SITE ANALYSIS	
Background Site Factors	
Describe hydrologic context and other natural elements Chapter 93 stream use designation? Special Protection Waters (EV, HQ)?	
Fishery / Aquatic Life Use (WWF, CWF, T Any Chapter 303d/impaired stream listing classific	
Aquatic biota sampling?	the sum the sum of 0.0
Existing water quality sensitivities downstream (wa Location of any known downstream flooding?	ater supply source?)?
Includes any Special Areas?	-0
Such as Previously Mined AMD/AML areas Brownfields?	S?
Source Water Protection areas	
Urban Areas? Carbonate/Limestone?	
Slide Prone Areas	
Other	
Site Factors Inventory	Py preserved? e? berennial)? Group ratings?
Describe the size and shape of the site Special constraints/opportunities?	<u> </u>
Special site border conditions and adjacent uses?	
Describe the existing developed features of the site, if a	ny Z
Existing structures/improvements, structures to be	preserved?
Existing cover/uses?	0
Existing impervious areas? Existing pervious maintained areas?	
Existing public sewer and water?	
Existing storm drainage systems at/adjacent to site	e? D
Existing wastewater, water systems onsite?	
Describe important natural features of site	
Existing hydrology (drainage swales, intermittent, p	perennial)?
Existing topography, contours, subbasins?	. S
Soil series found on site and their Hydrologic Soil	Group ratings?
Areas of vegetation (trees, scrub, shrub)?	A
Special Value Areas? Wetlands, hydric soils?	
Floodplains/alluvial soils?	
High quality woodlands, other woodlands a	and vegetation?
Riparian buffers?	5
Naturally vegetated swales/drainageways?	,
Sensitive Areas?	
Steep slopes?	
Special geologic conditions (limestone?)?	
Shallow bedrock (less than 2ft)?	
High water table (less than 2ft)? PNDI areas or species?	
Site Factors Analysis	
Characterize the constraint-zones at site	
Avoid development on or near special and sensitive natural features	
Characterize the opportunity-zones at site	
Location of well-draining soils	
Location and quality of existing vegetation Has a Potential Development Area been defined?	
Does building program fit the constraints and oppo	ortunities of natural features?

Checklist summary for use with Site Planning and Design Procedure

Reduce road widths? Lengths? Utilize turnarounds? Cul-de-sacs with vegetated islands? Reduce driveway length and width? Reduce parking ratios? Reduce parking ratios? Reduce parking sizes? Examine potential for shared parking? Utilize porous surfaces for applicable parking features (overflow)? Design sidewalks for single-side street movement? Disconnect/Distribute/Decentralize Rooftop disconnection? Existing downgradient yard area opportunities? Existing downgradient vegetated areas/woods? Disconnection from storm sewers/street gutters? Front/side yard opportunities? Space for vegetated swales, rain gardens, etc.? Source Control Image: Space for store in the store	MUNICIPAL INPUTS	
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Space for vegetated swales, rain gardens, etc.? Source Control	-	
Source Control		
	Space for vegetated swales, rain gardens, etc.?	
Provisions for street sweeping? Other?	Source Control	

SITE DESIGN: STRUCTURAL BMPs	
Volume/Peak Rate Through Infiltration	
Porous Pavement with Infiltration Beds?	
Infiltration Basins?	
Infiltration Trenches?	
Rain Garden/Bioretention?	
Dry Wells/Seepage Pits?	
Vegetated Swales?	
Vegetated Filter Strips?	
Infiltration Berm/Retentive Grading?	
Volume/Peak Rate Reduction	
Vegetated Rooftops?	ž
Capture & Reuse:	AT
Cisterns?	<u>0</u>
Rain Barrels?	Į
Other?	
Runoff Quality/Peak Rate Reduction	ш.
Constructed wetland?	AS
Wet pond/retention basin?	Hd
Dry extended detention basin?	z
Water quality filters: Constructed and Other	DESIGN PHASE 1: MITIGATIVE
Sand and sand/peat?	Ш
Multi-chamber catch basins and inlets?	-
Other types?	
Other	
Level Spreaders?	
Special Detention Storage: Parking Lots, Other	
Site Restoration for Stormwater	
Riparian Buffer Restoration?	
Landscape Restoration Soil Amendment/Restoration	
Protocols	
Soil Testing	
Son resting Site Infiltration	
STORMWATER METHODOLOGY AND CALCULATIONS	
Iterative Process Occurring Throughout Planning and Design Practices to Max out	
Non-Structural and Structural Practices	NS
Use acceptable methods, such as Soil Cover Complex Method (TR-55) for calculations	01
Do not use Weighted Curve Numbers!	ALCULATIONS
Strive to:	L.
Minimize the pre to post development increase in Curve Numbers	LC
Maximize post-development Time of Concentration	CA
Assume "conservative" pre-development cover conditions (i.e., Curve Numbers) such as	SOTRMWATER C
"Meadow Good" or "Woods" for all pre-development pervious areas?	Ë
Respect natural sub-areas in the design and engineering calculations	٨A
Strive To Achieve Standards of Comprehensive Stormwater Management	NW X
No increase in volume of runoff, pre to post development, for up to the 2-yr storm	TR
No reduction in total volume of recharge, for up to the 2-yr storm	so
No increase in peak rate of runoff, small to large storms	
No increase in pollutant loading	
DEVELOP COMPREHENSIVE STORMWATER MANAGEMENT PLAN	
Has There Been Thorough Approach To Use of Both Non-Structural and Structural BMP's?	AN
If not, what non-structurals and structurals might be used?	PLAN
Should the building program be modified?	
What Related Benefits Are Being Achieved Through The Use of BMPs?	