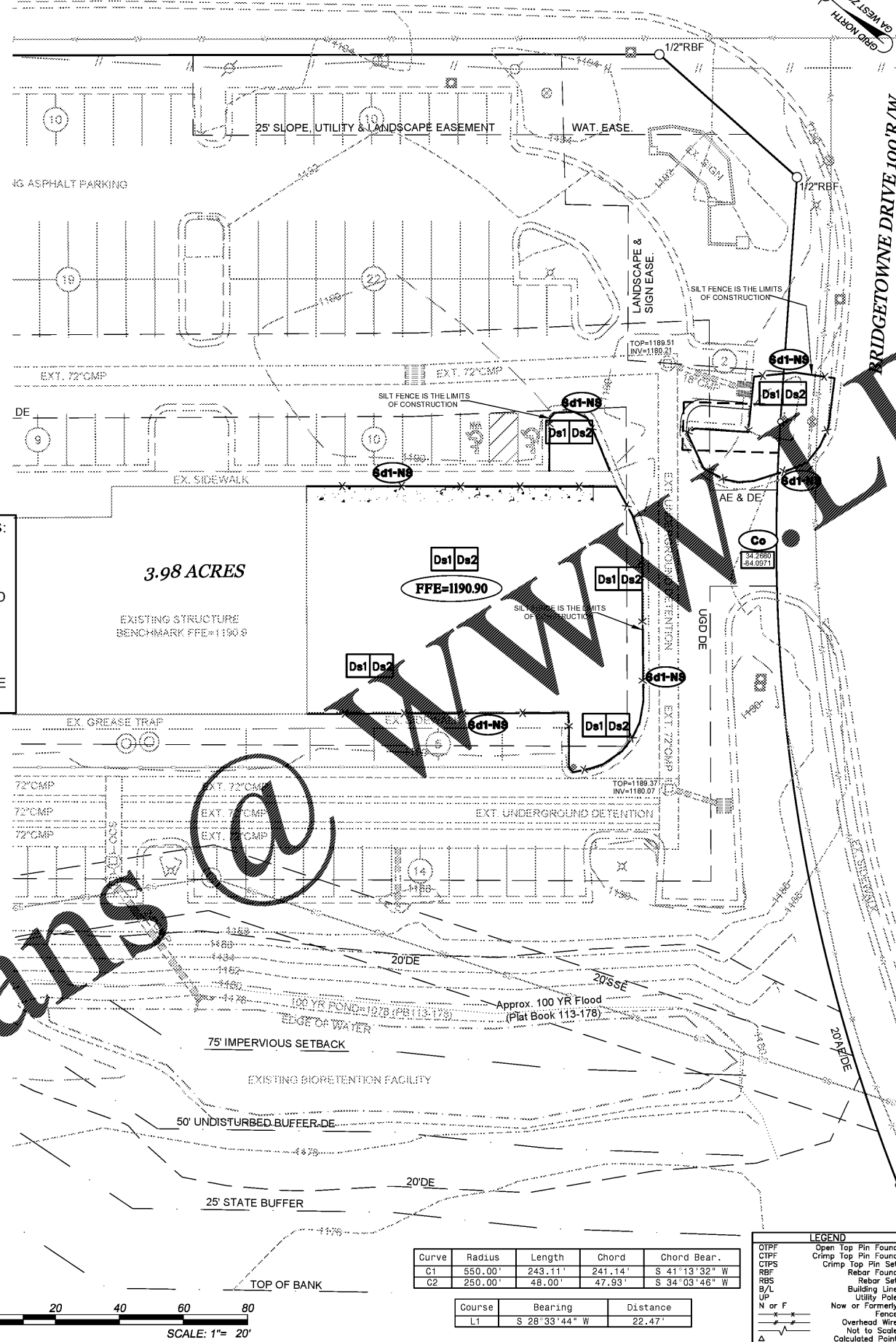


NOTES:

- NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
- THE CONTRACTOR OR DEVELOPER IS TO NOTIFY THE DESIGN ENGINEER WITHIN SEVEN (7) DAYS AFTER THE INITIAL CONSTRUCTION BMP'S ARE INSTALLED TO REVIEW THE INITIAL EROSION CONTROL BMP'S.
- ANY AMENDMENT TO THE EROSION CONTROL PLANS WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
- WASTE DISPOSAL, SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- THE PRIMARY PERMITEE MUST PROVIDE A COPY OF THE EROSION, SEDIMENT AND POLLUTION CONTROL PLAN TO EACH SECONDARY PERMITEE PRIOR TO THE SECONDARY CONDUCTING ANY CONSTRUCTION ACTIVITY AND EACH SECONDARY PERMITEE SHALL SIGN THE PLAN OR PORTION OF THE PLAN APPLICABLE TO THEIR SITE. NAMES OF SECONDARY PERMITEE'S ARE NOT KNOWN AT THIS TIME. HOWEVER, THE FOLLOWING MIGHT BE SOME OF THE SECONDARY PERMITEE'S: ATLANTA GAS AND LIGHT, SAWNEE EMC, AT&T, ADELPHIA CABLE AND SHARP RESIDENTIAL.
- 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 UNDISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH POLYACRYLAMIDE (PAM) AND MULCH OR TEMPORARY SEEDING.
- NO CONSTRUCTION ACTIVITY SHALL BE CONDUCTED WITHIN THE DELINEATED STREAM BUFFER WITHOUT PROPER VARIANCES FROM EPD AND/OR LOCAL ISSUING AUTHORITY.
- DISTURBED AREA DURING THIS PHASE OF CONSTRUCTION IS 0.2 ACRES. THE DRAINAGE AREA TO THE SEDIMENT TRAPS IS 0.2 ACRES.
- THERE WILL BE A TOTAL OF 0.18 ACRES DISTURBED ONCE THE HOUSES ARE CONSTRUCTED DURING THE FINAL PHASE OF CONSTRUCTION. A TOTAL OF 0.2 ACRES WILL BE PAID FOR TO THE GEORGIA EPD AND FORSYTH COUNTY FOR THE LAND DISTURBANCE FEE.
- SEDIMENT STORAGE REQUIRED= 0.2 AC X 67 CY/AC= 13.4 CY. THERE IS 14 CY OF STORAGE AVAILABLE IN THE SILT FENCE.
- THE GPS LOCATION OF THE CONSTRUCTION EXIT IS: LATITUDE 34.2917, LONGITUDE 84.0331.
- THE SITE SHALL NOT HAVE A PETROLEUM STORAGE AREA ON SITE. IF THE CONTRACTOR WISHES TO STORE PETROLEUM ON SITE, THE DESIGN ENGINEER MUST PROVIDE THE LOCATION AND VOLUME OF THE STORAGE TANK. THE DESIGN ENGINEER WILL REVISE THE PLANS TO SHOW THE CONTAINMENT AREA AND VOLUME.

**AKA - BROWNS BRIDGE ROAD
GEORGIA HIGHWAY 369 - 100'R/W**



EROSION CONTROL SYMBOLS LEGEND

	Co	CONSTRUCTION EXIT (TEMP.)
	Sd1	SEDIMENT BARRIER (TEMP.)
	Sd2	SEDIMENT TRAP (TEMP.)
	Rt	RETROFITTING (TEMP.)
	St	STORM OUTLET RIP-RAP
	Dn1	DOWNDRAIN STRUCTURE (TEMP.)
	Rd	ROCK FILTER DAM
	Cd	CHECK DAM
	Sd3	TEMPORARY SEDIMENT BASIN
	Su	SURFACE ROUGHENING
	Da1	DISTURBED AREA STABILIZATION (MULCH)
	Da2	DISTURBED AREA STABILIZATION (TEMP. SEED)
	Da3	DISTURBED AREA STABILIZATION (PERMANENT)
	Du	DISTURBED AREA DUST CONTROL

THE SITE IS MOSTLY DEVELOPED EXCEPT FOR THE EXISTING BUILDING PAD THAT IS MOSTLY LOW LYING VEGETATION.

ONSITE DRAINAGE AREA= 0.18± ACRES
OFFSITE DRAINAGE = 0.00 ACRES
TOTAL DRAINAGE AREA= 0.18± ACRES

INITIAL EROSION CONTROL NOTES:

- SILT FENCE AROUND THE BUILDING PAD CAN BE AVOIDED IF GRAVEL IS PLACED ON DISTURBED AREA PRIOR TO ANY RAIN EVENT AND IMMEDIATELY AFTER PAD GRADING.
- THE EXISTING ASPHALT ENTRANCE WILL BE USED FOR THE CONSTRUCTION ENTRANCE.

- | | | | |
|-------|-----|----|---|
| N/A | 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 | 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-4.0 | Y | 42 | Delineation and acreage of contributing drainage basins on the project site. |
| N/A | N/A | 43 | Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. |
| N/A | N/A | 44 | An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. |
| N/A | 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. |
| C-4.1 | Y | 46 | Soil series for the project site and their delineation. |
| C-4.0 | Y | 47 | The limits of disturbance for each phase of construction. |
| C-4.0 | Y | 48 | Provide a minimum of 67 cubic yards of sediment storage for each disturbed area. This may be provided by a sediment basin, retrofitted detention pond, and/or excavated inlet sedimentation basin for each common drainage location. Sediment storage volume must be placed prior to any land disturbing activities until final stabilization of the site has been achieved. Written justification explaining the need 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. Written justification as to why 67 cubic yards of storage is not attainable must also be given. Written justification from the Manual for Erosion & Sediment Control and all calculations used by the storage design professional to determine the required volume when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, where feasible. If outlet structures that withdraw water from the surface are not feasible, the justification for this decision must be included in the plan. |
| C-4.0 | Y | 49 | Local Best Management Practices that are consistent with and no less stringent than the Manual for Erosion & Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with the end. |
| C-4.0 | 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-4.0 | 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. |

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS
SWCD: UPPER CHATTAHOOCHEE

Project Name: CANVAS CHURCH Address: 3560 BROWNS BRIDGE ROAD
City/Country: FORSYTH Date on Plans: 03-06-2017

Plan	Included	TO BE SHOWN ON ES&PC PLAN
C-4.0	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 a Design Professional. (Signature, seal and Level II number must be on each sheet pertaining to the ES&PC plan or the Plan will not be reviewed.)
N/A	N/A	3 Limits of disturbance shall be no greater than 50 acres at any one time without written authorization from the EPD District Office. If EPD approves the request for 50 acres or more, the plan must include at least 4 of the BMPs listed in Appendix 1 of the Checklist. (A copy of the written approval by EPD must be attached to the plan to be reviewed.)
C-1.0	Y	4 The name and phone number of the person responsible for erosion, sedimentation and pollution control.
C-1.0	Y	5 Provide the name, address and phone number of primary permittee.
C-1.0	Y	6 Note the date of disturbance and the phase of construction.
C-1.0	Y	7 Provide the 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-1.0	Y	9 Describe the nature of construction activity.
C-1.0	Y	10 Provide a map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C-1.0	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-1.0	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-1.0	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-1.0	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-1.0	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."
N/A	N/A	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
C-1.0	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-1.0	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-1.0	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-1.0	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-1.0	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	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 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	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-4.1	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-4.0	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
N/A	N/A	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."
N/A	N/A	27 Description of the practices that will be used to reduce the pollutants in storm water discharges."
C-4.2	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-4.2	Y	29 Provide complete requirements of inspections and record keeping by the primary permittee."
C-4.2	Y	30 Provide complete requirements of sampling frequency and reporting of sampling results."
C-4.2	Y	31 Provide complete details for retention of records as per Part IV.F. of the permit."
C-4.2	Y	32 Description of analytical methods to be used to collect and analyze the samples from each location."
C-4.2	Y	33 Appendix B rationale for NTU values at all outfall sampling points where applicable."
C-4.0-3	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."
C-4.0-3	Y	36 Graphic scale and North arrow
C-4.0-3	Y	37 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: CONTINUED ON THE OTHER SIDE OF THE PAGE.

LEGEND

OTPF	Open Top Pin Found
CTPF	Crimp Top Pin Found
CTPS	Crimp Top Pin Set
RBF	Rebar Found
RBS	Rebar Set
B/L	Building Line
U/P	Utility Pole
N or F	Now or Formerly
—	Fence
—	Overhead Wire
—	Not to Scale
△	Calculated Point

Curve	Radius	Length	Chord	Chord Bear.
C1	550.00'	243.11'	241.14'	S 41°13'32" W
C2	250.00'	48.00'	47.93'	S 34°03'46" W

Course	Bearing	Distance
L1	S 28°33'44" W	22.47'

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GSWCC LEVEL II CERTIFICATION #16,729

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(770) 889-9430
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Site Development Plans for:
CANVAS CHRISTIAN CHURCH
Land Lot #100, 14th Dist., 1st Section
Forsyth County, Georgia
04-01-2017

SHEET TITLE:
INITIAL EROSION SEDIMENT & POLLUTION CONTROL PLAN

SHEET:
C-4.0

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