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

SWCD:____________________

Project Name: **RACETRAC MARKET** Address: **PEACHTREE PARKWAY & ENGINEERING DR**

City/County: **CITY OF PEACHTREE CORNERS** Date on Plans: **JANUARY 15, 2018**

Name&email of person filling out checklist:____________________

TO BE SHOWN ON ES&PC PLAN

Plan Page #	Included Y/N	Item
C-2.5	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)
ALL	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	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.)
ALL	Y	4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
C-2.1	Y	5 Provide the name, address and phone number of primary permittee.
ALL	Y	6 Note total and disturbed acreage of the project or phase under construction.
C-2.1	Y	7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
ALL	Y	8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C-2.4	Y	9 Description of the nature of construction activity.
COVER	Y	10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C-2.4	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.
C-2.5	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.
C-2.5	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.*
C-2.1 NOTE #25	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."*
C-2.1 NOTE #20	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."
C-2.4	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
C-2.1 NOTE #21	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."*
C-2.1 NOTE #22	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."*
C-2.1 NOTE #2	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."
C-2.1 NOTE #16	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."
C-2.1 NOTE #3	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."
	N/A	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.*
	N/A	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.*
C-2.2	Y	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.*
C-2.4	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
C-2.4	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.*
C-2.4	Y	27 Description of the practices that will be used to reduce the pollutants in storm water discharges.*
C-2.1	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).
C-2.4	Y	29 Provide complete requirements of inspections and record keeping by the primary permittee.*
C-2.4	Y	30 Provide complete requirements of sampling frequency and reporting of sampling results.*
C-2.4	Y	31 Provide complete details for retention of records as per Part IV.F. of the permit.*
C-2.4	Y	32 Description of analytical methods to be used to collect and analyze the samples from each location.*
C-2.4	Y	33 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
ALL	Y	34 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.*
ALL	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.*
ALL	Y	36 Graphic scale and North arrow.
ALL	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 = 100ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Steep 8% +	2,5 or 10

Plan Page #	Included Y/N	Item
	N/A	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	39 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
ALL	Y	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.
ALL	Y	41 Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
C-2.1	Y	42 Delineation and acreage of contributing drainage basins on the project site.
DOC	Y	43 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*
DOC	Y	44 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
	N/A	45 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
ALL	Y	46 Soil series for the project site and their delineation.
ALL	Y	47 The limits of disturbance for each phase of construction.
C-2.1 & C-2.2	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 when using equivalent controls. When discharging from sediment basins and impoundments, permitees 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 feasable, a written justification explaining this decision must be included in the plan.
ALL	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.
C-2.6 & C-2.7	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.
C-2.6	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 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.

Effective January 1, 2018

DRAINAGE AREA C-1: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.42AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.42 AC
REQUIRED SEDIMENT STORAGE = 28.5 CY = 769 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2.5 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 769 CF/2.5 FT
SAmin = 308 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=25 FT W=12.5 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA B-0[illegible]: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.25AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.2[illegible] AC
REQUIRED SEDIMENT STORAGE = 17 CY = 459 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 459 CF/2 FT
SAmin = [illegible]
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=22 FT W=11 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-1.2: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.04AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.04 AC
REQUIRED SEDIMENT STORAGE = 3 CY = 81 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 1.5 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 81 CF/1.5 FT
SAmin = 54 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=11 FT W=5 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-1.3: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.12AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.12 AC
REQUIRED SEDIMENT STORAGE = 8 CY = 216 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 216 CF/2 FT
SAmin = 108 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=15 FT W=8 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-1.4: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.56AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.56 AC
REQUIRED SEDIMENT STORAGE = 38 CY = 1,013 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2.5 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 1,013 CF/2.5 FT
SAmin = 405 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=30 FT W=14 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-2: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.05AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.05 AC
REQUIRED SEDIMENT STORAGE = 3.5 CY = 95 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 1.5 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 95 CF/1.5 FT
SAmin = 64 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=12 FT W=[illegible] FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-2.1 STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.44AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.44 AC
REQUIRED SEDIMENT STORAGE = 30CY = 810 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 810 CF/2 FT
SAmin = 405 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=29 FT W=14 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-2.2: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.34AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.34 AC
REQUIRED SEDIMENT STORAGE = 23 CY = 621 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 621 CF/2 FT
SAmin = 311 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=26 FT W=12 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-2.3: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.36AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.36 AC
REQUIRED SEDIMENT STORAGE = 24 CY = 648 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2.5 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 648 CF/2.5 FT
SAmin = 260 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=24 FT W=11 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-2.5: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.52AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.52 AC
REQUIRED SEDIMENT STORAGE = 35 CY = 945 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2.5 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 945 CF/2.5 FT
SAmin = 378 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=28 FT W=14 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-2.6.1: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.46AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.46 AC
REQUIRED SEDIMENT STORAGE = 31 CY = 832 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 832 CF/2 FT
SAmin = 416 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=30 FT W=14 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-2.6.2: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.84AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.84 AC
REQUIRED SEDIMENT STORAGE = 56.5 CY = 1,525 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2.5 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 1,525 CF/2.5 FT
SAmin = 610 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=36 FT W=17 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-2.7: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 1.89AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 1.89 AC
REQUIRED SEDIMENT STORAGE = 127 CY = 3,429 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 3 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 3,429 CF/3 FT
SAmin = 1,143 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=50 FT W=23 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-3.1: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.35AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.35 AC
REQUIRED SEDIMENT STORAGE = 23.5 CY = 634 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 634 CF/2 FT
SAmin = 317 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=26 FT W=12.5 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-4: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.07AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.07 AC
REQUIRED SEDIMENT STORAGE = 5 CY = 135 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 1.5 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 135 CF/1.5 FT
SAmin = 90 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=14 FT W=7 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-4.1A: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.04AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.04 AC
REQUIRED SEDIMENT STORAGE = 3 CY = 81 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 1.5 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 81 CF/1.5 FT
SAmin = 54 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=11 FT W=5 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-4.1B: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.78AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.78 AC
REQUIRED SEDIMENT STORAGE = 52.5 CY = 1,417 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2.5 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 1,417 CF/2.5 FT
SAmin = 567 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=34 FT W=17 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-5: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.10AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.10 AC
REQUIRED SEDIMENT STORAGE = 7 CY = 189 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 1.5 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 189 CF/1.5 FT
SAmin = 126 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=18 FT W=7 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-6: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.26AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.26 AC
REQUIRED SEDIMENT STORAGE = 17.5 CY = 472 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 472 CF/2 FT
SAmin = 236 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=22 FT W=11 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA A-7: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.20AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.20 AC
REQUIRED SEDIMENT STORAGE = 13.5 CY = 364 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 364 CF/2 FT
SAmin = 182 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=20 FT W=10 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA B-1: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.31AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.31 AC
REQUIRED SEDIMENT STORAGE = 21 CY = 567 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 567 CF/2 FT
SAmin = 284 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=24 FT W=12 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

DRAINAGE AREA B-2: STORAGE CALCULATION
IF THE EXCAVATED INLET SEDIMENT TRAP IS USED, SHOW THE FOLLOWING INFORMATION:
1. DRAINAGE AREA = 0.92AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.92 AC
REQUIRED SEDIMENT STORAGE = 62 CY = 1,674 CF
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 2.5 FT
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
5. DETERMINE REQUIRED SURFACE AREA
SAmin = REQUIRED SEDIMENT STORAGE/EXCAVATED DEPTH
SAmin = 1,674 CF/2.5 FT
SAmin = 670 SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: RECTANGULAR
DIMENSIONS: L=38 FT W=18 FT DIAMETER (IF APPLICABLE)= _ FT

Sd2

"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 100001."

CERTIFIED DESIGN PROFESSIONAL NO. 4989
JENNIFER N. LOSURDO, PE.

01/15/2018
DATE

"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."

CERTIFIED DESIGN PROFESSIONAL NO.4989
JENNIFER N. LOSURDO, PE

01/15/2018
DATE

"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."

CERTIFIED DESIGN PROFESSIONAL NO.4989
JENNIFER N. LOSURDO, PE

01/15/2018
DATE

GSWCC CERTIFIED DESIGN PROFESSIONAL NO. 4989 EXPIRES 01/28/2021

NO.		DATE
1	JURISDICTIONAL COMMENTS	02/26/18
5	OWNER REVISIONS & JURISDICTIONAL COMMENTS	06/29/18

Columbia Engineering
2862 BUFORD HIGHWAY
SUITE 200
DULUTH, GEORGIA 30096
(770) 925-0357

GEORGIA REGISTERED No. 030074 PROFESSIONAL ENGINEER JENNIFER N. LOSURDO

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS: ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC PETROLEUM, INC. IS PROHIBITED.

RaceTrac
RACETRAC PETROLEUM, INC.
200 GALLERIA PARKWAY,
SUITE 900, ATLANTA, GA 30339
(770) 431-7600

EROSION CONTROL CHECKLIST AND CERTIFICATIONS

PEACHTREE CORNERS RACETRAC

PEACHTREE PARKWAY @ ENGINEERING DR
PEACHTREE CORNERS, GEORGIA
GWINNETT COUNTY

DRAWN-BY	JCW
DATE	01/15/2018
SCALE	N/A
DRAWING NAME:	4607.00.dwg
C-2.5	1
SHEET NO.	VERSION

Order Plans @ WWW.DILine.com