EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: Upper Chattahoochee

Project Name: Holly Springs Sanitary Sewer — Address: 125 Hickory Springs Ind. Drive

City/County: Holly Springs / Cherokee County — Date on Plans: Sept. 2013

TO BE SHOWN ON ES&PC PLAN

Plan Page #	Included Y/N		
EC-09	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)
EC-01 TO EC-08 AND CMP -01 TO CMP -02	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)
COV	Y	3.	The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
		4.	Provide name, address and phone number of primary permittee. (PRIMARY PERMITTEE WILL BE DETERMINED AT BID)
# 23 EC-04	Y	5.	Note total and disturbed acreage of the project or phase under construction.
# 13 G-01	Y	6.	Provide land lot and district numbers for site location. Describe critical areas and any additional measures that will be utilized for these areas.
G-01	Y	7.	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
EC-01 EC-03	Y	8.	Graphic scale and north arrow.
EC-01 EC-03	Y	9.	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. EXIST. CONTOURS WILL REVERT BACK TO ORIGINAL GRADE ONCE PIPE IS INSTALLED. NO PROPOSED CONTOURS SHOWN ON CONSTRUCTION PLANS.
G-01	Y	10.	Delineation and acreage of contributing drainage basins on the project site.
# 28 - # 29 G-01	Y	11.	Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
EC-01 EC-03	Y	12.	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.
CMP-02	Y	13.	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.* DESCRIPTION OF SAMPLE LOCATIONS ARE SHOWN ON SHEET CMP-01
EC-03	Y	14.	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
G-01	Y	15.	Soil series for the project site and their delineation.
# 27 EC-04	Y	16.	Identify the project receiving waters and describe all adjacent areas including streams, lakes, residential areas, wetlands, etc. which may be affected.
EC-09	Y	17.	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.*
EC-08	Y	18.	If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 18 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.*
G-01	Y	19.	Delineate on-site drainage and off-site watersheds using USGS 1" : 2000' topographical sheets.
ALL	Y	20.	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
# 26 EC-04	Y	21.	The limits of disturbance for each phase of construction.
# 46 EC-04	Y	22.	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 rationale 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. 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.
	N/A	23.	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
# 28 EC-04	Y	24.	Best Management Practices to minimize off-site vehicle tracking of sediments and the generation of dust.
# 6 EC-04	Y	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.*
# 22,48, 56, & 59 EC-04	Y	26.	Provide BMPs for the remediation of all petroleum spills and leaks.*
EC-01 -EC-07	Y	27.	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.
# 17 G-01	Y	28.	Description of the nature of construction activity.
# 57 EC-04	Y	29.	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. *
G-01	Y	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).
# 59 EC-04	Y	31.	Description of the practices that will be used to reduce the pollutants in storm water discharges.*
# 58 EC-04	Y	32.	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.*
EC-01 EC-08	Y	33.	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.
CMP02	Y	34.	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 14 of the permit.*
CMP02	Y	35.	Certification statement and signature of the permittee or the duly authorized representative as stated in section V.G.2.d. of the state general permit.*
# 50 EC-04	Y	36.	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
# 38 EC-04	Y	37.	Indication 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 without first acquiring the necessary variances and permits.
# 39 EC-04	Y	38.	Indication 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.*
# 40 EC-04	Y	39.	Indication 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.*
# 47 EC-04	Y	40.	Indication that waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.*
# 48 EC-04	Y	41.	Documentation that the ES&PC Plan is in compliance with waste disposal, sanitary sewer, or septic tank regulations during and after construction activities have been completed.*
# 11 & 13 CMP01	Y	42.	Provide complete requirements of inspections and record keeping by the primary permittee.*
# 10&12 CMP01	Y	43.	Provide complete requirements of sampling frequency and reporting of sampling results.*
# 13 CMP01	Y	44.	Provide complete details for retention of records as per Part IV.F. of the permit.*
# 8 CMP-01	Y	45.	Description of analytical methods to be used to collect and analyze the samples from each location.*
	N/A	46.	Appendix B rationale for outfall sampling points where applicable.*
# 3 EC-04	Y	47.	Clearly note statement in bold letters- **"The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to, or concurrent with, land disturbing activities."**
# 2 EC-04	Y	48.	Clearly note maintenance statement in bold letters - **"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."**
# 4 EC-04	Y	49.	Clearly note the statement in bold letters - **"Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."**
EC-05 - EC-07	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.
EC-07	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.

Effective January 1, 2013

*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.

APPENDIX 1
THE ES&PC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BMPS FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO A IMPAIRED STREAM SEGMENT AND FOR SITES WHICH EPD HAS APPROVED IN WRITING A REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME.

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.	Place a large sign (minimum 4 feet x 8 feet) on the site visible from the roadway identifying the construction site, the permittee(s), and the contact person(s) and telephone number(s).
# 60 EC-04	Y	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 Permits.
		f.	Conduct turbidity and Total Suspended Solids (TSS) 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.
		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).
# 62 EC-04	Y	h.	Limit the total planned site disturbance to less than 50% impervious surfaces (excluding any State-mandated buffer areas from such calculations).
# 61 EC-04	Y	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.
		j.	Use "Dirt II" techniques to model and manage storm water runoff (e.g., seep berms, sand filters, anionic Pam), available on the EPD website, www.gaepd.org.
		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 storm water may be discharged.
# 63 EC-04	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.
		n.	Use appropriate erosion control matting or blankets instead of concrete in construction storm water ditches and storm drainages designed for a 25 year, 24 hour rainfall event.
		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.
		p.	Install sod for a minimum 20 foot width, in lieu of seeding, along the site perimeter wherever storm water may be discharged.
		q.	Use a surface draining skimmer designed to drain temporary sediment basins and retrofitted storm water management basins over a minimum three (3) day period.
		r.	Certified personnel 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.(2). (a) - (c). Part IV.D.4.b.(3). (a) - (c) or Part IV.D.4.c.(2). (a) - (c) of the NPDES Permit GAR 100003, as applicable or Part IV.D.4.a.(2) of the Permit GAR 100001. ("If working under NPDES Permit GAR 100002 see below")
		r.1.	*"Certified personnel shall conduct inspections at least once every seven calendar days and within 24 hours of the end of the storm that is 0.5 inches or greater in accordance with part IV.D.4.a.(2). (A) - (C) of this permit."*
		s.	Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of the construction activity.
		t.	Use alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the State Soil and Water Conservation Commission). (If using this item please refer to the Alternative BMP guidance document found at www.gaswcc.georgia.gov)

Effective January 1, 2013

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REVISION	DATE
3.	

PROJ. NO.: 100034005
DESIGNED BY: 3.
DRAWN BY: M.R.T.
CHECKED BY: W.F.L.
APPROVED BY: W.F.L.
DATE: AUGUST, 2013
SCALE: NO SCALE

CHEROKEE COUNTY WATER & SEWERAGE AUTHORITY
HOLLY SPRINGS
DOWNTOWN SANITARY SEWER SYSTEM

ESPC PLAN CHECKLIST

SHEET NO.
EC-09

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