Checklists for Land Disturbance Permit Applicants

Article 8 of the Powder Spring Unified Development Code (UDC) requires that any person or entity that intends to remove vegetation, clear, grade, excavate or fill land over 1 acre must obtain a land disturbance permit from the City of Powder Springs Community Development Department. The land disturbance permit has 3 distinct component steps and involves outside review partners, that transmit several complex plans/documents to and from different locations. The checklist below outline the steps and necessary approvals that are required by the City and its outside review partners.

The Community Development Department coordinates the land disturbance review process with the City's Public Works Department, that currently performs development/land disturbance permit reviews related to City infrastructure (roadways, sidewalks, water and sewer or other utilities). This review may be periodically enhanced or supplemented by reviews from the City's Engineering Consultant. For those projects that may be accessing or impacting a Cobb County or State of Georgia maintained roadway, the Community Department coordinates such review with the respective departments of transportation. For those respective projects that fall outside of the City's Water and Sewer Service Boundary, the Community Development Department coordinates such review with the Cobb County Water System. The Community Development Departments coordinates all applications for development/land disturbance permits with the Cobb County Fire Marshal for life safety code compliance.

Step 1

The requirements for obtaining a land disturbance permit generally require a person or entity to hire a design professional, licensed to practice in the State of Georgia, ie- Landscape Architect, Professional Engineer, Registered Architect or Certified Professional in Erosion and Sediment Control (CPESC). To download a copy of the City's application for a Land Disturbance Permit and associated fees, please visit:

www.cityofpowdersprings.org/680/Land-Disturbance-Application-Documents

The design professional will need to refer to the UDC for items that must be addressed or identified on the plans submitted for a land disturbance permit. For convenient reference, applicants for land disturbance permits may also download the City's Combined Plan Review Checklist at:

Prior to contacting the Community Development Department about the status of a land disturbance permit process, a person or entity (or the design professional coordinating the preparation of the land disturbance permit application) should verify the following:

- Has the application for land disturbance permit been properly completed, signed by the applicant and provided to the city.
- Have at least 4 copies of the plans been provided and received, reviewed and approved by the outside review partners including:
  - The Georgia Soil and Water Conservation Commission
  - The Cobb County Water System
  - The Cobb County Department of Transportation
  - The Cobb County Fire Marshal
- Have the fees been paid to the outside review partners including:
  - The Georgia Environmental Protection Division (EPD)
  - The Cobb County Water System
  - The Cobb County Department of Transportation
  - The Cobb County Fire Marshal
  - The Georgia Department of Transportation
- Has the applicant property completed an Soil and Erosion Control Affidavit
- Has the applicant properly completed a Notice of Intent (NOI) with the Georgia EPD
- Has the applicant properly completed a Stormwater Management Inspection and Maintenance Agreement
- Has the applicant provided the required surety instruments (bonds, letters of credit) required as part of the land disturbance permit application process
- Are all of the county and city property taxes paid

Step 2

It is important to note that after obtaining a land disturbance permit, a person or entity will be required to contact the City of Powder Springs to conduct a Pre-Construction Conference **PRIOR TO CONDUCTING ANY LAND DISTURBANCE ACTIVITY ON THE SITE.**

During this Pre-Construction Process the applicant will be directed to:

- Install preliminary phases of an Erosion, Sedimentation and Pollution Control Plan approved as part of the land disturbance permit.
- The applicant will also need to have the design professional that prepared the Erosion, Sedimentation and Pollution Control Plan certify the plan's initial implementation.

After completing these two steps, the applicant will be issued a Grading Permit and is authorized to conduct land disturbing activity on the site.

Step 3

The final step in the land disturbance permit process is obtaining a Certificate of Completion.

Prior to contacting the Community Development Department about the status of a Certificate of Completion, a person or entity (or the design professional/general contractor coordinating the construction of the land disturbance activity) should verify the following:

- Has the applicant/owner provided a Maintenance Bond Guaranty (equal to 20% of the construction costs) for all site improvements such as storm drainage, paving, water and sewer installation-approved by Powder Springs Community Development.
- Has the applicant/owner provided a Performance Guaranty or Paving Fee for incomplete construction improvements (equal to 110% of estimated construction costs)-approved by Powder Springs Community Development
- Has the applicant/owner provided as built drawings of the infrastructure improvements (water, sewer, stormwater, detention)-accepted by Powder Springs Public Works or the Cobb County Water System.
- Has the applicant installed all required street name signs and street lights-accepted by Powder Springs Public Works or the Cobb County Department of Transportation.

City of Powder Springs

Combined **Plan Review Checklist**

Date Plans		**Date Plans**		**Reviewed b**	

Project Name			
Street Address			
Land Lot(s)		**District**	
Total Property Area		**Total Disturbed Area**	

Owner			**Contact**		
Street					
City		**State**		**Zip**	
Phone			**Fax**		
E-mail					

Developer			**Contact**		
Street					
City		**State**		**Zip**	
Phone			**Fax**		
E-mail					

Engineer			**Contact**		
Street					
City		**State**		**Zip**	
Phone			**Fax**		
E-mail					

Plan Revisions

Revision #					
Date Plans		**Date Plans**		**Reviewed by**	
Revision #					
Date Plans		**Date Plans**		**Reviewed by**	

Plan Transmittals

Transmittal #					
Date Plans		**Date Plans**		**Transmitted To**	
Transmittal					
Date Revisions		**Date Rev's**		**Transmitted To**	

Please note that the checklists that follow are based on the City of Powder Springs Unified Development Code, the Erosion, Sedimentation & Pollution Control Checklists developed by the Georgia Soil and Water Conservation Commission and the Cobb County Development Standards (for projects requiring approval by The Cobb County Department of Transportation, The Cobb County Water System, The Cobb County Fire Marshal's Office and the Cobb County Health Department.

- **<u>Cover Sheet Checklist</u>**

- Provide project name.
- Provide developer's name, contact person, address, telephone, fax, e-mail.
- Provide owner's name, contact person, address, telephone, fax, e-mail.
- Provide designer's name, contact person, registration number, address, telephone, fax, e-mail.
- Provide designer's seal and signature.
- Provide surveyor's name, contact person, registration number, address, telephone, fax, e-mail.
- Provide project name.
- Provide 24-hour emergency contact name and number in bold print.
- Provide location map (maximum scale 1" = 2,000') delineating roadways, railroads, residential areas, jurisdictional boundaries, streams and rivers, 100-year floodplain limits, and trout streams.
- Provide location of property (street address, district, land lot, parcel ID, GPS Coordinates).
- Provide North arrow
- Provide Scale (minimum scale 1" = 100")
- Provide drawing date.
- Provide revision block.
- Provide total site area and disturbed area.
- Provide current zoning of site.
- Provide proposed zoning of site, if applicable.
- Provide rezoning/variance/special use conditions, approval numbers, and approval dates, if applicable.
- Provide description of existing and proposed uses of the site.
- Provide preliminary plat/site plan certifications (if applicable)
- Provide Certificate of Project Approval.
- Provide Health Department Certification, if septic tanks are to be used.
- Provide note that all construction will comply with the Americans with Disabilities Act (ADA) and that the City of Powder Springs accepts no responsibility for said act, except for notification.

- **Community Development - Planning and Zoning Checklist**

- Provide current zoning of site.
- Provide closed property boundary showing bearings and distances of all property lines
- Show adjacent property information including subdivision name, lot numbers, block letters, property owners, zoning, land uses, etc.
- Provide proposed zoning of site, if applicable.
- Provide rezoning/variance/special use conditions, approval numbers, and approval dates, if applicable.
- Provide description of existing and proposed uses of the site.
- Provide density, floor area, floor area ratio, number of units, unit sizes, etc.
- Provide building height of all proposed buildings.
- Provide note that any buildings or structures proposed will not be permitted until Design Review required by UDC is properly applied for and approved.
- Provide boundary survey of entire property. Include date of survey and source of datum.
- Provide north arrow.
- Provide graphic scale.
- Provide distance from property corner to nearest right-of-way intersection.
- Show and label the following site information: Lot lines.
- Setback lines.
- Required Buffers
- State or show land lot lines and district on the plans. If it is not possible to show land lot lines on the plans, please provide a legal "tie down" for the property; e.g., intersection of two right-of-ways distance and bearing from property to land lot line intersection or right-of-way intersection

- Show and label all proposed parking areas.
- Provide parking calculations, including required and proposed number of parking stalls. Label typical parking stall dimensions.
- Provide dimensions of drive aisles.
- Provide handicap-accessible parking spaces.
- Provide minimum parking lot pavement section
- Provide curb and gutter in all parking areas.
- Show and label dumpster location(s), if applicable. Provide screening for dumpster using materials to match exterior finish of front of principal structure. Screening is to extend a minimum of 6 inches above the highest point on the dumpster.
- Provide standard note that Signage will be permitted separately and will comply with Article 7 of the UDC.
- Show any boundaries of an adjacent cemetery
- Provide note that any construction trailers will be permitted by the City of Powder Springs

- **Public Works Checklist**

- Show and label all natural features on site (or state that none exist on site):
- Streams, including top of bank.
- Drainage channels, bodies of water, wooded areas, rock outcroppings, etc.
- 100-year flood plain limits.
- Wetlands.
- Protected groundwater recharge areas.
- Direction of flow for all water courses within property and entering or leaving the property.
- Show and label all existing on-site and adjacent site features:
- Street names, railroads, right-of-way widths, and pavement widths. B. Easements (access, utility, etc.).
- City and County boundary lines.
- Buildings, bridges, sidewalks, and all other above-ground site features.
- Driveways on same side and on opposite side of all streets adjacent to this project.
- Show and label all proposed on-site and adjacent streets.
- Provide street names. Proposed street names shall not duplicate existing street names in Cobb
- County or any of its cities, irrespective of the use of a suffix.
- Provide right-of-way widths.
- Provide pavement widths.
- Curb and gutter are required on all new streets and new construction on existing streets, including acceleration and deceleration lanes and travel lane widenings.
- Provide typical pavement cross-section and curb detail.
- Provide certification that adequate horizontal and vertical sight distance exists in accordance with the Unified Development Code.
- Provide centerline road profile, with plan view showing street layout, pavement and right-of-way width, curvature, and required drainage facilities.
- Where sanitary or storm sewer are to be installed within a street, the slope, size, location, and bedding class of pipe, and the location and invert elevations of manholes shall be indicated on the profile.
- For extension of existing streets, include elevations at 50 foot intervals for at least 200 ft. All plan elevations shall be coordinated and sited into U.S. Coast and Geodetic Survey or Georgia Department of Transportation bench marks.
- Provide typical street section (for new streets and for street widening).

- Provide street striping plan for any street newly constructed or widened to 4 or more lanes.
- Cul-de-sacs shall be no more than 600' long, and shall terminate in a circular turnaround having a min. right-of-way of at 100' in diameter and a paved turnaround with a min. outside diameter of 88'.
- Show and label all proposed driveways.
- Number of access points is not to exceed one per 300 LF of road frontage for all State and U.S. roads, and is not to exceed one per 200 LF of road frontage for all other roads.
- Width of driveway is not to exceed 10 feet for single- or multi-family residential developments, and is not to exceed 40 feet for all other developments.
- Provide centerline to centerline offset from proposed driveways to nearest adjacent driveway.
- Provide dimension from centerline of proposed driveways to nearest right-of-way intersection.
- Provide acceleration/deceleration lanes and/or offset radii and tapers per
- Provide a sight visibility triangle at every street intersection with another street or private driveway.
- Show and label all proposed sidewalks.
- Place sidewalks on north and east sides of road.
- Provide minimum 5' wide and 4" thick concrete sidewalks.
- Show and label all proposed easements (utility, access, etc.)
- Show and label all proposed buildings, bridges, and all other above-ground site features.
- Show and label all proposed water quality/detention ponds.
- Provide note: "Domestic water supply provided by _____"
- Provide note: "Sanitary sewer service provided by _____"
- If site is not served by a public sanitary sewer system, show and label the location and results of percolation tests (provide report from certified soils scientist).
- Provide the following general notes:
- Construction equipment shall not be parked in required right-of-way and must be stored within the site.
- If medians/islands are to be planted, minimum intersection site distance requirements must be satisfied and will be maintained by the homeowners' association or the developer. These landscape plans must have verification of a minimum site distance.
- Contractor shall restore roadway shoulders to minimum City of Powder Springs or Cobb County specifications.
- Roadway and driveway crossings shall be bored and cased.

- Initial submittal shall include any proposed offsite water mains. Final submittal shall include copies of all off-site recorded easements.
- Site plan of the proposed development, including all future phases showing streets, street names, lot layout (if residential subdivision) or building location (if multi-family, commercial, or industrial), scale, north arrow, land lot lines, and district.
- The initial set of plans shall include a single plan sheet (sheet No. 2) which depicts the entire project layout showing preliminary construction phases.
- Locations, sizes, and materials of existing and proposed water mains, valves, meters, service lines, fire hydrants and other appurtenances on and surrounding the proposed project.
- Minimum scale shall be 1"= 20'; maximum scale shall be 1"= 100'.
- The plans must have the seal of the Georgia Registered Professional Engineer or Land Surveyor, who designed the system.

- Show existing fire hydrants on both sides of all entranceways to the property. Commercial property requires a hydrant to be located within 500 feet of the furthermost portion of structures, measured, as fire equipment would travel. Any new hydrant must meet Cobb County Water System specifications and may be required on private property behind a detector-check fire line meter.
- For non-residential subdivisions or structures, note if building is to have installed sprinklers. If domestic sprinkler is used, the installer must be approved by Fire Marshal's Office and be noted on the plans:
- *"**SPRINKLERED PER NFPA-13-R and/ or NFPA-13"***, whichever standard is applicable.
- For non-residential subdivisions, provide a clear flat (10-foot minimum) access to all parts of the structure.
- Non-residential property may require a fire lane designation. An 8" x 11" drawing (does not have to be to scale) of the site plan must be submitted when the structural plans are submitted for architectural approval.
- Fire flow test results shown on the Water Plan.
- Commercial plans also require 24-hour record of water pressure.
- Proposed sizes, locations, and materials of water mains and service laterals. No other utilities should appear on the water plan layout sheet if such utilities tend to confuse or complicate the plans.
- Location and size of vacuum and air release valves (to be installed at highest points in the system).
- Location of thrust blocks, where needed.
- Specify method and tie-in locations with existing mains.
- Contours in feet above MSL shall be shown on Water Plan. The contour interval shall not be greater than five feet.
- Commercial projects require double backflow devices on domestic mains between the meter and the structure. Note on plans that they are installed by the developer/owner.
- Show nearest valves on the existing main that will need to be closed to make the proposed tie-in and/or the proposed live tap location.
- Show the total square footage under roof for commercial or industrial development.
- Show easements or right-of-way dedicated to the City or County for water lines to serve adjacent properties, also include on final plat.
- Where underground power service is provided, water system plans will not be approved by the City of Powder Springs or Cobb County until the water facilities layout has been reviewed by the power company and a letter so stating is furnished to either the City of Powder Springs or the Cobb County Water System.
- Name of the Sewerage Basin(s) within which the proposed development is located (to be provided by the City of Powder Springs or the Cobb County Water System).
- Proposed sizes, locations, and materials of sewer lines and service lines.
- Commercial plans must show building usage, square feet/seating/number of employees on plan.
- Creek crossings require full scale details at 1"= 20' minimum including piers, collars, and all other appurtenances. Rip-rap and other erosion control devices will be required for all disturbed areas. Provisions shall be required to ensure that any activity which takes place within the creek channel shall have an appropriately designed diversion of creek flows around the affected area until the disturbed stream bed/banks are stabilized.
- Minimum sewer line depth in the roadway will have 72 inches of cover.
- Maximum depth of the sewer line in the roadway is 18 vertical feet. The maximum depth of a sewer line outside of the roadway is 25 vertical feet.
- The maximum allowable distance between manholes is 350 linear feet.
- Ductile Iron Pipe is required for all outside drop manholes, last joint of pipe at all drop manholes greater

than two feet, when clearances between sanitary sewer and storm drain crossings are two feet or less, or where depth of sewer line is greater than 18 feet or less than three feet of cover. Minimum depth of ductile iron pipe is two feet.

- All food service operations are required to install, operate, clean, and maintain sufficiently sized oil and grease separator (grease trap) to prevent obstruction or otherwise interfere with the proper operation of the sanitary sewer collection system and treatment plants.
- Show easements or right-of-way dedicated to the City or County for sewer lines to serve adjacent properties, also include on final plat.
- If the project is to be served by an on-site sewage disposal system with a proposed capacity of 10,000 gpd or less, an extra set of construction plans must be submitted separately to the Cobb County Office of Environmental Health located at 3830 South Cobb Drive, Suite 102, Smyrna, Georgia. On- site sewage disposal systems with a proposed capacity greater than 10,000 gpd must be reviewed and approved by the State Environmental Protection Division (GaEPD). A letter of non-availability from the City of Powder Springs or the Engineering/Records Division of the Cobb County Water System must accompany the application for review by the Health Department or the GaEPD. Other types of projects requiring the review and approval of this department are listed elsewhere in this document.
- Show all phases of the development. In the event the subdivision is developed in phases, the final construction plans for sewers may be submitted in phases or units. However, at the time the first phase is submitted, the engineer will need to submit one copy of the preliminary layout that demonstrates that the entire development can be served by sewer. The layout should also demonstrate how the sewer could serve surrounding property if extended through the subject property. This layout should show all lines required to serve any lots to be developed and any surrounding property that may be served through the property. The site plan for each phase or unit shall contain a location drawing showing the relationship of the phase or unit to the total project and to the surrounding streets and sewer outfalls.
- Sanitary Sewer profile including:
- Location and names of streets, sewers, and drainage easements.
- The location and elevation of adjacent parallel streambeds and of adjacent lake surfaces shall be shown on the plan and profile.
- Line of existing and proposed ground surface, grade of the sewer between each two adjacent manholes, invert of sewer in and out of each manhole and surface elevation of each manhole. Number all manholes on plan to correspond with number on profile.
- Sizes, locations, and inverts of all special features such as connections to existing sewers, concrete encasement, collar walls, elevated sewers, piers, special manhole covers such as vented outfall or sealed covers, etc.
- Initial submittal shall include any proposed offsite sewer and all structures within twenty feet of the center line of such proposed sewer. Final submittal shall include copies of all off-site recorded easements.
- All structures, both above and below ground, which might interfere with the proposed construction, particularly water mains, gas mains, storm drains, utility conduits, etc.
- The plans must have the seal of the Georgia Registered Professional Engineer or Land Surveyor who designed the system.
- Provide all stream crossings and storm drain outlets with elevations of the streambed
- Provide details of all special sewer joints and cross sections.
- Provide details of special sewer appurtenances such as manholes, service connections, elevated sewers, piers, pipe bedding, special highway crossings, railroad crossings, etc.
- Provide the following construction details/notes:
- Water/sewer station

- DOT typical standard
- Show 10 foot "No Access Easement" along the rear of all double frontage lots along a classified roadway
- Show the location of all existing and proposed utilities and easements (aerial and underground). All power poles shall be relocated to within two feet of the required right-of-way. The relocation of the existing pole shall be clearly identified by a proposed pole location on the plan
- Provide easement agreements for the following:
- Work in power company easement
- Work in gas company easement
- Off-site work
- Common use of driveways (cross access)
- Provide interparcel access easements
- Provide the following general notes:
- The contractor shall maintain driveway access and postal service throughout the duration of the project.
- The contractor shall restore the roadway shoulders to minimum City of Powder Springs and/or Cobb County specifications.
- All roadway and driveway crossings shall be bored and cased.
- If permission is obtained to open-cut the street for utility installation, the typical street cut repair detail per Cobb County Standards and Specifications must be provided on the construction plans
- Construction details for storm drainage systems and appurtenant works shall comply with the latest standards approved and promulgated by the Georgia Department of Transportation in *Standard Specifications (for) Construction of Roads and Bridges*, latest edition
- Construction details for dams and appurtenant works shall comply with those promulgated by the U.S. Department of Interior, Bureau of Reclamation in *Design of Small Dams*, latest edition or other accepted design criteria

- **Grading/Storm Water Management Plan Checklist**

- Provide developer's name, contact person, address, telephone, fax, e-mail.
- Provide designer's name, contact person, registration number, address, telephone, fax, e-mail.
- Provide designer's seal and signature.
- Provide project name.
- Provide location map (maximum scale 1" = 2,000') delineating roadways, railroads, residential areas, jurisdictional boundaries, streams and rivers, 100-year floodplain limits, and trout streams.
- Provide location of property (street address, district, land lot, parcel ID, GPS coordinates).
- Provide drawing date.
- Provide revision block.
- Provide legal description of property.
- Provide total site area and disturbed area.
- Provide description of existing and proposed uses of the site.
- Provide north arrow.
- Provide graphic scale (maximum scale allowed is 1 inch = 50 feet).
- Provide site grading plans superimposed over existing topographic survey.

- Provide adjacent property information. Include recorded deed names and zoning district classifications.
- Show and label buffer limits.
- Show and label all natural features on site (or state that none exist on site) including:
    - Drainage channels
    - bodies of water, wooded areas, rock outcroppings, etc. B. 100-year flood plain limits.
    - Wetlands.
- Provide wetlands certification, if required.
- Section 404 permit is required if development area is within 50 feet of wetlands.
- Designate any protected groundwater recharge areas.
- Show direction of flow for all water courses within property and entering or leaving the property.
- Show and label all existing on-site and adjacent site features:
- Show and label street names, railroads easements, and right-of-way widths.
- Show and label buildings, bridges, sidewalks, and all other above-ground site features.
- Show and label existing and proposed contour lines (based on U.S. Coastal and Geodetic Survey).
- For sites smaller than 1 acre:
- Show direction of drainage.
- Provide spot elevations at all breaks in grade.
- Provide spot elevations along drainage channels/swales at points a max. of 100 ft. apart. For sites 1 acre and larger with slopes less than 2%, provide spot elevations along drainage channels or swales at points a maximum of 100 feet apart.
- For sites 1 acre and larger with slopes greater than 2%, provide contours at a maximum 5-foot contour interval.

- Fill slopes shall be no greater than 3H:1V, and cut slopes shall be no greater than 2H:1V.
- Show and label all proposed easements (utility, access, etc.)
- Provide minimum 20 foot easement for open storm water conveyance channels.
- Provide minimum 10 foot easement for piped storm water conveyance channels. (p. 8-5)
- Show and label all proposed buildings, bridges, and all other above-ground site features (including all impervious surfaces).
- Show and label all existing and proposed inlets, catch basins, headwalls, and other drainage structures.
- Street water runoff shall be designed using the gutter spread formula, and shall be limited to a max. distance as follows: 500' on grades up to 7%, 400' on grades from 7% to 10%, 250' on grades over 10%.
- Provide typical construction details for all drainage structures. All structures shall be designed to State Highway Standards.
- Provide size, material, slope, and invert elevations of all existing and proposed storm sewer lines.
- Provide certification of storm drain pipe sizes by professional engineer.
- Storm drains shall be designed using the 25-year storm event.
- When a spring, creek, or other watercourse traverses the property, storm drains shall be designed using the 100-year storm event.
- Storm drain pipes must be a minimum of 18" in diameter when running under a street.
- Provide storm sewer pipe profiles.
- Provide 100-year hydraulic grade line for pipes that cross streets or are detention basin outfalls. Provide 25-year hydraulic grade line for all other pipes.
- Provide minimum clearance of 1 foot, measured from the bottom of the base or sub-base of the road and the exterior crown of the pipe.
- Storm drainage pipes shall be sloped so as to maintain a minimum velocity of 3 fps.
- Exit velocities from storm drain pipes shall not exceed 10 fps without additional energy dissipaters (not including required riprap).
- Maximum continuous length of pipe shall be 300 feet for pipes less than 42 inches in diameter.
- Storm pipe in the right-of-way must be reinforced concrete pipe.
- Storm pipe outside of the right-of-way may be non-reinforced concrete pipe or fully coated metal pipe.
- State Highway Standard 1030D (or most current) shall be used to determine class (concrete) or gauge of pipe under fill, method of backfilling, and pipe installation.
- Provide 100-year ponding limits above each street cross drain.
- Provide a profile and cross-sections every 50' for all man-made ditches between storm drain pipes or downstream of storm drain pipes.
- Provide the velocity and flow at each cross-section.
- Storm water velocity may not exceed 5 fps unless the ditch is lined.
- Provide riprap at all downstream discharge points of storm drains.
- Minimum length = 6 X discharge pipe diameter. B. Minimum width = 2 X discharge pipe diameter.
- Bridges shall be designed using the 100-year storm event.

- Show and label all proposed water quality/detention ponds.
- Storm water detention facilities in residential subdivisions shall be located on a separate lot, and owned by a homeowner's association that is responsible for its maintenance and proper operation. Provide a 10' wide access road around the full circumference of the pond.
- Provide access to storm water management facilities from public right-of-way. Access shall be at least 12' wide, have a maximum slope of 15%, be appropriately stabilized to withstand maintenance equipment and vehicles, and extend to the forebay, safety bench, and outlet control structure, as applicable. Provide maintenance access easement, as necessary.
- For ponds, more than 4' deep, provide a 6' chain link or privacy fence with a 10' wide access gate.
- Provide storm water detention facility design and construction details (including cross-section of detention facility).
- Provide size and location of all existing and proposed utility lines. Include material, slope, and invert elevations of sanitary sewer lines.
- Show and label limits of disturbed area. Identify protective fencing and/or staking.
- Provide certification by a registered land surveyor or professional engineer, attesting that "the site plan has been prepared in conformity with the minimum standards of the Unified Development Code of Powder Springs, Georgia."
- Provide certification by developer that "all clearing, grading, drainage, construction, and development shall be conducted in strict accordance with the plan."
- Provide an operations and maintenance plan for all storm water facilities, detailing specific actions and recommended schedule.
- Provide a reconstruction schedule for temporary and permanent facilities (reference schedule to other activities such as clearing, rough grading, construction, final grading, and vegetation establishment).
- Provide an inspection and maintenance agreement for any water quality/detention ponds if they are not to be dedicated to the City.
- Provide a cost estimate for construction of all storm water management facilities and for annual cost of the maintenance of said facilities.
- Provide a performance bond, cash escrow, irrevocable letter of credit, or other acceptable form of performance security for storm water management facilities.
- Provide a soils investigation report, if required to do so by the Director of Public Works.

- Detention facilities shall be designed such that the peak rate of flow from the site after development will not exceed the corresponding flow that would have been created by the 2-, 10-,
- 25-, and 100-year return frequency storms prior to development.
- Provide note that storm water runoff control, water quality design, and stream channel protection design are to be per the Georgia Stormwater Management Manual.
- Provide pre- and post-development drainage basin maps.
- Provide methodologies used, assumptions made, and supporting design calculations used in hydrologic analysis and design of all storm water conveyance elements and management systems. M. Provide narrative describing how the selected structural storm water controls will be appropriate and effective.

- Provide a copy of the Stormwater Quality Site Development Review Tool spreadsheet to demonstrate how the project will meet the Georgia Stormwater Management Manual's requirements for total suspended solids reduction.
- Provide exhibit showing the location and boundaries of proposed natural feature protection and conservation areas. Provide documentation and calculations for any applicable site design credits that are being utilized.
- Provide stage/storage table for all water quality/detention ponds.
- Include discussion of existing conditions downstream of the detention pond and an explanation of how downstream property owners will not be adversely affected by the "concentrated" runoff.
- Perform 10% study at all exit points.
- If the capacity of any downstream drainage structures is inadequate, the developer must either improve the downstream drainage structure or provide additional storage in the detention facility.

- Provide the following additional notes/details:
- "Storm pipe installation shall conform to Georgia Department of Transportation Standard Specifications for construction of roads and bridges. Before any traffic over a storm drain is allowed, the developer shall provide an adequate depth and width of compacted backfill to protect the structure from damage or displacement. The developer shall remove any debris or silt that constricts the flow through a pipe as often as necessary to maintain drainage. All pipe structures shall be cleaned before the work is accepted. Any damage or displacement that may occur due to traffic or erosion shall be repaired or corrected at the developer's expense."
- "Trench construction for storm drainage pipe shall be in accordance with State Highway Standard
- 1030D (or most current)."
- "Storm drain pipe shall be bedded in Type 57 gravel."
- "Changes in construction plans caused by field conditions shall be made at the direction of the
- City Inspector with the cost of such changes to be paid by the developer."
- "It shall be the responsibility of the developer to maintain all facilities required by the storm water management plan during construction and for a one-year maintenance period following approval of the final subdivision plat or issuance of a certificate of occupancy, as applicable. The developer shall be responsible for removing temporary structures or facilities at the completion of construction."
- "The owners of the property shall be responsible for maintaining the permanent facilities identified by the storm water management plan to remain after construction is complete, following the one-year maintenance period."
- "Upon completion of the project, and before a certificate of occupancy shall be granted, the developer is responsible for providing certification by a Professional Engineer that the completed project is in accordance with the approved storm water management plan. 'As-built' plans for any storm water management facilities are required to be submitted after final construction is completed. A final inspection by the City is required before the release of any performance securities can occur."
- "Upon final inspection and approval of storm water management facilities, a plat or document indicating the existence of any required maintenance access easements shall be recorded and shall remain in effect even with the transfer of title of the property."

- **Community Development - Tree Preservation and Replacement Plan Checklist**

- Provide developer's name, contact person, address, telephone, fax, e-mail.
- Provide owner's name, contact person, address, telephone, fax, e-mail.
- Provide landscape architect's name, contact person, registration number, address, phone, fax, e-mail.
- Provide designer's seal and signature.
- Provide project name.
- Provide location of property (street address, district, land lot, parcel ID, GPS coordinates).
- Provide drawing date.
- Provide revision block.
- Provide total site area, disturbed area, and net site area to which tree conservation requirements apply.
- Provide north arrow.
- Provide graphic scale (maximum scale allowed is 1 inch = 50 feet).
- Provide boundary survey of entire property. Include date of survey and source of datum.
- Provide adjacent property information. Include recorded deed names and zoning district classifications.
- Show landscape strip boundaries.
- Show and label all natural features on site (or state that none exist on site):
- Show and label all proposed easements (utility, access, etc.). Include off-site easements that may be affected by proposed tree plantings.
- Show and label all proposed buildings, bridges, and all other above-ground site features.
- Show and label all proposed water quality/detention ponds.
- Show and label all proposed parking areas.
- Any parking lot designed or intended to accommodate five (5) cars or more is required to provide landscape islands or strips and to provide shade trees within or adjacent to the parking lot.
- Landscape islands, strips, or other planting areas shall be located within the parking lot and shall constitute at least 10% of the entire area devoted to parking spaces, aisles, and connected driveways. Provide calculations.
- As a minimum, a landscaping island shall be located at the end of every parking bay between the last parking space and an adjacent travel aisle or driveway. The island shall be no less than 8 feet wide for at least one-half the length of the adjacent parking space.
- Landscape islands between side-by-side parking spaces shall be no less than 8 feet wide for at least one-half the length of the adjacent parking space. Label island width.
- Landscape strips between head-to-head parking spaces shall be no less than 5 feet wide, and provided with wheel stops in the spaces such that no vehicular overhang is permitted.
- Shade trees shall be provided at a ratio of at least one (1) tree unit per 8 parking spaces, or portion thereof. Provide calculations.
- Trees must be placed such that every parking space is within 40 feet of a shade tree, measured from the center of the tree to any point within the parking space.
- New trees shall have a minimum caliper of 2 inches upon planting.
- Tree planting areas shall be no less than 8 feet wide at their widest point and shall provide at least 200 square feet of usable planting area per tree. Label planting areas in SF. ix. No tree shall be located less than 2 feet from the back of curb.

- All parking lot landscape islands, strips, or other planting areas shall be curbed per City specifications.
- Lighting standards in and surrounding parking lots shall not conflict with tree locations, considering the height and breadth of trees normally achieved at maturity and their root systems. Lighting shall not be placed in an island where a tree is provided.
- Any parking lot designed or intended to accommodate five (5) cars or more, and any area set aside for loading or unloading of trucks or vans, which are visible from a street right-of-way, is required to provide a landscaped visual screen of the parking lot or loading area.
- Provide decorative visual screening that is 100% opaque and three (3) feet above the elevation of the parking/loading area or the street, whichever is higher. If the parking/loading area is three (3) feet or more below the street shoulder at a point no less than six (6) feet nor more than 20 feet from the street right-of-way line, no screening is required.
- New shrubs shall be at least 18 inches tall at the time of planting, and be certified by a registered Landscape Architect to be of a species that will normally exceed two (2) feet in height at maturity and are suitable for the parking lot application.
- Hedges and walls must be set back at least 4 feet from the street right-of-way line.
- Provide a planting plan showing the location, size, and common name of proposed plant materials.
- Provide a planting schedule.
- Provide methods to be employed to protect the critical root zones of trees in natural buffers from disturbance during construction, including fencing details, erosion control, signage, etc. Refer to the Protection of Existing Trees Section of the Landscaping, Buffers, and Tree Conservation Article of the UDC.
- Provide supplemental plantings as required to maintain opaque visual screen required in natural buffers.
- Provide the following items for all structural buffers:
- Grading and construction details for earthen berms, walls, and fences that are proposed as part of the visual screen.
- Location, size, and common name of all existing plant materials to be retained that contribute to meeting the minimum requirements for buffers.
- Typical cross-sections of the buffer, illustrating the improvements proposed and typical locations of vegetation.
- All earthen berms shall have a maximum slope of 2H:1V.
- Earthen berms shall not be constructed within the drip line of any existing trees to remain.
- Trees shall be planted within any structural buffer at a density of no less than one (1) tree unit per 30 feet of buffer length, or portion thereof. Provide calculations.
- New deciduous trees shall have a minimum caliper of 2 inches upon planting, and new evergreens shall be at least 5 feet tall when planted.
- Fences and freestanding walls must be set back at least 2 feet from the property line.
- Provide a buffer between any multi-family or non-residential development along a side or rear lot line that abuts a less intense land use, as required by the UDC:

- Buffer areas shall contain no driveways, parking areas, patios, storm water detention facilities, or any other structures or accessory uses except for a fence, wall, or earthen berm constructed to provide

any required visual screening.

- Show and label each specimen tree to be removed.
- Include common name and tree size in DBH.
- Submit written documentation indicating the reason for the removal for approval by the Public Works Department.
- Replace specimen trees to be removed on an inch-by-inch basis by minimum 4-inch caliper trees.
- Show and label each specimen tree to remain and be protected. Include all trees or tree stands that are submitted for credit toward the tree conservation requirement. Include common name and size in DBH.
- In heavily wooded areas that will not be disturbed, provide the boundaries of each stand of trees and a list of trees in each stand that are submitted for credit by number and size.
- Where grade changes or other work adjacent to a specimen tree may affect it adversely, provide drawings or descriptions as to how the grade, drainage, and aeration will be maintained around the tree.
- Projects 5 acres or more in size must be cleared only in phases. (Sec. 5-18(a)(5))
- Provide calculations showing compliance with the tree unit requirements of the Tree Conservation
- Division of the Landscaping, Buffers, and Tree Conservation Article of the Unified Development Code.
- Provide a number of tree units per acre of development site or disturbed area or disturbed area, whichever is less.

- The calculation of development site or disturbed area shall exclude any area within a required greenway or buffer, and any area within a utility easement, wetland, or area of special flood hazard. Provide inventory of all trees that are to be counted toward meeting density requirements. Trees shall be at least 4 inches DBH to be counted toward meeting density requirements.
- A min. of four species of tree shall be used, unless approved to use fewer species by City Arborist. Flowering ornamental species are typically not acceptable for use in meeting density requirements.
- Pine trees may not comprise more than 50% of the required tree units per acre. Where existing pine trees already comprise 50% or more of the required units, no more pine trees may be credited toward the required units.
- Provide minimum pervious root zones as follows: overstory trees (200-250 SF), understory trees (150 SF), planting strips (5 foot minimum width). Label planting areas in SF.
- Trees planted within publicly maintained street rights-of-way may not be counted toward the tree density requirement for a site.

- Provide a minimum 8-foot wide landscape strip along the full length of any street frontage of a multi-
- family or non-residential development (CBD zoning district excepted).
- Frontage landscape strip shall contain no structures, parking areas, patios, storm water detention facilities, or any other accessory uses except for the following: Retaining walls or earthen berms constructed as part of an overall landscape design, pedestrian-oriented facilities such as sidewalks, underground utilities, fire hydrants, driveways required to access the property, and signs otherwise permitted by the Unified Development Code.
- All portions of a frontage landscape strip shall be planted in trees, shrubs, grass, or ground cover, except for those ground areas that are mulched or covered by permitted structures.
- Provide trees at the rate of one (1) tree unit per 40 feet of length of street frontage, or portion thereof (excluding driveways). Provide calculations.
- New trees shall have a minimum caliper of two (2) inches upon planting.
- Provide shrubs at the rate of ten (10) shrubs per 60 feet of length of street frontage, or portion thereof (excluding driveways). Provide calculations.
- New shrubs shall be at least 18 inches tall at the time of planting, and be certified by a registered
- Landscape Architect to be of a species that will normally exceed two (2) feet in height at maturity.
- 38. Provide a minimum 8-foot wide landscape strip along any side lot line of a non-residential development (unless a buffer is otherwise required along the side lot line). The CBD zoning district is excepted. Landscape strip may be reduced to 4 feet in width if a continuous hedge is provided in lieu of trees, or if the landscaping strip is combined with another side yard landscaping strip of at least 4 feet width on the adjacent property.
- Side yard landscape strip shall contain no structures, parking areas, patios, storm water detention facilities, or any other uses except for the following: Retaining walls or earthen berms constructed as part of an overall landscape design, underground utilities, fire hydrants, and driveways required to access neighboring properties.
- All portions of a side yard landscape strip shall be planted in trees, shrubs, grass, or ground cover, except for those ground areas that are mulched or covered by permitted structures.
- Provide trees at the rate of one (1) tree unit per 40 feet of length, or plant the landscape strip with a continuous hedge (penetrated only by approved access drives and utility easements).
- Provide curb stops to prevent vehicle overhang, where required to protect planting areas & vegetation.
- Provide notes indicating the type of irrigation to be used.
- If irrigation is to be done by hand watering, show and label the location of water faucets or quick couplers that will be utilized.
- If an irrigation system is proposed, provide a separate irrigation plan. Show and label the location of lines and heads, the spray radius for each head, all valves (control, shut-off, drainage, etc.), timers, and rain sensors. Prominently display the name and telephone number of the responsible 24-hour emergency contact person.
- Show and label staging areas for parking, materials storage, concrete washout, debris burn, tub grinding.
- General standards for residential developments:
- All front, side, and rear yards of each residence shall be sod.
- Subdivision entrances shall be heavily and professionally landscaped and irrigated.

- Minimum open space area of 20% is required, and shall be preserved as such in perpetuity. Each lot in a proposed subdivision shall retain at least 10% of the existing tree canopy cover.
- General standards for commercial developments:
- Grass planted within landscape areas or otherwise shall be sod.
- HVAC and mechanical systems shall be incorporated into landscape plan and screened from view of adjacent properties and right-of-way.
- Dumpsters shall be screened using materials matching the exterior finish of the principal structure. Screening shall have a min. height of six inches above the highest point of the dumpster. D. At least 10% of the existing tree canopy cover must be retained. Provide calculations.
- Provide the following notes:
- "All tree protection devices must be installed and inspected prior to clearing, grubbing, or grading. Call the Powder Springs Public Works Department for an inspection."
- "Tree protection shall be vigorously enforced. No activities of any kind are to be allowed within any area shown to be undisturbed on this plan."
- "The retention and planting of trees as shown on this plan must be verified prior to issuance of a Certificate of Occupancy or acceptance of this project. Call the Powder Springs Public Works Department for an inspection."
- "Light poles and other permanent structures, except fire hydrants, are prohibited in parking lot islands."
- "A maintenancea inspection of trees will be performed after one full growing season from the date of final construction inspection. Project owners at the time of the maintenance inspection are responsible for compliance with the provisions of this plan and the Powder Springs Unified Development Code."
- Provide construction details for: Tree planting, shrub planting and tree protection fencing.

- **Erosion and Sedimentation Control Plan Checklist**

- See Current GSWCC Checklist

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

SWCD:_____

Project Name:_____ **Address:**_____

City/County:_____ **Date on Plans:**_____

Name & email of person filling out checklist:_____

Plan Page #	Included Y/N	
		TO BE SHOWN ON ES&PC PLAN
		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)
		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)
		3 Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization 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.* (A copy of the written approval by EPD must be attached to the plan for the Plan to be reviewed.)
		4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
		5 Provide the name, address, email address, and phone number of primary permittee.
		6 Note total and disturbed acreage of the project or phase under construction.
		7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
		8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
		9 Description of the nature of construction activity.
		10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
		11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
		12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 19 of the permit.
		13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 19 of the permit.*
		14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." in accordance with Part IV.A.5 page 25 of the permit.*
		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 wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
		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, 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 installation of 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 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 with mulch or temporary seeding."

☐ ☐ 22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those 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 Segment (identified in Item 22 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. Washout 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 pollutants in storm water that will occur after construction operations have been completed.*

☐ ☐ 27 Description of practices to provide cover for building materials and building products on site.*

☐ ☐ 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 soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).

☐ ☐ 30 Provide complete requirements of inspections and record keeping by the primary 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 location.*

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

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

☐ ☐ 36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial 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.*

37 Graphic scale and North arrow.

38 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

39 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.

40 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.*

41 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.

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

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

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

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

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

47 Soil series for the project site and their delineation.

48 The limits of disturbance for each phase of construction.

49 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 has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When 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.

50 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.

51 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.

52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time 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 be N/A.

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

SWCD:_____

Project Name:_____ **Address:**_____
City/County:_____ **Date on Plans:**_____
Name & email of person filling out checklist:_____

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
		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) **Permit IV.D.1 pg 26**
		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) The Level II certification must be issued to the Design Professional whose signature and seal are on the Plan.
		3 Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization 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.* (A copy of the written approval by EPD must be attached to the plan for the Plan to be reviewed.) **Permit IV.D.3 pg 27**
		4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls. May be shown on ES&PC Plan sheets and/or ES&PC notes. **Permit II.B.1.c pg 12**
		5 Provide the name, address, **email address**, and phone number of primary permittee. May be shown on cover sheet, ES&PC Plan or under ES&PC notes. **Permit II.B.1.b pg 12**
		6 Note total and disturbed acreage of the project or phase under construction. Must be shown on ES&PC Plan or under ES&PC notes. **Permit IV.D.2.c pg 27**
		7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees. GPS location of the construction exit must be shown on cover sheet and may also be shown on ES&PC Plan sheets and ES&PC notes. It must match the NOI. **Permit II.B.1.a pg 12**
		8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions. The initial Plan date should be shown on all pages. With each resubmittal, the revision date and entity requesting revisions should be shown on cover sheet and each sheet that has been revised.
		9 Description of the nature of construction activity. Provide a description of the existing site and a description of the proposed project. These must be shown on ES&PC Plan or under ES&PC notes. **Permit IV.D.2.a pg 27**
		10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary. 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 a site visit is needed, or if the site needs to be located on another map. **Permit IV.D.2.e pg 27**
		11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected. The name of the initial receiving water(s) or if unnamed, the first named blue line stream indicated on the appropriate 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(s) which receives the discharge from the MS4, and the permittee's determination of whether the receiving water(s)

supports warm water fisheries or is a trout stream. Describe any neighboring area which could be affected by the post-developed runoff from the site. **Permit IV.D.2.f pg 27**

12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 19** 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 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."

13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on **Part IV page 19** 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 document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the **Georgia** Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for the sampling of 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. GAR 100001."

14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of 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 who prepared the Plan, except when the primary permittee has requested in writing and EPD has agreed to an alternate design professional, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs which the design professional designed within seven (7) days after installation. The design professional shall determine if these 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 seven (7) days and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report from the design professional unless weather related site conditions are such that additional time is required. **Permit IV.A.5 pg 25**

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 wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
See **Part IV.(i) - (iv) on pages 19-24** 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 26** of the permit. This can be clarified in a narrative and shown under ES&PC notes. 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 authorized by a Section 404 permit."*
The Plan must include a description of how waste materials, including waste building materials, construction and demolition debris, concrete washout, excavated sediment, etc., will be properly disposed of. Any disposal of solid waste to waters of the State is prohibited unless authorized by a Section 404 permit. **Permit IV.D.3.c.(1) pg 30**

19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and 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 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 with mulch or temporary seeding."
Must be shown on ES&PC Plan or under ES&PC notes. **Permit IV.D.3.a.(1) pg 28**

22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III.C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
If any storm water associated with construction activities discharges into an Impaired Stream Segment that has been listed 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 ES&PC Plan must include at least four (4) of the BMPs listed in **Part III.C.2.a. - v.** of the permit. The Impaired Stream Segment(s) should be delineated on the ES&PC Plan. Georgia's most current and subsequent "305(b)/303(d) List Documents **(Approved)**' can be viewed on the GAEPD website (www.gaepd.org/Documents/305b.html) **Permit III.C.2.a. - v. pg 15-17**

23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 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.*
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. **Permit III.C.1 pg 15**

24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
When the project allows the concrete washdown of tools, concrete mixer chutes, hoppers and rear of the vehicles on the project site delineate the location of the area provided for washing and provide detail of BMPs that will be used. If the project does not allow the concrete washdown on the project site, note that on the Plan. **Permit IV.D.3.c.(6) pg 31**

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 any areas where such products are stored or used as well as guidance for the proper remediation of any spills and leaks that do occur. This information can be in the form of a separate Spill Prevention/Spill Response document so long as that information accompanies the Plan. **Permit IV.D.3.c.(5) pg 31**

26 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.*
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 storm water detention and retention structures, use of vegetated swales and natural depressions for flow attenuation or a combination of these practices (sequential systems). The Plan must also include a technical explanation of the basis used to select these practices where flows will exceed pre-development levels. The Plan must indicate that velocity dissipation devices will be 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. 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 devices prior to final stabilization of the site and not the operation and maintenance of such structures after construction activities have been completed. **Permit IV.D.3.b pg 29**

27 Description of practices to provide cover for building materials and building products on site.*

The Plan must contain a description of measures, such as plastic sheeting or temporary roofs, to cover building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials in order to minimize exposure to precipitation and to stormwater. **Permit IV.D.3.c.(2) pg 30**

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 provide a narrative explaining how the pollutants will be minimized in the storm water discharges. **Permit IV pg 24**

29 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, utility activities, temporary and final stabilization).
Activity schedule must be site specific. The narrative description and timeline for each phase of construction may be shown on ES&PC Plan sheet or under ES&PC notes. **Permit IV.D.2.b pg 27**

30 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 stated in **Part IV.D.4.a. on pages 31-33** of the permit. The complete Inspection and record keeping requirements shall be shown on the Plan under ES&PS notes.

31 Provide complete requirements of Sampling Frequency and Reporting of sampling results.*
See **Part IV.D.6.d pages 35-37** *Sampling Frequency* and **Part IV.E page 37** *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 **Part IV.F page 38** *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 is to be shown on the Plan under ES&PC notes and shall include quality control/assurance procedures and precise sampling methodology for each sampling location. **Permit IV.D.6.a. - c. pg 33-35**

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(s) (i.e., trout stream or supporting warm water fisheries). **Permit IV.D.6.a.(3) pg 33**

35 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) that is a scale equal to or more detailed than a 1:24000 map showing the locations of the site or the common development. The map must include (a) the location of all perennial and intermittent streams and other water bodies as shown on a USGS topographic map, and all other perennial and intermittent streams and other water bodies located during the mandatory field verification, into which the storm water is discharged and (b) the receiving water and/or outfall sampling locations. When 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 first blue line stream shown on the USGS topographic map. **Permit IV.D.6.a.(1) pg 33**

36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial 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 sediment storage requirements and 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 the Plan must include the required 67 cy per acre sediment storage, construction exit, tree-save fence if applicable and any 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 are to be only the areas needed to install initial BMPs. The intermediate phase should show rough grading and utility construction. BMPs should include initial inlet protection, additional silt fence as needed, any revised sediment storage needed as drainage basins are altered, outlet protection, retrofit if applicable, matting with temporary or permanent vegetation as needed, temporary down drains, filter rings, etc. Final phase of Plan should show finished grade, curbing and paving if applicable, 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 Plan. The Plan will include appropriate staging and access requirements for construction equipment. **Permit IV.D.3 pg 27**

☐ ☐ 37 Graphic scale and North arrow.

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

☐ ☐ 38 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 with the above intervals overlaying the original contour lines. Elevations of both the existing and proposed contour lines must be shown.

☐ ☐ 39 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 **Permit IV.D.3.a (4) pg 29**

☐ ☐ 40 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.

☐ ☐ 41 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 are allowed to require more stringent buffers of State waters. The minimum undisturbed buffers required by the State and all other buffers 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. **Permit IV.D.2.e pg 27**

☐ ☐ 42 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 and the 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 the District if the District is reviewing the Plan. For all projects in a jurisdiction where there is no certified Local Issuing Authority regulating that project, EPD is responsible for State waters determinations and there are no time limits for reviewing the Plan.
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.

43 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 conditions and/or on the initial phase of the Plan. As the basins are altered or new ones created during intermediate and fnal phases, the new basins and their acreage must be delineated throughout each phase of the Plan. **Permit IV.D.2.e pg 27**

44 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.

45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are 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 accompanies the Plan. A complete hydrologic study is not a required element of the Plan, only the pre and post-construction estimates of the run-off coefficient or peak discharge flow for the site. **Permit IV.D.2.d pg 27**

46 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 pipe diameter, 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), average stone diameter (d50), and stone depth (D) designed in accordance with Figures 6-34.1 and 6-34.2 in the Manual. These 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 for the purpose of providing a non-erosive velocity flow from the structure to a water course so that the natural physical and biological functions and characteristics are maintained and protected.

47 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 highest level of soil survey required for the project site, such as a level three or level four survey for projects that will be using septic systems, must be delineated on the Plan. The soil series delineation should be shown on the existing site Plan or the initial phase Plan. A chart listing the soils located on the project should be shown on the sheet with their delineation.

48 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 installation of 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.

49 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 has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written 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 storage when using equivalent controls. When 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.

For each common drainage location, a temporary (or Permanent) sediment basin (Sd3, Sd4, Rt, or excavated Sd2) providing at least 67 cubic yards of storage per acre drained, or equivalent control measures, shall be provided until final stabilization of the site. The 67cubic yards of storage per acre does not apply to flows from off-site areas and flows from on-site areas that are either undisturbed or have undergone final stabilization where such flows are diverted around both the disturbed 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 from the Manual must be completed and shown on the Plan or attached to the Plan for each temporary sediment basin designed for the project. All cross sections and details required per the Manual for Sd3's must be shown on the ES&PC detail section of the Plan. Completed worksheets from the Manual must be shown on the Plan for each retrofit and excavated inlet sediment trap. When the design professional chooses to use equivalent controls the calculations used to obtain the required 67 cubic yards 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. **Permit IV.D.3.a.(3) pg 28**

☐ ☐ 50 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.
BMPs for all phases of the Plan must be consistent with and no less stringent than the Manual and shown using uniform coding symbols from the Manual. The uniform coding symbols legend from the Manual must be included and may be shown on detail sheet or any of the ES&PC Plan sheets.

☐ ☐ 51 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.
The erosion and sediment control detail sheet must show a detailed drawing for each structural BMP shown on the Plan. 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.

☐ ☐ 52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding 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 would be N/A.

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD:_____

Project Name:_____ **Address:**_____

City/County:_____ **Date on Plans:**_____

Name & email of person filling out checklist:_____

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
		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)
		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)
		3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
		4 Provide the name, address, email address, and phone number of primary permittee.
		5 Note total and disturbed acreage of the project or phase under construction.
		6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
		7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
		8 Description of the nature of construction activity.
		9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
		10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
		11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit.
		12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit.*
		13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of the permit as applicable.*
		14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with Part IV.A.5 page 26 of the permit *
		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 wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
		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, 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 installation of 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 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 with mulch or temporary seeding."

22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those 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 Segment (identified in item 22 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. Washout 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 pollutants in storm water that will occur after construction operations have been completed.*

27 Description of practices to provide cover for building materials and building products on site.*

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 soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).

30 Provide complete requirements of inspections and record keeping by the primary 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 location.*

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

35 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 as applicable.*

36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial 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.*

37 Graphic scale and North arrow.

38 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

39 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.

40 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.*

41 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.

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

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

44 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.

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

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

47 Soil series for the project site and their delineation.

48 The limits of disturbance for each phase of construction.

49 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 has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written 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 storage when using equivalent controls. When 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.

50 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.

51 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.

52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of 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 be N/A.

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD:_____

Project Name:_____ **Address:**_____
City/County:_____ **Date on Plans:**_____
Name & email of person filling out checklist:_____

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
		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) **Permit IV.D.1 pg 28**
		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) The Level II certification must be issued to the Design Professional whose signature and seal are on the Plan.
		3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls. May be shown on ES&PC Plan sheets and/or ES&PC notes. **Permit II.B.1.c pg 13**
		4 Provide the name, address, **email address**, and phone number of primary permittee. May be shown on cover sheet, ES&PC Plan or under ES&PC notes. **Permit II.B.1.b pg 13**
		5 Note total and disturbed acreage of the project or phase under construction. Must be shown on ES&PC Plan or under ES&PC notes. **Permit IV.D.2.c pg 28**
		6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees. GPS locations of the beginning and end of the infrastructure project must be shown on cover sheet and may also be shown on ES&PC Plan sheets and ES&PC notes. It must match the NOI. **Permit II.B.1.a pg 13**
		7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions. The initial Plan date should be shown on all pages. With each resubmittal, the revision date, and the entity requesting revisions should be shown on cover sheet and each sheet that has been revised.
		8 Description of the nature of construction activity. Provide a description of the existing site and a description of the proposed project. These must be shown on ES&PC Plan or under ES&PC notes. **Permit IV.D.2.a pg 28**
		9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary. 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 a site visit is needed, or if the site needs to be located on another map. **Permit IV.D.2.e pg 28**
		10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected. The name of the initial receiving water(s) or if unnamed the first named blue line stream indicated on the appropriate 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(s) which receives the discharge from the MS4, and the permittee's determination of whether the receiving water(s) supports warm water fisheries or is a trout stream. Describe any neighboring area which could be affected by the **Permit IV.D.2.f pg 28**
		11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 21** 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 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 an appropriate

and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 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 document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the Georgia Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for the sampling of 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. GAR 100002."

13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of the 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: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent steams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GAR 100002, that the increase in the turbidity of each specific identified 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 installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 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 for 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 disturbed acreage of the "initial segment" of a linear infrastructure project must be equal to or greater than 10% of the total estimated disturbed acreage for the linear infrastructure project but not less than one(1) acre. The design professional shall determine if these 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 (2) business days of receipt of the inspection report from the design professional unless weather related site conditions are such that additional time is required. Part IV.A.5 pg 26

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 wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
See Part IV.(i) - (iv) on pages 21-25 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 27 of the permit. This can be clarified in a narrative and shown under ES&PC notes. 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 authorized by a Section 404 permit."*

The Plan must include a description of how waste materials, including waste building materials, construction and demolition debris, concrete washout, excavated sediment, etc., will be properly disposed of. Any disposal of solid waste to waters of the State is prohibited unless authorized by a Section 404 permit. **Permit IV.D.3.c.(1) pg 31**

19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and 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 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 with mulch or temporary seeding."
Must be shown on ES&PC Plan or under ES&PC notes. **Permit IV.D.3.a.(1) pg 29**

22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III.C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
If any storm water associated with construction activities discharges into an Impaired Stream Segment that has been listed 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 ES&PC Plan must include at least four (4) of the BMPs listed in **Part III.C.2.a. - v.** of the permit. The Impaired Stream Segment(s) should be delineated on the ES&PC Plan. Georgia's most current and subsequent "305(b)/303(d) List Documents **(Approved)**' can be viewed on the GAEPD website (www.gaepd.org/Documents/305b.html) **Permit III.C.2.a. - v. pg 17-19**

23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 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.*
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. **Permit III.C.1 pg 16**

24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
When the project allows the concrete washdown of tools, concrete mixer chutes, hoppers and rear of the vehicles on the project site, delineate the location of the area provided for washing and provide detail of BMPs that will be used. If the project does not allow the concrete washdown on the project site, note that on the Plan. **Permit IV.D.3.c.(6) pg 32**

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 any areas where such products are stored or used as well as guidance for the proper remediation of any spills and leaks that do occur. This information can be in the form of a separate Spill Prevention/Spill Response document so long as that information accompanies the Plan. **Permit IV.D.3.c.(5) pg 32**

26 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.*
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 storm water detention and retention structures, use of vegetated swales and natural depressions for flow attenuation or a combination of these practices (sequential systems). The Plan must also include a technical explanation of the basis used to select these practices where flows will exceed pre-development levels. The Plan must indicate that velocity dissipation devices will be 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. 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 devices prior to final stabilization of the site and not the operation and maintenance of such structures after construction activities have been completed. **Permit IV.D.3.b pg 30**

27 Description of practices to provide cover for building materials and building products on site.*
The Plan must contain a description of measures, such as plastic sheeting or temporary roofs, to cover building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials in order to minimize exposure to precipitation and to stormwater. **Permit IV.D.3.c.(2) pg 31**

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 provide a narrative explaining how the pollutants will be minimized in the storm water discharges. **Permit IV pg 25**

29 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, utility activities, temporary and final stabilization).
Activity schedule must be site specific. The narrative description and timeline for each phase of construction may be shown on ES&PC Plan sheet or under ES&PC notes. **Permit IV.D.2.b pg 28**

30 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 stated in **Part IV.D.4.a on pages 32-34** of the permit. The complete Inspection and record keeping requirements shall be shown on the Plan under ES&PS notes.

31 Provide complete requirements of Sampling Frequency and Reporting of sampling results.*
See **Part IV.D.6.d pages 38-39** *Sampling Frequency* and **Part IV.E page 40** *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 **Part IV.F pages 40-41** *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 procedures and precise sampling methodology for each sampling location. **Permit IV.D.6.a. - c. pg 34-38**

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(s) (i.e., trout stream or supporting warm water fisheries). **Permit IV.D.6.a.(3) pg 34**

35 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) that is a scale equal to or more detailed than a 1:24000 map showing the locations of the site or the common development. The map must include (a) the location of all perennial and intermittent streams and other water bodies as shown on a USGS topographic map, and all other perennial and intermittent streams and other water bodies located during the mandatory field verification, into which the storm water is discharged and (b) the receiving water and/or outfall sampling locations. When 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 first blue line stream shown on the USGS topographic map. **Permit IV.D.6.a.(1) pg 34**

36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial 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 sediment storage requirements and 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 the Plan must include the required 67 cy per acre sediment storage, construction exit, tree-save fence if applicable and any 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 are to be only the areas needed to install initial BMPs. The intermediate phase should show rough grading and utility construction. BMPs should include initial inlet protection, additional silt fence as needed, any revised sediment storage needed as drainage basins are altered, outlet protection, retrofit if applicable, matting with temporary or permanent vegetation as needed, temporary down drains, filter rings, etc. Final phase of Plan should show finished grade, curbing and paving if applicable, 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 Plan. The Plan will include appropriate staging and access requirements for construction equipment. **Permit IV.D.3 pg 28**

☐ ☐ 37 Graphic scale and North arrow.

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

☐ ☐ 38 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 lines with the above intervals overlaying the original contour lines. Elevations of both the existing and proposed contour lines must be shown.

☐ ☐ 39 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 **Permit IV.D.3.a.(4) pg 49**

☐ ☐ 40 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.

☐ ☐ 41 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 are allowed to require more stringent buffers of State waters. The minimum undisturbed buffers required by the State and all other buffers 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. **Permit IV.D.2.e pg 28**

☐ ☐ 42 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 and the 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 the District if the District is reviewing the Plan. For all projects in a jurisdiction where there is no certified Local Issuing Authority regulating that project, EPD is responsible for State waters determinations and there is no time limits for reviewing the Plan.
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.

☐ ☐ 43 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 conditions and/or on the initial phase of the Plan. As the basins are altered or new ones created during intermediate and final phases, the new basins and their acreage must be delineated throughout each phase of the Plan. **Permit IV.D.2.e pg 28**

☐ ☐ 44 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 basin draining to, through and from the project site, with each one delineated, labeled and showing its total acreage.

45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are 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 accompanies the Plan. A complete hydrologic study is not a required element of the Plan, only the pre and post-construction estimates of the run-off coefficient or peak discharge flow for the site. **Permit IV.D.2.d pg 28**

46 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 pipe diameter, flow rate (cfs), velocity (fps), and tailwater conditions. This information should be shown in a chart shown on 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), average stone diameter (d50), and stone depth (D) designed in accordance with Figures 6-34.1 and 6-34.2 in the Manual. These 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 for the purpose of providing a non-erosive velocity flow from the structure to a water course so that the natural physical and biological functions and characteristics are maintained and protected.

47 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 highest level of soil survey required for the project site, such as a level three or level four survey for projects that will be using septic systems, must be delineated on the Plan. The soil series delineation should be shown on the existing site Plan or the initial phase Plan. A chart listing the soils located on the project should be shown on the sheet with their delineation.

48 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 installation of 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.

49 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 has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written 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 storage when using equivalent controls. When 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.

For each common drainage location, a temporary (or permanent) sediment basin (Sd3, Sd4, Rt, or excavated Sd2) providing at least 67 cubic yards of storage per acre drained, or equivalent control measures, shall be provided until final stabilization of the site. The 67cubic yards of storage per acre does not apply to flows from off-site areas and flows from on-site areas that are either undisturbed or have undergone final stabilization where such flows are diverted around both the disturbed 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 from the Manual must be completed and shown on the Plan or attached to the Plan for each temporary sediment basin designed for the project. All cross sections and details required per the Manual for Sd3's must be shown on the ES&PC detail section of the Plan. Completed worksheets from the Manual must be shown on the Plan for each retrofit and excavated inlet sediment trap. When the design professional chooses to use equivalent controls the calculations used to obtain the required 67 cubic yards 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. **Permit IV.D.3.a.(3) pg 29**

50 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.
BMPs for all phases of the Plan must be consistent with and no less stringent than the Manual and shown using uniform coding symbols from the Manual. The uniform coding symbols legend from the Manual must be included and may be shown on detail sheet or any of the ES&PC Plan sheets.

51 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.
The erosion and sediment control detail sheet must show a detailed drawing for each structural BMP shown on the Plan. 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.

52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding 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 would be N/A.

Effective January 1, 2019

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

Project Name:_____ Address:_____
City/County:_____ Date on Plans:_____
Name & email of person filling out checklist:_____

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
		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)
		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)
		3 Limit of disturbance shall be no greater than 50 acres at any one time without prior written authorization 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.* (A copy of the written approval by EPD must be attached to the Plan for the Plan to be reviewed.)
		4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
		5 Provide the name, address, email address, and phone number of the primary permittee or tertiary permittee.
		6 Note total and disturbed acreage of the project or phase under construction.
		7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
		8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
		9 Description of the nature of construction activity.
		10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
		11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
		12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 23 of the permit.
		13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV pg 22 of the permit.
		14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." in accordance with Part IV.A.5 page 27 of the permit *
		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 wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
		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, 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 installation of 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 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 with mulch or temporary seeding."

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

23 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as any portion of an Biota Impaired Stream Segment, must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for 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 Segment (identified in Item 23 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.*

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

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

27 Description of practices to provide cover for building materials and building products on site.*

28 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.

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

30 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, utility activities, temporary and final stabilization).

31 Provide complete requirements of inspections and record keeping by the primary permittee or tertiary permittee.

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

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

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

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

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

37 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial 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.

38 Plan addresses BMPs for all phases of common development including individual building lots and out-parcels, etc. regardless of who owns or operates the individual sites. Include a typical and any situational lots applicable.

39 Graphic scale and North arrow.

40 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

41 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.

42 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.

43 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.

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

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

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

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

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

49 Soil series for the project site and their delineation.

50 The limits of disturbance for each phase of construction.

51 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 has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written 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 storage when using equivalent controls. When 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.

52 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.

53 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.

54 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of 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 with a Plan(s) for a typical individual lot(s), if the total land disturbance within the construction site is less than five (5) acres and the total land disturbance within each individual lot is less than one (1) acre. If applicable, the * checklist item would be N/A.

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

Project Name:_____ **Address:**_____
City/County:_____ **Date on Plans:**_____
Name & email of person filling out checklist:_____

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
		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) **Permit IV.D.1 pg 29**
		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) The Level II certification must be issued to the Design Professional whose signature and seal are on the Plan.
		3 Limit of disturbance shall be no greater than 50 acres at any one time without prior written authorization 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.* (A copy of the written approval by EPD must be attached to the Plan for the Plan to be reviewed.) **Permit IV.D.3 pg 30**
		4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls. May be shown on ES&PC Plan sheets and/or ES&PC notes. **Permit II.B.1.c pg 12, II.B.2.e pg 14, II.B.3.d pg 15**
		5 Provide the name, address, **email address**, and phone number of the primary permittee or tertiary permittee. May be shown on cover sheet, ES&PC Plan or under ES&PC notes. **Permit II.B.1.b pg 12, II.B.2.c pg 14, II.B.3.b pg 15**
		6 Note total and disturbed acreage of the project or phase under construction. Must be shown on ES&PC Plan or under ES&PC notes. **Permit IV.D.2.c pg 30**
		7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees. GPS location of the construction exit must be shown on cover sheet and may also be shown on ES&PC Plan sheets and ES&PC notes. It must match the NOI. **Permit II.B.1.a pg 12, II.B.3.a pg 15**
		8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions. The initial Plan date should be shown on all pages. With each resubmittal the revision date and entity requesting revisions should be shown on cover sheet and each sheet that has been revised.
		9 Description of the nature of construction activity. Provide a description of the existing site and a description of the proposed project. These must be shown on ES&PC Plan or under ES&PC notes. **Permit IV.D.2.a pg 29**
		10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary. 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 a site visit is needed, or if the site needs to be located on another map. **Permit IV.D.2.e pg 30**
		11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected. The name of the initial receiving water(s) or if unnamed the first named blue line stream indicated on the appropriate 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(s) which receives the discharge from the MS4, and the permittee's determination of whether the receiving water(s) supports warm water fisheries or is a trout stream. Describe any neighboring area which could be affected by the post-developed runoff from the site. **Permit IV.D.2.f pg 30**
		12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 23** 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 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."

13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on **Part IV page 22** 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 document "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 sampling of 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. GAR 100003."

14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of 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 who prepared the Plan, except when the primary permittee has requested in writing and EPD has agreed to an alternate design professional, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs which the design professional designed within seven (7) days after installation. The design professional shall determine if these 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 seven (7) days and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report from the design professional unless weather related site conditions are such that additional time is required. **Permit IV.A.5 pg 27**

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 wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
See **Part IV.(i) - (iv) on pages 23-26** 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 29** of the permit. This can be clarified in a narrative and shown under ES&PC notes.
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 authorized by a Section 404 permit."
The Plan must include a description of how waste materials, including waste building materials, construction and demolition debris, concrete washout, excavated sediment, etc., will be properly disposed of. Any disposal of solid waste to waters of the State is prohibited unless authorized by a Section 404 permit. **Permit IV.D.3.c.(1) pg 33**

19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and 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 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 with mulch or temporary seeding."
Must be shown on ES&PC Plan or under ES&PC notes. **Permit IV.D.3.a.(1) pg 31**

22 Indication that the applicable portion of the primary permittees ES&PC Plan is to be provided to each secondary permittee prior to the secondary conducting any construction activity and that each secondary shall sign the Plan or portion of the 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 the primary permittee shall provide a copy of the Plan (and any subsequent revisions to the Plan) to each secondary permittee. The Plan must include a section for each secondary to sign indicating that they have made a written acknowledgement of receipt of the Plan and a copy of the acknowledgement must be kept in the primary's records. **Permit IV.D.2.g pg 30**

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

If any storm water associated with construction activities discharges into an Impaired Stream Segment that has been listed 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 ES&PC Plan must include at least four (4) of the BMPs listed in **Part III.C.2.a. - v.** of the permit. The Impaired Stream Segment(s) should be delineated on the ES&PC Plan. Georgia's most current and subsequent "305(b)/303(d) List Documents **(Approved)**' can be veiwed on the GAEPD website (www.gaepd.org/Documents/305b.html) **Part III.C.2.a. - v. pg 19-21**

24 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 23 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.*

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. **Permit III.C.1 pg 19**

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

When the project allows the concrete washdown of tools, concrete mixer chutes, hoppers and rear of the vehicles on the project site delineate the location of the area provided for washing and provide detail of BMPs that will be used. If the project does not allow the concrete washdown on the project site, note that on the Plan. **Permit IV.D.3.c.(6) pg 34**

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 from any areas where such products are stored or used as well as guidance for the proper remediation of any spills and leaks that do occur. This information can be in the form of a separate Spill Prevention/Spill Response document so long as that information accompanies the Plan. **Permit IV.D.3.c.(5) pg 34**

27 Description of practices to provide cover for building materials and building products on site.*

The Plan must contain a description of measures, such as plastic sheeting or temporary roofs, to cover building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials in order to minimize exposure to precipitation and to stormwater. **Permit IV.D.3.c.(2) pg 33**

28 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.

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 storm water detention and retention structures, use of vegetated swales and natural depressions for flow attenuation or a combination of these practices (sequential systems). The Plan must also include a technical explanation of the basis used to select these practices where flows will exceed pre-development levels. The Plan must indicate that velocity dissipation devices will be 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. 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 devices prior to final stabilization of the site and not the operation and maintenance of such structures after construction activities have been completed. **Permit IV.D.3.b pg 32**

29 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. **Permit IV pg 26**

30 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, utility activities, temporary and final stabilization).
Activity schedule must be site specific. The narrative description and timeline for each phase of construction may be shown on ES&PC Plan sheet or under ES&PC notes. **Permit IV.D.2.b pg 30**

31 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. - c. on pages 34-40** of the permit. The complete Inspection and record keeping requirements shall be shown on the Plan under ES&PS notes.

32 Provide complete requirements of Sampling Frequency and Reporting of sampling results.*
See **Part IV.D.6.d pages 43-44** *Sampling Frequency* and **Part IV.E pages 44-45** *Reporting* in the permit. Complete Sampling Frequency and Reporting requirements are to be shown on the Plan under ES&PC notes.

33 Provide complete details for Retention of Records as per Part IV.F. of the permit.
See **Part IV.F page 45** *Retention of Records* in the permit. Complete details of Retention of Records are to be shown on the Plan under ES&PC notes.

34 Description of analytical methods to be used to collect and analyze the samples from each location.*
This narrative must is to be shown on the Plan under ES&PC notes and shall include quality control/assurance procedures and precise sampling methodology for each sampling location. **Permit IV.D.6.a. - c. pg 40-42**

35 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(s) (i.e., trout stream or supporting warm water fisheries). **Permit IV.D.6.a.(3) pg 40**

36 Delineate all sampling locations if applicable, 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) that is a scale equal to or more detailed than a 1:24000 map showing the locations of the site or the common development. The map must include (a) the location of all perennial and intermittent streams and other water bodies as shown on a USGS topographic map, and all other perennial and intermittent streams and other water bodies located during the mandatory field verification, into which the storm water is discharged and (b) the receiving water and/or outfall sampling locations. When 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 first blue line stream shown on the USGS topographic map. **Permit IV.D.6.a.(1) pg 40**

37 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial 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 the Plan must include the required 67 cy per acre sediment storage, construction exit, tree-save fence if applicable and any 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 are to be only the areas needed to install initial BMPs. The intermediate phase should show rough grading and utility construction. BMPs should include initial inlet protection, additional silt fence as needed, any revised sediment storage needed as drainage basins are altered, outlet protection, retrofit if applicable, matting with temporary or permanent vegetation as needed,

temporary down drains, filter rings, etc. Final phase of Plan should show finished grade, curbing and paving if applicable, 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 Plan. The Plan will include appropriate staging and access requirements for construction equipment. **Permit IV.D.3 pg 30**

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

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

40 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 with the above intervals overlaying the original contour lines. Elevations of both the existing and proposed contour lines must be shown.

41 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 **Permit IV.D.3.a.(4) pg 32**

42 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.

43 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 are allowed to require more stringent buffers of State waters. The minimum undisturbed buffers required by the State and all other buffers 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. **Permit IV.D.2.e pg 30**

44 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 and the 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 the District if the District is reviewing the Plan. For all projects in a jurisdiction where there is no certified Local Issuing Authority regulating that project, EPD is responsible for State waters determinations and there is no time limits for reviewing the Plan.
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.

45 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 conditions and/or on the initial phase of the Plan. As the basins are altered or new ones created during intermediate and final phases, the new basins and their acreage must be delineated throughout each phase of the Plan. **Permit IV.D.2.e pg 30**

46 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.

47 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are 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 accompanies the Plan. A complete hydrologic study is not a required element of the Plan, only the pre and post-construction estimates of the run-off coefficient or peak discharge flow for the site. **Permit IV.D.2.d pg 30**

48 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 pipe diameter, flow rate (cfs), velocity (fps), and tailwater conditions. This information should be shown in a chart shown on 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), average stone diameter (d50), and stone depth (D) designed in accordance with Figures 6-34.1 and 6-34.2 in the Manual. These 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 for the purpose of providing a non-erosive velocity flow from the structure to a water course so that the natural physical and biological functions and characteristics are maintained and protected.

49 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 highest level of soil survey required for the project site, such as a level three or level four survey for projects that will be using septic systems, must be delineated on the Plan. The soil series delineation should be shown on the existing site Plan or the initial phase Plan. A chart listing the soils located on the project should be shown on the sheet with their delineation.

50 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 installation of 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.

51 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 has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written 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 storage when using equivalent controls. When 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.
For each common drainage location, a temporary (or Permanent) sediment basin (Sd3, Sd4, Rt, or excavated Sd2) providing at least 67 cubic yards of storage per acre drained, or equivalent control measures, shall be provided until final stabilization of the site. The 67cubic yards of storage per acre does not apply to flows from off-site areas and flows from on-site areas that are either undisturbed or have undergone final stabilization where such flows are diverted around both the disturbed 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 from the Manual

must be completed and shown on the Plan or attached to the Plan for each temporary sediment basin designed for the project. All cross sections and details required per the Manual for Sd3's must be shown on the ES&PC detail section of the Plan. Completed worksheets from the Manual must be shown on the Plan for each retrofit and excavated inlet sediment trap. When the design professional chooses to use equivalent controls the calculations used to obtain the required 67 cubic yards 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. **Permit IV.D.3.a.(3) pg 31**

☐ ☐ 52 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.
BMPs for all phases of the Plan must be consistent with and no less stringent than the Manual and shown using uniform coding symbols from the Manual. The uniform coding symbols legend from the Manual must be included and may be shown on detail sheet or any of the ES&PC Plan sheets.

☐ ☐ 53 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.
The erosion and sediment control detail sheet must show a detailed drawing for each structural BMP shown on the Plan. 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.

☐ ☐ 54 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding 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.

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

Effective January 1, 2019

This file includes all three checklists with perspective 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 botttom left hand corner of this page to advance the tabs for the 2019 checklists.

Summary of changes to checklist items:

Provide name and email of the person filling out the checklist
References to material found in NPDES permits have been added in the Guidance pages

	Checklist Item	
GAR100001	#5	Provide the email address of the primary permittee
	#13	Guidance page: "State Soil and Water Conservation Commission" has been changed to "Georgia Soil and Water Conservation Commission".
	#22	BMPs for discharge into Impaired Streams have changed; refer to Section III.C.2.a.-v.
	#22	Guidance page: "305(b)/303(d) List Documents (Final)" has been changed to "305(b)/303(d) List Documents (Approved)"
	#27	New item added to checklist: "Description of practices to provide cover for building materials and building products on site."
	#30	New wording in permit to be included on Plan (Inspections and record keeping); refer to Section IV.D.4.a. on pages 31-33
	#31	New wording in permit to be included on Plan (Reporting); refer to Section IV.E on page 37
GAR100002	#4	Provide the email address of the primary permittee
	#12	Guidance page: "State Soil and Water Conservation Commission" has been changed to "Georgia Soil and Water Conservation Commission".
	#22	BMPs for discharge into Impaired Streams have changed; refer to Section III.C.2.a.-v.

	#22	Guidance page: "305(b)/303(d) List Documents (Final)" has been changed to "305(b)/303(d) List Documents (Approved)"
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	#31	New wording in permit to be included on Plan (Reporting); refer to Section IV.E on page 40
GAR100003	#5	Provide the email address of the primary permittee
	#13	Guidance page: "State Soil and Water Conservation Commission" has been changed to "Georgia Soil and Water Conservation Commission".
	#23	BMPs for discharge into Impaired Streams have changed; refer to Section III.C.2.a.-v.
	#23	Guidance page: "305(b)/303(d) List Documents (Final)" has been changed to "305(b)/303(d) List Documents (Approved)"
	#27	New item added to checklist: "Description of practices to provide cover for building materials and building products on site."
	#31	New wording in permit to be included on Plan (Inspections and record keeping); refer to Section IV.D.4.a. - c. on pages 34-40
	#32	New wording in permit to be included on Plan (Reporting); refer to Section IV.E on pages 44-45
Appendix 1	d.	Revised
	e.	Revised
	i.	Revised
	m.	Removed (which caused lettering sequence to change)
	new n. / old o.	Revised
	new u.	New
	new v.	New

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 5O ACRES OR MORE AT ANY ONE TIME.

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

Plan Page #	Included Y/N	
		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.
		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.
		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.
		d. A large sign (minimum 4 feet x 8 feet) must be posted on site by the actual start date of construction. The sign must be visible from a public roadway. The sign must identify the following: (1) construction site, (2) the permittee(s), (3) the contact person(s) and telephone number(s), and (4) the permittee-hosted website where the Plan can be viewed must be provided on the submitted NOI. The sign must remain on site and the Plan must be available on the provided website until a NOT has been submitted.
		e. Use flocculants or coagulants and/or mulch to stabilize areas left disturbed for more than seven (7) calendar days in accordance with Section III. D.1. of the NPDES Permit.
		f. Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24 hour period, recognizing the exceptions specified in Section IV.D.6.d. of the NPDES Permits.
		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).
		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.
		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.
		j. Use “Dirt II” techniques available on the EPD website to model and manage construction storm water runoff (including sheet flow). All calculations must be included on the Plan. (https://epd.georgia.gov/erosion-and-sedimentation)
		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.
		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.
		m. Use appropriate erosion control slope stabilization instead of concrete in all construction storm water ditches and storm drainages designed for a 25 year, 24 hour rainfall event.
		n. Use flocculants or coagulants 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.
		o. 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.
		p. Conduct soil tests to identify and to implement site-specific fertilizer needs.

q. Certified personnel for primary permittees shall conduct inspections at least twice 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 Section IV.D.4.a.(3)(a) – (c); secondary permittees, Section IV.D.4.b.(3)(a) – (c); and tertiary permittees Section IV.D.4.c.(3)(a) – (c) *

r. 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.

s. 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 Georgia Soil and Water Conservation Commission). (If using this item please refer to the Alternative BMP guidance document found at www.gaswcc.georgia.gov)

t. 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.

u. Conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase of the project by the design professional who prepared the Plan in accordance with Section IV.A.5 of the permit.
The Plan must include a statement that the primary permittee must retain the design professional who prepared the Plan to conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase.

v. Install Post Construction BMPs (e.g., runoff reduction BMPs) which remove 80% TSS as outlined in the Georgia Stormwater Management Manual known as the Blue Book or an equivalent or more stringent design manual.

Effective January 1, 2019

* This requirement is different for infrastructure projects:
Certified personnel for primary permittees shall conduct inspections at least once every fourteen (14) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Section 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