrated into this project
a	Other Green Building Practices that could be voluntarily implemented, exceeding building code requirements, to be listed for verification as part of code official review, but distinctly separate from the requirements of the building code review.				
b					
c					
Total		0		1	

THANK YOU