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Conformance with the following criteria shall be initialed in the spaces provided by a registered Connecticut Professional Engineer. If site conditions partially or completely prevent implementation of any specific criteria, documentation demonstrating technical infeasibility must be provided.

	Item #	Description	Verified	Technically Infeasible	Not Appilcable
Watershed	1.1	Development avoids sensitive natural resource areas and their buffers, including but not limited to: designated natural resource protection areas, riverfront buffers, steep slopes, wildlife habitats, and forests.			
	1.2	Development and redevelopment is within Simsbury Center or other areas designated to be compact and walkable, including developments utilizing the Simsbury Center Code, Planned Area Development Designation, or other cluster development designs, or other compact and walkable areas as determined by Town Staff in order to concentrate development and minimize total impervious area in the watershed.			
	1.3	Public open space and recreation areas are designed as Special Detention Areas per Stormwater Article Section 1.2C to provide both public use and neighborhood-scale stormwater mitigation.			
	1.4	Neighborhood planning within Simsbury Center follows the general principles established in the Simsbury Center Watershed Planning and Design Framework.			
Neighborhood	2.1	An existing conditions plan is provided documenting sensitive natural resources including existing wetlands, streams, ponds, vernal pools, flood zones, soil types and infiltration rates, steep slopes, treelines and trees 12" caliper and greater, septic tanks and fields, and natural topography.			
	2.2	Using the existing conditions plan as a guide, development is located to maximize preservation of contiguous natural sensitive areas.			

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	Item #	Description	Verified	Technically Infeasible	Not Appilcable
Neighborhood (continued)	2.3	Using the existing conditions plan as a guide, development and stormwater management systems are located such that centralized volume mitigation and flood control such as detention/retention basins, if required, is located towards the edges of compact development areas or in adjacent open space.			
	2.4	Community open space is sited in areas of well-draining soils, located in coordination with topography to receive stormwater runoff from new development, and designed as a Special Detention Area per Section 1.1.2C to provide neighborhood-scale stormwater infiltration and flood control.			
	2.5	Existing stands of mature trees are incorporated into the neighborhood and site design and preserved to the maximum extent practicable. Tree protection provisions are submitted as required by Landscaping Section 9.02.			
	2.6	Development is alley-loaded and/or incorporates parking lots sited behind buildings.			
	2.7	The neighborhood parking approach incorporates shared parking strategies, on-street parking, and centralized structured parking to minimize new impervious area.			

Green Streets	3.1	New thoroughfares and retrofit of existing thoroughfares meet Section 1.2B Water Quality and Quantity requirements.			
	3.2	Thoroughfare and driveway pavement widths are the minimum required to accommodate public safety and emergency access.			
	3.3	Rear lanes, alleys, emergency access lanes, on-street parking spaces, sidewalks, pedestrian and multi-use paths, and residential driveways are constructed of permeable materials using a section appropriate for structural and drainage requirements. In areas of poorly draining soils the permeable design may still provide water quality treatment as a "flow-through" condition with an underdrain.			

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	Item #	Description	Verified	Technically Infeasible	Not Appilcable
	3.4	Street tree design incorporates stormwater management practices such as tree box filters to filter and infiltrate stormwater runoff from adjacent impervious areas.			
	3.5	Street trees are provided with adequate soil volume and structural soil design to support long-term root growth and tree canopy without excessive impact to utilities or sidewalks.			
Site Design	4.1	Soil testing completed by a Certified Soil Scientist is enclosed, and development is planned such that new impervious surfaces are located on less permeable soils, maximizing preservation of undisturbed well-draining soils.			
	4.2	Infiltration BMPs are located in areas of well-draining soils.			
	4.3	Building roof downspouts discharge runoff to vegetated areas. Credit for Self-Treating and/or Self-Retaining Areas may be applied per the requirements of Section 1.1.2B.			
	4.4	Runoff from impervious paved surfaces is directed towards vegetated areas for natural filtration and/or infiltration before conveyance offsite or into the storm drainage system. Credit for Self-Treating and/or Self-Retaining Areas may be applied per the requirements of Section 1.1.2B.			
	4.5	Driveways are the minimum required to accommodate public safety and emergency access. (Residential driveways providing access to parking areas serving three residences or less should be a maximum of 10 feet wide where practicable)			
	4.6	Residential driveways serving three residences or less are shared wherever practicable.			
	4.7	When alleys are not utilized, "two-track" driveways are utilized for driveways serving three residences or less wherever practicable.			
	4.8	Tandem parking for single-family residential uses is incorporated wherever practicable.			

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	Item #	Description	Verified	Technically Infeasible	Not Appilcable
Parking Design	5.1	Preferably all new parking spaces, at least 50% of new parking spaces in excess of 10 parking spaces, and all parking spaces in excess of the amount required by this Ordinance shall be constructed of permeable materials with a minimum 8-inch crushed stone infiltration bed or as otherwise required by the Town Engineer. In areas of poorly draining soils the permeable design may still provide water quality treatment as a "flow-through" condition with an underdrain. All permeable pavement systems shall meet the requirements of Stormwater Article 1.2.B.7.			
	5.2	Signs marking permeable pavement and clearly listing applicable maintenance requirements shall be installed immediately adjacent to areas containing 5 or more permeable parking spaces, and a permeable pavement maintenance program shall be included as part of the Stormwater Operation and Maintenance Plan.			
	5.3	Parking lot islands and landscape buffer locations should be coordinated with topography and configured as depressed bioretention and/or natural swale systems.			
	5.4	Ten percent of parking spaces provided in excess of 10 spaces should be compact parking spaces.			
	5.5	Sites shall include bicycle racks allowing for a bicycle frame to be secured with at least two points of contact, See Parking Standards Section 9.01 for specific requirements.			

BMP Design	6.1	Stormwater BMPs are designed per the requirements of the Connecticut Stormwater Quality Manual, latest version, or using alternate design methods approved by the Town Engineer.			
	6.2	Stormwater BMPs for projects in Simsbury Center are selected according to transect zone and soil conditions per the BMP Selection Matrix Table.			
	6.3	Site landscaping design uses native plantings and xeriscaping strategies, and the area of ornamental lawn surface is minimized.			

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	Item #	Description	Verified	Technically Infeasible	Not Appilcable
BMP Design (continued)	6.4	Rain barrels, cisterns, and/or other rainwater harvesting techniques to reuse rainwater for irrigation and other non-potable uses are incorporated into the site design.			
	6.5	Qualifying trees, with appropriate soil volume, structural soils, and/or root barriers as required, are incorporated into the parking and landscape design as stormwater BMPs (see Tree Impervious Area Credit Section 1.2B).			
	6.6	An Erosion and Soil Sedimentation Control Plan conforming to the standards of Connecticut Guidelines for Soil Erosion and Sediment Control is included with the project design.			
	6.7	Water quality and infiltration BMPs incorporate appropriate pretreatment per the Connecticut Stormwater Quality Manual, latest revision, or alternate designs approved by the Town Engineer			

Maintenance	7.1	The site design accommodates maintenance access for all stormwater BMPs.			
	7.2	Stormwater Operation and Maintenance Plan is included.			
	7.3	Responsible Party for implementation, maintenance, and correction of stormwater treatment practices is designated including contact information.			