BEST MANAGEMENT PRACTICIES

1. STRIPPING OF VEGETATION, REGRADING, AND OTHER DEVELOPMENT ACTIVITIES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO MINIMIZE EROSION.

2. CUT AND FILL OPERATIONS SHALL BE KEPT TO A MINIMUM, AND WILL NOT ENDANGER ADJACENT PROPERTIES.

3. DEVELOPMENT PLANS WILL CONFORM TO TOPOGRAPHY AND SOIL TYPE, SO AS TO CREATE THE LOWEST PRACTICABLE EROSION POTENTIAL;

4. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED, AND SUPPLEMENTED;

5. THE DISTURBED AREA AND THE DURATION OF EXPOSURE TO EROSIVE ELEMENTS SHALL BE KEPT TO A PRACTICABLE MINIMUM;

6. DISTURBED SOIL SHALL BE STABILIZED AS QUICKLY AS PRACTICABLE;

7. TEMPORARY VEGETATION OR MULCHING SHALL BE EMPLOYED TO PROTECT EXPOSED CRITICAL AREAS DURING DEVELOPMENT;

8. PERMANENT VEGETATION AND STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED AS SOON AS PRACTICABLE;

9. TO THE EXTENT NECESSARY, SEDIMENT IN RUNOFF WATER SHALL BE TRAPPED BY THE USE OF DEBRIS BASINS, SILT TRAPS, OR SIMILAR MEASURES UNTIL THE DISTURBED AREA IS STABILIZED; SILT FENCING WILL BE DOT TYPE "C"

10. ADEQUATE PROVISIONS SHALL BE PROVIDED TO MINIMIZE DAMAGE FROM SURFACE WATER TO THE CUT FACE OF EXCAVATIONS OR THE SLOPING SURFACES OF FILLS; ALL FILL SLOPES SHALL HAVE SILT FENCING AT THE TOE;

11. GRADING EQUIPMENT SHALL CROSS FLOWING STREAMS BY THE MEANS OF BRIDGES OR CULVERTS, EXCEPT WHEN SUCH METHODS ARE NOT FEASIBLE, PROVIDED IN ANY CASE THAT SUCH CROSSINGS SHALL BE KEPT TO A MINIMUM;

12. FILLS SHALL NOT ENCROACH UPON NATURAL WATER COURSES OR CONSTRUCTED CHANNELS IN A MANNER SO AS TO ADVERSELY AFFECT OTHER PROPERTY OWNERS;

13. PROVISIONS SHALL BE PROVIDED FOR TREATMENT OR CONTROL OF ANY SOURCE OF SEDIMENTS AND ADEQUATE SEDIMENTATION CONTROL FACILITIES TO RETAIN SEDIMENTS ON SITE OR PRECLUDE SEDIMENTATION OF ADJACENT WATERS BEYOND THE LEVELS SPECIFIED IN THIS PERMIT;

14. NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25-FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS. EXCEPTIONS INCLUDE AN APPROVED VARIANCE OR WHERE A DRAINAGE STRUCTURE OR A ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED, PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED IN THE PROJECT PLANS AND SPECIFICATIONS AND ARE IMPLEMENTED;

15. NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A BUFFER AND A BUFFER SHALL REMAIN IN ITS NATURAL, UNDISTURBED, STATE OF VEGETATION UNTIL ALL LAND-DISTURBING ACTIVITIES ON THE CONSTRUCTION SITE ARE COMPLETED;

16. NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25-FOOT BUFFER, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, ALONG THE BANKS OF ANY STATE WATERS CLASSIFIED AS 'TROUT STREAMS' EXCEPT WHEN APPROVAL IS GRANTED BY THE DIRECTOR FOR ALTERNATE BUFFER REQUIREMENTS IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-6, OR WHERE A ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED; PROVIDED, HOWEVER, THAT SMALL SPRINGS AND STREAMS CLASSIFIED AS 'TROUT STREAMS' WHICH DISCHARGE AN AVERAGE ANNUAL FLOW OF 25 GALLONS PER MINUTE OR LESS SHALL HAVE A 25-FOOT BUFFER OR THEY MAY BE PIPED, AT THE DISCRETION OF THE PERMITTEE, PURSUANT TO THE TERMS OF A RULE PROVIDING FOR A GENERAL VARIANCE PROMULGATED BY THE BOARD OF NATURAL RESOURCES INCLUDING NOTIFICATION OF SUCH TO EPD AND THE LOCAL ISSUING AUTHORITY OF THE LOCATION AND EXTENT OF THE PIPING AND PRESCRIBED METHODOLOGY FOR MINIMIZING THE IMPACT OF SUCH PIPING AND FOR MEASURING THE VOLUME OF WATER DISCHARGED BY THE STREAM. ANY SUCH PIPE MUST STOP SHORT OF THE DOWN STREAM PERMITTEE'S PROPERTY, AND THE PERMITTEE MUST COMPLY WITH THE BUFFER REQUIREMENT FOR ANY ADJACENT TROUT STREAMS;

17. EXCEPT AS PROVIDED ABOVE, FOR BUFFERS REQUIRED PURSUANT TO PART IV.(I). AND (II) AND (III), NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A BUFFER AND A BUFFER SHALL REMAIN IN ITS NATURAL, UNDISTURBED, STATE OF VEGETATION UNTIL ALL LAND-DISTURBING ACTIVITIES ON THE CONSTRUCTION SITE ARE COMPLETED. DURING COVERAGE UNDER THIS PERMIT, A BUFFER CANNOT BE THINNED OR TRIMMED OF VEGETATION AND A PROTECTIVE VEGETATIVE COVER MUST REMAIN TO PROTECT WATER QUALITY AND AQUATIC HABITAT AND A NATURAL CANOPY MUST BE LEFT IN SUFFICIENT QUANTITY TO KEEP SHADE ON THE STREAM BED OR MARSH.

18. VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL FOR THE PURPOSE OF PROVIDING A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G., NO SIGNIFICANT CHANGES IN THE HYDROLOGICAL REGIME OF THE RECEIVING WATER(S).

19. INSTALLATION AND USE OF GREEN INFRASTRUCTURE APPROACHES AND PRACTICES THAT MIMIC NATURAL PROCESSES AND DIRECT STORM WATER WHERE IT CAN BE INFILTRATED, EVAPOTRANSPIRATED OR RE-USED WITH SIGNIFICANT UTILIZATION OF SOILS AND VEGETATION RATHER THAN TRADITIONAL HARDSCAPE COLLECTION, CONVEYANCE AND STORAGE STRUCTURES ARE ENCOURAGED TO THE MAXIMUM EXTENT PRACTICABLE.

20. WASTE DISPOSAL. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

21. OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. THE PLAN SHALL INCLUDE THE BEST MANAGEMENT PRACTICE TO BE IMPLEMENTED AT THE SITE OF COMMON DEVELOPMENT.

22. ALL PERMITTEES SHALL ENSURE AND DEMONSTRATE THAT THEIR PLAN IS IN COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

DESCRIPTION OF EXISTING LAND USE
EXISTING UNDEVELOPED, PAD GRADED SITE WITH NO BUILDINGS, PARKING AREAS OR DETENTION FACILITIES

SITE PURPOSE AND CONSTRUCTION ACTIVITY
THIS SITE IS PROPOSED TO BE A COMMERCIAL FAST-FOOD RESTAURANT AND ITS ASSOCIATED PARKING LOT. AN UNDERGROUND DETENTION POND WILL BE CONSTRUCTED TO PROVIDE STORMWATER MANAGEMENT FOR THE DEVELOPMENT AND THE SITE DISCHARGE WILL ULTIMATELY BE CONVEYED TO AN UNNAMED TRIBUTARY OF PATES CREEK. THE SITE WILL ALSO INCLUDE UTILITY EXTENSIONS FOR WATER AND SANITARY SEWER.

SITE DESCRIPTION AND LOCATION
TOTAL SITE AREA - 1.395 AC
TOTAL AREA OF DISTURBANCE: 0.9? AC PHASE 1 DISTURBED AREA: 0.5 ACRES
SOIL TYPES: CEB & GWC3
THIS SITE IS LOCATED IN HENRY COUNTY, GA.
THE SITE IS LOCATED ON THE SOUTHEAST QUADRANT OF THE INTERSECTION OF HUDSON BRIDGE ROAD AND WILLIS DRIVE
ADDRESS: HUDSON BRIDGE ROAD & WILLIS DRIVE

100-YEAR PEAK DISCHARGE FLOW
BEFORE CONSTRUCTION - 6.?? CFS
AFTER CONSTRUCTION - 6.77 CFS

GPS LOCATION OF Co
LAT: 33.501740° LONG: -84.241461°

WETLANDS:
THE SITE'S ULTIMATE RECEIVING WATER IS LOCATED NEAR THE SOUTHEAST CORNER OF THE SITE. THERE ARE NO WETLANDS LOCATED ON THIS SITE PER THE NATIONAL WETLANDS INVENTORY.

RECEIVING WATERS:
THE PROJECT SITE IS NOT LOCATED WITHIN 1 MILE UPSTREAM OF A BIOTA IMPAIRED STREAM SEGMENT, NOR DOES IT DISCHARGE INTO AN IMPAIRED STREAM SEGMENT AS RUNOFF FROM THE SITE IS DISCHARGE TO ITS ULTIMATE RECEIVING WATERS, AN UNNAMED TRIBUTARY OF PATES CREEK. THE UNNAMED TRIBUTARY OF PATES CREEK IS NOT CURRENTLY LISTED ON THE MOST RECENT EDITION OF THE 303d LIST AS AN IMPAIRED WATER BODY.

DRAINAGE DESCRIPTION:
THE SITE IS SLOPING TERRAIN WITH SLOPES RANGING FROM 1-45% SLOPES. THE EXISTING DRAINAGE FLOWS TO AN UNNAMED TRIBUTARY OF PATES CREEK.

SLOPES AFTER GRADING:
AFTER CONSTRUCTION THE AVERAGE SLOPE OF THE SITE IS APPROXIMATELY 3%. EMBANKMENTS ARE 2:1 OR LESS.

SENSITIVE AREAS:
THE SITE'S RECEIVING WATER (UNNAMED TRIBUTARY OF PATES CREEK) IS LOCATED IN THE SOUTHEAST CORNER OF THE SITE AND SHOULD BE PROTECTED AT ALL TIMES BY A DOUBLE ROW OF SILT FENCE AND SLOPE STABILIATION.

BUFFER ENCROACHMENTS:
CONSTRUCTION ACTIVITIES FOR THE GRADING OF SLOPES AND FOR THE PROPOSED RETAINING WALL WILL BE CONDUCTED IN THE 75' IMPERVIOUS BUFFER SETBACK.

PRODUCT SPECIFIC PRACTICES

PETROLEUM PRODUCTS:
ALL ON SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY PETROLEUM TO BE STORED IN TANKS WILL HAVE BE SURROUNDED BY AN EARTHEN BERM AS A SECONDARY PROTECTIVE MEASURE ALL CONTAINERS/TANKS WILL BE REGULARLY INSPECTED FOR CRACKS OR LEAKAGE. IF POSSIBLE, PETROLEUM PRODUCTS WILL BE STORED IN A COVERED AREA. ANY ASPHALT SUBSTANCES USED ON SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURE'S RECOMMENDATIONS.

PAINTS:
ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM OR SURFACE WATERS BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURE'S INSTRUCTIONS AND FEDERAL, STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS:
CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASHOUT OR DISCHARGE SURPLUS CONCRETE DRUM WASH ON SITE. WASHOUT OF THE DRUM AT THE SITE IS PROHIBITED.

FERTILIZERS:
FERTILIZER USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED (WHENEVER POSSIBLE). THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO SEALABLE PLASTIC BINS TO AVOID SPILLS (WHENEVER POSSIBLE)

SANITARY/SEPTIC WASTES:
DURING CONSTRUCTION, 1 PORTABLE TOILET PER EVERY 10 WORKERS SHALL BE PROVIDED ONSITE. ALL SANITARY WASTE FACILITIES WILL BE SERVICED BY A QUALIFIED DOMESTIC WASTE HAULER. FACILITIES WILL BE PLACED OUT OF HIGH FLOW AREAS, AND WILL BE KEPT AWAY FROM, AND NOT RINSED INTO, STORM DRAIN INLETS AND RECEIVING BODIES OF WATER. AT COMPLETION, THE SITE WILL BE SERVED BY HENRY COUNTY SANITARY SEWER.

MULCH:
MULCH STORAGE MUST COMPLY WITH THE FOLLOWING SECTION OF THE STANDARD FIRE PREVENTION CODE: SECTION 502.3.1 - NO PERSON SHALL STORE IN ANY BUILDING OR UPON ANY PREMISES IN EXCESS OF 2,500 CU.FT. GROSS VOLUME OF COMBUSTIBLE EMPTY PACKING CASES, BOXES, BARRELS OR SIMILAR CONTAINERS, OR RUBBER TIRES, OR RUBBER OR OTHER SIMILARLY COMBUSTIBLE MATERIALS WITHOUT A PERMIT.

SANDBLASTING GRITS:
NO SANDBLASTING GRIT WILL BE DISPOSED OF ON SITE. ITS DISPOSAL WILL BE COORDINATED WITH A LICENSED WASTE MANAGEMENT OR TRANSPORT AND DISPOSAL FIRM.

CONSTRUCTION WASTES:
ALL CONSTRUCTION WASTE, FOR EXAMPLE: RUBBLE, PACKAGING MATERIALS, SCRAP BUILDING SUPPLIES, AND TREES AND SHRUBS REMOVED DURING GRUBBING, WILL BE COLLECTED AT A DESIGNATED ON-SITE LOCATION. IF POSSIBLE THE WASTE ACCUMULATION AREA WILL BE LOCATED IN A COVERED AREA. ALL CONSTRUCTION WASTES WILL BE REMOVED REGULARLY ON A CONSISTENT SCHEDULE AND DISPOSED OF AT AUTHORIZED DISPOSAL SITES.

DETERGENTS:
THE USE OF DETERGENTS WILL BE LIMITED ON SITE, AND NO WASH WATER CONTAINING DETERGENTS WILL BE DISCHARGED TO STORM DRAIN INLETS OR RECEIVING BODIES OF WATER.

SPILL PREVENTION PRACTICES

(1.) MANUFACTURES RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND THE CLEANUP SUPPLIES.
(2.) MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN A MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
(3.) ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
(4.) THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
(5.) SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF SIZE.
(6.) THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDED MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
(7.) THE OPERATOR WILL DESIGNATE A SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE AT LEAST THREE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.

POLLUTION PREVENTION MEASURES

POLLUTANTS IN STORMWATER POST CONSTRUCTION:
THE DETENTION POND WITH AN OUTLET CONTROL STRUCTURE HAS BEEN DESIGNED TO REDUCE THE PEAK FLOW FROM THE SITE'S DISTURBED AREA IN THE POST-DEVELOPED CONDITION TO LESS THAN OR EQUAL TO THAT OF THE PRE-DEVELOPED CONDITION. IN ADDITION FLOW ATTENUATION, THE MICROPOOL AREA PROVIDED IN THE POND HAS BEEN DESIGNED TO REDUCE POLLUTANTS IN THE DISCHARGES PER THE REQUIREMENTS OF THE GEORGIA STORMWATER MANUAL. REFER TO THE HYDROLOGY STUDY FOR MORE INFORMATION.

POTENTIAL SOURCES OF STORMWATER POLLUTION:
THE PARKING LOT ARE SHOULD BE KEPT CLEAN OF DEBRIS AND TRASH AT ALL TIMES BY THE END USER. AND OILS AND/OR GREASE SPILLS SHOULD BE CLEANED UP IMMEDIATELY AND PROPERLY DISPOSED.

GOOD HOUSEKEEPING PRACTICES:
AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT TO DO THE JOB. ALL MATERIALS ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER ONE ROOF OR ENCLOSURE. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINER WITH ORIGINAL MANUFACTURE'S LABEL. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURE. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.

HAZARDOUS PRODUCTS:
THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.
PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE
ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT INFORMATION
IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED

SCHEDULE OF MAJOR ACTIVITIES

ESTIMATED COMPLETION: MARCH 2019

BEGIN CONSTRUCTION SEPTEMBER 2018	SEP	OCT	NOV	DEC	JAN	FEB	MAR
DESCRIPTION (MONTHS AFTER BEGINNING CONSTRUCTION)	1	2	3	4	5	6	7
INSTALL & MAINTAIN SEDIMENT CONTROL STRUCTURES	X	X	X	X	X	X	X
INITIAL PHASE EROSION CONTROL BMP INSTALLATION	X	X					
INTERMEDIATE PHASE EROSION CONTROL BMP INSTALLATION		X	X	X	X	X	
FINAL PHASE EROSION CONTROL BMP INSTALLATION							X
INSTALLATION AND MAINTENANCE OF TEMPORARY SEDIMENT BASIN/RETROFIT	X	X	X	X	X		
DEMOLITION, CLEARING, AND GRUBBING	X						
GRADING	X	X	X	X			
TEMPORARY MULCHING/SEEDING AS REQ'D TO STABLIIZE @ 14 DAY INTERVALS	X	X	X	X	X	X	
UTILITIES (STORM AND SANITARY)	X	X	X		X		
BUILDING CONSTRUCTION		X	X	X	X	X	X
PAVING			X	X		X	X
FINAL STABILIZATION/PERMANENT AS REQ'D AT 30 DAY INTERVALS							X
REMOVE SEDIMENT CONTROL STRUCTURES						X	X
FINAL CLEAN-UP							X

CONSTRUCTION STAGING AREAS, SITE ACCESS AND LIMITS OF CONSTRUCTION SHALL BE COORDINATED WITH ANY SECONDARY OR TERTIARY PERMITTEES. INSTALLATION OF WATER QUALITY DEVICES SHALL BE CONCURRENT WITH FINAL STABILIZATION

SEEDING REQUIREMENTS

MULCH AS REQUESTED PER GEORGIA MANUAL FOR EROSION AND SEDIMENT CONTROL (TEMPORARY Ds1)

	AREA	SOWING SEASON	SPECIES	SEED LBS/ACRE
TEMPORARY Ds2	FLAT TO ROLLING TERRAIN WITH SLOPES LESS THAN 3:1	AUG-FEB MARCH-APRIL APRIL-JUNE APRIL-JULY	ANNUAL RYEGRASS ANNUAL LESPEDEZA SUDANGRASS BR.TOP MILLET	40 LBS. 40 LBS. 60 LBS. 40 LBS.

SEEDING WITH MULCH

AGRICULTURAL LIMESTONE		4,000 LBS/ACRE
FERTILIZER, 5-10-15		1,500 LBS/ACRE
MULCH, STRAW OR HAY	6-10" DEPTH	5,000 LBS/ACRE
WOOD WASTE, CHIPS, BARK	2-3" DEPTH	14,000 LBS/ACRE

	AREA	SOWING SEASON	SPECIES	SEED LBS/ACRE
	EMBANKMENTS WITH SLOPES GREATER THAN 3:1	MAR-JUNE 8/15-11/1	WEEPING LOVEGRASS TALL FESCUE	4 LBS. 50 LBS.
PERMANENT Ds3	FLAT TO ROLLING TERRAIN WITH SLOPES 3:1 OR LESS	NOV-MAR. APRIL-JUNE SEPT-MAY MARCH-MAY	UNHULLED BERMUDA HULLED BERMUDA SERICEA LESPEDEZA 2 SERICEA LESPEDEZA 1 TALL FESCUE	10 LBS. 10 LBS. 75 LBS. 60 LBS.
	EMBANKMENTS WITH SLOPES GREATER THAN 3:1	MAR-JUNE SEPT-MAY 8/15-11/1	WEEPING LOVEGRASS SERICEA LESPEDEZA 2 TALL FESCUE	6 LBS. 75 LBS. 75 LBS.

FERTILIZER LBS/ACRE: 400 LBS. (10-10-10), 1000 LBS. (6-12-12)
LIME LBS/ACRE: 2000 LBS. (10-10-10)

DISTURBED AREAS IDLE FOR GREATER THAN 7 DAYS WILL BE MULCHED OIR SEEDED WITH TEMPORARY VEGETATION. AREAS SHOULD NOT BE EXPOSED GREATER THAN 14 DAYS AFTER LAST CONSTRUCTION ACTIVITY WITHOUT PERMANENT SEEDING. THE SURFACE WILL BE ROUGHENED PRIOR TO PLANTING TO PROMOTE GOOD SEED INFILTRATION. HAND-PLANTED SEED WILL BE STABILIZED WITH APPROPRIATE MULCH (E.G., HAY, STRAW) WITHIN 24-HOURS OF PLANTING. SLOPES GREATER THAN 3 TO 1 WILL BE UNDERLAIN WITH A DOT APPROVED MATTING AND HYDROSEEDED.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION 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.

PREPARED IN THE OFFICE OF:
LECRAW ENGINEERING
© 2018 LECRAW ENGINEERING, INC.
3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE - 678.546.8100
FAX - 770.441.0298
WWW.LECRAWENGINEERING.COM
PEF005768

REV. #	COUNTY COMMENTS	DATE	DRAWN BY:	CHECKED BY:
A	COUNTY COMMENTS	09/26/18	FDE	TKS

PROJECT
BOJANGLES' - STOCKBRIDGE
HUDSON BRIDGE ROAD & WILLIS DRIVE
LAND LOT 21, DISTRICT 6, PARCEL 032-01012001
HENRY COUNTY, GA

3

SEAL:
GEORGIA REGISTERED No. PE036681 PROFESSIONAL ENGINEER TIMOTHY KYLE SHARPE

DESIGN TEAM:
DRAWN BY: FDE
DESIGNED BY: FDE
REVIEWED BY: TKS

GEORGIA811 www.Georgia811.com
Know what's below. Call before you dig.

GSWCC Georgia Soil and Water Conservation Commission
Timothy Kyle Sharpe
Level II Certified Design Professional
Certification Number 0000065749
Issued: 01/17/2015 Expires: 02/17/2021

JOB #: 237002
DATE: JULY 30, 2018

ES&PC PLAN
C-2.3

Drawing name: L:\237002 - Multisite Properties, LLC - Bojangles' - Stockbridge_GA\CADD\CONSTR\237002 - 04 - E&SC NOTES.dwg ES&PC PLAN Sep 28, 2018 9:16am by: frank.eubanks

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by LeCraw Engineering, Inc. shall be without liability to LeCraw Engineering, Inc. Copyright LeCraw Engineering, Inc., 2018

Order Plans @ WWW.LDPline.com