Sequence of Construction:

CLEARING/DEMOLITION PHASE:

A. A PRE-CONSTRUCTION SWPPP(CBMPP) MEETING SHALL BE HELD BY THE DEVELOPER, COUNTY INSPECTOR AND THE OPERATOR'S ENGINEER PRIOR TO ANY LAND DISTURBING ACTIVITIES.

B. INSTALL TEMPORARY CONSTRUCTION ENTRANCE/EXIT(S).

C. INSTALL PERIMETER SILT FENCE.

D. INSTALL TREE PROTECTION FENCE.

E. INSTALL SEDIMENT BASINS A-1 THRU A-3.

F. CONSTRUCT DIVERSIONS SWALES AS SHOWN.

G. INSTALL RIP RAP CHECK DAMS

H. CONSTRUCT CONCRETE WASHOUT AREA

I. INSPECTION AND APPROVAL OF EROSION CONTROL MEASURES.

J. BEGIN CLEARING, DEMOLITION AND GRUBBING OPERATIONS. CLEARING AND GRUBBING SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED AND ONLY IN AREAS WHERE CONSTRUCTION IS PALNNED TO COMMENCE WITHIN 13 DAYS AFTER CLEARING AND GRUBBING. CONTRACTOR TO UTILIZE EXISTING PARKING AREAS DURING DEMOLITION TO MINIMZE EROSION RUN OFF.

GRADING PHASE:

A. UTILIZE EXISTING PAVEMENT AREA FOR STAGING AND CONSTRUCTION TRAILERS DURING THIS PHASE.

B. MAINTAIN TEMPORARY SEDIMENT BASINS & DIVERSIONS.

C. BEGIN CUT/FILL ONSITE, BRING SITE TO SUBGRADE.

D. NSTALL INLET/OUTLET PROTECTION AT ALL GRATE INLETS, CURB INLTETS AND AT ENDS OF ALL STORMWATER PIPES.

E. INSTALL SITE UTILITIES; I.E., STORMWATER, SANITARY SEWER, WATER, POWER, GAS AND TELEPHONE.

FINAL PHASE:

A. INSTALL IRRIGATION AND SITE LIGHTING.

B. FINALIZE PAVEMENT SUB-GRADE PREPERATION.

C. CONSTRUCT ALL SIDEWALKS, CURB AND GUTTER, GUTTER INLETS, AREA AND STORM WATER MANHOLES AS SHOWN ON PLANS.

D. INSTALL BASE COURSE REQUIRED FOR PAVEMENT, REMOVE INLET PROTECTION TEMPORARILY AS BASE COURSE IS BEING INSTALLED.

E. INSTALL ASPHALT BINDER AND CONCRETE PAVING, REMOVE TEMPORARY CONSTRUCTION ENTRANCE/EXITS PRIOR TO PAVEMENT INSTALLATION IN THESE AREAS (THESE AREAS TO BE PAVED LAST).

F. INSTALL FINAL SEEDING AND PLANTING.

G. INSPECT AND CLEAN STORM DRAINAGE SYSTEM.

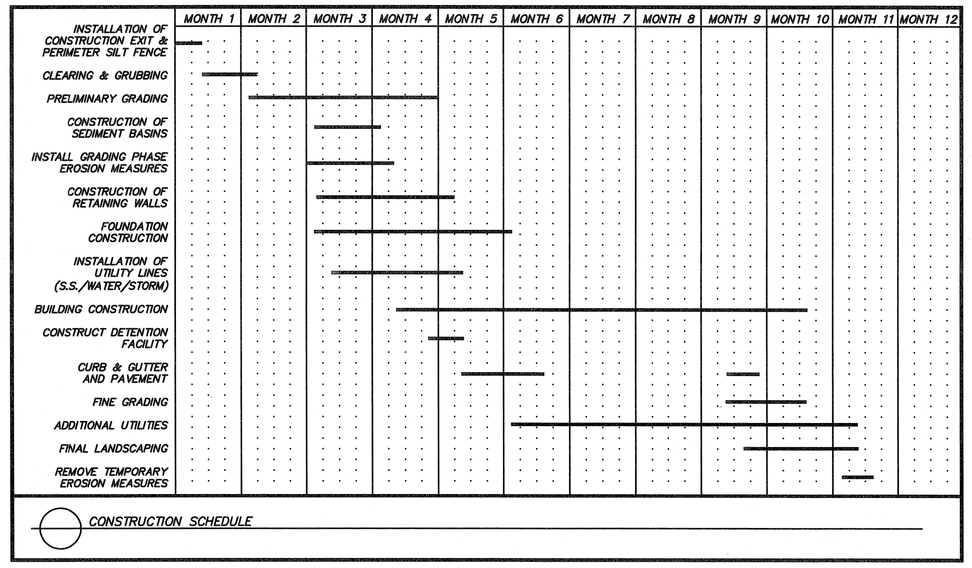
H. INSTALL ASPHALT TOP COAT.

I. UPON COMPLETION OF THE PROJECT AND RECEIPT OF CERTIFICATE-OF-OCCUPANCY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED OTHERWISE ON PLANS.

Critical Work Zone Erosion Control Notes:

SHADED AREAS SHOWN ON GRADING PHASE EROSION CONTROL PLANS REPRESENT CRITICAL WORK ZONES. AT THE END OF EACH WORK DAY ALL SLOPES 2:1 OR STEEPER AND HIGHER THAN 5 FEET SHALL RECEIVE SURFACE ROUGHENING, POLYMERS, AND EROSION CONTROL MATTING. ADDITIONALLY, ALL FILL SLOPES SHALL RECEIVE A DIVERSION DIKE AND TEMPORARY DOWN DRAINS ALONG THE TOP OF THE SLOPE PREVENTING DRAINAGE SPILLING OVER THE EDGE AND DOWN THE FACE OF THE SLOPE. THE TEMPORARY DOWN DRAINS SHALL BE CONSTRUCTED WITH PERFORATED STAND PIPES AT THE TOP OF THE SLOPE AND RECONSTRUCTED EACH DAY AS THE SLOPE INCREASES IN HEIGHT.

Construction Schedule:



Site Grassing and Vegetative Planting Schedule:

TEMPORARY GRASSING					
SPECIES	PLANTING DATES	BROADCAST RATES	FERTILIZER RATES:	LIME RATES:	MULCHING RATES:
Annual Lespedeza (Lespedeza striata)	Feb. 16 to April 30	Alone 0.9 lbs. per 1000 Sq.Ft. In Mixtures 0.2 lbs. per 1000 Sq.Ft.	12-16 Lbs. of 10-10-10 Fertilizer or the Equivalent per 1000 Sq.Ft.	45 Lbs. of Lime per 1000 Sq.Ft.	Not Required
Weeping Lovegrass (Eragrotis curvula)	March 7 to June 21	Alone 0.1 lbs. per 1000 Sq.Ft. In Mixtures 0.5 lbs. per 1000 Sq.Ft.	12-16 Lbs. of 10-10-10 Fertilizer or the Equivalent per 1000 Sq.Ft.	45 Lbs. of Lime per 1000 Sq.Ft.	Not Required
Browntop Millet (Panicum fasciculatum)	April 1 to July 21	Alone 0.9 lbs. per 1000 Sq.Ft. In Mixtures 0.2 lbs. per 1000 Sq.Ft.	12-16 Lbs. of 10-10-10 Fertilizer or the Equivalent per 1000 Sq.Ft.	45 Lbs. of Lime per 1000 Sq.Ft.	Not Required
Sudangrass (Sorghum sudanese)	April 1 to Aug. 31	Alone 1.4 lbs. per 1000 Sq.Ft.	12-16 Lbs. of 10-10-10 Fertilizer or the Equivalent per 1000 Sq.Ft.	45 Lbs. of Lime per 1000 Sq.Ft.	Not Required
Pearl Millet (Pennesetum glaucum)	April 15 to Aug 31	Alone 1.1 lbs. per 1000 Sq.Ft.	12-16 Lbs. of 10-10-10 Fertilizer or the Equivalent per 1000 Sq.Ft.	45 Lbs. of Lime per 1000 Sq.Ft.	Not Required

PERMANENT GRASSING					
SPECIES	PLANTING DATES	BROADCAST RATES	FERTILIZER RATES:	LIME RATES:	MULCHING RATES:
Pensacola Bahia (Paspalum notatum)	Jan. 1 to Dec. 31 (Best Apr. 1-May 31)	Alone 1.4 lbs. per 1000 Sq.Ft. In Mixtures 0.7 lbs. per 1000 Sq.Ft.	Initial Application 35 Lbs. of 6-12-12 Fertilizer or the Equiv. per 1000 Sq.Ft	45 Lbs. of Lime per 1000 Sq.Ft.	Not Required

PERMANENT GRASSING / FINAL LANDSCAPING IS REQUIRED.
SEE SEPARATE LANDSCAPE PLANS FOR FINAL SPECS AND DETAILS

Site Vicinity Map:

Provide vicinity map satisfying the following checklist criteria

7. 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.

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

The existing site Plan or the initial phase Plan must show delineation of each drainage basin on the project site with the acreage of each basin noted. As the basins are altered during grading for the intermediate phase of the Plan the new basins and acreage must be delineated. If the basins are changed on the final phase of the Plan delineate new basins with acreage noted.

12. 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.

14. 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.

17. Identify the project receiving waters and describe all adjacent areas including streams, lakes, residential areas, wetlands, 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.

18. 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) - (t) of the Permit. The Impaired Stream Segment(s) should be delineated on the ES&PC Plan. Georgia's 2008 and subsequent "305(b)/303(d) List Documents (Final)" can be veiwed on the GAEPD website. www.gaepd.org/Documents/305b.html

19. 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.

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.

Discharges into Any Portion of a Biota Impaired Stream Segment:

THIS SITE DOES RESIDE WITHIN 1 LINEAR MILE OF AN IMPAIRED STREAM SEGMENT AND WITHIN AN IMPAIRED STREAM SEGMENT'S WATERSHED, THEREFORE, WE WILL PROVIDE THE FOLLOWING (4) BMP'S LISTED IN APPENDIX 1 OF THE PERMIT:

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 PURSUANT TO THIS SECTION.

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).

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 THIS PERMIT.

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.

SCE
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Revisions

Date	Description

DESIGN PROFESSIONAL

LEVEL II CERTIFICATION NUMBER

SHOPPING CENTER
A Development By
DEVELOPER'S NAME
LAND LOT ?? OF THE ??TH DISTRICT
CITY OF ?, ? COUNTY, GEORGIA

Drawn	Designer	Date
SCE	SCE	2009

Sheet Title
EROSION CONTROL NOTES

Drawing Number
C-4d.2
(Sheet 2 of 6)