Owner/Developer: (Primary Permittee)

Owner Name: City of Centerville
Address: 300 East Church Street
City State Zip: Centerville, GA 31028
Phone Number: (478) 953-3222

24 Hour Contact

Name: Mike Brumfield
Phone: (478) 953-3222

EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN (ESPC)

This plan was prepared as required by NPDES General Permit No.GAR 100001.These plan sheets and all requirements of the General Permit as well as local,state,and federal regulations or laws apply.

SITE DESCRIPTION

Owner/Developer as Primary Permittee will oversee site construction located within the property situated in Land Lots 113 of the 5th District,Houston County,Georgia.The magnitude of the entire development contains ??? acres.

Describe existing conditions of the property: Existing Mixed wooded land & open grassed area

Describe property to be developed: City Park with paved road & grassed areas

No existing wetlands will be impacted by this development.

No state waters exist within 200 feet of the project site.
Construction will begin with placement of perimeter silt protection barriers and construction entrances.After these erosion control best management practices have been installed,clearing and grubbing of vegetation will commence in areas that are to be disturbed.The site will then be graded and utilities will be trenched.Once brought to final grade,the roads will be paved while all other exposed areas will be stabilized with vegetation,sidewalks or structures.

During construction,all storm water run off will be routed through the BMP's shown on the phased erosion control plans to reduce pollutants (suspended solids and sediment) in the storm water discharge from the site.

After site construction,storm water run off from this development will flow into the storm water control facility which will reduce the pollutants in the storm water discharge by using water quality control ponds and/or proprietary water quality control devices.

RUNOFF COEFFICIENT
Weighted pre construction CN curve number 59
Weighted post construction CN curve number 71

NAME OF RECEVING WATERS
Bay Gall Creek

OWNER / OPERATOR'S CERTIFICATION

(1) I CERTIFY THAT THE RECEVING WATER(S) OR THE OUTFALL(S) OR A COMBINATION OF RECEVING WATER(S) AND OUTFALL(S) WILL BE MONITORED IN ACCORDANCE WITH THE EROSION,SEDIMENTATION AND POLLUTION CONTROL PLAN.

(2) I CERTIFY THAT THE EROSION,SEDIMENTATION,AND POLLUTION CONTROL PLAN HAS BEEN PREPARED IN ACCORDANCE WITH PART IV OF THE GENERAL NPDES PERMIT GAR 100001.THE PLAN WILL BE IMPLEMENTED,AND THAT SUCH PLAN WILL PROVIDE FOR COMPLIANCE WITH THIS PERMIT.

(3) I CERTIFY UNDER THE PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED.BASED UPON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM,OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION,THE INFORMATION SUBMITTED IS,TO THE BEST OF MY KNOWLEDGE AND BELIEF,TRUE,ACCURATE,AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION,INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

(4) 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 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 REVIVING 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 GAR 100001.

(5) I CERTIFY THAT THE APPLICABLE PORTIONS OF THE EROSION CONTROL PLANS WILL BE PROVIDED TO EACH SECONDARY PERMITTEE PRIOR TO THE SECONDARY PERMITTEE CONDUCTION ANY CONSTRUCTION ACTIVITY.

OWNER / OPERATOR'S SIGNATURE

SURVEY INFORMATION

Boundary information provided by: Welston & Associates
Topographic information provided by: Welston Associates

The site is located in Land Lot 113,District 5th,Houston County,GA,Gross acreage of tract: ??____ more or less.

EROSION CONTROL CERTIFICATION

(1) 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 LAND DISTURBING ACTIVITY WAS PERMITTED,PROVIDES FOR THE SAMPLING OF THE RECIEVING WATER(S) OF THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEE THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR100001

(2) 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 DIRECT SUPERVISION.

(3) I CERTIFY THAT THE PERMITTEE'S EROSION,SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR THE MONITORING OF: (a) ALL PERENNIAL AND INTERMEDIATE STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHINS MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMEDIATE STREAMS AND OTHER WATER BODIES,OR (b) WHERE ARE SUCH SPECIFIC IDENTIFIED PERENNIAL OF INTERMEDIATE STREAM AND OTHER WATER BODY IS NOT PROPOSED TO BE SAMPLED,I HAVE DETERMINED IN MY PROFESSIONAL JUDGEMENT, UTILIZING THE FACTORS REQUIRED IN THE GENERAL NPDES PERMIT NO GAR 100001,THAT THE INCREASE IN THE TURBIDITY OF EACH SPECIFIC INDENTIFIED SAMPLED RECIEVING WATER WILL BE REPRESENTATIVE OF THE INCREASE IN THE TURBIDITY OF A SPECIFIC INDENTIFIED UN-SAMPLED RECIEVING WATER.

(4) 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 IN ACCORDANCE WITH PART IV.A.5.WITHIN 7 DAYS AFTER INSTALLATION

(5) 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 streams 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 judgement,utilizing the factors required in Georgia NPDES Permit No.GAR 100001,that the increase in turbidity of each specific identified sampled recieving water will be representative of the increase in the turbidity of a specific identified un-sampled recieving water."

RICHARD E. SAUNDERS,P.E. GSWCC LEVEL II CERTIFICATION: 0000000156

CONSTRUCTION SCHEDULE:

ITEM	DESCRIPTION	MONTHS OF CONSTRUCTION 1	2	3	4	5	6	7	8	9
1	SILT BARRIER INSTALLATION	■								
2	CLEARING AND GRUBBING	■								
3	RETENTION BASIN	■								
4	GRADING	■	■							
5	STORM DRAINAGE		■							
6	UTILITIES		■							
7	TEMPORARY GRASSING		■							
8	BUILDING		■	■	■	■	■	■	■	■
9	CURB AND GUTTERS		■	■						
10	SIDEWALKS			■						
11	BASE AND PAVING								■	
12	FINAL GRASSING & REMOVAL OF TEMPORARY STRUCTURES									■
13	MAINTAIN SOIL AND EROSION CONTROL MEASURES	■	■	■	■	■	■	■	■	■

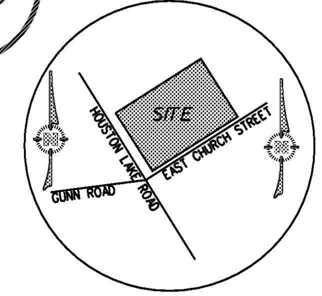
APPROX. STARTING DATE:
APPROX. COMPLETION DATE:

SOUTHERN COASTAL PLAIN VEGETATIVE COVERS

MONTH	TEMPORARY SEED	RATE/ACRE	PERMANENT SEED	RATE/ACRE
January	Ryegrass*	40 lb.	Unhulled Bermuda Sericea Lespedeza²	6 lb. 75 lb.¹
February			Unhulled Bermuda Sericea Lespedeza²	6 lb. 75 lb.
March	Rye Annual Lespedeza Weeping Lovegrass	28 lb. 10 lb. 2 lb.	Unhulled Bermuda Sericea Lespedeza²	6 lb. 75 lb.
April	Rye Brown Top Millet Annual Lespedeza Sudan Grass*	28 lb. 10 lb. 10 lb. 60 lb.	Weeping Lovegrass Hulled Bermuda Bahia	2 lb. 3 lb. 30 lb.
May	Weeping Lovegrass Sudan Grass* Brown Top Millet	2 lb. 60 lb. 10 lb.	Weeping Lovegrass Hulled Bermuda Bahia	2 lb. 6 lb. 30 lb.
June	Weeping Lovegrass Sudan Grass* Brown Top Millet	2 lb. 60 lb. 10 lb.	Weeping Lovegrass Hulled Bermuda	2 lb. 6 lb.
July	Weeping Lovegrass Sudan Grass* Brown Top Millet	2 lb. 60 lb. 10 lb.		
August	Ryegrass*	40 lb.		
September	Wheat	3 bu.	Sericea Lespedeza (Unscarified)	75 lb.
October	Wheat	3 bu.	Unhulled Bermuda Sericea Lespedeza²	6 lb. 75 lb.
November	Wheat	3 bu.	Unhulled Bermuda Sericea Lespedeza	6 lb. 75 lb.
December	Wheat Ryegrass	3 bu. 40 lb.	Unhulled Bermuda Sericea Lespedeza	6 lb. 75 lb.

¹Use a minimum of 40 lb. scarified seed. Remainder may be unscarified, clean hulled seed
²Use either common Serala, or Interstate Sericea Lespedeza.

*Very competitive and is not to be used in mixtures.



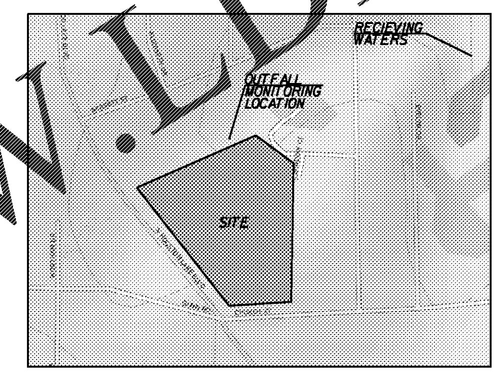
LOCATION SKETCH

EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

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.

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

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.



WATERSHED MAP

SOIL DISTURBING ACTIVITIES INCLUDE:

Construction will begin with placement of perimeter silt protection barriers and construction entrances. After these erosion control best management practices have been installed,clearing and grubbing of vegetation will commence in areas that are to be disturbed. The site will then be graded and utilities will be trenched. Once brought to final grade,the roads will be paved while other exposed areas will be stabilized with vegetation,sidewalks or structures.

Soil Disturbing Activities Include:
- Installing a stabilized construction exit,perimeter and other erosion and sediment controls
- Cleaning and grubbing
- Excavation of the foundation
- Grading and excavation for utilities
- Preparation for final planting and seeding
- Completion of on-site stabilization

SEQUENCE OF MAJOR ACTIVITIES

See construction schedule

LIMITS OF DISTURBANCE:

Limits of disturbance shall be no greater than 50 acres for each individual permittee (ie Primary,Secondary,or tertiary) at any one time and no more than 50 contiguous acres at 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 ES&PC plan must include at least 4 of the bmp's listed in appendix 1.

AMENDMENTS AND REVISIONS:

All amendments/revisions to the es&pc plan which have a signifcant effect on bmp's with a hydraulic component must be certified by the design professional and submitted to the local reviewing authority for review.

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.

Saunders Engineering Consultants, Inc.
104-C Gunn Road, Centerville, GA 31028
(478) 953-1228 (478) 953-1248 Fax

ARCHITECTS
WM2A.COM
348 COTTON AVENUE
SUITE 500, PO BOX 110
MACON, GEORGIA 31201

GSWCC LEVEL II CERTIFICATION NUMBER 0000000156

CENTER PARK RESTROOM FACILITIES AND SHADE PAVILION

City of Centerville

103 E CHURCH ST
CENTERVILLE, GA
31028

REVISIONS
 # DATE DESCRIPTION

© 2019, WMA Architects/Planners, Inc. dba **WM2A Architects** These drawings, as instruments of service, remain the property of the Architect. Unauthorized use or reproduction is forbidden.

Date:	11/04/19
Drawn By:	DRW
Checked By:	CHK
Project Number:	2018-077
Drawing Name:	**Soil Erosion Control Notes**
Drawing Number:	**C-8**

Project Status

12/14/2011 11:47:17 AM

Order Plans @ www.LDIine.com