GEORGIA UNIFORM CODING SYSTEM
SOIL EROSION & SEDIMENT CONTROL

STRUCTURAL PRACTICES

Code	Practice	Symbol
Cs-Fs	Compost Filter Sock	Cs-Fs
Cs-Hb	Straw-Bale Check Dams	Cs-Hb
Cs-Ss	Stone Check Dams	Cs-Ss
Ch-1	Channel Stabilization - Category 1 (Vegetated/Sod)	Ch-1
Ch-2	Channel Stabilization - Category 2 (Rip-Rap, TRM)	Rip-Rap or TRM Ch-2
Ch-3	Channel Stabilization - Category 3 (Concrete)	Ch-3
Cs	Construction Exit	Cs
Cr	Construction Road Stabilization	Cr
Di	Diversion	Di
Do-A	Stream Diversion Channel (Geotextile, Soil, or Polyethylene film)	Do-A
Do-B	Stream Diversion Channel (Geotextile alone)	Do-B
Do-C	Stream Diversion Channel (Class I Rip-Rap and Geotextile)	Do-C
Dn1	Temporary Downdrain Structure	Dn1
Dn2	Permanent Downdrain Structure	Dn2
Fr	Filter Ring	Fr
Ga	Gabion	Ga
Gr	Grade Stabilization Structure	Gr
Lv	Level Spreader	Lv
Rd	Rock Filter Dam	Rd
Re	Retaining Wall	Re
Rt-B	Retrofit (Slotted Board Drain w/ Stone or Filter Fabric)	Rt-B
Rt-P	Retrofit (Perforated Half- Round Pipe w/ Stone Filter)	Rt-P
Rt-Sg	Retrofit (Silt Control Gate)	Rt-Sg
Sf1-BB	Sediment Barrier (Type = Brush Barrier)	Sf1-BB
Sf1-NS	Sediment Barrier (Type = Non-Sensitive Areas)	Sf1-NS
Sf1-S	Sediment Barrier (Type = Sensitive Areas)	Sf1-S
Sf1-SB	Sediment Barrier (Type = Compost Filter Media Sock)	Sf1-SB
Sf1-O	Sediment Barrier (Type = Other)	Sf1-O
Sd2-B	Inlet Sediment Trap (Baffle Box)	Sd2-B
Sd2-Bl	Inlet Sediment Trap (Block & Gravel Drop Inlet Protection)	Sd2-Bl
Sd2-E	Inlet Sediment Trap (Excavated Inlet Sediment Trap)	Sd2-E
Sd2-F	Inlet Sediment Trap (Filter Fabric w/ Supporting Frame)	Sd2-F
Sd2-G	Inlet Sediment Trap (Gravel Drop Inlet Protection)	Sd2-G
Sd2-P	Inlet Sediment Trap (Curb Inlet Protection)	Sd2-P
Sd2-S	Inlet Sediment Trap (Sod Inlet Protection)	Sd2-S
Sd3	Temporary Sediment Basin	Sd3
St4	Temporary Sediment Trap	St4
Sk	Floating Filter Surface Skimmer	Sk
Sp6	Seep Berm	Sp6
Sr-B	Temporary Stream Crossing (Bridge)	Sr-B

STRUCTURAL PRACTICES

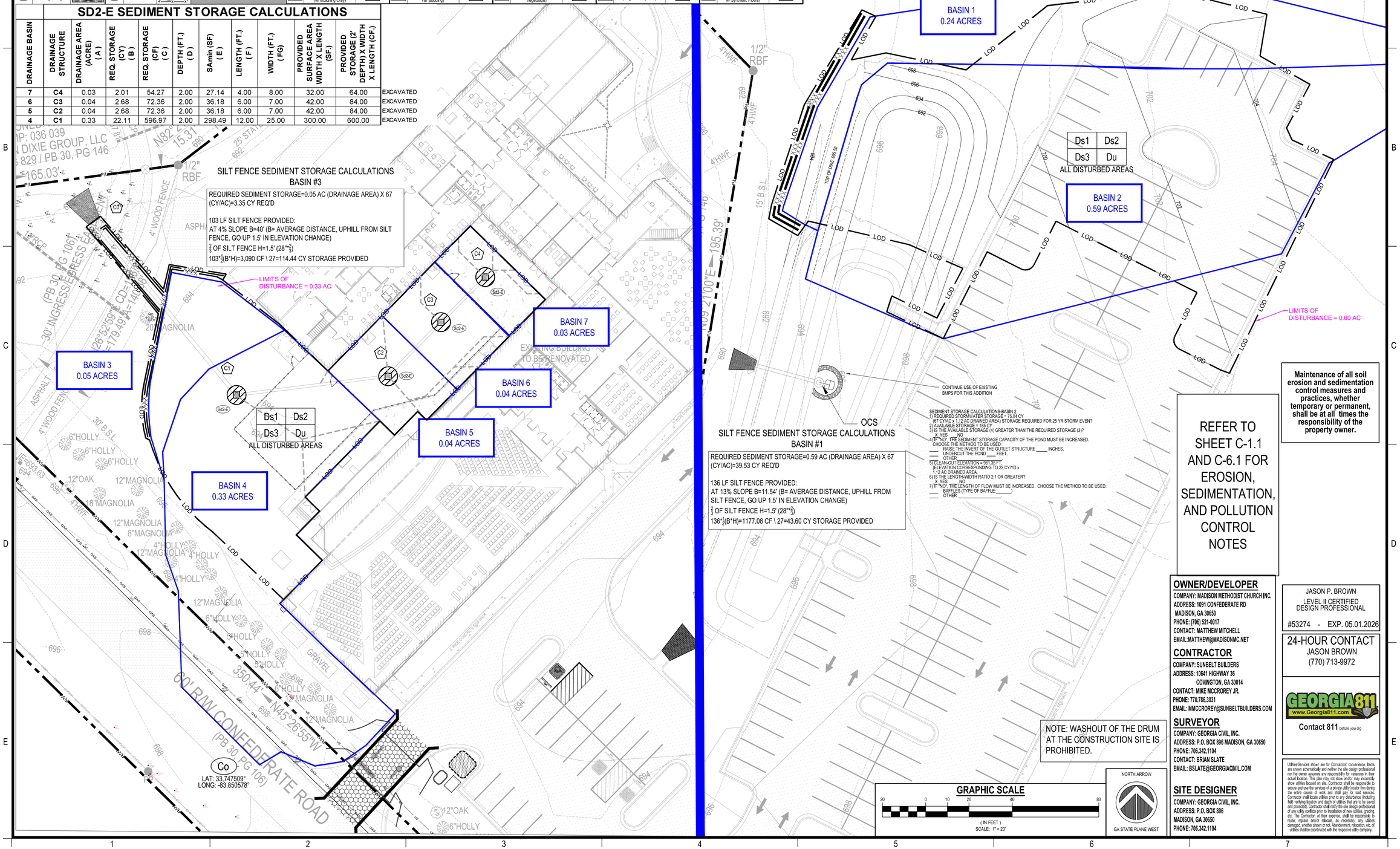
Code	Practice	Symbol
Sr-C	Temporary Stream Crossing (Culvert)	Sr-C
St	Storm Drain Outlet Protection	St
Su	Surface Roughening	Su
Tc-F	Turbidity Curtain (Floating)	Tc-F
Tc-S	Turbidity Curtain (Staked)	Tc-S
Tp	Topsoiling	Tp
Wt	Vegetated Waterway or Stormwater Conveyance Channel	Wt

VEGETATIVE MEASURES

Code	Practice	Symbol
Bf	Buffer Zone	Bf
Cs	Coastal Dune Stabilization (w/ Vegetation)	Cs
Ds1	Disturbed Area Stabilization (w/ Mulching Only)	Ds1
Ds2	Disturbed Area Stabilization (w/ Temporary Seeding)	Ds2
Ds3	Disturbed Area Stabilization (w/ Permanent Vegetation)	Ds3
Ds4	Disturbed Area Stabilization (w/ Sodding)	Ds4
Du	Dust Control on Disturbed Areas	Du
Fl-Cs	Flocculants Coagulants	Fl-Cs
Sb	Streambank Stabilization (Using Permanent Vegetation)	Sb
Ss	Slope Stabilization (Rolled Erosion Control Products (RECPs))	Ss
Tac-1	Tackifiers: Type I (Synthetic Polymers)	Tac-1
Tac-2	Tackifiers: Type II (Organic Polymers)	Tac-2
Tac-3	Tackifiers: Type III (Synthetic/ Organic Blends)	Tac-3
Tac-4	Tackifiers: Type IV (Organic Tackifiers w/ Synthetic Fibers)	Tac-4
Tac-5	Tackifiers: Type V (Synthetic/Organic Blends w/ Synthetic Fibers)	Tac-5

SD2-E SEDIMENT STORAGE CALCULATIONS

DRAINAGE BASIN	DRAINAGE STRUCTURE	DRAINAGE AREA (ACRE) (A)	REQ. STORAGE (CY) (B)	REQ. STORAGE (CF) (C)	DEPTH (FT.) (D)	SAmin (SF) (E)	LENGTH (FT.) (F)	WIDTH (FT.) (FG)	PROVIDED SURFACE AREA WIDTH X LENGTH (SF.)	PROVIDED STORAGE (2' DEPTH) X WIDTH X LENGTH (CF.)	
7	C4	0.03	2.01	54.27	2.00	27.14	4.00	8.00	32.00	64.00	EXCAVATED
6	C3	0.04	2.68	72.36	2.00	36.18	6.00	7.00	42.00	84.00	EXCAVATED
5	C2	0.04	2.68	72.36	2.00	36.18	6.00	7.00	42.00	84.00	EXCAVATED
4	C1	0.33	22.11	596.97	2.00	298.49	12.00	25.00	300.00	600.00	EXCAVATED



SILT FENCE SEDIMENT STORAGE CALCULATIONS BASIN #3

REQUIRED SEDIMENT STORAGE=0.05 AC (DRAINAGE AREA) X 67 (CY/AC)=3.35 CY REQ'D

103 LF SILT FENCE PROVIDED:
AT 4% SLOPE B=40' (B= AVERAGE DISTANCE, UPHILL FROM SILT FENCE, GO UP 1.5' IN ELEVATION CHANGE)
⅔ OF SILT FENCE H=1.5' (28"-⅔)
103'*⅓(B*H)=3,090 CF \ 27=114.44 CY STORAGE PROVIDED

SILT FENCE SEDIMENT STORAGE CALCULATIONS BASIN #1

REQUIRED SEDIMENT STORAGE=0.59 AC (DRAINAGE AREA) X 67 (CY/AC)=39.53 CY REQ'D

136 LF SILT FENCE PROVIDED:
AT 13% SLOPE B=11.54' (B= AVERAGE DISTANCE, UPHILL FROM SILT FENCE, GO UP 1.5' IN ELEVATION CHANGE)
⅔ OF SILT FENCE H=1.5' (28"-⅔)
136'*½(B*H)=1177.08 CF \ 27=43.60 CY STORAGE PROVIDED

SEDIMENT STORAGE CALCULATIONS-BASIN 2
1) REQUIRED STORMWATER STORAGE = 75.04 CY
(67 CY/AC x 1.12 AC DRAINED AREA) STORAGE REQUIRED FOR 25 YR STORM EVENT
2) AVAILABLE STORAGE = 165 CY
3) IS THE AVAILABLE STORAGE (4) GREATER THAN THE REQUIRED STORAGE (3)?
X YES NO
4) 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
5) CLEAN-OUT ELEVATION = 681.35 FT.
ELEVATION CORRESPONDING TO 22 CY/YD x 1.12 AC DRAINED AREA
6) IS THE LENGTH/WIDTH RATIO 2:1 OR GREATER?
X YES NO
7) IF "NO", THE LENGTH OF FLOW MUST BE INCREASED. CHOOSE THE METHOD TO BE USED:
___ BAFFLES (TYPE OF BAFFLE_____)
___ OTHER

REFER TO SHEET C-1.1 AND C-6.1 FOR EROSION, SEDIMENTATION, AND POLLUTION CONTROL NOTES

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.

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

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
SCALE: 1" = 20'

NORTH ARROW
GA STATE PLANE WEST

OWNER/DEVELOPER
COMPANY: MADISON METHODIST CHURCH INC.
ADDRESS: 1091 CONFEDERATE RD
MADISON, GA 30650
PHONE: (706) 521-0017
CONTACT: MATTHEW MITCHELL
EMAIL:MATTHEW@MADISONMC.NET

CONTRACTOR
COMPANY: SUNBELT BUILDERS
ADDRESS: 10641 HIGHWAY 36
COVINGTON, GA 30014
CONTACT: MIKE MCCROREY JR.
PHONE: 770.786.3031
EMAIL: MMCCRORE Y@SUNBELTBUILDERS.COM

SURVEYOR
COMPANY: GEORGIA CIVIL, INC.
ADDRESS: P.O. BOX 896 MADISON, GA 30650
PHONE: 706.342.1104
CONTACT: BRIAN SLATE
EMAIL: BSLATE@GEORGIACIVIL.COM

SITE DESIGNER
COMPANY: GEORGIA CIVIL, INC.
ADDRESS: P.O. BOX 896
MADISON, GA 30650
PHONE: 706.342.1104

JASON P. BROWN
LEVEL II CERTIFIED DESIGN PROFESSIONAL
#53274 - EXP. 05.01.2026

24-HOUR CONTACT
JASON BROWN
(770) 713-9972

GEORGIA811 www.Georgia811.com
Contact 811 before you dig

Utilities/Services shown are for Contractors' convenience. Items are shown schematically and neither the site design professional nor the owner assumes any responsibility for variances in their actual location. This plan may not show and/or may incorrectly show utilities located on site. Contractor shall be responsible to secure and use the services of a private utility locator firm during the entire course of work and shall pay for said services. Contractor shall locate utilities prior to any disturbance (including field verifying location and depth of utilities that are to be saved and protected). Contractor shall notify the site design professional of any utility conflicts prior to installation of new utilities, grading, etc. The Contractor, at their expense, shall be responsible to repair, replace and/or relocate, as necessary, any utilities damaged, whether shown or not. Abandonment, relocation, etc. of utilities shall be coordinated with the respective utility company.

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Professional Seal

GEORGIA REGISTERED NO. PE021659 PROFESSIONAL ENGINEER JASON P. BROWN

Project Information

PARKING ADD. & COURTYARD RENOVATION
1091 CONFEDERATE RD
MADISON, GA 30650
ZONING: R1

DRAWING DATE:	2/11/2026
DRAWN BY:	DLD
CHECKED BY:	JPB

REVISIONS

DATE:	DESCRIPTION:

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Sheet Title

ES&PC PLAN

Sheet Number

C-6.2