

EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN CERTIFICATION:

I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of Best Management Practices (BMPs) required by the Georgia Water Quality Control Act and the Department Manual for Erosion and Sediment Control in Georgia (Manual) published by the Georgia 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 10000.

Georgia Civil Inc.
JASON BROWN
Level II Certified Design Professional #52374 - Exp. 5-1-2020

Signature: *Jason Brown* Date: 8.22.19

I, JASON BROWN, 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.

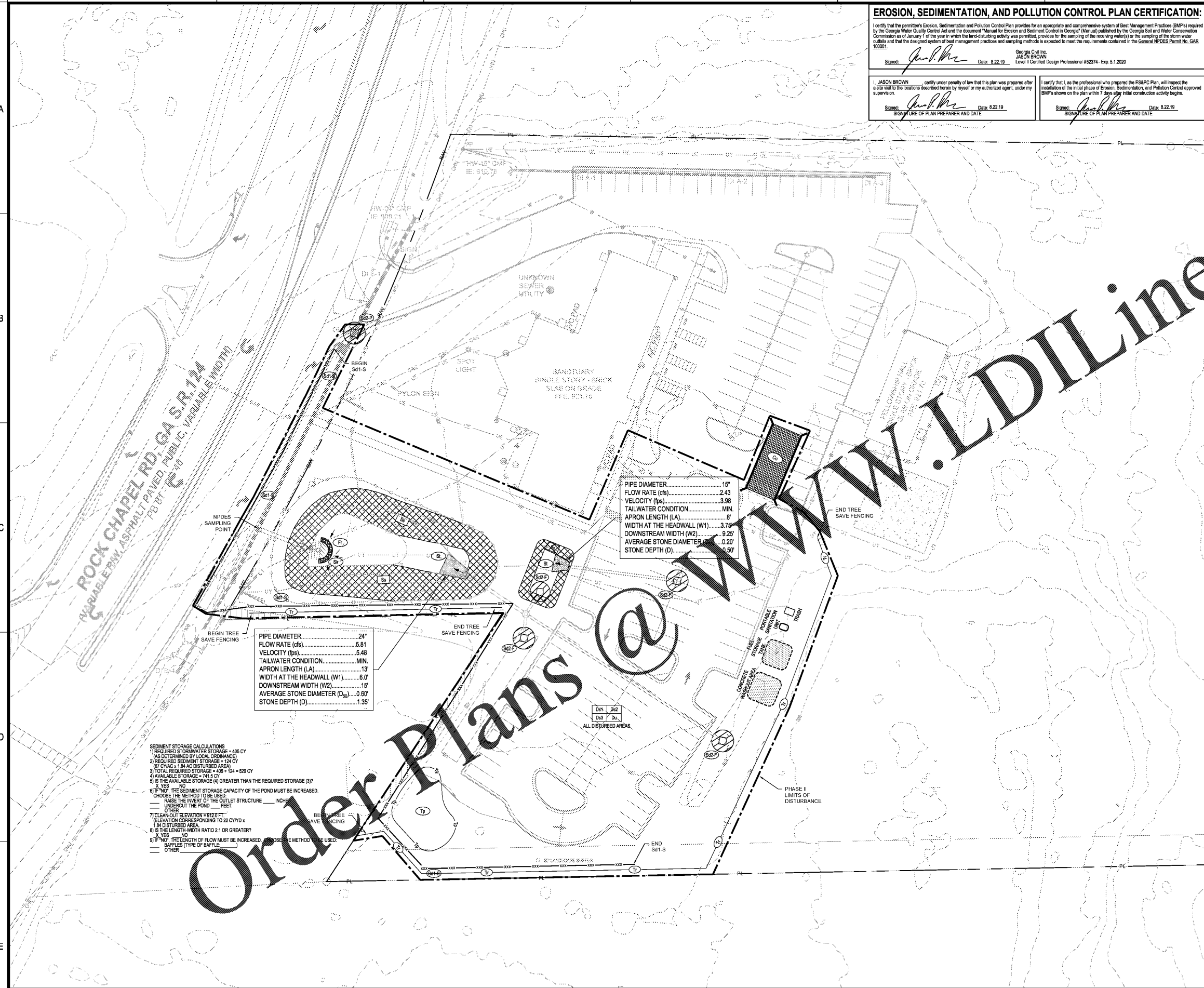
Signature: *Jason Brown* Date: 8.22.19

I certify that I, as the professional who prepared the ES&PC Plan, will inspect the installation of the initial phase of Erosion, Sedimentation, and Pollution Control approved BMPs shown on the plan within 7 days of initial construction activity begins.

Signature: *Jason Brown* Date: 8.22.19

**GEORGIA UNIFORM CODING SYSTEM
SOIL EROSION & SEDIMENT CONTROL**

STRUCTURAL PRACTICES			
Code	Practice	Symbol	Code
Sc2-F	Compact Filler Box	[Symbol]	Sc2-F
Sc2-B	Shrub State Check Dams	[Symbol]	Sc2-B
Sc2-S	Stone Check Dams	[Symbol]	Sc2-S
Sc2-T	Channel Stabilization (Vegetated/Soil)	[Symbol]	Sc2-T
Sc2-R	Channel Stabilization (Rip-Rap, TM)	[Symbol]	Sc2-R
Sc2-C	Channel Stabilization (Concrete)	[Symbol]	Sc2-C
Sc2-P	Construction Erosion	[Symbol]	Sc2-P
Sc2-D	Construction Road Stabilization	[Symbol]	Sc2-D
Sc2-A	Stream Diverging Channel (Geotextile, Soil, or Polyethylene Film)	[Symbol]	Sc2-A
Sc2-B	Stream Diverging Channel (Rip-Rap)	[Symbol]	Sc2-B
Sc2-C	Stream Diverging Channel (Concrete)	[Symbol]	Sc2-C
Sc2-D	Stream Diverging Channel (Vegetation)	[Symbol]	Sc2-D
Sc2-E	Stream Diverging Channel (Rip-Rap)	[Symbol]	Sc2-E
Sc2-F	Stream Diverging Channel (Concrete)	[Symbol]	Sc2-F
Sc2-G	Stream Diverging Channel (Vegetation)	[Symbol]	Sc2-G
Sc2-H	Stream Diverging Channel (Rip-Rap)	[Symbol]	Sc2-H
Sc2-I	Stream Diverging Channel (Concrete)	[Symbol]	Sc2-I
Sc2-J	Stream Diverging Channel (Vegetation)	[Symbol]	Sc2-J
Sc2-K	Stream Diverging Channel (Rip-Rap)	[Symbol]	Sc2-K
Sc2-L	Stream Diverging Channel (Concrete)	[Symbol]	Sc2-L
Sc2-M	Stream Diverging Channel (Vegetation)	[Symbol]	Sc2-M
Sc2-N	Stream Diverging Channel (Rip-Rap)	[Symbol]	Sc2-N
Sc2-O	Stream Diverging Channel (Concrete)	[Symbol]	Sc2-O
Sc2-P	Stream Diverging Channel (Vegetation)	[Symbol]	Sc2-P
Sc2-Q	Stream Diverging Channel (Rip-Rap)	[Symbol]	Sc2-Q
Sc2-R	Stream Diverging Channel (Concrete)	[Symbol]	Sc2-R
Sc2-S	Stream Diverging Channel (Vegetation)	[Symbol]	Sc2-S
Sc2-T	Stream Diverging Channel (Rip-Rap)	[Symbol]	Sc2-T
Sc2-U	Stream Diverging Channel (Concrete)	[Symbol]	Sc2-U
Sc2-V	Stream Diverging Channel (Vegetation)	[Symbol]	Sc2-V
Sc2-W	Stream Diverging Channel (Rip-Rap)	[Symbol]	Sc2-W
Sc2-X	Stream Diverging Channel (Concrete)	[Symbol]	Sc2-X
Sc2-Y	Stream Diverging Channel (Vegetation)	[Symbol]	Sc2-Y
Sc2-Z	Stream Diverging Channel (Rip-Rap)	[Symbol]	Sc2-Z

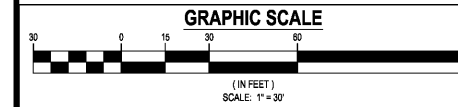


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PIPE DIAMETER 15'
FLOW RATE (cfs) 2.43
VELOCITY (fps) 3.98
TAILWATER CONDITION MIN.
APRON LENGTH (LA) 8'
WIDTH AT THE HEADWALL (W1) 3.75'
DOWNSTREAM WIDTH (W2) 9.25'
AVERAGE STONE DIAMETER (D₅₀) 0.20'
STONE DEPTH (D) 0.50'

PIPE DIAMETER 24"
FLOW RATE (cfs) 5.81
VELOCITY (fps) 5.48
TAILWATER CONDITION MIN.
APRON LENGTH (LA) 13'
WIDTH AT THE HEADWALL (W1) 6.0'
DOWNSTREAM WIDTH (W2) 15'
AVERAGE STONE DIAMETER (D₅₀) 0.80'
STONE DEPTH (D) 1.35'

SEDIMENT STORAGE CALCULATIONS
1) REQUIRED STORMWATER STORAGE = 405 CY (AS DETERMINED BY LOCAL ORDINANCE)
2) REQUIRED SEDIMENT STORAGE = 121 CY (6 CY/AC x 1.84 AC DISTURBED AREA)
3) TOTAL REQUIRED STORAGE = 405 + 124 = 529 CY
4) AVAILABLE STORAGE = 741.5 CY
5) IS THE AVAILABLE STORAGE (4) GREATER THAN THE REQUIRED STORAGE (3)?
X YES NO
6) IF "NO", THE SEDIMENT STORAGE CAPACITY OF THE POND MUST BE INCREASED.
CHOOSE THE METHOD TO BE USED:
RAISE THE INVERT OF THE OUTLET STRUCTURE _____ INCHES UNDERCUT THE POND _____ FEET.
OTHER _____
7) CLEANOUT ELEVATION = 712.87 FT (ELEVATION CORRESPONDING TO 22 CY/AC x 1.84 AC DISTURBED AREA)
8) IS THE LENGTH/WIDTH RATIO 2:1 OR GREATER?
X YES NO
9) IF "NO", THE LENGTH OF FLOW MUST BE INCREASED. CHOOSE THE METHOD TO BE USED:
BAFFLES (TYPE OF BAFFLE _____)
OTHER _____



NOTE: THIS PROJECT DOES NOT DISCHARGE INTO AN IMPAIRED STREAM.

NOTE: NO DISTURBANCE SHALL TAKE PLACE WITHIN LIMITS OF WETLANDS.

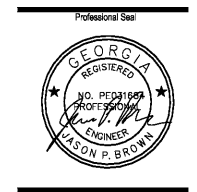
NOTE: NO DISTURBANCE SHALL TAKE PLACE WITHIN LIMITS OF THE UNDISTURBED BUFFER.

NOTE: WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.



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CIVIL ENGINEERING
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Project Information

EMMANUEL SEVENTH DAY ADVENTIST CHURCH
16 188 02 001
1780 ROCK CHAPEL ROAD, LITHONIA, GA 30058
DEKALB COUNTY
ZONING (COUNTY) - R-85 (RESIDENTIAL MEDIUM LOT)

PHASE 2 DISTURBANCE:
1.83 ACRES

REFER TO SHEET C-1.1, C-1.2 AND C-5.0 FOR EROSION, SEDIMENTATION, AND POLLUTION CONTROL NOTES

GSWCC EROSION CONTROL NOTES:

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.

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.

Any 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.

Maintenance of all soil erosion and sedimentation control measures and practices, whether temporary or permanent, shall be at all times the responsibility of the property owner.

24-HOUR CONTACT
JASON BROWN
770-713-9972

JASON P. BROWN
LEVEL II CERTIFIED DESIGN PROFESSIONAL
#52374 - EXP. 5-1-2020



Know what's below.
Call before you dig.

OWNER

COMPANY: SOUTH ATLANTIC CONFERENCE ASSOCIATION
ADDRESS: 288 HAMILTON E HOLMES DR NW ATLANTA, GA 30318

CONTACT: ANDREA JARRETT
EMAIL: ajarrett@projectusolutions.com

CONTRACTOR

COMPANY: TBD
ADDRESS: _____
CONTACT: _____
PHONE: _____

SURVEYOR

COMPANY: GEORGIA CIVIL, INC.
ADDRESS: P.O. BOX 896 MADISON, GA 30650

CONTACT: BRIAN SLATE
PHONE: 706-342-1104
FAX: 706-342-1105
EMAIL: bslate@georgiacivil.com

SITE DESIGNER

COMPANY: GEORGIA CIVIL, INC.
ADDRESS: P.O. BOX 896 MADISON, GA 30650
PHONE: 706-342-1104

DRAWING DATE:	8.22.19
DRAWN BY:	MKS
CHECKED BY:	JPB
REVISIONS	
DATE:	DESCRIPTION:
01.31.20	ADDRESS COMMENTS

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INTERMEDIATE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN

Sheet Number
C-5.2