APPENDIX 1

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

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

Plan Page #	Included Y/N		
N/A	N/A	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.
N/A	N/A	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.
N/A	N/A	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.
N/A	N/A	d.	A large sign (minimum 4 feet x 8 feet) must be on the site on the actual start date of construction visible from a public roadway identifying the construction site, the permittee(s), and the contact person(s) and telephone number(s) until a NOT has been submitted.
N/A	N/A	e.	Use anionic polyacrylamide (PAM) and/or mulch to stabilize areas left disturbed for more than seven (7) calendar days in accordance with Part III. D.1. of the NPDES Permit.
N/A	N/A	f.	Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24 hour period, recognizing the exceptions specified in Part IV.D.6.d. of the NPDES Permits.
N/A	N/A	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).
C5-10 - C5-30	Y	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.
N/A	N/A	i.	Limit the amount of area disturbed 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.
N/A	N/A	j.	Use "Dirt II" techniques available on the EPD website, www.gaepd.org (e.g., seep berms, sand filters, anionic PAM) to model and manage construction storm water runoff (including sheet flow). All calculations construction site.
N/A	N/A	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.
C5-10 - C5-30	Y	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.
C5-10 - C5-30	Y	m.	Apply the appropriate Georgia Department of Transportation approved erosion control matting or blankets or bonded fiber matrix to all slopes steeper than 3:1. All graphical illustrations must be included on the Plan.
N/A	N/A	n.	Use appropriate erosion control matting or blankets instead of concrete in all construction storm water ditches and storm drainages designed for a 25 year, 24 hour rainfall event.
C5-10 - C5-30	Y	o.	Use anionic PAM under a passive dosing method (e.g., flocculant blocks) within construction storm water ditches and storm drainages that feed into temporary sediment basins and retrofitted management basins.
N/A	N/A	p.	Install sod for a minimum 20 foot width (in lieu of seeding) after final grade has been achieved, along the site perimeter wherever storm water (including sheet flow) may be discharged.
N/A	N/A	q.	Conduct soil tests to identify and to implement site-specific fertilizer needs.
N/A	N/A	r.	Certified personnal 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 Part IV.D.4.a.(3).(a) – (c) of the NPDES permit.
N/A	N/A	s.	Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of the construction activity.
N/A	N/A	t.	Use alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the State Soil and Water Conservation Commission).
C5-10 - C5-30	Y	u.	Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any state mandated buffer areas from such calculations). All calculations must be included in the plan.

GSWCC Georgia Soil and Water Conservation Commission

GREGORY MAXEY
Level II Certified Design Professional

CERTIFICATION NUMBER 0000000130
ISSUED: 6/03/2017 EXPIRES: 6/03/2020

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST

STAND ALONE CONSTRUCTION PROJECTS

SWCD: XXXXXXX

Project Name: CIRCLE 75 PHASE III

Address: 2875 CRESCENT PKWY, ATLANTA GA 30339 PROJECT SITE ADDRESS 2

City/County: XXXXXXXXX

Date on Plans: 06/20/2017

Plan Page #	Included Y/N			TO BE SHOWN ON ES&PC PLAN
C5-00		Y	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)**
C5-00-03, C5-10-30, C5-80-81		Y	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)**
N/A		N	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.)**
C0-00, C5-03, C5-10-30		Y	4.	The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
C0-00, C5-03, C5-10-30		Y	5.	Provide the name, address and phone number of primary permittee.
C0-00, C5-10-30		Y	6.	Note total and disturbed acreage of the project or phase under construction.
C5-10-30		Y	7.	Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
C0-00, C5-10-30		Y	8.	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C5-02		Y	9.	Description of the nature of construction activity.
C0-00, C5-03		Y	10.	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C5-02, C5-10-30		Y	11.	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
C5-01		Y	12.	Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit.
C5-01		Y	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 page 15 of the permit.*
C5-02, C5-10-30		Y	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."*
C5-02, C5-10-30		Y	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."
N/A		N	16.	Provide a description of any buffer encroachments and indicate where a buffer variance is required.
C5-02, C5-10-30		Y	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."*
C5-02, C5-10-30		Y	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."*
C5-02, C5-10-30		Y	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."
C5-02, C5-10-30		Y	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."
C5-02, C5-10-30		Y	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."
C5-00, C5-10-30		Y	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.*
C5-02, C5-10-30		Y	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.*
N/A		N	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.*
C5-02		Y	25.	Provide BMPs for the remediation of all petroleum spills and leaks.
C5-01		Y	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.*
C5-01		Y	27.	Description of the practices that will be used to reduce the pollutants in storm water discharges.*
C5-03		Y	28.	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
C5-02		Y	29.	Provide complete requirements of inspections and record keeping by the primary permittee.*
C5-02		Y	30.	Provide complete requirements of sampling frequency and reporting of sampling results.*
C5-02		Y	31.	Provide complete details for retention of records as per Part IV.F. of the permit.*
C5-02		Y	32.	Description of analytical methods to be used to collect and analyze the samples from each location.*
C5-03		Y	33.	Appendix B rationale for NTU values at all outfall sampling points where applicable.*
C5-10-30		Y	34.	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.*
C5-10-30		Y	35.	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.*
C5-10-30		Y	36.	Graphic scale and north arrow.
C5-10-30		Y	37.	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 = 100 ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Steep 8% +	2.5 or 10

N/A		N	38.	Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
N/A		N	39.	Use of alternative BMP for application to the Equivalent BMP List . Please refer to Appendix A-2 of the Manual for Erosion and Sediment Control in Georgia 2016 Edition.*
N/A		N	40.	Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
N/A		N	41.	Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
C5-10-30		Y	42.	Delineation and acreage of contributing drainage basins on the project site.
N/A AT GRADING PHASE.		N	43.	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*
N/A AT GRADING PHASE.		N	44.	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
C5-80		Y	45.	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
C5-10-30		Y	46.	Soil series for the project site and their delineation.
C5-10-30		Y	47.	The limits of disturbance for each phase of construction.
C5-10-30, C5-81-82		Y	48.	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 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.
C5-10-30, C5-03		Y	49.	Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
C5-80-82		Y	50.	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.
C5-81		Y	51.	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.** **Effective January 1, 2017**

No.	REVISIONS	DATE	BY
1	LDP SUBMITTAL	06/20/2017	SD
2	APPROVED LDP	07/12/2017	SD
3			
4			
5			
6			
7			

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REGISTERED PROFESSIONAL ENGINEER GREGORY M. MAXEY No. 14895

SCALE: AS NOTED
DRAWN BY: SD
DESIGNED BY: SD
CHECKED BY: GMM

CLIENT: ATLANTIC REALTY PARTNERS, INC
3378 PEACHTREE RD
ATLANTA GA 30326
PHONE: 404-591-2492

PROJECT: CIRCLE 75 PHASE III
COBB COUNTY, GA

TITLE: EROSION CONTROL NOTES

DATE 06/20/2017
PROJECT NO. 018459003
SHEET NUMBER C5-00