

This file includes all three checklists and guidance documents as well as Appendix 1.

To access the desired checklist and guidance document, go to the bottom of this page and click on the appropriate tab.

Use the arrows on the bottom left hand corner of this page to advance the tabs for the 2017 checklists.

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS**

SWCD: _____

Project Name: _____ Address: _____

City/County: _____ Date on Plans: _____

Plan Page #	Included Y/N
----------------	-----------------

TO BE SHOWN ON ES&PC PLAN

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
<i>(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be review)</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 2 Level II certification number issued by the Commission, signature and seal of the certified design professional.
<i>(Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan reviewed)</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 3 Limits of disturbance shall be no greater than 50 acres at any one time without prior written approval from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist.*
<i>(A copy of the written approval by EPD must be attached to the plan for the plan to be reviewed)</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls. |
| <input type="checkbox"/> | <input type="checkbox"/> | 5 Provide the name, address and phone number of primary permittee. |
| <input type="checkbox"/> | <input type="checkbox"/> | 6 Note total and disturbed acreage of the project or phase under construction. |
| <input type="checkbox"/> | <input type="checkbox"/> | 7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees. |
| <input type="checkbox"/> | <input type="checkbox"/> | 8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who made the revisions. |
| <input type="checkbox"/> | <input type="checkbox"/> | 9 Description of the nature of construction activity. |
| <input type="checkbox"/> | <input type="checkbox"/> | 10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific areas where erosion control is necessary. |
| <input type="checkbox"/> | <input type="checkbox"/> | 11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, residential areas, wetlands, marshlands, etc. which may be affected. |
| <input type="checkbox"/> | <input type="checkbox"/> | 12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit. |
| <input type="checkbox"/> | <input type="checkbox"/> | 13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the permit.* |
| <input type="checkbox"/> | <input type="checkbox"/> | 14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to include in the Plan the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days of installation."* |
| <input type="checkbox"/> | <input type="checkbox"/> | 15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrenched vegetation or within 25-foot or 50-foot marshland buffer as measured from the Jurisdictional Determination Line without first acquiring appropriate variances and permits." |
| <input type="checkbox"/> | <input type="checkbox"/> | 16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required. |
| <input type="checkbox"/> | <input type="checkbox"/> | 17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant impact on the Plan must be submitted to the Commission for review and approval." |

BMPs with a hydraulic component must be certified by the design professional.**

- 18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit.**"
- 19 Clearly note statement that "The escape of sediment from the site shall be prevented by the inst erosion and sediment control measures and practices prior to land disturbing activities."
- 20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment cc shall be implemented to control or treat the sediment source."
- 21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days st stabilized with mulch or temporary seeding."
- 22 Any construction activity which discharges storm water into an Impaired Stream Segment, or wit upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segme with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be areas of the site which discharge to the Impaired Stream Segment.*
- 23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segme item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any conditions or requirements included in the TMDL Implementation Plan.*
- 24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehic of the drum at the construction site is prohibited.*
- 25 Provide BMPs for the remediation of all petroleum spills and leaks.
- 26 Description of the measures that will be installed during the construction process to control pollu water that will occur after construction operations have been completed.*
- 27 Description of the practices that will be used to reduce the pollutants in storm water discharges.
- 28 Description and chart or timeline of the intended sequence of major activities which disturb soils portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing acti excavation activities, utility activities, temporary and final stabilization).
- 29 Provide complete requirements of inspections and record keeping by the primary permittee.*
- 30 Provide complete requirements of sampling frequency and reporting of sampling results.*
- 31 Provide complete details for retention of records as per Part IV.F. of the permit.*
- 32 Description of analytical methods to be used to collect and analyze the samples from each local
- 33 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
- 34 Delineate all sampling locations, perennial and intermittent streams and other water bodies into storm water is discharged.*
- 35 A description of appropriate controls and measures that will be implemented at the construction (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading ; BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan all of the BMPs into a single phase.*
- 36 Graphic scale and North arrow.
- 37 Existing and proposed contour lines with contour lines drawn at an interval in accordance with th

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100ft or	Flat 0 - 2%	0.5 or 1

larger scale	Rolling 2 - 8% Steep 8% +	1 or 2 2,5 or 10
--------------	------------------------------	---------------------

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 38 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Groundwater and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document at www.gaswcc.org . |
| <input type="checkbox"/> | <input type="checkbox"/> | 39 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.* |
| <input type="checkbox"/> | <input type="checkbox"/> | 40 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact. |
| <input type="checkbox"/> | <input type="checkbox"/> | 41 Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site. |
| <input type="checkbox"/> | <input type="checkbox"/> | 42 Delineation and acreage of contributing drainage basins on the project site. |
| <input type="checkbox"/> | <input type="checkbox"/> | 43 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. |
| <input type="checkbox"/> | <input type="checkbox"/> | 44 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction is completed. |
| <input type="checkbox"/> | <input type="checkbox"/> | 45 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharge without erosion. Identify/Delineate all storm water discharge points. |
| <input type="checkbox"/> | <input type="checkbox"/> | 46 Soil series for the project site and their delineation. |
| <input type="checkbox"/> | <input type="checkbox"/> | 47 The limits of disturbance for each phase of construction. |
| <input type="checkbox"/> | <input type="checkbox"/> | 48 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment storage structure, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization site has been achieved. A written justification explaining the decision to use equivalent controls when sediment basin is not attainable must be included in the plan for each common drainage location where sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable also be given. Worksheets from the Manual included for structural BMPs and all calculations used in storage design professional to obtain the required sediment when using equivalent controls. When using sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are used, a written justification explaining this decision must be included in the plan. |
| <input type="checkbox"/> | <input type="checkbox"/> | 49 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 4, legend. |
| <input type="checkbox"/> | <input type="checkbox"/> | 50 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet those set forth in the Manual for Erosion and Sediment Control in Georgia. |
| <input type="checkbox"/> | <input type="checkbox"/> | 51 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include specifications for seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for each year of the year that seeding will take place and for the appropriate geographic region of Georgia. |

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would not apply. **Effective January 1, 2017**

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS**

SWCD: _____

Project Name: _____ Address: _____
City/County: _____ Date on Plans: _____

Plan Page #	Included Y/N
-------------	--------------

TO BE SHOWN ON ES&PC PLAN

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
<i>(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 2 Level II certification number issued by the Commission, signature and seal of the certified design professional
<i>(Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed. The Level II certification must be issued to the Design Professional whose signature and seal are on the Plan)</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 3 Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the District Office. If EPD approves the request to disturb 50 acres or more at any one time, the plan must include the BMPs listed in Appendix 1 of this checklist.*
<i>(A copy of the written approval by EPD must be attached to the plan for the plan to be reviewed.)</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution control.
<i>May be shown on ES&PC Plan sheets and/or ES&PC notes.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 5 Provide the name, address and phone number of primary permittee.
<i>May be shown on cover sheet, ES&PC Plan or under ES&PC notes.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 6 Note total and disturbed acreage of the project or phase under construction.
<i>Must be shown on ES&PC Plan or under ES&PC notes.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal coordinates.
<i>GPS location of the construction exit must be shown on cover sheet and may also be shown on ES&PC Plan sheets or under ES&PC notes. It must match the NOI.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revision.
<i>The initial Plan date should be shown on all pages. With each resubmittal, the revision date and entity requesting the revision should be shown on cover sheet and each sheet that has been revised.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 9 Description of the nature of construction activity.
<i>Provide a description of the existing site and a description of the proposed project. These must be shown on cover sheet or under ES&PC notes.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if applicable.
<i>Site location must be delineated showing surrounding area roads and highways. If the project is being done in multiple phases, each individual phase must be delineated and labeled. This information is important for Plan Reviewers if needed, or if the site needs to be located on another map.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, reservoirs, wetlands, marshlands, etc. which may be affected.
<i>The name of the initial receiving water(s) or if unnamed, the first named blue line stream indicated on the nearest USGS Topographic map, and when the discharge is through a municipal separate storm sewer system (MS4) of the local government operating the municipal separate storm sewer system and the name of the receiving water body which receives the discharge from the MS4, and the permittee's determination of whether the receiving water body supports warm water fisheries or is a trout stream. Describe any neighboring area which could be affected by post-developed runoff from the site.</i> |

- 12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit.
The following statement and the signature of the design professional must be shown on the ES&PC Plan c notes. "I certify under penalty of law that this Plan was prepared after a site visit to the locations described or my authorized agent, under my supervision."
- 13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for a and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of t
The following statement and the signature of the design professional must be shown on the ES&PC Plan c notes. "I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an app
comprehensive system of Best Management Practices required by the Georgia Water Quality Control Act
"Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Co
Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for th
the receiving water(s) or the sampling of the storm water outfalls and that the designed system of Best Ma
and sampling methods is expected to meet the requirements contained in the General NPDES Permit No.
- 14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the i
initial sediment storage requirements and perimeter control BMPs within 7 days after installation."**
The Plan must include a statement indicating that the primary permittee must retain the design profession
the Plan, except when the primary permittee has requested in writing and EPD has agreed to an alternate
professional, to inspect the installation of the initial sediment storage requirements and perimeter control E
design professional designed within seven (7) days after installation. The design professional shall determ
BMPs have been installed and are being maintained as designed. The design professional shall report th
inspection to the primary permittee within seven (7) days and the permittee must correct all deficiencies wi
business days of receipt of the inspection report from the design professional unless weather related site c
such that additional time is required.
- 15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undi
buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer
from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
See Part IV. EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (I) and (II) on pages 15, 1
of the permit and show under ES&PC notes.
- 16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
When the project requires an approved buffer variance from the GA EPD, an indication shall be shown on
Plan. A description of the encroachment activity must be shown on the ES&PC Plan or under ES&PC note
- 17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect
hydraulic component must be certified by the design professional."**
See part IV. C. on page 19 of the permit. This can be clarified in a narrative and shown under ES&PC not
or amendments should be submitted to the Local Issuing Authority for review.
- 18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as
section 404 permit."**
The Plan must include a description of how waste materials, including waste building materials, constructi
debris, concrete washout, excavated sediment, etc., will be properly disposed of. Any disposal of solid wa
the State is prohibited unless authorized by a Section 404 permit.
- 19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of
sediment control measures and practices prior to land disturbing activities."

Must be shown on ES&PC Plan or under ES&PC notes.

20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment control measures shall to control or treat the sediment source."

Must be shown on ES&PC Plan or under ES&PC notes.

21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stat or temporary seeding."

Must be shown on ES&PC Plan or under ES&PC notes.

22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linee of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site to the Impaired Stream Segment.*

If any storm water associated with construction activities discharges into an Impaired Stream Segment tha for the criteria violated, "Bio F" (Impaired Fish Community) and/or "Bio M" (Impaired Macroinvertebrate Co within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff), Plan must include at least four (4) of the BMPs listed in Part III.C.2. (a) - (t) of the Permit. The Impaired St should be delineated on the ES&PC Plan. Georgia's most current and subsequent "305(b)/303(d) List Doi can be veiwed on the GAEPD website. www.gaepd.org/Documents/305b.html

23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identific above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific condi requirements included in the TMDL Implementation Plan.*

List of TMDL Implementation Plans can be viewed on the GAEPD website, www.gaepd.org. The TMDL In Plan for sediment should be delineated on the ES&PC Plan.

24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Wash at the construction site is prohibited.*

When the project allows the concrete washdown of tools, concrete mixer chutes, hoppers and rear of the v project site delineate the location of the area provided for washing and provide detail of BMPs that will be i project does not allow the concrete washdown on the project site, note that on the Plan.

25 Provide BMPs for the remediation of all petroleum spills and leaks.

The Plan must provide BMPs and guidance for the prevention of spills and leaks of petroleum products fro where such products are stored or used as well as guidance for the proper remediation of any spills and le occur. This information can be in the form of a separate Spill Prevention/Spill Response document so long information accompanies the Plan.

26 Description of the measures that will be installed during the construction process to control pollutants in st will occur after construction operations have been completed.*

The Plan must contain a description of the measures that will be installed during the construction process in storm water that will occur after construction operations have been completed. These may include stor and retention structures, use of vegetated swales and natural depressions for flow attenuation or a combir practices (sequential systems). The Plan must also include a technical explanation of the basis used to se practices where flows will exceed pre-development levels. The Plan must indicate that velocity dissipator placed at discharge locations and along the length of any outflow channel in order to provide a non-erosiv natural physical and biological characteristics and functions of the water course are maintained and protec installation of these devices may be subject to Section 404 of the Federal Clean Water Act.

Note: The permittee is only responsible for the installation and maintenance of storm water management i final stabilization of the site and not the operation and maintenance of such structures after construction ac

completed.

27 Description of the practices that will be used to reduce the pollutants in storm water discharges.*

The Plan must identify all potential sources of storm water pollution expected to be present on the site and provide a narrative explaining how the pollutants will be minimized in the storm water discharges.

28 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, temporary and final stabilization).

Activity schedule must be site specific. The narrative description and timeline for each phase of construction on ES&PC Plan sheet or under ES&PC notes.

29 Provide complete requirements of inspections and record keeping by the primary permittee.*

The Plan must include all of the inspections and record keeping requirements of the primary permittee as : Part IV.D.4.a. on page 23 of the Permit. The complete inspection and record keeping requirements shall be shown on the Plan under ES&PS notes.

30 Provide complete requirements of sampling frequency and reporting of sampling results.*

See page 26 Sampling Frequency and page 25 section E. Reporting in the permit. Complete sampling frequency and reporting requirements are to be shown on the Plan under ES&PC notes.

31 Provide complete details for retention of records as per Part IV.F. of the permit.*

See page 28 section F. Retention of Records in the permit. Complete details of retention of records are to be shown on the Plan under ES&PC notes.

32 Description of analytical methods to be used to collect and analyze the samples from each location.*

This narrative must be shown on the Plan under ES&PC notes and shall include quality control/assurance and precise sampling methodology for each sampling location.

33 Appendix B rationale for NTU values at all outfall sampling points where applicable.*

When the permittee has determined that some or all outfalls will be monitored, a rationale must be shown on the Plan under ES&PC notes which includes the NTU limit(s) selected from Appendix B. This rationale must include the size of the construction site, the calculation of the size of the surface water drainage area, and the type of receiving water body (e.g., trout stream or supporting warm water fisheries).

34 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.*

The Plan shall include a USGS topographic map, a topographic map or a drawing (referred to as a topographic map) is a scale equal to or more detailed than a 1:24000 map showing the locations of the site or the common drainage area. The map must include (a) the location of all perennial and intermittent streams and other water bodies as shown on the topographic map, and all other perennial and intermittent streams and other water bodies located during the construction verification, into which the storm water is discharged and (b) the receiving water and/or outfall sampling location. If the permittee has chosen to use a USGS topographic map and the receiving water(s) is not shown on the topographic map, the location of the receiving water(s) must be hand-drawn on the USGS topographic map. The storm water(s) enters the receiving water(s) to the point where the receiving water(s) combines with the stream shown on the USGS topographic map.

35 A description of appropriate controls and measures that will be implemented at the construction site including (1) sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final grading and drainage BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single sheet. The Plan must be shown in a minimum of three phases with each phase shown on a separate sheet. The initial Plan must include the required 67 cy per acre sediment storage, construction exit, tree-save fence if applicable.

other BMPs necessary to prevent sediment from leaving the site such as silt fence, inlet protection on existing storm drain structures, diversions, check dams, temporary ground cover, etc. Limits of disturbance for the initial phase the areas needed to install initial BMPs. The intermediate phase should show rough grading and utility co should include initial inlet protection, additional silt fence as needed, any revised sediment storage needer basins are altered, outlet protection, retrofit if applicable, matting with temporary or permanent vegetation ; temporary down drains, filter rings, etc. Final phase of Plan should show finished grade, curbing and pavil building construction if applicable, etc. BMPs should include permanent vegetation, appropriate inlet prote For construction sites where there will be no mass grading and the initial perimeter control BMPs, interme drainage BMPs, and the final BMPs are the same, the Plan may combine all of the BMPs into a single pha Plan will include appropriate staging and access requirements for construction equipment.

36 Graphic scale and North arrow.

The graphic scale and North arrow must be clearly shown on all phases of the ES&PC Plan sheets.

37 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the followin

Map Scale	Ground Slope	Contour Intervals, ft
1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Steep 8% +	2,5 or 10

The initial, intermediate, and final phase sheets of the Plan must show the proposed grade in bold contour above intervals overlaying the original contour lines. Elevations of both the existing and proposed contour shown.

38 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conv as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conserv Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.

Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov

39 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Mar for Erosion & Sediment Control in Georgia 2016 Edition.*

Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.

40 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additi required by the Local Issuing Authority. Clearly note and delineate all areas of impact.

The State Law of Georgia mandates these minimum undisturbed buffers, but the Local Issuing Authorities require more stringent buffers of State waters. The minimum undisturbed buffers required by the State an of State waters required by the issuing authority must be delineated. Any undisturbed buffer area that is ir project site must be noted on the Plan.

41 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.

ALL STATE WATERS LOCATED ON AND WITHIN 200 FEET OF THE PROJECT SITE MUST BE DELIN

ALL PHASES OF THE PLAN. When a project is located in a jurisdiction with a certified Local Issuing Auth LIA must make a determination of State waters that are not delineated on the plan, the Plan review could

beyond the full forty-five day review time allowed to the LIA, or the full thirty-five day review time allowed to District is reviewing the plan. For all projects in a jurisdiction where there is no certified Local Issuing Auth that project, EPD is responsible for State waters determinations and there are no time limits for reviewing t

ALL WETLANDS LOCATED WITHIN THE PROJECT SITE ONLY MUST BE DELINEATED.

If the Local Issuing Authority requires an undisturbed buffer of wetlands, delineate required buffer.

42 Delineation and acreage of contributing drainage basins on the project site.

All existing drainage basins on the project site and their acreage must be delineated on the existng cond the initial phase of the Plan. As the basins are altered or new ones created during intermediate and fnal p

basins and their acreage must be delineated throughout each phase of the Plan.

43 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*

Hydrology study and drainage maps should be separate from the Plan. Maps should include each individual basin draining to, through, and from, the project site, with each one delineated, labeled and showing its total acreage.

44 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities completed.

The Plan must provide both pre- and post-construction estimates of the runoff coefficient or peak discharge flow for the site. This can be in the form of a hydrologic study so long as that study is made a part of the Plan and accompanied by a complete hydrologic study is not a required element of the Plan, only the pre and post-construction estimates of the runoff coefficient or peak discharge flow for the site.

45 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.

The storm-drain pipe and weir velocities must show the flow characteristics of the pipe at full flow including flow rate (cfs), velocity (fps), and tailwater conditions. This information should be shown in a chart on the storm-drain profile sheet, ES&PC intermediate phase sheet, or on the ES&PC detail sheet that shows outlet protection. The dimensions of the apron must include length (La), width at the headwall (W1), down-stream width (W2), stone diameter (d50), and stone depth (D) designed in accordance with Figures 6-24.1 and 6-24.2 in the Manual. Velocity dissipation devices shall be placed at all discharge locations and along the length of any outfall channel for the purpose of providing a non-erosive velocity flow from the structure to a water course so that the natural physical, biological functions and characteristics are maintained and protected.

46 Soil series for the project site and their delineation.

Soil series delineations are required for the Plan review and can be found on the NRCS web site. The high accuracy survey required for the project site, such as a level three or level four survey for projects that will be using a high accuracy survey, must be delineated on the Plan. The soil series delineation should be shown on the existing site Plan or the proposed site Plan. A chart listing the soils located on the project should be shown on the sheet with their delineation.

47 The limits of disturbance for each phase of construction.

The limits of disturbance for the initial phase should delineate only the area required to be disturbed for the perimeter control and initial sediment storage. The intermediate phase should delineate the entire area to be disturbed for that phase, such as grading, drainage, utilities installed, etc. The final phase should delineate any additional areas to be disturbed such as individual lots, etc.

48 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, a retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site is achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not provided must be included in the Plan for each common drainage location in which a sediment basin is not provided. Worksheets from the design professional included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees shall not utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.

For each common drainage location, a temporary (or Permanent) sediment basin (Sd3, Sd4, Rt, or excavated) with at least 67 cubic yards of storage per acre drained, or equivalent control measures, shall be provided until final stabilization of the site. The 67 cubic yards of storage per acre does not apply to flows from off-site areas and flows from areas that are either undisturbed or have undergone final stabilization where such flows are diverted around both sides of the site.

area and the sediment basin. Sediment basins may not be appropriate for some common drainage locations and a written justification explaining the decision not to use sediment basins must be included in the Plan. Worksheets must be completed and shown on the Plan or attached to the Plan for each temporary sediment basin des project. All cross sections and details required per the Manual for Sd3's must be shown on the ES&PC de Plan. Completed worksheets from the Manual must be shown on the Plan for each retrofit and excavated trap. When the design professional chooses to use equivalent controls the calculations used to obtain the yards per acre drained must be included on the Plan. If outlet structures that withdraw water from the sur feasible, a written justification explaining this decision must be included in the Plan.

49 Location of Best Management Practices that are consistent with, and no less stringent than, the Manual fo Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend. BMPs for all phases of the Plan must be consistent with and no less stringent than the Manual and shown coding symbols from the Manual. The uniform coding symbols legend from the Manual must be included a shown on detail sheet or any of the ES&PC Plan sheets.

50 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelir the Manual for Erosion and Sediment Control in Georgia. The erosion and sediment control detail sheet must show a detailed drawing for each structural BMP show All BMPs and details shown must, at a minimum, meet the guidelines given in the Manual. Note that a wo provided in the Manual for most structural BMPs that must be included on the ES&PC Plan or detail sheet

51 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, plantii seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of ye will take place and for the appropriate geographic region of Georgia. Must be shown on ES&PC Plan, on the ES&PC detail sheet or under ES&PC notes.

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items wo

Effective January 1, 2017

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS**

SWCD: _____

Project Name: _____ Address: _____
City/County: _____ Date on Plans: _____

Plan Page #	Included Y/N
-------------	--------------

TO BE SHOWN ON ES&PC PLAN

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed) |
| <input type="checkbox"/> | <input type="checkbox"/> | 2 Level II certification number issued by the Commission, signature and seal of the certified design professional
(Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed) |
| <input type="checkbox"/> | <input type="checkbox"/> | 3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution control. |
| <input type="checkbox"/> | <input type="checkbox"/> | 4 Provide the name, address and phone number of primary permittee. |
| <input type="checkbox"/> | <input type="checkbox"/> | 5 Note total and disturbed acreage of the project or phase under construction. |
| <input type="checkbox"/> | <input type="checkbox"/> | 6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees. |
| <input type="checkbox"/> | <input type="checkbox"/> | 7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revision. |
| <input type="checkbox"/> | <input type="checkbox"/> | 8 Description of the nature of construction activity. |
| <input type="checkbox"/> | <input type="checkbox"/> | 9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if applicable. |
| <input type="checkbox"/> | <input type="checkbox"/> | 10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, reservoirs, wetlands, marshlands, etc. which may be affected. |
| <input type="checkbox"/> | <input type="checkbox"/> | 11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit. |
| <input type="checkbox"/> | <input type="checkbox"/> | 12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for a detailed and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the permit. |
| <input type="checkbox"/> | <input type="checkbox"/> | 13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for re-sampling as stated on page 26 of permit as applicable.* |
| <input type="checkbox"/> | <input type="checkbox"/> | 14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the initial sediment storage requirements, perimeter control BMPs, and sediment basins in accordance with the permit within 7 days after installation."* |
| <input type="checkbox"/> | <input type="checkbox"/> | 15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed buffers as measured from the point of wooded vegetation or within 25-feet of the coastal marshland buffer from the Jurisdictional Determination Line without first acquiring the necessary variances and permits." |
| <input type="checkbox"/> | <input type="checkbox"/> | 16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required. |
| <input type="checkbox"/> | <input type="checkbox"/> | 17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on the hydraulic component must be certified by the design professional."* |
| <input type="checkbox"/> | <input type="checkbox"/> | 18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as provided for in a section 404 permit."* |
| <input type="checkbox"/> | <input type="checkbox"/> | 19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of sediment control measures and practices prior to land disturbing activities." |

- 20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
- 21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized or temporary seeding."
- 22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 100 feet of and within the same watershed as, any portion of an Impaired Stream Segment must comply with the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site adjacent to the Impaired Stream Segment.*
- 23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
- 24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Wash water at the construction site is prohibited.*
- 25 Provide BMPs for the remediation of all petroleum spills and leaks.
- 26 Description of the measures that will be installed during the construction process to control pollutants in storm water runoff that will occur after construction operations have been completed.*
- 27 Description of the practices that will be used to reduce the pollutants in storm water discharges.*
- 28 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portion of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, temporary and final stabilization).
- 29 Provide complete requirements of inspections and record keeping by the primary permittee.*
- 30 Provide complete requirements of sampling frequency and reporting of sampling results.*
- 31 Provide complete details for retention of records as per Part IV.F. of the permit.*
- 32 Description of analytical methods to be used to collect and analyze the samples from each location.*
- 33 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
- 34 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling points.*
- 35 A description of appropriate controls and measures that will be implemented at the construction site including (1) sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into one phase.*
- 36 Graphic scale and North arrow.
- 37 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
- | | |
|-------------------|--------------------------------------|
| Existing Contours | USGS 1" : 2000' Topographical Sheets |
| Proposed Contours | 1" : 400' Centerline Profile |
- 38 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
- 39 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual.

Erosion & Sediment Control in Georgia 2016 Edition.*

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 40 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact. |
| <input type="checkbox"/> | <input type="checkbox"/> | 41 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site. |
| <input type="checkbox"/> | <input type="checkbox"/> | 42 Delineation and acreage of contributing drainage basins on the project site. |
| <input type="checkbox"/> | <input type="checkbox"/> | 43 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets. |
| <input type="checkbox"/> | <input type="checkbox"/> | 44 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities completed. |
| <input type="checkbox"/> | <input type="checkbox"/> | 45 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without Identify/Delineate all storm water discharge points. |
| <input type="checkbox"/> | <input type="checkbox"/> | 46 Soil series for the project site and their delineation. |
| <input type="checkbox"/> | <input type="checkbox"/> | 47 The limits of disturbance for each phase of construction. |
| <input type="checkbox"/> | <input type="checkbox"/> | 48 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, a retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment volume must be in place prior to and during all land disturbance activities until final stabilization of the site is achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not provided must be included in the plan for each common drainage location in which a sediment basin is not provided. Worksheets from the manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees shall utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw from the surface are not feasible, a written justification explaining this decision must be included in the plan. |
| <input type="checkbox"/> | <input type="checkbox"/> | 49 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend. |
| <input type="checkbox"/> | <input type="checkbox"/> | 50 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines in the Manual for Erosion and Sediment Control in Georgia. |
| <input type="checkbox"/> | <input type="checkbox"/> | 51 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting rates, seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year and for the appropriate geographic region of Georgia. |

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items will not apply.

Effective January 1, 2017

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS**

SWCD: _____

Project Name: _____ Address: _____
City/County: _____ Date on Plans: _____

Plan Page #	Included Y/N
-------------	--------------

TO BE SHOWN ON ES&PC PLAN

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
<i>(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 2 Level II certification number issued by the Commission, signature and seal of the certified design professional.
<i>(Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed. The Level II certification must be issued to the Design Professional whose signature and seal are on the Plan)</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution control.
<i>May be shown on ES&PC Plan sheets and/or ES&PC notes.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 4 Provide the name, address and phone number of primary permittee.
<i>May be shown on cover sheet, ES&PC Plan or under ES&PC notes.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 5 Note total and disturbed acreage of the project or phase under construction.
<i>Must be shown on ES&PC Plan or under ES&PC notes.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude to decimal degrees.
<i>GPS locations of the beginning and end of the infrastructure project must be shown on cover sheet and maps on ES&PC Plan sheets and ES&PC notes. It must match the NOI.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
<i>The initial Plan date should be shown on all pages. With each resubmittal, the revision date, and the entity requesting the revisions should be shown on cover sheet and each sheet that has been revised.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 8 Description of the nature of construction activity.
<i>Provide a description of the existing site and a description of the proposed project. These must be shown on cover sheet and under ES&PC notes.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if applicable.
<i>Site location must be delineated showing surrounding area roads and highways. If the project is being developed in phases, each individual phase must be delineated and labeled. This information is important for Plan Reviewers if needed, or if the site needs to be located on another map.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, reservoirs, wetlands, marshlands, etc. which may be affected.
<i>The name of the initial receiving water(s) or if unnamed the first named blue line stream indicated on the a USGS Topographic map, and when the discharge is through a municipal separate storm sewer system (MS4) of the local government operating the municipal separate storm sewer system and the name of the receiving water body which receives the discharge from the MS4, and the permittee's determination of whether the receiving water body supports warm water fisheries or is a trout stream. Describe any neighboring area which could be affected by post-developed runoff from the site.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 11 Design professional's certification statement and signature that the site was visited prior to development of the Plan as stated on page 15 of the permit.
<i>The following statement and the signature of the design professional must be shown on the ES&PC Plan cover sheet.</i> |

notes. "I certify under penalty of law that this Plan was prepared after a site visit to the locations described herein by myself or my authorized agent, under my supervision."

12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for a comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the permit. The following statement and the signature of the design professional must be shown on the ES&PC Plan or under ES&PC notes. "I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of Best Management Practices required by the Georgia Water Quality Control Act and the "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for the receiving water(s) or the sampling of the storm water outfalls and that the designed system of Best Management Practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. [redacted]."

13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for required sampling as stated on page 26 of permit as applicable.* The following statement and the signature of the design professional must be shown on the ES&PC Plan or under ES&PC notes. "I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial stream and other water body is not proposed to be sampled, I have determined in my professional judgment that the factors required in the General NPDES Permit No. GAR 100002, that the increase in the turbidity of each such sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the initial sediment storage requirements, perimeter control BMPs and sediment basins in accordance with paragraph 7 days after installation."* The Plan must include a statement indicating that the primary permittee must retain the design professional who prepared the Plan, or an alternative professional approved by EPD in writing, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within (7) days after installation. Alternatively, for linear infrastructure projects, the primary permittee must retain the design professional who prepared the Plan, or alternative design professional approved by EPD in writing to inspect (a) the installation of sediment storage requirements and perimeter control BMPs on the "initial segment" of the linear infrastructure project and (b) all sediment basins within the entire linear infrastructure project within (7) days after the installation. For the purposes of the specific requirements in Part IV.A.5., the distance of the "initial segment" of a linear infrastructure project must be equal to or greater than 10% of the total estimated acreage for the linear infrastructure project but not less than one (1) acre. The design professional shall document that all BMPs have been installed and are being maintained as designed. The design professional shall report the results of the inspection to the primary permittee within (7) days and the permittee must correct all deficiencies within (7) days of receipt of the inspection report from the design professional unless weather related site conditions are such that more time is required.

15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed buffers as measured from the point of wooded vegetation or within 25-feet of the coastal marshland buffer from the Jurisdictional Determination Line without first acquiring the necessary variances and permits." See Part IV. EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (I) and (II) on pages 15, 16, and 17 of the permit and show under ES&PC notes.

16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required. When the project requires an approved buffer variance from the GA EPD, an indication shall be shown on the ES&PC Plan. A description of the encroachment activity must be shown on the ES&PC Plan or under ES&PC notes.

- 17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."*
See part IV. C. on page 19 of the permit. This can be clarified in a narrative and shown under ES&PC notes or amendments should be submitted to the Local Issuing Authority for review.
- 18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as section 404 permit."*
The Plan must include a description of how waste materials, including waste building materials, construction debris, concrete washout, excavated sediment, etc., will be properly disposed of. Any disposal of solid waste to the State is prohibited unless authorized by a Section 404 permit.
- 19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of sediment control measures and practices prior to land disturbing activities."
Must be shown on ES&PC Plan or under ES&PC notes.
- 20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
Must be shown on ES&PC Plan or under ES&PC notes.
- 21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized or temporary seeding."
Must be shown on ES&PC Plan or under ES&PC notes.
- 22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 mile of and within the same watershed as, any portion of an Impaired Stream Segment must comply with the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site to the Impaired Stream Segment.*
If any storm water associated with construction activities discharges into an Impaired Stream Segment for the criteria violated, "Bio F" (Impaired Fish Community) and/or "Bio M" (Impaired Macroinvertebrate Community) within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff), the Plan must include at least four (4) of the BMPs listed in Part III.C.2. (a) - (t) of the Permit. The Impaired Stream Segment should be delineated on the ES&PC Plan. Georgia's most current and subsequent "305(b)/303(d) List of Impaired Stream Segments" can be viewed on the GAEPD website. www.gaepd.org/Documents/305b.html
- 23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions and requirements included in the TMDL Implementation Plan.*
List of TMDL Implementation Plans can be viewed on the GAEPD website, www.gaepd.org. The TMDL Implementation Plan for sediment should be delineated on the ES&PC Plan.
- 24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washdown at the construction site is prohibited.*
When the project allows the concrete washdown of tools, concrete mixer chutes, hoppers and rear of the vehicles at the project site, delineate the location of the area provided for washing and provide detail of BMPs that will be implemented. If the project does not allow the concrete washdown on the project site, note that on the Plan.
- 25 Provide BMPs for the remediation of all petroleum spills and leaks.
The Plan must provide BMPs and guidance for the prevention of spills and leaks of petroleum products from where such products are stored or used as well as guidance for the proper remediation of any spills and leaks that occur. This information can be in the form of a separate Spill Prevention/Spill Response document so long as the information accompanies the Plan.
- 26 Description of the measures that will be installed during the construction process to control pollutants in stormwater.

will occur after construction operations have been completed.*

The Plan must contain a description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. These may include storage and retention structures, use of vegetated swales and natural depressions for flow attenuation or a combination of practices (sequential systems). The Plan must also include a technical explanation of the basis used to select practices where flows will exceed pre-development levels. The Plan must indicate that velocity dissipators be placed at discharge locations and along the length of any outflow channel in order to provide a non-erosive discharge. The natural physical and biological characteristics and functions of the water course are maintained and protected. The installation of these devices may be subject to Section 404 of the Federal Clean Water Act.

Note: The permittee is only responsible for the installation and maintenance of storm water management structures during final stabilization of the site and not the operation and maintenance of such structures after construction operations are completed.

27 Description of the practices that will be used to reduce the pollutants in storm water discharges.*

The Plan must identify all potential sources of storm water pollution expected to be present on the site and include a narrative explaining how the pollutants will be minimized in the storm water discharges.

28 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portion of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, temporary and final stabilization).

Activity schedule must be site specific. The narrative description and timeline for each phase of construction must be shown on ES&PC Plan sheet or under ES&PC notes.

29 Provide complete requirements of inspections and record keeping by the primary permittee.*

The Plan must include all of the inspections and record keeping requirements of the primary permittee as set forth in Part IV.D.4.a. on page 23 of the Permit. The complete inspection and record keeping requirements shall be shown on the Plan under ES&PS notes.

30 Provide complete requirements of sampling frequency and reporting of sampling results.*

See page 26 Sampling Frequency and page 25 section E. Reporting in the permit. Complete sampling frequency and reporting requirements are to be shown on the Plan under ES&PC notes.

31 Provide complete details for retention of records as per Part IV.F. of the permit.*

See page 28 section F. Retention of Records in the permit. Complete details of retention of records are to be shown on the Plan under ES&PC notes.

32 Description of analytical methods to be used to collect and analyze the samples from each location.*

This narrative must be shown on the Plan under ES&PC notes and shall include quality control/assurance and precise sampling methodology for each sampling location.

33 Appendix B rationale for NTU values at all outfall sampling points where applicable.*

When the permittee has determined that some or all outfalls will be monitored, a rationale must be shown on the Plan under ES&PC notes which includes the NTU limit(s) selected from Appendix B. This rationale must include the location of the construction site, the calculation of the size of the surface water drainage area, and the type of receiving water body (e.g., trout stream or supporting warm water fisheries).

34 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.*

The Plan shall include a USGS topographic map, a topographic map or a drawing (referred to as a topographic map) at a scale equal to or more detailed than a 1:24000 map showing the locations of the site or the common discharge point. The map must include (a) the location of all perennial and intermittent streams and other water bodies as shown on the topographic map, and all other perennial and intermittent streams and other water bodies located during the site verification, into which the storm water is discharged and (b) the receiving water and/or outfall sampling location.

the permittee has chosen to use a USGS topographic map and the receiving water(s) is not shown on the USGS topographic map, the location of the receiving water(s) must be hand-drawn on the USGS topographic map from where the storm water(s) enters the receiving water(s) to the point where the receiving water(s) combines with the stream shown on the USGS topographic map.

35 A description of appropriate controls and measures that will be implemented at the construction site including sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase.*

The Plan must be shown in a minimum of three phases with each phase shown on a separate sheet. The initial phase must include the required 67 cy per acre sediment storage, construction exit, tree-save fence if applicable, other BMPs necessary to prevent sediment from leaving the site such as silt fence, inlet protection on existing structures, diversions, check dams, temporary ground cover, etc. Limits of disturbance for the initial phase must show the areas needed to install initial BMPs. The intermediate phase should show rough grading and utility construction. The final phase should include initial inlet protection, additional silt fence as needed, any revised sediment storage needs, outlet protection, retrofit if applicable, matting with temporary or permanent vegetation, temporary down drains, filter rings, etc. Final phase of Plan should show finished grade, curbing and paving building construction if applicable, etc. BMPs should include permanent vegetation, appropriate inlet protection. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and the final BMPs are the same, the Plan may combine all of the BMPs into a single phase. The Plan will include appropriate staging and access requirements for construction equipment.

36 Graphic scale and North arrow.

The graphic scale and North arrow must be clearly shown on all phases of the ES&PC Plan sheets.

37 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Existing Contours	USGS 1" : 2000' Topographical Sheets
Proposed Contours	1" : 400' Centerline Profile

The initial, intermediate, and final phase sheets of the Plan must show the proposed grade in bold contour above intervals overlaying the original contour lines. Elevations of both the existing and proposed contour lines must be shown.

38 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.

Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov

39 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*

Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.

40 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.

The State Law of Georgia mandates these minimum undisturbed buffers, but the Local Issuing Authorities may require more stringent buffers of State waters. The minimum undisturbed buffers required by the State and any additional buffers required by the issuing authority must be delineated. Any undisturbed buffer area that is in the project site must be noted on the Plan.

41 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.

ALL STATE WATERS LOCATED ON AND WITHIN 200 FEET OF THE PROJECT SITE MUST BE DELINEATED ON ALL PHASES OF THE PLAN. When a project is located in a jurisdiction with a certified Local Issuing Authority, the project must also comply with the requirements of the Local Issuing Authority.

LIA must make a determination of State waters that are not delineated on the plan, the Plan review could be delayed for beyond the full forty-five day review time allowed to the LIA, or the full thirty-five day review time allowed to District is reviewing the plan. For all projects in a jurisdiction where there is no certified Local Issuing Authority that project, EPD is responsible for State waters determinations and there is no time limits for reviewing the ALL WETLANDS LOCATED WITHIN THE PROJECT SITE ONLY MUST BE DELINEATED.

If the Local Issuing Authority requires an undisturbed buffer of wetlands, delineate required buffer.

- 42 Delineation and acreage of contributing drainage basins on the project site.
All existing drainage basins on the project site and their acreage must be delineated on the existing condition the initial phase of the plan. As the basins are altered or new ones created during intermediate and final phases basins and their acreage must be delineated throughout each phase of the Plan.
- 43 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
Hydrology study and drainage maps should be separate from the Plan. Maps should include each individual draining to, through and from the project site, with each one delineated, labeled and showing its total acreage.
- 44 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities completed.
The Plan must provide both pre- and post-construction estimates of the runoff coefficient or peak discharge flow. This can be in the form of a hydrologic study so long as that study is made a part of the Plan and accompanied by a complete hydrologic study is not a required element of the Plan, only the pre and post-construction estimates of runoff coefficient or peak discharge flow for the site.
- 45 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without overflow. Identify/Delineate all storm water discharge points.
The storm-drain pipe and weir velocities must show the flow characteristics of the pipe at full flow, including flow rate (cfs), velocity (fps), and tailwater conditions. This information should be shown in a chart shown on the ES&PC intermediate phase sheet or on the ES&PC detail sheet that shows outlet protection. The dimensions of the apron must include length (La), width at the headwall (W1), down-stream width (W2), stone diameter (d50), and stone depth (D) designed in accordance with Figures 6-24.1 and 6-24.2 in the Manual. The apron should be shown in a chart on ES&PC intermediate and/or final phase sheet or ES&PC detail sheet with outlet protection. Velocity dissipation devices shall be placed at all discharge locations and along the length of any outfall channel purpose of providing a non-erosive velocity flow from the structure to a water course so that the natural physical, chemical, biological functions and characteristics are maintained and protected.
- 46 Soil series for the project site and their delineation.
Soil series delineations are required for the Plan review and can be found on the NRCS web site. The high accuracy survey required for the project site, such as a level three or level four survey for projects that will be using a high accuracy survey must be delineated on the Plan. The soil series delineation should be shown on the existing site Plan or the new Plan. A chart listing the soils located on the project should be shown on the sheet with their delineation.
- 47 The limits of disturbance for each phase of construction.
The limits of disturbance for the initial phase should delineate only the area required to be disturbed for the perimeter control and initial sediment storage. The intermediate phase should delineate the entire area to be disturbed for that phase, such as grading, drainage, utilities installed, etc. The final phase should delineate any additional areas to be disturbed such as individual lots, etc.
- 48 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, a retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site is achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not provided must be included in the Plan for each common drainage location in which a sediment basin is not provided.

justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment yield when using equivalent controls. When discharging from sediment basins and impoundments, permittees shall not utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the plan.

For each common drainage location, a temporary (or permanent) sediment basin (Sd3, Sd4, Rt, or excavated trap) with at least 67 cubic yards of storage per acre drained, or equivalent control measures, shall be provided until the outlet structure is installed. The 67 cubic yards of storage per acre does not apply to flows from off-site areas and flows from areas that are either undisturbed or have undergone final stabilization where such flows are diverted around both the area and the sediment basin. Sediment basins may not be appropriate for some common drainage locations. A written justification explaining the decision not to use sediment basins must be included in the Plan. Worksheets must be completed and shown on the Plan or attached to the Plan for each temporary sediment basin design project. All cross sections and details required per the Manual for Sd3's must be shown on the ES&PC detail sheet. Completed worksheets from the Manual must be shown on the Plan for each retrofit and excavated trap. When the design professional chooses to use equivalent controls the calculations used to obtain the required sediment yield per acre drained must be included on the Plan. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.

49 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend. BMPs for all phases of the Plan must be consistent with and no less stringent than the Manual and shown on the Plan with uniform coding symbols from the Manual. The uniform coding symbols legend from the Manual must be included and shown on detail sheet or any of the ES&PC Plan sheets.

50 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines in the Manual for Erosion and Sediment Control in Georgia. The erosion and sediment control detail sheet must show a detailed drawing for each structural BMP. All BMPs and details shown must, at a minimum, meet the guidelines given in the Manual. Note that a worksheet is provided in the Manual for most structural BMPs that must be included on the ES&PC Plan or detail sheet.

51 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting rates, seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year and for the appropriate geographic region of Georgia. Must be shown on ES&PC Plan, on the ES&PC detail sheet or under ES&PC notes.

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items will be waived.

Effective January 1, 2017

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
COMMON DEVELOPMENT CONSTRUCTION PROJECTS (Primary and Tertiary Permittees)**

SWCD: _____

Project Name: _____ Address: _____

City/County: _____ Date on Plans: _____

Plan Page #	Included Y/N
----------------	-----------------

TO BE SHOWN ON ES&PC PLAN

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
<i>(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 2 Level II certification number issued by the Commission, signature and seal of the certified designer.
<i>(Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan reviewed)</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 3 Limit of disturbance shall be no greater than 50 acres at any one time without prior written approval from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time must include at least 4 of the BMPs listed in Appendix 1 of this checklist.*
<i>(A copy of the written approval by EPD must be attached to the Plan for the Plan to be reviewed)</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls. |
| <input type="checkbox"/> | <input type="checkbox"/> | 5 Provide the name, address and phone number of the primary permittee or tertiary permittee. |
| <input type="checkbox"/> | <input type="checkbox"/> | 6 Note total and disturbed acreage of the project or phase under construction. |
| <input type="checkbox"/> | <input type="checkbox"/> | 7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in degrees. |
| <input type="checkbox"/> | <input type="checkbox"/> | 8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who made the revisions. |
| <input type="checkbox"/> | <input type="checkbox"/> | 9 Description of the nature of construction activity. |
| <input type="checkbox"/> | <input type="checkbox"/> | 10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific areas if necessary. |
| <input type="checkbox"/> | <input type="checkbox"/> | 11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, wetlands, marshlands, etc. which may be affected. |
| <input type="checkbox"/> | <input type="checkbox"/> | 12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 18 of the permit. |
| <input type="checkbox"/> | <input type="checkbox"/> | 13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on pages 17 & 18 of the permit. |
| <input type="checkbox"/> | <input type="checkbox"/> | 14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to insure the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days of installation."* |
| <input type="checkbox"/> | <input type="checkbox"/> | 15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot stream buffers as measured from the point of wooded vegetation or within 25-feet of the coastline as measured from the Jurisdictional Determination Line without first acquiring the necessary permits." |
| <input type="checkbox"/> | <input type="checkbox"/> | 16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required. |

- 17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.
- 18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, authorized by a section 404 permit."
- 19 Clearly note statement that "The escape of sediment from the site shall be prevented by the ins erosion and sediment control measures and practices prior to land disturbing activities."
- 20 Clearly note statement that "Erosion control measures will be maintained at all times. If full imp approved Plan does not provide for effective erosion control, additional erosion and sediment c measures shall be implemented to control or treat the sediment source."
- 21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days s stabilized with mulch or temporary seeding."
- 22 Indication that the applicable portion of the primary permittees ES&PC Plan is to be provided to secondary permittee prior to the secondary conducting any construction activity and that each e shall sign the Plan or portion of the Plan applicable to their site. List the names and addresses o permittees.*
- 23 Any construction activity which discharges storm water into an Impaired Stream Segment, or w mile upstream of and within the same watershed as any portion of an Biota Impaired Stream S comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs tha those areas of the site which discharge to the Impaired Stream Segment.*
- 24 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segme item 23 above) at least six months prior to submittal of NOI, the ES&PC Plan must address an conditions or requirements included in the TMDL Implementation Plan.*
- 25 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehi of the drum at the construction site is prohibited.
- 26 Provide BMPs for the remediation of all petroleum spills and leaks.
- 27 Description of the measures that will be installed during the construction process to control poll water that will occur after construction operations have been completed.
- 28 Description of the practices that will be used to reduce the pollutants in storm water discharges
- 29 Description and chart or timeline of the intended sequence of major activities which disturb soil: portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing ac excavation activities, utility activities, temporary and final stabilization).
- 30 Provide complete requirements of inspections and record keeping by the primary permittee or t permittee.
- 31 Provide complete requirements of sampling frequency and reporting of sampling results.*
- 32 Provide complete details for retention of records as per Part IV.F. of the permit.
- 33 Description of analytical methods to be used to collect and analyze the samples from each loca
- 34 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
- 35 Delineate all sampling locations if applicable, perennial and intermittent streams and other wat which storm water is discharged. *
- 36 A description of appropriate controls and measures that will be implemented at the constructio (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading

BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase.

37 Plan addresses BMPs for all phases of common development including individual building lots etc. regardless of who owns or operates the individual sites. Include a typical and any situation applicable.

38 Graphic scale and North arrow.

39 Existing and proposed contour lines with contour lines drawn at an interval in accordance with t

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100ft or larger scale	Flat 0 - 2% Rolling 2 - 8% Steep 8% +	0.5 or 1 1 or 2 2,5 or 10

40 Use of alternative BMPs whose performance has been documented to be equivalent to or superior conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Ground and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document www.gaswcc.org.

41 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 for Erosion & Sediment Control in Georgia 2016 Edition.

42 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.

43 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.

44 Delineation and acreage of contributing drainage basins on the project site.

45 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.

46 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction completed. *

47 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharge erosion. Identify/Delineate all storm water discharge points.

48 Soil series for the project site and their delineation.

49 The limits of disturbance for each phase of construction.

50 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Storage volume must be in place prior to and during all land disturbance activities until final stabilization site has been achieved. A written justification explaining the decision to use equivalent controls if a sediment basin is not attainable must be included in the plan for each common drainage location if a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not also be given. Worksheets from the Manual must be included for structural BMPs and all calculations. The design professional to obtain the required sediment storage when using equivalent controls discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the plan.

51 Location of Best Management Practices that are consistent with, and no less stringent than, the Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 1 legend.

52 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.

53 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for year that seeding will take place and for the appropriate geographic region of Georgia.

*This requirement of the Common Development permit is not applicable to Tertiary Permittees for a typical individual lot(s), if the total land disturbance within the construction site is less than one (1) acre and the total land disturbance within each individual lot is less than one (1) acre. If applicable, item would be N/A.

Effective January 1, 2017

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
COMMON DEVELOPMENT CONSTRUCTION PROJECTS (Primary and Tertiary Permittees)**

SWCD: _____

Project Name: _____ Address: _____
City/County: _____ Date on Plans: _____

Plan Page #	Included Y/N
-------------	--------------

TO BE SHOWN ON ES&PC PLAN

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
<i>(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 2 Level II certification number issued by the Commission, signature and seal of the certified design professional
<i>(Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed. The Level II certification must be issued to the Design Professional whose signature and seal are on the Plan)</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 3 Limit of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the District Office. If EPD approves the request to disturb 50 acres or more at any one time, the plan must include the BMPs listed in Appendix 1 of this checklist.*
<i>(A copy of the written approval by EPD must be attached to the Plan for the Plan to be reviewed.)</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution control.
<i>May be shown on ES&PC Plan sheets and/or ES&PC notes.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 5 Provide the name, address and phone number of the primary permittee or tertiary permittee.
<i>May be shown on cover sheet, ES&PC Plan or under ES&PC notes.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 6 Note total and disturbed acreage of the project or phase under construction.
<i>Must be shown on ES&PC Plan or under ES&PC notes.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal coordinates.
<i>GPS location of the construction exit must be shown on cover sheet and may also be shown on ES&PC Plan sheets and/or ES&PC notes. It must match the NOI.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revision.
<i>The initial Plan date should be shown on all pages. With each resubmittal the revision date and entity requested should be shown on cover sheet and each sheet that has been revised.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 9 Description of the nature of construction activity.
<i>Provide a description of the existing site and a description of the proposed project. These must be shown on cover sheet and under ES&PC notes.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if applicable.
<i>Site location must be delineated showing surrounding area roads and highways. If the project is being done in phases, each individual phase must be delineated and labeled. This information is important for Plan reviewers if needed, or if the site needs to be located on another map.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | 11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, reservoirs, wetlands, marshlands, etc. which may be affected.
<i>The name of the initial receiving water(s) or if unnamed the first named blue line stream indicated on the a USGS Topographic map, and when the discharge is through a municipal separate storm sewer system (MS4) the name of the local government operating the municipal separate storm sewer system and the name of the receiving water body which receives the discharge from the MS4, and the permittee's determination of whether the receiving water supports warm water fisheries or is a trout stream. Describe any neighboring area which could be affected by post-developed runoff from the site.</i> |

- 12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 18 of the permit.
The following statement and the signature of the design professional must be shown on the ES&PC Plan notes. "I certify under penalty of law that this Plan was prepared after a site visit to the locations described or my authorized agent, under my supervision."
- 13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for a and comprehensive system of BMPs and sampling to meet permit requirements as stated on pages 17 & .
The following statement and the signature of the design professional must be shown on the ES&PC Plan notes. "I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate comprehensive system of Best Management Practices required by the Georgia Water Quality Control Act "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for the the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management and sampling methods is expected to meet the requirements contained in the General NPDES Permit No.
- 14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the initial sediment storage requirements and perimeter control BMPs within 7 days after installation."*
The Plan must include a statement indicating that the primary permittee must retain the design professional; the Plan, except when the primary permittee has requested in writing and EPD has agreed to an alternate professional, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs design professional designed within seven (7) days after installation. The design professional shall determine BMPs have been installed and are being maintained as designed. The design professional shall report the inspection to the primary permittee within seven (7) days and the permittee must correct all deficiencies within business days of receipt of the inspection report from the design professional unless weather related site conditions such that additional time is required.
- 15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed buffers as measured from the point of wooded vegetation or within 25-feet of the coastal marshland buffer from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
See Part IV. EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (I) and (II) on pages 15, 16 of the permit and show under ES&PC notes.
- 16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
When the project requires an approved buffer variance from the GA EPD, an indication shall be shown on the Plan. A description of the encroachment activity must be shown on the ES&PC Plan or under ES&PC notes.
- 17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect hydraulic component must be certified by the design professional."
See part IV. C. on page 21 & 22 of the permit. This can be clarified in a narrative and shown under ES&PC Plan. Revisions or amendments should be submitted to the Local Issuing Authority for review.
- 18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as section 404 permit."
The Plan must include a description of how waste materials, including waste building materials, construction debris, concrete washout, excavated sediment, etc., will be properly disposed of. Any disposal of solid waste to the State is prohibited unless authorized by a Section 404 permit.
- 19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of sediment control measures and practices prior to land disturbing activities."
Must be shown on ES&PC Plan or under ES&PC notes.
- 20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation

Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."

Must be shown on ES&PC Plan or under ES&PC notes.

21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stat or temporary seeding."

Must be shown on ES&PC Plan or under ES&PC notes.

22 Indication that the applicable portion of the primary permittees ES&PC Plan is to be provided to each seco prior to the secondary conducting any construction activity and that each secondary shall sign the Plan or Plan applicable to their site. List the names and addresses of all secondary permittees.*

The Plan must contain a list of and contact information for all secondary permittees and a statement that t shall provide a copy of the Plan (and any subsequent revisions to the Plan) to each secondary permittee. include a section for each secondary to sign indicating that they have made a written acknowledgement of Plan and a copy of the acknowledgement must be kept in the primary's records.

23 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linee of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site to the Impaired Stream Segment.*

If any storm water associated with construction activities discharges into an Impaired Stream Segment tha for the criteria violated, "Bio F" (Impaired Fish Community) and/or "Bio M" (Impaired Macroinvertebrate Co within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff), Plan must include at least four (4) of the BMPs listed in Part III.C.2. (a) - (t) of the Permit. The Impaired St should be delineated on the ES&PC Plan. Georgia's most current and subsequent "305(b)/303(d) List Do can be veiwed on the GAEPD website. www.gaepd.org/Documents/305b.html

24 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identific above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific condi requirements included in the TMDL Implementation Plan.*

List of TMDL Implementation Plans can be viewed on the GAEPD website, www.gaepd.org. The TMDL In Plan for sediment should be delineated on the ES&PC Plan.

25 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Wash at the construction site is prohibited.

When the project allows the concrete washdown of tools, concrete mixer chutes, hoppers and rear of the v project site delineate the location of the area provided for washing and provide detail of BMPs that will be i project does not allow the concrete washdown on the project site, note that on the Plan.

26 Provide BMPs for the remediation of all petroleum spills and leaks.

The Plan must provide BMPs and guidance for the prevention of spills and leaks of petroleum products fro where such products are stored or used as well as guidance for the proper remediation of any spills and le occur. This information can be in the form of a separate Spill Prevention/Spill Response document so long information accompanies the Plan.

27 Description of the measures that will be installed during the construction process to control pollutants in st will occur after construction operations have been completed.

The Plan must contain a description of the measures that will be installed during the construction process in storm water that will occur after construction operations have been completed. These may include storr and retention structures, use of vegetated swales and natural depressions for flow attenuation or a combir practices (sequential systems). The Plan must also include a technical explanation of the basis used to se practices where flows will exceed pre-development levels. The Plan must indicate that velocity dissipator

placed at discharge locations and along the length of any outflow channel in order to provide a non-erosive flow so that the natural physical and biological characteristics and functions of the water course are maintained and protected. Installation of these devices may be subject to Section 404 of the Federal Clean Water Act.

Note: The permittee is only responsible for the installation and maintenance of storm water management structures during final stabilization of the site and not the operation and maintenance of such structures after construction is completed.

- 28 Description of the practices that will be used to reduce the pollutants in storm water discharges.
The Plan must identify all potential sources of storm water pollution expected to be present on the site and narrative explaining how the pollutants will be minimized in the storm water discharges.
- 29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the entire site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, temporary and final stabilization).
Activity schedule must be site specific. The narrative description and timeline for each phase of construction on ES&PC Plan sheet or under ES&PC notes.
- 30 Provide complete requirements of inspections and record keeping by the primary permittee or tertiary permittee.
The Plan must include all of the inspections and record keeping requirements of the primary permittee or tertiary permittee as stated in Part IV.D.4.a. on page 25 of the Permit. The complete inspection and record keeping requirements must be shown on the Plan under ES&PS notes.
- 31 Provide complete requirements of sampling frequency and reporting of sampling results.*
See page 31 Sampling Frequency and page 32 section E. Reporting in the permit. Complete sampling frequency and reporting requirements are to be shown on the Plan under ES&PC notes.
- 32 Provide complete details for retention of records as per Part IV.F. of the permit.
See page 33 section F. Retention of Records in the permit. Complete details of retention of records are to be shown on the Plan under ES&PC notes.
- 33 Description of analytical methods to be used to collect and analyze the samples from each location.*
This narrative must be shown on the Plan under ES&PC notes and shall include quality control/assurance and precise sampling methodology for each sampling location.
- 34 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
When the permittee has determined that some or all outfalls will be monitored, a rationale must be shown on the Plan under ES&PC notes which includes the NTU limit(s) selected from Appendix B. This rationale must include the size of the construction site, the calculation of the size of the surface water drainage area, and the type of receiving water body (e.g., trout stream or supporting warm water fisheries).
- 35 Delineate all sampling locations if applicable, perennial and intermittent streams and other water bodies in which storm water is discharged. *
The Plan shall include a USGS topographic map, a topographic map or a drawing (referred to as a topographic map) at a scale equal to or more detailed than a 1:24000 map showing the locations of the site or the common boundary of the site. The map must include (a) the location of all perennial and intermittent streams and other water bodies as shown on the topographic map, and all other perennial and intermittent streams and other water bodies located during the construction phase, into which the storm water is discharged and (b) the receiving water and/or outfall sampling location. If the permittee has chosen to use a USGS topographic map and the receiving water(s) is not shown on the topographic map, the location of the receiving water(s) must be hand-drawn on the USGS topographic map showing the location where the storm water(s) enters the receiving water(s) to the point where the receiving water(s) combines with the receiving water(s) shown on the USGS topographic map.
- 36 A description of appropriate controls and measures that will be implemented at the construction site including

sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase.

The Plan must be shown in a minimum of three phases with each phase shown on a separate sheet. Initial phase of Plan must include the required 67 cy per acre sediment storage, construction exit, tree-save fence if applicable, and other BMPs necessary to prevent sediment from leaving the site such as silt fence, inlet protection on existing structures, diversions, check dams, temporary ground cover, etc. Limits of disturbance for the initial phase should show the areas needed to install initial BMPs. The intermediate phase should show rough grading and utility construction. It should include initial inlet protection, additional silt fence as needed, any revised sediment storage needed if basins are altered, outlet protection, retrofit if applicable, matting with temporary or permanent vegetation, temporary down drains, filter rings, etc. Final phase of Plan should show finished grade, curbing and paving, and building construction if applicable, etc. BMPs should include permanent vegetation, appropriate inlet protection, etc. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and the final BMPs are the same, the Plan may combine all of the BMPs into a single phase. The Plan will include appropriate staging and access requirements for construction equipment.

37 Plan addresses BMPs for all phases of common development including individual building lots and out-parcels, regardless of who owns or operates the individual sites. Include a typical and any situational lots applicable to the plan. The Erosion, Sedimentation & Pollution Control plans for a common development is designed for the life of the development and must include practices to be implemented by all secondary permittees involved, whether the primary permittee owns the land rights or not. This includes providing an ES&PC Plan for typical and situational lots to the secondary permittee (builder) who purchases a lot from the primary permittee (developer). Situational lots include, but are not limited to, lots adjacent to State waters buffers (in which a double row of Type S sediment barrier is required adjacent to wetlands, lots with an extreme grade, etc.

38 Graphic scale and North arrow.

The graphic scale and North arrow must be clearly shown on all phases of the ES&PC Plan sheets.

39 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft
1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Steep 8% +	2, 5 or 10

The initial, intermediate and final phase sheets of the Plan must show the proposed grade in bold contour lines above intervals overlaying the original contour lines. Elevations of both the existing and proposed contour lines must be shown.

40 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.

Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov

41 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.

Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.

42 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.

The State Law of Georgia mandates these minimum undisturbed buffers, but the Local Issuing Authorities may require more stringent buffers of State waters. The minimum undisturbed buffers required by the State are:

of State waters required by the issuing authority must be delineated. Any undisturbed buffer area that is impacted by the project site must be noted on the Plan.

43 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.

ALL STATE WATERS LOCATED ON AND WITHIN 200 FEET OF THE PROJECT SITE MUST BE DELIN

ALL PHASES OF THE PLAN. When a project is located in a jurisdiction with a certified Local Issuing Authority, the LIA must make a determination of State waters that are not delineated on the plan, the Plan review could

beyond the full forty-five day review time allowed to the LIA, or the full thirty-five day review time allowed to the District is reviewing the plan. For all projects in a jurisdiction where there is no certified Local Issuing Authority that project, EPD is responsible for State waters determinations and there is no time limits for reviewing the ALL WETLANDS LOCATED WITHIN THE PROJECT SITE ONLY MUST BE DELINEATED.

If the Local Issuing Authority requires an undisturbed buffer of wetlands, delineate required buffer.

44 Delineation and acreage of contributing drainage basins on the project site.

All existing drainage basins on the project site and their acreage must be delineated on the existing condition initial phase of the Plan. As the basins are altered or new ones created during intermediate and final phases, basins and their acreage must be delineated throughout each phase of the Plan.

45 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*

Hydrology study and drainage maps should be separate from the Plan. Maps should include each individual drainage basin, showing its location, area, and flow direction, with each one delineated, labeled and showing its total acreage.

46 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities completed. *

The Plan must provide both pre- and post-construction estimates of the runoff coefficient or peak discharge flow. This can be in the form of a hydrologic study so long as that study is made a part of the Plan and accompanied by a complete hydrologic study is not a required element of the Plan, only the pre and post-construction estimates of the runoff coefficient or peak discharge flow for the site.

47 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without Identify/Delineate all storm water discharge points.

The storm-drain pipe and weir velocities must show the flow characteristics of the pipe at full flow including flow rate (cfs), velocity (fps), and tailwater conditions. This information should be shown in a chart shown on the ES&PC intermediate phase sheet or on the ES&PC detail sheet that shows outlet protection. The dimensions of the apron must include length (La), width at the headwall (W1), down-stream width (W2), stone diameter (d50), and stone depth (D) designed in accordance with Figures 6-24.1 and 6-24.2 in the Manual. Velocity dissipation devices shall be placed at all discharge locations and along the length of any outfall channel for the purpose of providing a non-erosive velocity flow from the structure to a water course so that the natural physical biological functions and characteristics are maintained and protected.

48 Soil series for the project site and their delineation.

Soil series delineations are required for the Plan review and can be found on the NRCS web site. The high resolution survey required for the project site, such as a level three or level four survey for projects that will be using a high resolution survey, must be delineated on the Plan. The soil series delineation should be shown on the existing site Plan or the new Plan. A chart listing the soils located on the project should be shown on the sheet with their delineation.

49 The limits of disturbance for each phase of construction.

The limits of disturbance for the initial phase should delineate only the area required to be disturbed for the perimeter control and initial sediment storage. The intermediate phase should delineate the entire area to be disturbed for that phase, such as grading, drainage, utilities installed, etc. The final phase should delineate any additional areas disturbed such as individual lots, etc.

50 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site achieved. A written justification explaining the decision to use equivalent controls when a sediment basin must be included in the plan for each common drainage location in which a sediment basin is not provided justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees shall utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw from the surface are not feasible, a written justification explaining this decision must be included in the plan. For each common drainage location, a temporary (or Permanent) sediment basin (Sd3, Sd4, Rt, or excavated) with at least 67 cubic yards of storage per acre drained, or equivalent control measures, shall be provided until final stabilization of the site. The 67 cubic yards of storage per acre does not apply to flows from off-site areas and flows from areas that are either undisturbed or have undergone final stabilization where such flows are diverted around both the area and the sediment basin. Sediment basins may not be appropriate for some common drainage locations. A written justification explaining the decision not to use sediment basins must be included in the Plan. Worksheets must be completed and shown on the Plan or attached to the Plan for each temporary sediment basin design project. All cross sections and details required per the Manual for Sd3's must be shown on the ES&PC detail sheet. Completed worksheets from the Manual must be shown on the Plan for each retrofit and excavated trap. When the design professional chooses to use equivalent controls the calculations used to obtain the required sediment storage per acre drained must be included on the Plan. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the plan.

51 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend. BMPs for all phases of the Plan must be consistent with and no less stringent than the Manual and shown on the ES&PC Plan. The uniform coding symbols legend from the Manual must be included as a detail sheet or any of the ES&PC Plan sheets.

52 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines in the Manual for Erosion and Sediment Control in Georgia. The erosion and sediment control detail sheet must show a detailed drawing for each structural BMP. All BMPs and details shown must, at a minimum, meet the guidelines given in the Manual. Note that a worksheet is provided in the Manual for most structural BMPs that must be included on the ES&PC Plan or detail sheet.

53 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting, seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year and for the appropriate geographic region of Georgia. Must be shown on ES&PC Plan, on the ES&PC detail sheet or under ES&PC notes.

*This requirement of the Common Development permit is not applicable to Tertiary Permittees with a Plan for an individual lot(s), if the total land disturbance within the construction site is less than five (5) acres and the disturbance within each individual lot is less than one (1) acre. If applicable, the * checklist item would be N/A.

Effective January 1, 2017

APPENDIX 1

THE ES&PC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BMPS FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO A IMPAIRED STREAM SEGMENT AND FOR SITES WHICH EPD HAS APPROVED IN WRITING A REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME.

The four items chosen must be appropriate for the site conditions.

Plan Page #	Included Y/N	
<input type="checkbox"/>	<input type="checkbox"/>	a. During construction activities, double the width of the 25 foot undisturbed vegetated buffer along all State waters requiring a buffer and the 50 foot undisturbed vegetated buffer along all State waters classified as "trout streams" requiring a buffer. During construction activities, EPD will not grant variances to any such buffers that are increased in width.
<input type="checkbox"/>	<input type="checkbox"/>	b. Increase all temporary sediment basins and retrofitted storm water management basins to provide sediment storage of at least 3600 cubic feet (134 cubic yards) per acre drained.
<input type="checkbox"/>	<input type="checkbox"/>	c. Use baffles in all temporary sediment basins and retrofitted storm water management basins to at least double the conventional flow path length to the outlet structure.
<input type="checkbox"/>	<input type="checkbox"/>	d. A large sign (minimum 4 feet x 8 feet) must be on the site on the actual start date of construction visible from a public roadway identifying the construction site, the permittee(s), and the contact person(s) and telephone number(s) until a NOT has been submitted.
<input type="checkbox"/>	<input type="checkbox"/>	e. Use anionic polyacrylamide (PAM) and/or mulch to stabilize areas left disturbed for more than seven (7) calendar days in accordance with Part III. D.1. of the NPDES Permit.
<input type="checkbox"/>	<input type="checkbox"/>	f. Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24 hour period, recognizing the exceptions specified in Part IV.D.6.d. of the NPDES Permits.
<input type="checkbox"/>	<input type="checkbox"/>	g. Comply with the applicable end-of-pipe turbidity effluent limit, without the "BMP defense" as provided for in O.C.G.A. 12-7-6 (a)(1).
<input type="checkbox"/>	<input type="checkbox"/>	h. Reduce the total planned site disturbance to less than 50% impervious surfaces (excluding any State-mandated buffer areas from such calculations). All calculations must be included on the plan.
<input type="checkbox"/>	<input type="checkbox"/>	i. Limit the amount of disturbed area at any one time to no greater than 25 acres or 50% of the total planned site, whichever is less. All calculations must be included on the plan.
<input type="checkbox"/>	<input type="checkbox"/>	j. Use "Dirt II" techniques available on the EPD website, www.gaepd.org (e.g., seep berms, sand filters, anionic PAM) to model and manage construction storm water runoff (including sheet flow). All calculations must be included on the Plan.
<input type="checkbox"/>	<input type="checkbox"/>	k. Add appropriate organic soil amendments (e.g., compost) and conduct pre- and post-construction soil sampling to a depth of six (6) inches to document improved levels of soil carbon after final stabilization of the construction site.
<input type="checkbox"/>	<input type="checkbox"/>	l. Use mulch filter berms, in addition to a silt fence, on the site perimeter wherever construction storm water (including sheet flow) may be discharged. Mulch filter berms cannot be placed in waterways or areas of concentrated flow.
<input type="checkbox"/>	<input type="checkbox"/>	m. Apply the appropriate Georgia Department of Transportation approved erosion control matting or blankets bonded fiber matrix to all slopes steeper than 3:1. All graphical illustrations must be included on the Plan.
<input type="checkbox"/>	<input type="checkbox"/>	n. Use appropriate erosion control matting or blankets instead of concrete in all construction storm water ditches and storm drainages designed for a 25 year, 24 hour rainfall event.
<input type="checkbox"/>	<input type="checkbox"/>	o. Use anionic PAM under a passive dosing method (e.g., flocculant blocks) within construction storm water ditches and storm drainages that feed into temporary sediment basins and retrofitted management basins.
<input type="checkbox"/>	<input type="checkbox"/>	p. Install sod for a minimum 20 foot width (in lieu of seeding) after final grade has been achieved, along the site perimeter wherever storm water (including sheet flow) may be discharged.
<input type="checkbox"/>	<input type="checkbox"/>	q. Conduct soil tests to identify and to implement site-specific fertilizer needs.
<input type="checkbox"/>	<input type="checkbox"/>	r. Certified personnel for primary permittees shall conduct inspections at least twice every seven (7) calendar days.

days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Part IV.D.4.a.(3).(a) - (c); secondary permittees, Part IV.D.4.b.(3). (a) - (c); and tertiary permittees Part IV.D.4.c.(3).(a) - (c). *

- s. Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of the construction activity.
- t. Use alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the State Soil and Water Conservation Commission). (If using this item please refer to the Alternative BMP guidance document found at www.gaswcc.georgia.gov)
- u. Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any state mandated buffer areas from such calculations). All calculations must be included in the plan.

Effective January 1, 2017

* This requirement is different for infrastructure projects.

Certified personnel for primary permittees shall conduct inspections at least once every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Part IV.D.4.a.(3).(a) - (c) of this permit.



PLAN REVIEW # _____

EROSION SEDIMENT & POLLUTION CONTROL PLAN REVIEW
SOIL AND WATER CONSERVATION DISTRICT

DATE ON PLANS	LIA	DATE RECEIVED
TOTAL PROJECT ACRES	TOTAL DISTURBED ACRES	
NAME OF PROJECT		ADDRESS (INCLUDING COUNTY)
SPECIFIC INFORMATION ON PROJECT (GPS Location)		
DESIGN PROFESSIONAL	LEVEL II CERTIFICATION/EXPIRATION DATE	SOIL SERIES
APPLICANT	ADDRESS	PHONE NUMBER

REPORT OF TECHNICAL REVIEW

_____ The Erosion Sediment and Pollution Control Plan for the above named project or activity meets the requirements of the Erosion and Sediment Control Ordinance or Rules and Regulations Governing Land-Disturbing Activities in The (City/County) of (LIA) under the provisions of the Erosion and Sedimentation Act of 1975, as amended.

_____ The Erosion Sediment and Pollution Control Plan for the above named project or activity does not meet the requirements in The (City/County) of (LIA) through failure to include the following:

> Any questions, comments, or concerns regarding this plan review should be addressed to:

Technical review by: _____
 Level II Certification #/Expiration Date: _____
 Organization: _____
 Date: _____

The technical review as accomplished and reported above was done at the request of and is concurred in by the _____ Soil and Water Conservation District.

DISTRICT SUPERVISOR	DATE
---------------------	------