

Example SITE PLAN REVIEW CHECKLISTS

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EXAMPLE Site Plan Review Checklists

1.0. INTRODUCTION

Property lines

Perennial and intermittent streams

Site design and plan review checklists provide general guidance for both the designer and plan reviewer. Many items listed on the checklists may not apply to any given design and it is therefore up to the designer to indicate items as "not applicable" or "NA" as appropriate. Similarly, the reviewer must be able to distinguish which items are required based on the local conditions or requirements and verify the status of those items. These checklists serve as a tool for providing the designer with the necessary information needed to develop an approvable plan, as well as for providing the program authority with a consistent plan review procedure.

2.0. EXAMPLE CHECKLIST FOR A PRELIMINARY STORMWATER MANAGEMENT SITE PLAN PREPARATION AND REVIEW

1. Applicant Information Initial/Preliminary Plan Submission Date _____ Project Name ____ Site Plan/Permit Number Site Address _____ Applicant Phone Number Applicant Legal Address Owner_____Phone Number _____ Principal Designer_____Phone Number____ General Contractor Phone Number 2. Plan Status _____ Approved Legend: Complete ____Not Approved ☐ Incomplete/Incorrect ☐ Not Applicable 3. Common address (with latitude and longitude coordinates or GPS position) and legal description of the site, including the tax reference number(s) and parcel number(s) of the property or properties affected. 4. Existing and proposed mapping and plans (recommended scale of 1" = 50', or greater detail), which illustrates the following at a minimum: North arrow Legend Vicinity map

__Existing and proposed topography (minimum of 2-foot contours recommended)

	EXAMPLE Site Plan Review Checklists Mapping of predominant soils from USDA soils surveys Boundaries of existing predominant vegetation, areas of the site to be protected from disturbance, and proposed limits of clearing and grading Location and boundaries of natural feature protection and conservation areas, such as wetlands, lakes, ponds, aquifers, public drinking water supplies, and applicable setbacks, etc.)
	Identification of any on-site or adjacent water bodies included on the Virginia 303(d) list of impaired waters
_	Current and proposed land use and location of existing and proposed roads, buildings, parking lots and other impervious areas
_	Location and description of any planned demolition of existing structures, roads, etc. Location of existing and proposed utilities [e.g., water (including wells), sewer (including septic systems), gas, electric, telecommunications, cable TV, etc.] and drainage and other easements
_	Preliminary estimates of unified stormwater sizing criteria requirements Preliminary identification and calculation of stormwater site design credits, if any apply Preliminary selection and location of stormwater control measures Location of existing and proposed conveyance systems, such as storm drains, inlets, catch basins, channels, swales, and areas of overland flow Flow paths
	Location of floodplain/floodway limits and relationship of site to upstream and downstream properties and drainages Preliminary location of all contributing drainage areas and points of stormwater
	discharge, receiving surface waters or karst features into which stormwater discharges, the pre-development and post-development conditions for drainage areas, and the potential impacts of site stormwater on adjoining parcels Note all critical areas on the plan, such as critical slopes.
5.	Hydrologic and hydraulic analysis, including the following:
_	A hydrologic analysis for the existing (pre-development) conditions, including runoff rates, volumes, and velocities, showing the methodologies used and supporting calculations
	A hydrologic analysis for the proposed (post-development) conditions, including runoff rates, volumes, and velocities, showing the methodologies used and supporting calculations
_	Hydrologic and hydraulic analysis of the stormwater management system for all applicable design storms Preliminary sizing calculations for stormwater control measures, including contributing
	drainage areas, storage, and outlet configurations Preliminary analysis of the potential downstream impacts/effects of the project, where necessary
6.	Preliminary erosion and sediment control plan that, at a minimum, meets the requirements outlined in the Virginia Erosion and Sediment Control Regulations and Handbook
7.	Preliminary landscaping plans for stormwater control measures and any site reforestation or revegetation
8.	Preliminary identification of waiver/exception requests

3.0. EXAMPLE CHECKLIST FOR A FINAL STORMWATER MANAGEMENT SITE PLAN PREPARATION AND REVIEW

1. Applicant Information					
Fir	nal Plan Submission Date				
Pr	oject Name				
Sit	te Plan/Permit Number				
Sit	te Address				
			Phone Number		
Αp	pplicant Legal Address				
Owner_			Phone Number		
Principal Designer			Phone Number		
			Phone Number		
2.	certification	and stamp of licensed	professional consultant and owner		
_	Plan StatusApprovedNot Approved	Legend:	Complete Incomplete/Incorrect Not Applicable		
4.	Common address an number(s) and parcel numbe		he site, including the tax reference properties affected.		
5 .	proposed development and environmental site design to relevant information pertaining #12 below), and a construction	d final site condition echniques and practicn ng to long-term mainter on schedule.	otion of current site conditions and ns, including proposed use of es, stormwater control measures, nance of these measures (see item tended scale of 1" = 50', or greater		
	detail), which illustrates the f				
	Property lines Perennial and intermittent Mapping of predominant s site-specific test bore hole identifying the hydrologic o installation of stormwater n	streams soils from USDA soils sur investigations that may h haracteristics and structure nanagement facilities	oot contours recommended) veys as well as the location of any nave been conducted and information ural properties of soils used in the diproposed limits of clearing and		

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Location and boundaries of natural feature protection and conservation areas (e.g.,
wetlands, lakes, ponds, aquifers, public drinking water supplies, etc.) and applicable
setbacks (e.g., stream buffers, drinking water well setbacks, septic drainfield setbacks,
building setbacks, etc.)
Identification of any on-site or adjacent water bodies included on the Virginia 303(d) list
of impaired waters
Current land use and location of existing and proposed roads, buildings, parking lots
and other impervious areas
Location and description of any planned demolition of existing structures, roads, etc.
Proposed land use(s) with a tabulation of the percentage of surface area to be adapted
to various uses, including but not limited to planned locations of utilities, roads, parking
lots, stormwater management facilities, and easements
Location of existing and proposed utilities [e.g., water (including wells), sewer (including
septic systems), gas, electric, telecommunications, cable TV, etc.] and easements
Earthwork specifications
Selection, location and design of both structural and non-structural stormwater control
measures, including maintenance access and limits of disturbance
Storm drainage plans for site areas <i>not</i> draining to any BMP(s)
Location of existing and proposed conveyance systems, such as storm drains, inlets,
catch basins, channels, swales, and areas of overland flow, including grades,
dimensions, and direction of flow
Final drainage patterns and flow paths
Location of floodplain/floodway limits and relationship of site to upstream and
downstream properties and drainage systems
Location of all contributing drainage areas and points of stormwater discharge,
receiving surface waters or karst features into which stormwater discharges, the pre-
development and post-development conditions for drainage areas, and the potential
impacts of site stormwater on adjoining parcels
Location and dimensions of proposed channel modifications, such as bridge or culvert
crossings
Final stabilization and landscaping plans
7. Hydrologic and hydraulic analysis, including the following:
Site map with locations of design points and drainage areas (size in acres) for runoff
calculations
Identification and calculation of stormwater site design credits, if any apply
Estimates of unified stormwater sizing criteria requirements
Time of concentration (and associated flow paths)
Imperviousness of the entire site and each drainage area
NRCS runoff curve numbers or volumetric runoff coefficients
A hydrologic analysis for the existing (pre-development) conditions, including runoff
rates, volumes, and velocities, showing the methodologies used and supporting
calculations
A hydrologic analysis for the proposed (post-development) conditions, including runoff
rates, volumes, and velocities, showing the methodologies used and supporting
calculations
Hydrologic and hydraulic analysis of the stormwater management system for all
applicable design storms
Pollution load and load reduction requirements and calculations

EXAMPLE Site Plan Review Checklists

	Final good engineering and sizing calculations for stormwater control measures, including contributing drainage areas, storage, and outlet configurations, verifying compliance with the water quality and water quantity requirements of the regulations Stage-discharge or outlet rating curves and inflow and outflow hydrographs for storage facilities
	Final analysis of the potential downstream impacts/effects of the project, where necessary
	Downstream analysis, where detention is proposedDam safety and breach analysis, where necessary
8.	Representative cross-section and profile drawings and details of stormwater control measures and conveyances which include the following:
_	Existing and proposed structural elevations (e.g., inverts of pipes, manholes, etc.) Design water surface elevations
	Structural details of BMP designs, outlet structures, embankments, spillways, grade control structures, conveyance channels, etc.
9.	Applicable construction and material specifications, including references to applicable material and construction standards (ASTM, etc.)
10.	Erosion and sediment control plan that, at a minimum, meets the requirements outlined in the Virginia Erosion and Sediment Control Regulations and Handbook
11.	Landscaping plans for stormw ater control measures and any site reforestation or revegetation
12. —	Operations and maintenance plan/agreement that includes the following: Name, legal address and phone number of the party or parties responsible for long-term maintenance activities Description and schedule of maintenance tasks
_	Identification/description of the source of funding to support maintenance activities Description of access and safety issues
_	Procedures for testing and disposal of sediments, if required Right-of-entry authorization for local government inspections/repairs, as needed
13.	Evidence of acquisition of all applicable local and non-local permits
14.	Waiver/exception requests
15.	Evidence of acquisition of all necessary legal agreements (e.g., easements, covenants, land trusts, etc.)
16.	Applicable supporting documents and studies (e.g., infiltration tests, geotechnical investigations, TMDLs, flood studies, etc.)
17.	Other required permits