Checklist for Joint Agency Review Stormwater Management / Erosion and Sediment Control

Project Name:			
		Plat:	ADC Map & Grid
Engineering Firm: _		Phone	Number:
Address:			
Owners Name:		Contract Purch	haser's Name:
and Final Stormwater deemed incomplete and PLAN SUBMITTALS appropriate plan scale minimum requirement issue approval letters p	Management / Erosion and Sedir d returned to the engineer. Pleas MUST BE FOLDED, SIGNED, S must be selected that is legible ar	ment Control Plee complete and a SEALED and sund easily interpret, justification nature and appro	
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	tion & Checklist for each		ted Application & Checklistfor each
☐ Applicable Fees D	uefor each Department	☐ Applical	ble Feesdue for each Department
☐ One (1) copy of fo for each Departme	lded plans (max size 24x36") nt	☐ One (1) ☐ Departm	copy of redline mark up plansfor each nent
☐ One (1) copy of the Department	e geotechnical report signed		One (1) copy of revised, foldedplans for each
•	red) (Department of Public	(max. size	e 24x36") (signed and sealed)
\Box One (1) copy of the	e Stormwater Management partment of Public Works and District)	Computa	copy of marked up Stormwater Management ations (Department of Public Works only) copy of revised Stormwater Management
() 13	e soils report (Department of Soil Conservation District only)	Computa only)	ations (signed and sealed) (Department of Public
	pports the design and describes l Site Design (ESD) will be		copy of the soils report (Department of Public Soil Conservation District only)
implemented to the	Maximum Extent Possible t of Public Works and Soil	and seale	copy of the geotechnical report signed ed (if required) (Department of Public Works only)
Control Design Con	e Erosion and Sediment mputations (Soil Conservation	Design C	copy of the revised Erosion and Sediment Control Computations (Soil Conservation District only)
District only) □ Preliminary and Fi	nal Forest Conservation Plan		ary and Final Forest Conservation Plan (Planning ing only)

Concept SWM/E&S Title Sheet (C-ESD-1)

CONCEPT PLAN INFORMATION	
☐ Vicinity Map (Site Location, North Arrow)	☐ Owner Information (Name, Address, Phone
☐ Tax Map, ADC Map and Grid	Number)
☐ Chesapeake Bay Critical Area Designation	☐ Developer Information (Name, Address,
☐ 100 year Flood Plain Designation	Phone Number)
☐ Site Analysis	☐ Engineer Information (Name, Address, Phone
☐ Total Site Area	Number)
☐ Total Area to be Disturbed	□ Legend
☐ Total Area to be Vegetatively Stabilized	☐ Sheet Index
☐ Total Area to Become Impervious	
☐ Estimated Cut Volume	
☐ Estimated Fill Volume	
CONCEPT PLAN SIGNATURE/CERTIFICATION BLO	
CSCD and Concept signature blocks (each a min. size	e of 2" x 4")
Engineer Concept Design Certification	
DPW Approval signature block	
Health Department signature blocks	
Planning and Zoning signature blocks	
Owner/Developer Certification	1.4
☐ Professional Certification w/license # and expiration	date
Note: A Title Sheet is not required for Concept Plan rev	view and approval Howaver all information enecified above
• • •	view and approval. However, all information specified above
• • •	view and approval. However, all information specified above
must be shown on the first sheet.	•
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☐ Existing Natural Features		
□ Streams		
☐ Forested Areas to be protected(Forest Retention Areas)		
□ Sensitive Features		
☐ Soil boundaries		
□ 100 year Flood Plain		
☐ Critical Area Limits and Delineations		
☐ Proposed Drainage Patterns		
□ Proposed impervious area (buildings, roads, parking lots, driveways, etc.)		
□ Location of all Sediment Control Structural Practices		
☐ Location of all proposed ESD practices with necessary protection practices		
 □ Limits of Disturbance □ Existing and Proposed Sewage Areas and wells 		
□ North Arrow		

□ Conceptual calculations to determine Stormwater Management requirements and the selection of Environmental Site Design practices. □ Conceptual calculations to determine Frosion and Sediment Control requirements and the selection of Environmental Site Design practices. □ Soils Reportwith limitations. □ Preliminary Geotechnical Report it will be the responsibility of the design engineer to determine the level of detail required within the geotechnical report to provide a feasible conceptual design and should provide details of the future study. Preliminary Plan – Minimum Plan Requirements Preliminary SWM/E&S Title Sheet (P-ESD-1) PRELIMINARY PLAN INFORMATION □ Information required on the Concept SWM/E&S Plan □ Unified Sizing Criteria Chart □ Overall Sequence of Construction PRELIMINARY PLAN SIGNATURE/CERTIFICATION BLOCKS □ CSCD and Preliminary signature blocks (each a min. size of 2" x 3") □ Engineer Preliminary signature blocks □ Planning and Zoning signature blocks □ Planning and Zoning signature blocks □ Planning and Zoning signature blocks □ Preliminary SWM/E&S Plan Sheet(s) (P-ESD-2 to P-ESD-?) PRELIMINARY EXISTING CONDITIONS DRAINAGE AREA PLAN (1:50 scale min.) □ Label Copographic contours (1-2' contours) □ Drainage area in acres and properly labeled □ Delineate all drainage areas with all proposed points of discharge □ Show all sediment control structures □ Drainage area to sediment controls delineated in areas and properly labeled PRELIMINARY INTERMEDIATE CONDITIONS DRAINAGE AREA PLAN (if applicable – 1:50 scale min.) □ Labeled Topographic Contours (1-2' contours) □ Drainage area in acres and properly labeled	Concept Stormwater Management Computation R	equirements					
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☐ Show all environmental site design practices properly labeled and quantity control structures	Show all environmental site design practices	properly labeled					

☐ Slopes greater than 25% PROJECT PRELIMINARY PLAN (1:50 scale min.) ☐ Allinformation shown on the approved Concept SWM/E&S plan ☐ Sequence of Construction explaining the Utility/Access Construction and the Single Lot Construction/Disturbances w/ time estimates) ☐ *Utility/Access Development Sequence of Construction* ☐ Single Lot Development Sequence of Construction ☐ Exact impervious area locations ☐ Existing contours at 1-2' intervals ☐ Proposed contours at 1-2' intervals ☐ Proposed stormwater conveyancesystems ☐ Detailed location of all Environmental Site \Box ditches Design practices \square storm drain inlets and pipe ☐ Location of all borings ☐ Property lines and names of adjacent property owners ☐ All required easements ☐ Location of the proposed limit of disturbance ☐ Locations of existing wells and septic ☐ *forested areas to be protected* that are 100' from any property line \Box infiltration areas to be protected ☐ Proposed wells, septic reserve areas, tanks, ☐ Show proposed location of all water mains, sewer mains and pump tanks, and percolation holes septic structures □ North Arrow □ location of all borings (embankment, structure, center ☐ Structural Practices (if proposed) of facility) \square existing and final contours (1-2' intervals) □ *outflow pipes, outlet protections, outfall channels* \square *location of riser structure* \square *low flow orifices/pipes* □ downstream property owners, property lines □ *embankment stationing* ☐ emergency spillway and outlet channel \Box fences and gatelocations \Box infiltration trench dimensions □ easements \square access ramp (max. slope 5%) □ *sediment control structures (if applicable)* □ *sediment control elevations (if applicable)* ☐ Exact locations of all sediment controls □ 100 yr Floodplain delineated ☐ Chesapeake Bay Critical Areas delineated □ Q10 and V10 at the outfall of all swales, ditches, and culverts ☐ Stockpile locations delineated (15' max.) ☐ Construction Staging Area(s) Delineated ☐ Topography to a defined outfall channel ☐ Existing and proposed tree lines PRELIMINARY LOT GRADING PLAN (1:50 scale min.) ☐ Existing and proposed contours (1-2' contours) ☐ House and driveway location ☐ Driveway slope ☐ Finished floor elevation ☐ Drainage flow arrows ☐ Utility locations/well locations ☐ Septic reserve areas PRELIMINARY ADDITIONAL NOTES AND DETAILS ☐ Detailed sequence of construction for each nonstructural/structural bmp ☐ Best Management Practices cross section □ existing and proposed contours \square soil or stone specifications ☐ *filter fabric specifications* □ monitoring wells □ *bypass structure* □ horizontal and vertical dimensions □ water surface elevations ☐ Water Quality Swales □ cross section □ ground cover specifications ☐ Ponds and Underground Retention Structures \Box cross sections of dam and proposed grade ☐ Existing and proposed grade ☐ Structural/material specifications ☐ *Top of unsettled embankment* ☐ *Top of settled embankment* ☐ Cut off trench ☐ *Impervious core trench* ☐ *Riser structure elevations and dimensions* ☐ *Wier and orifice elevation* \Box *Pipe elevation, size material, length and slope* \Box *Top of structure* ☐ Trash rack ☐ Anti-seep collars or sand diaphragm ☐ Storm elevations

☐ Phreatic line

	☐ Pipe bedding
	☐ Emergency Spillway
☐ Trash rack details	☐ riser structures details and dimensions
☐ Emergency spillway profile	
$\square~Q100~\&~V100$	☐ Cross section ofemergency spillway
\square Slope	\Box Top of dam (settled and unsettled)
☐ Location of emergency spillway	\Box Existing and proposed grade
☐ Bottom of pond	☐ Core trench
\Box Stationing	☐ Barrel/weir location
☐ Profile along centerline of dam	
☐ Sediment basin and trap criteria	
☐ Inflow Protection	☐ Outflow Protection
☐ Baffle Locations*	☐ Flowlines through the basin*
\Box Baffle elevations provided	☐ All information contained on sheet C-10-8*
\Box Baffles designed of CDX plywood	\square $\sqrt[3]{4}$ stone covering the dewatering device*
	*Information for sediment basin only
☐ Boring logs	☐ MD 378 construction specifications/construction
☐ MD 378 Statement of determination	☐ Stormwater management data table/basin summary chart
☐ Erosion and Sediment control Notes and Details	
☐ Vegetative Stabilization Methods and Materi	ials Notes (A.I w/fig 4 & 5)
☐ Permanent and Temporary Seeding Summar	
☐ Standard Sediment control Notes (25 standard	
☐ Details and specifications for each sediment	,
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PRELIMINARY STORMWATER MANAGEMENT/E	&S COMPUTATIONS
☐ Table of Contents	<u> </u>
	gn, describes how environmental site design will be used to meet the
	tent practicable and justifies any proposed structural stormwater
	rate a list of all comments, pertaining to ESD, received from all of
the reviewing agencies/departments and how each of	
	confirm the selection of the environmental site design and structural
practices	committee selection of the environmental site design and structural
•	rings, site specific recommendations, and any additional information
necessary to justify the proposed design	rings, site specific recommendations, and any additional information
☐ Ground water recharge, waterquality and channel p	protection volume calculations
	protection volume calculations
Basin Computation/Underground Facilities	Ctago/atouggo ourse and table
☐ Orifice and weir computations	☐ Stage/storage curve and table ☐ Positing for 1.2.10 and 100 years storms
☐ Elevation, discharge, and storage table	☐ Routing for 1, 2, 10 and 100 year storms
☐ Outlet protection computations	Stability and seepage computations for weir structure And the stability and seepage computations for weir structure
☐ Height of embankment computations	Anti-seep collar/sand diaphragm computations Notice of control of the control o
☐ Dam safety routing	□ Notice of construction completion form
☐ MD14 summary sheet for ponds and basins	☐ Unified sizing criteria chart
☐ Sediment Trap Computations	
Minimum Plan Requirements (Final Plan)	
Final SWM/I	E&S Title Sheet (F-ESD-1)
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Final SWM/E&S Plan Sheet(s) (F-ESD-2 to F-ESD-?)					
FINAL EXISTING CONDITIONS DRAINAGE AREA PLAN (1:50 scale maximum) ☐ All information shown on the Preliminary Existing Conditions Drainage AreaPlan					
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PROJECT FINAL PLAN (1:50 scale maximum) ☐ All information shown on the approved Preliminary SWM/E&S plan					
FINAL LOT GRADING PLAN (1:50 scale maximum) All information shown on the Preliminary Lot Grading Plan					
FINAL LANDSCAPE PLAN (1:50 scale maximum) □ Existingand proposed contours (1' - 2' contours) □ Planting plan/layout □ Label all appropriate water surface elevations □ Planting schedule □ Maintenance plan					
FINAL ADDITIONAL NOTES AND DETAILS Allinformation shown on the Preliminary Additional Notes and Details					
FINAL STORMWATER MANAGEMENT/E&S COMPUTATIONS ☐ All information from the Preliminary Stormwater Management/E&S Computations					