



24 HOUR CONTACT
JORDAN DEENEY
208-477-4975
JORDAN@OCGEORGIA.COM

SITE LEGEND

	CONCRETE DRIVEWAY
	PROPOSED STRUCTURE
	SECOND LEVEL ADDITION TO EXISTING STRUCTURE

PROJECT DESCRIPTION
 ADDITION TO AN EXISTING SINGLE FAMILY RESIDENCE.

PROPERTY INFORMATION
 ADDRESS: 3220 RIDGECREST RD SE SMYRNA, GA 30080
 SUBDIVISION: SMYRNA HEIGHTS
 PROPERTY AREA: 11,761 SF OR 0.270 ACRES
 PIN: 17045200980
 LAND LOTS: 32
 DISTRICT: 6TH
 ZONING: R-15
 RECEIVING WATERS: UNNAMED TRIBUTARY TO NICKAJACK CREEK

PROJECT DETAILS
IMPERVIOUS SURFACE CALCULATIONS
 BUILDING (PROP+EX): 1,737 SF
 DRIVEWAY: 682 SF
 TOTAL IMPERVIOUS AREA: 2,419 SF

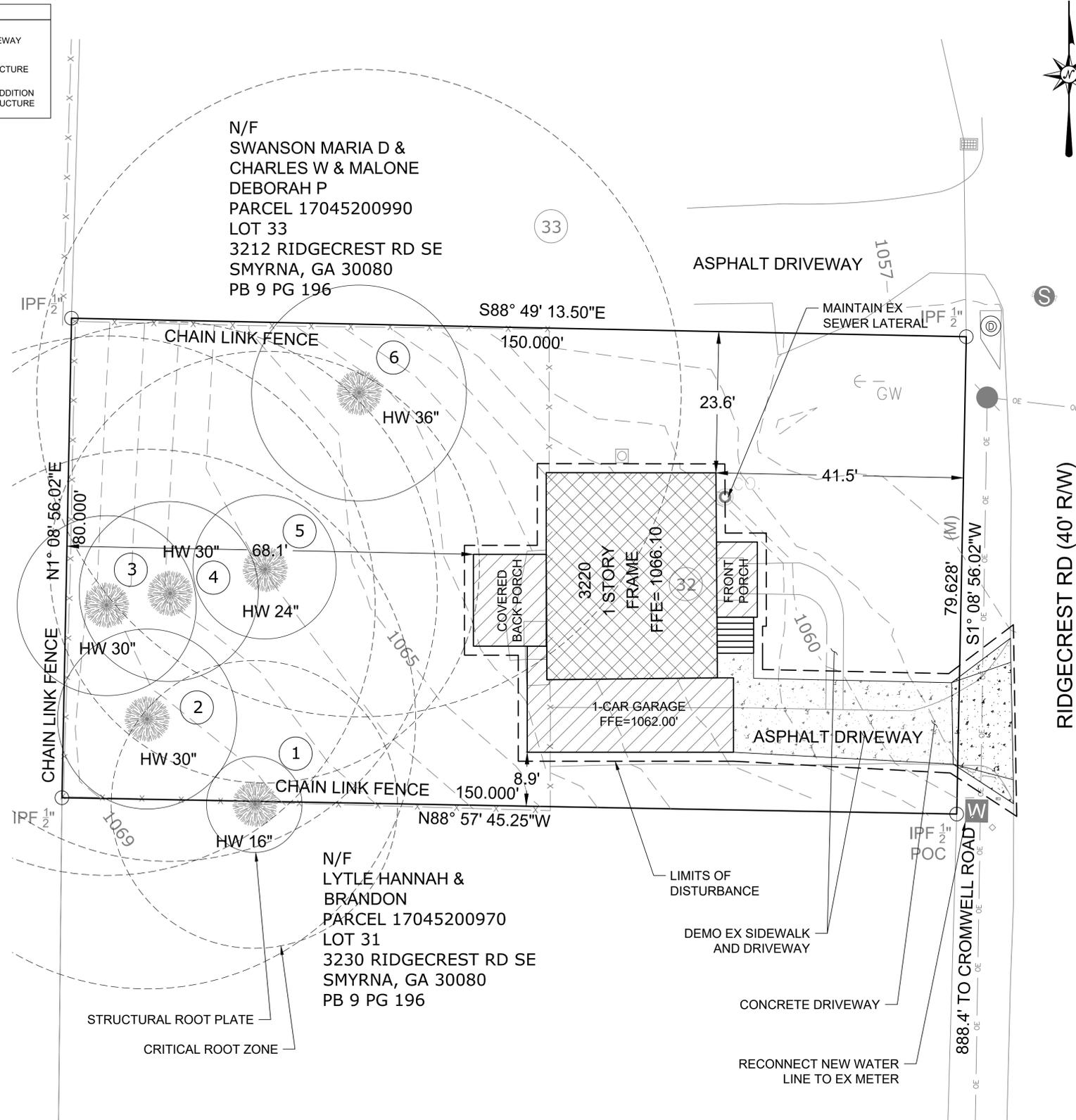
LOT COVERAGE= 1,737 / 11,761 = 20.6% (MAX 35%)
 TOTAL DISTURBED AREA: 2,900 SF OR 0.066 ACRES
 CONSTRUCTION EXIT COORDINATES: LATITUDE: 33.87506° LONGITUDE: -84.52545°

SEDIMENT STORAGE CALCS:
 REQD- 0.066' 67 = 4.4 CY
 PROVIDED- SILT FENCE: 62 LF * 0.1 = 6.2 CY

PROPERTY OWNER/ PRIMARY PERMITTEE
 JORDAN DEENEY
 OPEN CONCEPTS GEORGIA INC
 PO BOX 9303, MARIETTA, GA 30062
 208-477-4975
 JORDAN@OCGEORGIA.COM

TREE IMPACTS

ID	DBH (in)	SPECIES	IMPACT (%)
1	16	Hardwood	0.0
2	30	Hardwood	0.0
3	30	Hardwood	0.0
4	30	Hardwood	0.0
5	24	Hardwood	0.2
6	36	Hardwood	6.5



CIVIL ACE ENGINEERING
 Engineering | Planning | Traffic | Surveying
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 Roswell, GA 30075
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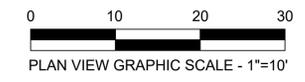
GRADING & SITE PLAN

**3220 RIDGECREST RD
 BUILDING ADDITION**

NO.	REVISIONS	DATE

PROJECT NO. 23066
 DESIGNED BY: AP
 CHECKED BY: MG
 DATE: 11-17-2023

SHEET
C1.0



EROSION CONTROL NOTES:

- PRIOR TO LAND-DISTURBING ACTIVITIES THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA EROSION CONTROL INSPECTOR.
- 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.
- 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.
- 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 AND TEMPORARY SEEDING.
- ANY DISTURBED AREAS REMAINING IDLE FOR 30 DAY SHALL BE STABILIZED WITH PERMANENT VEGETATION.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN, AND REPAIRED AS NECESSARY.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
- SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171 - TYPE C TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, 1993 EDITION, AND BE WIRED REINFORCED.
- THE PROPERTY OWNER AND CONTRACTOR ARE EQUALLY RESPONSIBLE FOR ALL EROSION CONTROL ACTIVITIES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS ARISE CONCERNING DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES, NOT THE CITY OF ATLANTA.
- ALL TEMPORARY AND PERMANENT SEEDING MUST BE PERFORMED AT THE APPROPRIATE SEASON. IN SUCH INSTANCES WHERE THE ESTABLISHMENT OF VEGETATION IS INOPPORTUNE DUE TO SEASON OR DROUGHT, DISTURBED AREAS SHALL BE TEMPORARILY STABILIZED USING 2"-4" OF MULCH (DS1). ADDITIONAL PLANTINGS WILL BE NECESSARY IF A SUFFICIENT STAND OF GRASS FAILS TO GROW.
- SILT FENCES SHALL NOT BE PLACED IN STREAM BUFFER OR FLOODPLAINS, UNLESS UTILIZED FOR THE CONSTRUCTION OF AN EXEMPT ACTIVITY (I.E. ROADWAY DRAINAGE STRUCTURES, SEWERWATER CROSSINGS, OR DRAINAGE STRUCTURES) PER THE APPROVED PLANS. FOR SUCH DISTURBANCES WITHIN THE BUFFER, THE AREA SHALL BE IMMEDIATELY STABILIZED USING EROSION CONTROL MATTING AND/OR BLANKETS ONCE THE ACTIVITY IS COMPLETE.
- SEDIMENT STORAGE VOLUME @ 67 CY/ACRE MUST BE INSTALLED PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITY AND IN PLACE UNTIL FINAL STABILIZATION OCCURS.
- SUBCONTRACTORS INVOLVED WITH LAND DISTURBANCE ACTIVITIES SHALL MEET THE EDUCATION REQUIREMENTS (LEVEL 1) DESCRIBED IN O.C.G.A 12-7-19.
- MAINTAIN CONSTRUCTION EXIT UNTIL GRADING ACTIVITIES HAVE BEEN COMPLETED.
- SILT FENCE MAY BE REMOVED ONCE RETAINING WALL HAS BEEN CONSTRUCTED. RETAINING WALL ACT AS A SEDIMENT BARRIER.
- EROSION CONTROL BLANKETS TO BE PLACED ALONG ALL SLOPES STEEPER THAN 3:1.

BMPs FOR THE REMEDIATION OF PETROLEUM SPILLS:

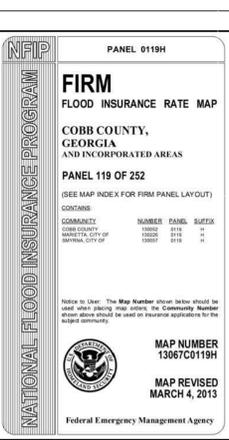
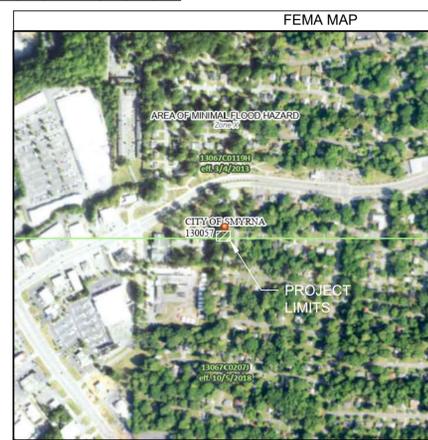
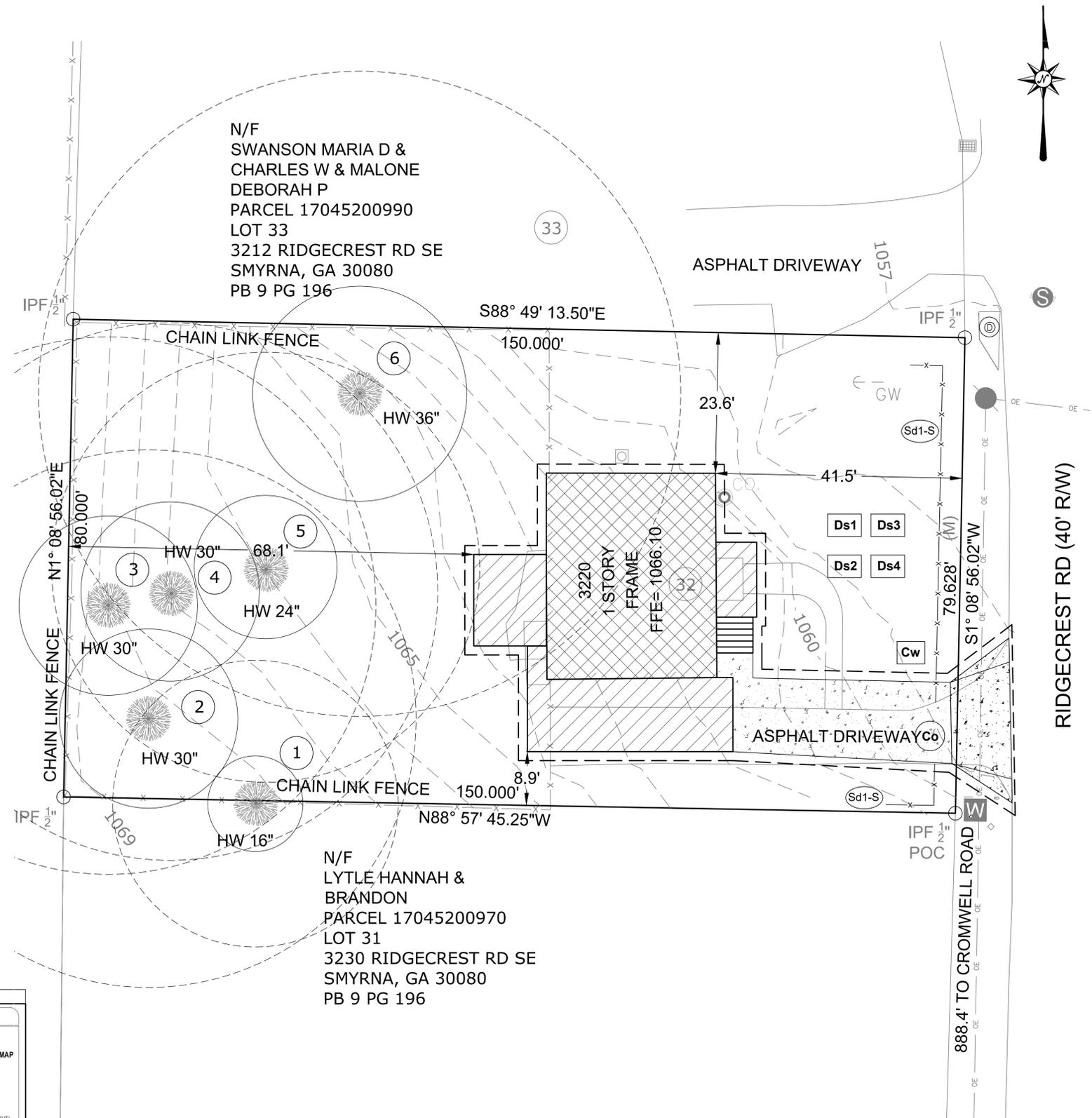
- LOCAL, STATE AND MANUFACTURE'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
- MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GAGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
- SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
- ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS SHALL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
- ALL SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN AN SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) SHALL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE IMPACTS, THE GEORGIA EPD SHALL BE CONTACTED WITHIN 24 HOURS.
- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL SHALL BE CLEANED UP AND LOCAL AGENCIES ARE TO BE CONTACTED AS REQUIRED.
- THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STARED AN-SITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY A LICENSED PROFESSIONAL.

SITWORK CONSTRUCTION SCHEDULE ESTIMATED START: JANUARY 2023												
ACTIVITY	WEEK											
	1	2	3	4	5	6	7	8	9	10	11	12
EROSION CONTROL MAINTENANCE	X	X	X	X	X	X	X	X	X	X	X	X
INITIAL EROSION CONTROL BMP INSTALLATION	X											
CLEARING AND GRUBBING		X	X									
INTERMEDIATE EROSION CONTROL BMP INSTALLATION			X									
GRADING				X	X	X	X					
BUILDING CONSTRUCTION							X	X	X	X	X	X
TEMPORARY GRASSING	X		X	X			X	X				
PERMANENT GRASSING				X				X				X
FINAL EROSION CONTROL BMP INSTALLATION								X	X			
REMOVAL OF TEMPORARY BMP'S										X	X	
FINAL CLEAN-UP											X	X

CONSTRUCTION EXIT NOTE:

IF USING EXISTING DRIVEWAY AS A CONSTRUCTION EXIT, NOTE THE FOLLOWING: ALL MATERIALS SPILLED, DROPPED, OR TRACKED FROM VEHICLES FROM SITE ONTO ROADWAY MUST BE REMOVED IMMEDIATELY BY SWEEPING. EXCESSIVE OFFSITE TRACKING MAY WARRANT THE INSTALLATION OF A CONSTRUCTION EXIT AT THE DISCRETION OF THE CITY OF SMYRNA INSPECTOR. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMAND.

SITE LEGEND	
Ds1	STABILIZATION (MULCHING ONLY)
Ds2	STABILIZATION (TEMPORARY SEEDING)
Ds3	STABILIZATION (PERMANENT SEEDING)
Ds4	SODDING
Cw	CONCRETE WASHOUT
Co	CONSTRUCTION EXIT
Sd1-S	TP-C SILT FENCE



PROJECT SOILS:
UHc: URBAN LAND-MADISON COMPLEX, 2 TO 10% SLOPES

FLOOD PLAIN NOTE:
PER FEMA MAP 13067C0119H THIS PROJECT IS NOT LOCATED IN A 100-YEAR FLOOD PLAIN

DESIGN PROFESSIONAL CERTIFICATION

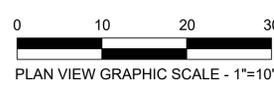
I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE 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 STORMWATER 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. GAR100001.

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 SUPERVISION.

DESIGN PROFESSIONAL'S SIGNATURE: *Jordan Deeney* DATE: 09/29/2023

DESIGN PROFESSIONAL'S GSWCC LEVEL II CERT NUMBER: 0000078552 EXPIRATION DATE: 10-16-2025

24 HOUR CONTACT
JORDAN DEENEY
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11/17/2023

GEORGIA REGISTERED PROFESSIONAL ENGINEER
VINCENT M. GUBINSKIS
LEVEL II #0000078552

CIVIL ACE ENGINEERING
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(470) 448-4146

EROSION CONTROL PLAN

3220 RIDGECREST RD BUILDING ADDITION

NO.	REVISIONS	DATE

PROJECT NO. 23066
DESIGNED BY: AP
CHECKED BY: MG
DATE: 11-17-2023

SHEET C2.0

Ds1	MULCHING ONLY
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MULCHING BY ITSELF MAY BE USED AS TEMPORARY STABILIZATION (MULCHING ONLY) WHEN SEED WILL NOT HAVE A SUITABLE GROWING SEASON. STABILIZATION MAY BE ACCOMPLISHED WITH: STRAW - 2 TONS/ACRE OR HAY-2.5 TONS/ACRE PROVIDED THAT THE APPROPRIATE DEPTH (2"-4") IS ACHIEVED. ALL HAY OR STRAW SHALL BE ANCHORED WITH A TACKLER (Tb) (EMULSIFIED ASPHALT, GRADE AF-5 OR SS-1, AT A RATE OF 100 GAL. OF EMULSIFIED ASPHALT AND 100 GAL. OF WATER PER TON OF MULCH), AND PROVIDED THAT A CONTINUOUS COVERAGE OF 90% OR GREATER OF THE SOIL SURFACE IS MAINTAINED. OTHER ACCEPTABLE MULCHES ARE WOOD WASTE, BARK, OR SANDUST SPREAD 2-3" DEEP. WHEN MULCH IS USED WITH SEED, FOLLOW THE SPECIFICATIONS FOR TEMPORARY SEEDING (Ds2) OR PERMANENT SEEDING (Ds3).

Ds2	TEMPORARY GRASSING
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TEMPORARY GRASSING SHALL CONSIST OF SOWING A QUICK GRASS SUCH AS RYE, BROWN TOP MILLET, OR A GRASS SUITABLE TO THE AREA AND SEASON. MULCH, LIME AND FERTILIZER MAY BE OMITTED UNLESS LOCAL CONDITIONS OR SOIL TESTS INDICATE OTHERWISE. TEMPORARY VEGETATIVE MEASURES SHOULD BE COORDINATED WITH PERMITTED MEASURES TO ASSURE ECONOMIC AND EFFECTIVE STABILIZATION. FOR ADDITIONAL OPTIONS OR IF THE AREA IS EXPECTED TO BE UNDISTURBED FOR LONGER THAN SIX MONTHS, PERMANENT PERENNIAL VEGETATION (Ds3) SHALL BE USED. REFER TO THE COMPANION PLANTING SCHEDULE UNDER PERMANENT GRASSING (Ds3).

Ds2 GRASSING SCHEDULE (FOR TEMPORARY)				
SPECIES	PLS RATE	DATES	LIME	
RYEGRASS (ANNUAL)	40 LBS./AC.	8/15 - 4/1	1 TON/ACRE	
WEeping LOVEGRASS (PERENNIAL)	4 LBS./AC.	3/15 - 6/15	1 TON/ACRE	
SUBGRASS	60 LBS./AC.	4/1 - 8/15	1 TON/ACRE	

Ds3	PERMANENT GRASSING
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PERMANENT GRASSING SHALL BE APPLIED AND REAPPLIED IF NECESSARY UNTIL FINAL STABILIZATION IS ACHIEVED. FINAL STABILIZATION MEANS THAT ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED, AND THAT FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES, AT LEAST 70% OF THE SOIL SURFACE IS UNIFORMLY COVERED BY PERENNIAL VEGETATION WITHIN THE GROWING SEASON (OR OTHER EQUIVALENT PERMANENT STABILIZATION MEASURES). MULCHING IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDING AREAS SHALL ACHIEVE 75% SOIL COVER (25% UNCOVERED) WITHIN 24 HOURS AFTER SEEDING (3). REFER TO THE FERTILIZATION REQUIREMENTS CHART FOR TYPES AND RATES OF FERTILIZER APPLICATION.

Ds3 GRASSING SCHEDULE (FOR PERMANENT)				
SPECIES	PLS RATE	DATES	LIME	
HILLED BERMUDA (2)	10 LBS./AC.	3/1 - 7/1	1 TON/ACRE	
WEeping LOVEGRASS	4 LBS./AC.	3/15 - 6/15	1 TON/ACRE	
FESCUE	50 LBS./AC.	8/15 - 11/1	1 TON/ACRE	

FOR COMPANION PLANTING					
TARGET SPECIES	PLS RATE	COMPANION SPECIES	PLS RATE	DATES	LIME
SERICEA LESPEDEZA (4)	60 LBS./AC.	WEeping LOVEGRASS	2 LBS./AC.	3/1 - 5/30	1 TON/ACRE
UNHILLED BERMUDA (2)	10 LBS./AC.	BROWN TOP MILLET	2 LBS./AC.	10/1 - 3/1	1 TON/ACRE
TALL FESCUE	30 LBS./AC.	RYEGRASS, ANNUAL	2 LBS./AC.	10/15 - 1/15	1 TON/ACRE
HILLED BERMUDA	6 LBS./AC.	WILMINGTON BAHIA(1)	30 LBS./AC.	7/1 - 8/15	1 TON/ACRE

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS
SWCD: COBB COUNTY SWCD

Project Name: 3220 RIDGECREST BUILDING ADDITION Address: 3220 RIDGECREST RD. SMYRNA, GA 30080
City/County: SMYRNA/COBB Date on Plans: 11-16-2023
Name & email of person filling out checklist: VINCENT GUOBATIS- MICHAEL@CIVILACEENG.COM

Plan	Included	TO BE SHOWN ON ES&PC PLAN
Page #	V/N	
C3.0	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)

2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed)

3 Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist and the GAEPD approval letter. (A copy of the written approval by GAEPD must be attached to the plan for the Plan to be reviewed.)

4 The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.

5 Provide the name, address, email address, and phone number of primary permittee.

6 Note total and disturbed acreages of the project or phase under construction.

7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.

8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.

9 Description of the nature of construction activity and existing site conditions.

10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.

11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.

12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 19 of the permit.

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 Part IV page 19 of the permit.

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." in accordance with Part IV.A.5 page 25 of the permit.

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 waded 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."

16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.

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."

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."

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."

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."

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."

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 a Biotically 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.

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.

24 BMPs for concrete washdown of boots, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.

25 Provide BMPs for the remediation of all petroleum spills and leaks.

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.

NOTES:

- ALL SEEDING RATES ARE EXPRESSED AS PURE LIVE SEED (PLS).
- MULCHING BLANKETS (MB) AND HYDROSEED ARE REQUIRED ON SLOPES STEEPER THAN 2H:1V.
- THE LANDSCAPE PLAN, IF ANY WILL SUPERSEDE THIS DETAIL FOR PERMANENT VEGETATION.
- MULCHING ONLY (Ds1) OR TEMPORARY GRASSING (Ds2) SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE AND WHEN ROUGH GRADED DISTURBANCE WILL LAST FOR LESS THAN SIX MONTHS. IF ROUGH GRADED AREAS WILL BE UNDISTURBED FOR LONGER THAN SIX MONTHS OR AREA IS AT FINAL GRADE, THEN PERMANENT VEGETATION (Ds3) SHALL BE USED.
- BLOCK SOG (Ds4) PROVIDES IMMEDIATE COVER AND IS ESPECIALLY EFFECTIVE IN CONTROLLING EROSION ADJACENT TO CONCRETE FLUMES AND OTHER STRUCTURES.
- THE CONTRACTOR SHALL SELECT A BMP SUITABLE TO THE SEASON OF THE YEAR AND THE GRADING STATUS OF THE AREA TO BE STABILIZED.
- CONSTRUCTION SPECIFICATIONS FOR EACH BMP SHALL BE AS PUBLISHED IN THE MANUAL FOR SEDIMENT AND EROSION CONTROL IN GEORGIA, LATEST EDITION.

(1) SUBSTITUTE PENSACOLA BAHIA IN THE COASTAL MAJOR RESOURCE AREA OF GEORGIA.
(2) BERMUDA SHOULD NOT BE PLANTED IN THE M-L MAJOR RESOURCE AREA OF GEORGIA.
(3) MULCH FOR HYDROSEED: 500 LB. OF WOOD CELLULOSE MULCH OR EQUIVALENT PER ACRE, THEN APPLY STRAW @ 2 TON/AC. OR HAY @ 2.5 TONS/AC. STRAW OR HAY SHALL BE DRY, NOT CURED, AND FREE OF WEED SEED.
(4) SERICEA LESPEDEZA SHALL BE QUANTIFIED AND INOCULATED WITH Tc1 BACTERIA. USE DOUBLE THE RECOMMENDED RATE OF INOCULUM FOR CONVENTIONAL SEEDING AND 4X THE RECOMMENDED RATE FOR HYDROSEEDING. OTHERWISE FOLLOW THE SUPPLIER'S INSTRUCTIONS WHEN INOCULATING LOGGERS.

FERTILIZER REQUIREMENTS				
TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. COOL SEASON GRASSES	FIRST MAINTENANCE	4-13-12	1500 LBS PER ACRE	50-100 LBS PER ACRE 1-2
	SECOND MAINTENANCE	8-12-12	1500 LBS PER ACRE	30
2. COOL SEASON LEGUMES AND LEGUMES	FIRST MAINTENANCE	6-12-12	1500 LBS PER ACRE	0-50 LBS PER ACRE 1-
	SECOND MAINTENANCE	0-10-10	400 LBS PER ACRE	
3. WARM SEASON GRASSES	FIRST MAINTENANCE	10-10-10	1300 LBS PER ACRE	3-
	SECOND MAINTENANCE	10-10-10	1100 LBS PER ACRE	
4. FINE SEEDINGS	FIRST MAINTENANCE	20-10-5	800 LBS PER ACRE	PER SEEDING PHASE
				PER SEEDING PHASE
5. SHRUB LESPEDEZA	FIRST MAINTENANCE	0-10-10	700 LBS PER ACRE	6-
			700 LBS PER ACRE	
6. TEMPORARY COVER CROPS SEEDS ACRE	FIRST MAINTENANCE	10-10-10	500 LBS PER ACRE	30 LBS PER ACRE 5-
7. WARM SEASON GRASSES	FIRST MAINTENANCE	6-12-12	1500 LBS PER ACRE	50-100 LBS PER ACRE 2-6-
	SECOND MAINTENANCE	10-10-10	400 LBS PER ACRE	30 LBS PER ACRE
8. WARM SEASON GRASSES AND LEGUMES	FIRST MAINTENANCE	6-12-12	1500 LBS PER ACRE	30 LBS/ACRE 5-
	SECOND MAINTENANCE	0-10-10	400 LBS PER ACRE	

1- APPLY IN SPRING FOLLOWING SEEDING.
2- APPLY IN SPLIT APPLICATIONS WITH HIGH RATES AND USE.
3- APPLY IN 3 SPLIT APPLICATIONS.
4- APPLY WHEN PLANTS ARE 20-30" HIGH.
5- APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.

N/A	N	27	Description of practices to provide cover for building materials and building products on site. *
N/A	N	28	Description of the practices that will be used to reduce the pollutants in storm water discharges. *
C1.0	Y	29	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).

N/A	N	30	Provide complete requirements of inspections and record keeping by the primary permittee. *
N/A	N	31	Provide complete requirements of Sampling Frequency and Reporting of sampling results. *
N/A	N	32	Provide complete details for Retention of Records as per Part IV.F. of the permit. *
N/A	N	33	Description of analytical methods to be used to collect and analyze the samples from each location. *
N/A	N	34	Appendix B rationale for NTU values at all outfall sampling points where applicable. *
N/A	N	35	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged. *
N/A	N	36	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. *

C1.0	Y	37	Graphic scale and North arrow.
C1.0	Y	38	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft
1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Sleep 8% +	2.5 or 10

N/A	N	39	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 GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
N/A	N	40	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. *
N/A	N	41	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.
N/A	N	42	Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
N/A	N	43	Delineation and acreage of contributing drainage basins on the project site.
N/A	N	44	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. *
N/A	N	45	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
N/A	N	46	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.

C1.0	Y	47	Soil series for the project site and their delineation.
C1.0	Y	48	The limits of disturbance for each phase of construction.
C1.0	Y	49	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision 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. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.

C2.0	Y	50	Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
C3.0	Y	51	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.
C3.0	Y	52	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.

N/A	N	53	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.
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Effective January 1, 2023

SOD MAINTENANCE AND INSTALLATION

SOD LAYOUT AND PREPARATION

INCORRECT **CORRECT**

BUTTING: ANGLED ENDS CAUSED BY THE AUTOMATIC SOD CUTTER MUST BE MATCHED CORRECTLY.

DIRECTIONS FOR INITIAL MAINTENANCE

Step 1. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL

Step 2. WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.

Step 3. MOW WHEN THE SOD IS ESTABLISHED -- IN 2-3 WEEKS. SET THE MOWER HIGH (2"-3").

APPEARANCE OF GOOD SOD