***MDOT STATE HIGHWAY ADMINISTRATION – PLAN REVIEW DIVISION***

***Concept ESC/SWM Plan Submission Review List***

**Administrative Requirements – Electronic Copies of the following in pdf format**

|  |  |  |
| --- | --- | --- |
|  | Concept Plan |  |
|  | Concept Report/Narrative |  |
|  | Application for Sediment Control/Stormwater Management Plan Approval |  |

**Plan/Report Requirements**

(Refer to pages 5.5 through 5.11 of the SWM Design Manual and A-14 through A-16 of ESC Standards and Specifications)

|  |  |  |
| --- | --- | --- |
|  | All items listed in Sediment and Stormwater Guidelines Section 7.4.A & D. |  |
|  | Title Sheet with revision dates (or IFB for Book Jobs) |  |
|  | Plan scale of 1” = 100’ minimum  |  |
|  | Site location |  |
|  | Property boundaries, existing and proposed R/W & easements |  |
|  | Existing site & resource mapping |  |
|  |  | Wetlands and waterways |  |
|  | Major waterways |  |
|  | Floodplains |  |
|  | Tidal and non-tidal wetlands |  |
|  | Wetlands of special state concern |  |
|  | Wetland buffers |  |
|  | Stream buffers |  |
|  | Forest buffers |  |
|  | Critical areas |  |
|  | Steep slopes greater than 20% |  |
|  | Slopes steeper than 15% |  |
|  | Highly erodible soils |  |
|  | Topography/slopes |  |
|  | Springs |  |
|  | Seeps |  |
|  | Drainage depressions |  |
|  | Vegetative cover |  |
|  | Soils |  |
|  | Bedrock/geology |  |
|  | Existing drainage areas |  |
|  | Existing drainage facilities |  |
|  | Aerial Mapping |  |
|  | Existing impervious areas |  |
|  | Proposed impervious areas |  |
|  | Proposed Limit of Disturbance |  |
|  | Existing and proposed utility locations |  |
|  | Preliminary estimates of stormwater requirements |  |
|  | Selection and location of proposed ESD practices including preliminary grading  |  |
|  | Drainage area mapping with location of points of discharge (roll mapping acceptable) |  |
|  | Erosion & Sediment Control and Stormwater Management narrative to achieve: |  |
|  |  | Natural resource protection and enhancement |  |
|  | Maintenance of natural flow patterns |  |
|  | Outfall stability assessment and photos for all POI’s |  |
|  | Reduction in impervious areas through better site design, alternative surfaces, and nonstructural practices |  |
|  | Integration of erosion and sediment controls into the stormwater strategy |  |
|  | Implementation of ESD planning techniques and practices to the MEP |  |
| Narrative to include: |  |
|  |  | General description of the predominant soil types |  |
|  | Proposed use of any waivers and/or variances |  |
|  | Total Maximum Daily Load (TMDL) for Impaired Waters |  |
|  | Tier II streams |  |
|  | Use III and IV streams-discuss how thermal impacts will be addressed |  |
|  | ESD to MEP Implementation |  |
|  | Need and justification for waivers or variances for each POI/LOI |  |
|  | SWM report cover signed and sealed by the professional engineer in charge of the design |  |
|  | WQSS signed by HHD DC/ADC (signature required for concept approval except for SWM exempt projects) |  |
|  | Waivers and Variances (if applicable)  |  |

**Items missing should be discussed in the narrative.**