

HABERSHAM COUNTY Development Authority

130 Jacobs Way, Suite 302 , Clarkesville, GA 30523 706-839-0200

www.habershamga.com

REQUEST FOR PROPOSALS

Habersham County Development Authority is soliciting proposals for HBP Pad 10 Grading & Drainage

PROPOSALS DUE:

June 14, 2023 10:00 AM EST

SUBMIT PROPOSALS TO:

Habersham County Purchasing, Finance Department "HBP Pad 10 Grading & Drainage" 130 Jacobs Way, Suite 302 Clarkesville, GA 30523 <u>purchasing@habershamga.com</u> 706-839-0200



Office of County Commissioners Project No. HIP 10 Grading & Drainage Proposal Due Wednesday June 14, 2023 2:00 PM EST

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PROJECT DESCRIPTION AND GENERAL NOTES PROJECT NO.: <u>HBP Pad 10 Grading & Drainage</u>

PROJECT CONSISTS OF: Drainage and grading improvements on Habersham Business Park (HBP) Pad 10. The drainage improvements consist of providing all equipment and labor for the complete installation and compaction of approximately 351 LF of 24" HDPE Pipe, 307 LF of 30" HDPE Pipe, and 42 LF of 36" CMP. In addition, there are 10 complete precast drainage structures and 2 flared CMP sections. All improvement materials (pipe, concrete structures, and #57 aggregate for bedding and/or structural backfill) are to be provided by the winning bidder. Safety items, personnel, materials, equipment, and/or tools that may be required for OSHA compliance for trenching and shoring shall be the responsibility of the bidding contractor.

HBP Pad 10 also includes rough grading of the site. Plans and profiles made a part of this bid proposal represent what the expected finish grades will be.

PROPOSAL GUARANTY: NOT LESS THAN FIVE (5) PERCENT OF THE TOTAL BID.

PERFORMANCE AND PAYMENT BONDS WILL BE REQUIRED

NO PROPOSAL SHALL BE WITHDRAWN FOR A PERIOD OF SIXTY (60) DAYS FROM DATE OF BID OPENING.

BIDDER SHALL ENTER ALL UNIT PRICES, MAKE ALL EXTENSIONS AND TOTAL BID.

PROJECT COMPLETION DATE: August 1, 2023

NOTE:

All work on this project shall be in accordance with Plans, if any, and Project Special provisions

Addendums	Signature
Addendum 1	
Addendum 2	
Addendum 3	
Addendum 4	
Addendum 5	

RFP Timetable

Description	Date
RFP released	May 17, 2023
Deadline for proposal questions	June 2, 2023 at 2:00 PM EST
Submittal deadline	Wednesday June 14, 2023 at 2:00 PM EST
Tentative award date	TBD
Project Completion Date	August 1, 2023

Submittal Requirements

Each bidder must submit their proposal, enclosed in a sealed envelope or box, and marked with the bidders' name, address and labeled: "HBP Pad 10 Grading & Drainage" and addressed to:

Habersham County Purchasing, Finance Department 130 Jacobs Way, Suite 302 Clarkesville, GA 30523

Proposals shall be received no later than **2:00 PM, Wednesday, June 14, 2023** at Habersham County's Administration Building at 130 Jacobs Way, Suite 302, Clarkesville, GA 30523, at which time and place all proposals will be publicly opened and acknowledged.

Hand delivered copies may be delivered to the above address ONLY between the hours of 8:00AM and 5:00PM EST, Monday through Friday, excluding holidays observed by the Habersham County Government. For a complete listing of holidays please visit <u>www.habershamga.com</u>.

SPECIAL PROVISIONS

PROPOSAL GAURANTY: No proposal will be considered unless accompanied by a Proposal Guaranty consisting of a Bid bond, certified check, or negotiable instrument in the amount of <u>Five (5) Percent</u> of the total bid received as assurance that the bidder, upon acceptance of his/her bid, can execute such contractual documents as may be required within a specified period of time.

DELIVERY OF PROPOSAL: Each proposal together with the Proposal Guaranty shall be in a sealed envelope so marked as to identify the contents without being opened. Proposals will be received until the time and date set in the Notice to Contractors for opening and must be in the hands of the officials indicated by that time. Proposals received after the time established for opening of bids will be returned unopened to the Bidder.

AWARDS OF CONTRACT: If a contract is awarded, it will be awarded to the lowest responsible bidder whose Proposal shall have met all prescribed requirements. The Contract will be awarded, if at all, within 60 calendar days after opening of Proposals.

CANCELLATION OF AWARD: The Development Authority reserves the right to cancel the Award of any Contract at any time before the execution of said Contract by all parties without any liability against the Development Authority.

RETURN OF PROPOSAL GUARANTY: All Proposal Guaranties except that of the lowest responsible Bidder will be returned immediately following the Award of the Contract. The Guaranty of the successful Bidder to whom the Award is made will be retained until the project is accepted by the Habersham Development Authority.

REQUIREMENTS OF PERFORMANCE AND PAYMENT BONDS: 100% each for the total base bid.

PAYMENT: the Habersham County Development Authority will finance the project as follows: Payment will be made to the contractor each calendar month based on the estimated amount of work complete in place.

NOTICE TO PROCEED: The work shall begin within 10 days after notification to begin work by the Development Authority and shall be carried through to completion without unreasonable delays and without suspension of the work unless authorized in writing by the Development Authority. If there are unreasonable delays or unauthorized suspensions of the work, The Development Authority reserves the right to charge the Contractor, not as a penalty, but as liquidated damages as prescribed by the current edition of the Georgia Department of Transportation Standard Specifications. RETAINAGE: Retainage will be withheld from payments.

SECTION-107 LEGAL REGULATIONS AND RESPONSIBILITY TO THE PUBLIC:

Delete Sub-Section 107.15 and Substitute the following:

107.15 RESPONSIBILITY FOR CLAIMS: The contractor shall indemnify and save harmless the Development Authority, its officers and employees, from all suits, actions, or claims of any character brought because of any injuries or damage received or sustained by any person, persons, or property on account of the operations of the said Contractor; or on account of or in consequence of any neglect in safe-guarding THE WORK; or through use of unacceptable materials in constructing THE WORK; or because of any act or omission, neglect or misconduct of said Contractor; or because of any claims or amount recovered from any infringements or patent, trademark, or copyright; or from any claims or amounts arising or recovered under the "Workmen's Compensation Act," or any other law, ordinance, order, or decree; and so much of the money due the said Contractor under and by virtue of his Contract as may be considered necessary by the Development Authority for such purpose may be withheld for use of the Development Authority; or, in case no money is due, his surety may be held until such suit or suits, action or actions, claim or claims for injuries or damages as aforesaid shall have been settled and suitable evidence to that effect furnished to the Development Authority; except that money due the Contractor will not be withheld when the Contractor produces satisfactory evidence that he is adequately protected by public liability and property damage insurance.

SECTION 108.08 OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS:

Failure or Delay in Completing the Work on Time.

Any Liquidated Damages Assessed by the Development Authority for failure or delay in completing the Work on time shall be in accordance with Section 108.08 of the latest edition of the Georgia Department of Transportation Standard Specifications. Completion date is September 1, 2017. Wet conditions, inclement weather, or reasons beyond the contractor's control that prohibits work will not be charged as a working or available day.

SECTION 150 – TRAFFIC CONTROL DURING CONSTRUCTION:

Traffic Control, if required, will be provided by Contractor.

EROSION AND SEDIMENTATION CONTROL

Erosion Control for the grading and drainage improvements on HIP Pads 8 and 9 will be the responsibility of the Contractor. Remaining Erosion Control measures will be the responsibility of others.

SECTION 208 – EMBANKMENTS

The bidding contractor shall familiarize himself with Section 208 and compaction requirements therein. Compaction testing for embankment and backfills will be required and is considered incidental. No separate payment will be made

SECTION 550 – STORM DRAIN PIPE

The bidding contractor shall familiarize himself with Section 550 and the GDOT Thermoplastic Pipe Standard Details.

INSURANCE REQUIREMENTS:

The Limits of Liability for the insurance by the General Conditions shall not be less than the following amounts:

A. WORKERS COMPENSATION:

(1)) State	Statutory						
(2)	(2) Applicable Federal (e.g. Longshoreman's) <u>Statute</u>							
(3)) Employer's Liability	<u>\$1 Million</u>						
B. Op Co	Comprehensive General Liability (including Contractual Liability, Premis perations; Independent Contractor's Protective; Products Liability - perpleted Operations; Broad Form Property Damages):	Ses-						
(1)	General Aggregate (Except Products – Completed Operations)	<u>\$2 Million</u>						
(2)	Products – Completed Operations Aggregate	<u>\$1 Million</u>						
(3)	Personal and Advertising Injury (per Person/Organization)	<u>\$1 Million</u>						
(4)	Each Occurrence (Bodily Injury)	<u>\$25,000</u>						
(5)	Each Occurrence (Property Damage)	<u>\$50,000</u>						
(6) a.	Excess or Umbrella Liability General Aggregate	<u>\$3 Million</u> <u>\$3 Million</u>						
b.	Each Occurrence	<u>\$3 Million</u>						

NOTICE TO ALL BIDDERS: Certificates of Insurance must be available at the time contract is signed by the Habersham County Development Authority.

ALL BIDDERS MUST FURNISH PROOF OF LIABILITY INSURANCE, WORKER'S COMPENSATION LIABILITY INSURANCE, AND ANY OTHER INSURANCE REQUIRED BY APPLICABLE STATE, FEDERAL, AND ADMINISTRATIVE LAW.

Such proof shall be submitted with the bid/proposal and show evidence of insurability satisfactory to Habersham County as to form and content. If the bid is selected by the County, the Bidder must maintain, at a minimum, the insurance policies and minimums indicated in the selected bid. If the Bidder maintains broader coverage and/or higher limits than shown in the bid, Habersham County shall be entitled to coverage for the higher limits maintained by the Bidder.

Any and all Insurance Coverage(s) and Bonds required under the terms and conditions of the contract shall be maintained during the entire length of the contract, including any extensions

or renewals thereto, and until all work has been completed to the satisfaction of Habersham County. Evidence of said insurance coverages shall be provided on or before the inception date of the Contract.

Bidder shall provide written notice to Habersham County immediately if it becomes aware of or receives notice from any insurance company that coverage afforded under such policy or policies shall expire, be cancelled or altered.

Certificates of Insurance are to list Habersham County Government, its' Officers, Officials and Employees as an Additional Insured (except for Workers' Compensation and Professional Liability). This insurance shall apply as Primary Insurance before any other insurance or selfinsurance, including any deductible, non-contributory, and Waiver of Subrogation provided in favor of Habersham County. If Habersham County shall so request, the Bidder will furnish the County for its inspection and approval such policies of insurance with all endorsements, or confirmed specimens thereof certified by the insurance company to be true and correct copies.

The obligations for the Bidder to procure and maintain insurance shall not be constructed to waive or restrict other obligations. It is understood that neither failure to comply nor full compliance with the foregoing insurance requirements shall limit or relieve the Bidder from any liability incurred as a result of their activities/operations in conjunction with the Contract and/or Scope of Work.

QUESTIONS, INTERPRETATIONS AND ADDENDA

No inquiries or interpretation of meaning concerning this Request for Proposal will be made to any interested party orally. Every inquiry or request for interpretation should be made in writing via e-mail. All inquiries and requests for interpretation should be sent via e-mail to Purchasing at <u>purchasing@habershamga.com</u> All questions, answers, and addenda will be posted on the website <u>www.habershamga.com</u>. The final date for questions is April 4, 2018. It will be the responsibility of interested parties to periodically check the website for any new information.

SIGNATURE SHEET

PROJECT NO.: HBP Pad 10 Drainage & Grading HABERSHAM COUNTY DEVELOPMENT AUTHORITY

BID SUBMITTED BID SUDWITTEE BY:______ (Print Name of Firm)

CONTRACT EXECUTED ON BEHALF OF THE CONTRACTOR:

This the	Day of	,2023
BY:		TITLE
P	rinted Name of Official Si	gning Contract
WITNESS FOR CONTRACTOR	THE	
CONTRACT EX AUTHORITY:	KECUTED ON BEHALF	OF HABERSHAM COUNTY DEVELOPMENT
This the	Day of	, 2023
BY:		
	Habersham Cou	inty Development Authority Chairman
WITNESS FOR AUTHORITY	THE	
ATTEST:		COUNTY COMMISSION CLERK

BIDDERS DECLARATION

The bidder understands, agrees and warrants:

That the bidder has carefully read and fully understands the full scope of the requirements.

That the bidder has the capability to successfully undertake and complete the responsibilities and obligations in said specifications.

That the bidder has acceptable liability insurance and a declaration of insurance form will be provided before the commencement of any work.

That this bid may be withdrawn by requesting such withdrawal in writing at any time prior to **Wednesday, June 14, 2023 at 10:00 P.M.** but may not be withdrawn after such date and time.

That Habersham County Development Authority reserves the right to reject any or all bids and to accept that bid which will, in its opinion, best serve the public interest. The Habersham County Development Authority reserves the right to waive any technicalities and formalities in the bidding.

That by submission of this bid the bidder acknowledges that the Habersham County Development Authority has the right to make any inquiry or investigation it deems appropriate to substantiate or supplement information supplied by the bidder.

If a partnership, a general partner must sign.

If a corporation, the authorized corporate officer(s) must sign and the corporate seal must be affixed to this bid.

BIDDER:

Name

Title

Name

Title

AFFIX CORPORATE SEAL (If Applicable)

CERTIFICATE OF NON-DISCRIMINATION

In connection with the performance of work under this contract, the bidder agrees as follows:

The bidder agrees not to discriminate against any employee or applicant for employment because of race, creed, color, sex, national origin, ancestry or disability. The vendor shall take affirmative action to insure that employees are treated without regard to their race, creed, color, sex, national origin, ancestry or disability. Such action shall include, but not be limited to the following: employment, upgrading, demotion, transfer, recruiting or recruitment, advertising, lay-off or termination, rates of pay or other compensation and selection for training, including apprenticeship.

In the event of the bidder's non-compliance with this non-discrimination clause, the contract may be canceled or terminated by the Habersham County Development Authority. The bidders may be declared, by the Habersham County Development Authority, ineligible for further contracts with the Habersham County Development Authority until satisfactory proof of intent to comply shall be made by the vendor. The bidder agrees to include this non-discrimination clause in any sub-contracts connected with the performance of this agreement.

BIDDER

SIGNATURE

TITLE

<u>NON-COLLUSION AFFIDAVIT</u> (MUST BE SUBMITTED WITH ALL BIDS)

The bidder, by its officers and agents or representatives present at the time of filing this bid, being duly sworn, on their oaths say that neither they nor any member of their firm, have in any way, directly or indirectly, entered into any arrangement or agreements with any other bidder, or with any public officer of the Habersham County Development Authority whereby such affiant or affiants or either of them, has paid or is to pay to such bidder or public officer any sum of money, or has given, or is to give to such other bidder or public officer anything of value whatever; or such affiant of affiants or either of them has not, directly or indirectly; entered into any arrangement or agreement with any other bidder(s), which tends to, or does lessen or destroy free competition in the letter of the contract sought for by the attached bids; that no inducement of any form or character other than that which appears upon the face of the bid will be suggested, offered, paid or delivered to any person whomsoever to influence the acceptance of the bid or awarding of the contract, nor has this bidder any understanding or agreement of any kind whatsoever, with any person whomsoever to pay, deliver to, or share with any other person in any way or manner, any of the proceeds of the contract sought by this bid.

Contractor:_		
By:		
	Authorized Contractor	Representative
This the	Day of	, 2023
Notary Publi	c:	
My Commis	sion Expires:	, 20



Office of County Commissioners 130 Jacob's Way, Suite 302, Clarkesville, GA 30523 706-839-0200 Fax: 706-839-0219 www.habershamga.com

STATE OF GEORGIA **E-Verify** PROGRAM VENDOR/CONTRACTOR AFFIDAVIT AND AGREEMENT

COMES NOW before me, the undersigned officer duly authorized to administer oaths, the undersigned contractor, who, after being duly sworn, states as follows:

By executing this affidavit, the undersigned contractor verifies it's compliance with O.C.G.A 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services on behalf of the Habersham County Development Authority has registered with, is authorized to use, and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. 13-10-91. Furthermore, the undersigned contractor will continue to use the federal work authorization program throughout the contract period and the undersigned contractor will contract for the physical performance of services in satisfaction of such contract only with subcontractors who present an affidavit to the contractor with the information required by O.C.G.A. 13-10-91 (b). Contractor hereby attests that its federal work authorization user identification number and date are as follows:

EEV / Basic Pilot Program User ID Number (E-Verify)

FURTHER AFFIANT SAYETH NOT.

BY: Authorized Officer or Agent Signature

Title of Authorized Officer or Agent of Contractor Above

Company / Contractor Name

Date of Contract between Contractor and Habersham County

Sworn to and subscribed before me

This______day of______, 20____

Notary Public

My commission expires:

Contractor Address

Contractor City, State, Zip Code

* Any of the electronic verification of work authorization programs operated by the United States Department of Homeland Security or any equivalent federal work authorization program operated by the United States Department of Homeland Security to verify information of newly hired employees, pursuant to the Immigration Reform and Control Act of 1986 (!RCA), P.L. 99-603. As of the effective date of O.C.G.A. § 13-10-91, the applicable federal work authorization program is the "EEV I Basic Pilot Program" operated by the U.S. Citizenship and Immigration Services Bureau of the U.S. Department of Homeland Security in conjunction with the Social Security Administration (SSA).

Name (as shown on your income tax return)

ge 2.	Business name/disregarded entity name, if different from above						
s on pa	Check appropriate box for federal tax classification:	Exemptions (see instructions):					
on; on			Exempt payee code (if any)				
t or ty structi	Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partner	ship) ►	Exemption from FATCA reporting code (if any)				
Prin S Ins	□ Other (see instructions) ►						
Decific	Address (number, street, and apt. or suite no.)	Requester's name a	and address (optional)				
See S I	City, state, and ZIP code						
	List account number(s) here (optional)						
Par	t I Taxpayer Identification Number (TIN)						
Enter to avo reside entitie <i>TIN</i> or	your TIN in the appropriate box. The TIN provided must match the name given on the "Name bid backup withholding. For individuals, this is your social security number (SSN). However, for ant alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other as, it is your employer identification number (EIN). If you do not have a number, see <i>How to ge</i> an page 3.	'line Social sec ra ta					
Note. numb	If the account is in more than one name, see the chart on page 4 for guidelines on whose er to enter.	Employer	-				
Par	Certification						

Under penalties of perjury, I certify that:

- 1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- 3. I am a U.S. citizen or other U.S. person (defined below), and
- 4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Here	Signature of U.S. person ►
TIELE	U.S. person F

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. The IRS has created a page on IRS.gov for information about Form W-9, at *www.irs.gov/w9*. Information about any future developments affecting Form W-9 (such as legislation enacted after we release it) will be posted on that page.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, payments made to you in settlement of payment card and third party network transactions, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),

2. Certify that you are not subject to backup withholding, or

3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the

withholding tax on foreign partners' share of effectively connected income, and 4. Certify that FATCA code(s) entered on this form (if any) indicating that you are

exempt from the FATCA reporting, is correct.

Note. If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

• An individual who is a U.S. citizen or U.S. resident alien,

• A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,

• An estate (other than a foreign estate), or

Date

• A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

PROJECT SUBMITTAL & REVISION SUMMARY

DATE

SUBMITTAL/ REVISION

PROJECT CONSTRUCTION SCHEDULE

ACTIVITY DESCRIPTION	MON	NTH 1	MONTH 2		MONTH 3			MONTH 4			1	MONTH 5			5	MONTH 6			6		
BMP INSTALLATION																					
BMP MAINTENANCE																					
ROUGH GRADING																					
TEMP VEGETATION																					
PIPE INSTALLATIONS																					
BUILDING CONSTRUCTION																					
FINAL GRADING																					
CURBING & PAVING																					
FINAL VEGETATION																					

TAX PARCEL NUMBER: 090 025

ZONING: I-1

THIS PROPERTY IS NOT LOCATED WITHIN A 100 YEAR FLOOD PLAIN PER FIRM PANEL NO. 13137C0281D, DATED 1/4/2018.

DETENTION/ STORMWATER POND OR SEDIMENT BASIN/ STORAGE SHALL BE INSTALLED AND FUNCTIONING PRIOR TO ANY MAJOR GRADING, OR IMPERVIOUS SURFACE CONSTRUCTION.

THE CITY OF BALDWIN PUBLIC WORKS DIRECTOR SHALL **BE NOTIFIED A MINIMUM 48 HOURS (MONDAY THROUGH** FRIDAY) PRIOR TO COMMENCEMENT OF ANY WORK THAT **REQUIRES INSPECTION TO REQUEST AN INSPECTION. CITY OF BALDWIN SHALL INSPECT SUBGRADE, BASE, AND BE** PRESENT DURING PAVING OF ALL DRIVEWAYS AND **ROADWAYS WITHIN THE EXISTING AND PROPOSED RIGHT-OF WAY".**

SITE CONSTRUCTION PLANS FOR:

HABERSHAM INDUSTRIAL PARK LOT 10

LAND LOT 169 10th DISTRICT CITY OF BALDWIN HABERSHAM COUNTY, GA

OWNER/ DEVELOPER:

HABERSHAM COUNTY DEVELOPMENT AUTHORITY **555 MONROE STREET UNIT 20 CLARKESVILLE, GA 30523** Ph: 706-839-0210

ENGINEER:

FOOTHILLS LAND DESIGN, LLC 164 PROFESSIONAL DRIVE BALDWIN, GA 30511 Ph: 706-778-0067



MAY 9, 2023



24 HOUR CONTACT: MIKE BEECHAM @ 706-968-5882

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THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL TAKE PLACE PRIOR TO LAND DISTURBING ACTIVITIES



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GENERAL NOTES:

1. PRIOR TO STARTING CONSTRUCTION CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. IF THERE IS A SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN, THEN THEY ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND IN CASE OF CONFLICT SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY

3. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THE LOCAL GOVERNING AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM.

4. THE BOUNDARY INFORMATION WAS PROVIDED BY A SURVEY FOR HABERSHAM COUNTY DEVELOPMENT AUTHORITY, PREPARED BY LOVELL,

5. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD SURVEYS, VISUAL FIELD INSPECTIONS, AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO VERIFY UTILITY LOCATIONS AND CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.

6. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER'S CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES.

DRAWINGS WITHOUT THE WRITTEN APPROVAL OF FOOTHILLS LAND DESIGN, LLC. VOIDS THE SEAL SHOWN HEREON AND ANY LIABILITY ASSOCIATED WITH THIS PROJECT. THE ORIGINAL DRAWINGS ARE KEPT ON FILE FOR VERIFICATION OF ANY CHANGES.

8. ALL CONSTRUCTION SHALL CONFORM TO CURRENT APPLICABLE CITY OF BALDWIN STANDARDS AND SPECIFICATIONS.

10. ENGINEERING CONTACT: JAMES IRVIN @ (706) 778-0067

11. ZONING: I-1

13. THE INSTALLATION OF EROSION CONTROL MEASURES SHALL TAKE PLACE PRIOR TO LAND DISTURBING ACTIVITIES.

15. PROPOSED USE OF THE SITE IS PAD GRADING .

16. THE CITY OF BALDWIN PUBLIC WORKS DIRECTOR SHALL BE NOTIFIED AT A MINIMUM 48 HOURS (MONDAY THROUGH FRIDAY) PRIOR TO COMMENCEMENT OF ANY WORK THAT REQUIRES INSPECTION TO REQUEST AN INSPECTION. CITY OF BALDWIN SHALL INSPECT SUBGRADE, BASE, AND BE PRESENT DURING PAVING OF ALL DRIVEWAYS AND ROADWAYS WITHIN THE EXISTING AND PROPOSED RIGHT-OF-WAY.

17. NO ROADWAY SIGNS EXIST WITHIN THE RIGHT OF WAY ALONG THE SITE BEING DEVELOPED.

18. LANDSCAPE REQUIREMENTS WILL BE MET WHEN THE FINAL USER, DEVELOPS THIS LOT.





150

SCALE: 1" = 50'

N/F OK FOODS, INC













SCALE: 1" = 50'

JOB # 23027

GENERAL NOTES

- TOTAL SITE AREA: 14.46 ACRES ESTIMATED DISTURBED AREA: 11.61 ACRES
- AREAS.
- MUD CREEK.
- ENGINEER'S CERTIFICATE

GAR100001 "

- LEVEL CERTIFICATION #:
- 164 PROFESSIONAL DRIVE BALDWIN, GA 30511 PHONE: 706-778-0067 FAX: 706-778-0069

- DESIGN PROFESSIONAL.
- 10. WASTE MATERIALS: CONSTRUCTION WASTE WILL BE BURIED ONSITE.
- 12.

- PLAN.
- OR DELINEATED ON THE PLANS.

24 HOUR EMERGENCY CONTACT RESPONSIBLE FOR EROSION, SEDIMENTATION, AND POLLUTION CONTROLS: MIKE BEECHAM @ 706-968-5882

SECONDARY PERMITTEE: HABERSHAM COUNTY DEVELOPMENT AUTHORITY 555 MONROE ST. UNIT 20 CLARKESVILLE, GA 30523

Ph: 706-839-0210 Email: mbeecham@habershamga.com

THE NATURE OF THIS CONSTRUCTION ACTIVITY WILL BE FOR OFFICE/WAREHOUSE BUILDINGS. THE EXISTING SITE CONSISTS OF A PRE-GRADED PAD WITH GRASSED

STORM WATER FLOWS FROM THIS SITE TO AN UNNAMED TRIBUTARY TO

"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.

"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 DIRECT SUPERVISION."

DESIGN PROFESSIONAL: JAMES D. IRVIN, PE

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.

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. NO STREAM BUFFERS ARE LOCATED WITHIN THE PROJECT LIMITS.

AMENDMENTS/REVISIONS TO THE ES & PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE

- WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

- ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO

- ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

11. 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.

13. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

14. THE STORM WATER FROM THIS PROPERTY DOES NOT DISCHARGE INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF AN BIOTA IMPAIRED STREAM SEGMENT. 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 BIOTA IMPAIRED STREAM SEGMENT MUST COMPLY WITH PART III. C. OF THE PERMIT. THE ES&PC PLAN MUST INCLUDE THE COMPLETED APPENDIX 1* LISTING. THE BMPS THAT WILL BE USED FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO THE IMPAIRED STREAM SEGMENT.

*IF A TMDL IMPLEMENTATION PLAN FOR SEDIMENT HAS BEEN FINALIZED FOR THE IMPAIRED STREAM SEGMENT (IDENTIFIED 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

15. BMPS FOR CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF VEHICLES SHALL BE PROVIDED BY CONCRETE WASHOUT LOCATIONS LOCATED ON THE SITE BY THE GENERAL CONTRACTOR

NO CONCRETE TRUCK DRUMS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.

16. BMP'S FOR REMEDIATION OF PETROLEUM SPILLS AND LEAKS:

LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.

22.

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 GOGGLES, 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 WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.

FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER). THE NATIONAL RESPONSE CENTER WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.

FOR SPILLS OF AN UNKNOWN AMOUNT, THE NRC WILL BE ONTACTED WITHIN 24 HOURS AT 1-800-424-8802.

FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.

FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCEIS WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (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 COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

17. THE PROPOSED STORMWATER POND WILL CONTROL POLLUTANTS IN STORM WATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED.

18. FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH. LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE. PROVIDE COVER (E.G. PLASTIC SHEETING. TEMPORARY ROOFS) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO STORMWATER. OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. MINIMIZATION OF EXPOSURE IS NOT REQUIRED IN CASES WHERE EXPOSURE TO PRECIPITATION AND TO STORMWATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS, OR WHERE EXPOSURE OF A SPECIFIC MATERIAL OR PRODUCT POSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).

19. PRACTICES USED TO REDUCE POLLUTANTS IN STORMWATER DISCHARGES: - PETROLEUM BASED PRODUCTS:

CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS , AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL STATE REGULATIONS. - PAINTS/FINISHES/SOLVENTS:

ALL PRODUCTS WILL BE STOWED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

- FERTILIZER/HERBICIDES: THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS. - BUILDING MATERIALS:

NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

20. INSPECTION REQUIREMENTS

PRIMARY AND TERTIARY PERMITTEES

INSPECTIONS MADE BY QUALIFIED PERSONNEL ONLY

DAILY INSPECTIONS: - AREAS WHERE PETROLEUM PRODUCTS ARE STORED, USED OR HANDLED FOR SPILLS

AND LEAKS FROM VEHICLES AND EQUIPMENT.

-VEHICLES ENTRANCES AND EXITS FOR OFF-SITE TRACKING.

-DAILY RAINFALL. WEEKLY AND WITHIN 24 HOURS OF EACH RAINFALL > 0.5":

-DISTURBED AREAS NOT YET FINALLY STABILIZED.

-AREAS USED FOR STORAGE OF MATERIALS.

-STRUCTURAL CONTROL MEASURES. -DISCHARGE POINTS AS ACCESSIBLE TO DETERMINE IF POLLUTANTS ARE LEAVING SITE.

MONTHI Y -AREAS OF SITE THAT HAVE REACHED FINAL STABILIZATION FOR EVIDENCE OF IMPACTS TO STATE WATERS BY POLLUTANTS AND SEDIMENT.

INSPECTION REPORTS MUST INCLUDE THE NAME OF THE INSPECTOR(S), THE DATE(S) OF EACH INSPECTION, MAJOR OBSERVATION RELATING TO THE IMPLEMENTATION OF THE ES&PC PLAN AND ACTIONS TAKEN IN RESPONSE TO THE INSPECTION(S). THE REPORTS MUST IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT MUST CONTAIN A CERTIFICATION THAT THE SITE IS IN COMPLIANCE WITH THE PLAN. INSPECTION REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G OF THE PFRMIT

21. STORM WATER SAMPLES ARE TO BE ANALYZED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 AND THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT. EPA 833-8-92-001."

STORM WATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT THE OUTFALL LOCATION. A DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE IS CHARGE EXCEEDING 75, THE VALUE THAT WAS SELECTED FROM APPENDIX B IN PERMIT NO. GAR 100001. THE NTU IS BASED UPON THE DISTURBED AREA OF 11.61 ACRES FOR THE PROJECT SITE, THE SURFACE WATER DRAINAGE AREA OF 0.1 SQUARE MILES, AND RECEIVING WATER WHICH SUPPORTS WARM WATER FISHERIES.

APPENDIX B WARM WATEF SURFACE WATER DRAINAGE AREA (SQUARE MILES) <u>0-4.99</u> <u>5-9.99</u> <u>10-24.99</u> <u>25-49.99</u> <u>50-99.99</u> <u>100-249.99</u> <u>250-499.99</u> <u>500+</u> 1.00-10 750 400 750 750 750 200 10.01-25 (50) 300 100 200 500 750 750 25.01-5 100 100 200 300 750 750 50.01-100 100 100 150 300 600 50 100 01-249 99 100 200 100 50 50 50 50 50



- ACTIVITY WILL TAKE PLACE OUTSIDE OF THE CLEARING LIMITS.
- DEVELOPER TO CLEAN OUT ACCUMULATED SILT IN DETENTION POND AT END OF 37 CONSTRUCTION WHEN DISTURBED AREAS HAVE BEEN STABILIZED.

34

38. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT SHALL AT ALL TIMES BE THE RESPONSIBILITY OF THE PROPERTY OWNER.

SCALE: N/A

SHEET:

 \cup IJOB # 23027 CLEARING PHASE EROSION CONTROL NOTES (PHASE 1) THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUC-TION PERIOD.

NO STAGING AREAS OR MATERIAL STORAGE AREAS SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS.

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

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.

PRIOR TO COMMENCING LAND DISTURBING ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY:

- 1. THE CONSTRUCTION EXIT. CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE SHALL BE PLACED AS SHOWN ON THE PLAN. THE STONE SIZE SHOULD CONSIST OF COURSE AGGREGATE BETWEEN 1-1/2" & 3-1/2" IN DIAMETER AND OVERLAID ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF AASHTO M288-96, SECTION 7.3 SEPARATION REQUIREMENTS.
- 2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS. ALL PERIMETER EROSION CONTROL AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.
- 3. TYPE "C" SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-20.2. THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
- 4. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN. SEE SEPARATE DETAILS FOR SPECIFICS ON TYPE OF INLET PROTECTION SPECIFIED.
- 5. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
- 6. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.

AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTION.

AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES, AS CLEARING PERMITS, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT PONDS AND DIVERSION DIKES AS SHOWN ON THE CLEARING PHASE PLAN TO CONTROL EROSION AND STORMWATER RUNOFF.

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL IN AREAS SHOWN ON PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

BURN OR BURY PITS SHALL BE PROHIBITED ON THE CONSTRUCTION SITE. STUMPS AND CONSTRUCTION DEBRIS SHALL BE DEPOSITED IN A PROPERLY PERMITTED LANDFILL

ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLAN AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON THE EROSION CONTROL PLAN PHASE

1. ALL SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, 1983 EDITION.

ALL ITEMS IN THIS SECTION OF THE SPECIFICATIONS SHALL MEET THE REQUIREMENTS AS SET FORTH IN SECTION 161, 162, 163 & 164 OF THE GEORGIA DOT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

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 AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.

FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS

GRADING PHASE EROSION CONTROL NOTES (PHASI

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREF SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATIONS BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED. NOTE SUB PHASES SHOWN ON PLANS.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE PRELIMINARY GRADING PHASE OF CONSTRUCTION:

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTORS RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONA IMMEDIATELY.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEIN MADE

TYPE "S" SILT FENCE SHOULD BE INSTALLED AT THE TOE OF ALL SLOPES 10 FEET OR GREATER IN HEIGHT. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-27.1. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE CONSTRUCTED ALONG T TOP OF ALL SAID FILL SLOPES WITH THE USE OF ALL TEMPORARY DO DRAINS TO CONTROL STORM WATER RUNOFF AS SHOWN ON THE PLANS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AFTER THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.

CUT AND FILL SLOPES ARE NOT TO EXCEED "2H:1V".

ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFERS, SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL MATTING OR BLANKETS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

TYPE "NS" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION

INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND SEPARATE DETAILS FOR ADDITIONAL INFORMATION ON TYPE OF INLET PROTECTION SPECIFIED.

STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

ALL DRAINAGE SWALES SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED. ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS

SOON AS FINAL GRADE IS ACHIEVED.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

AFTER PRELIMINARY GRADING ACTIVITIES, THE CONTRACTOR SHAL CONSTRUCT TEMPORARY SEDIMENT BASINS AND DIVERSION DIKES SHOWN ON PLAN. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT POND UNTIL PERMANENT GROUND COVER IS ESTABLISHED SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE 1/3 DEPTH OF BASIN. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANGES HAVE DEVELOPED.

POND TO BE INSTALLED AND FUNCTIONING BEFORE ANY MAJOR GRA IMPERVIOUS SURFACE INSTALLATION.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED. WASHED OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. I 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 AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.

FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

FINAL PHASE EROSION CONTROL NOTES (PHASE 3) THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEME DURING THE FINAL EROSION CONTROL PHASE OF CONSTRUCTION:

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

AFTER REACHING FINAL GRADE PROJECT AREA SHOULD RECEIVE PERMANENT VEGETATION AS NEEDED.

THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT PONDS AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE LEVEL AS NOTED ON SILT GAUGE.

<u>E 2)</u> =UL	FINAL PHASE EROSION CONTROL NOTES (PHASE 3) CONTINUED	NPDES PERMIT NO. GAR 100001 PART IV D (CONTINUED)
	AFTER CURBING, GRADING AGGREGATE BASE, AND PAVEMENT HAS BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.	topographic map, the location of the receiving water(s) must be hand-drawn on the USGS topographic map from where the stormwater(s) enters the receiving water(s) to the point where the receiving water(s) combines with the first blue line stream shown on the USGS topographic map;
	ALL ROADWAY AND PARKING SHOULDERS SHOULD BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.	(2). A written narrative of site specific analytical methods used to collect, handle and analyze the samples including quality control/quality assurance procedures. This narrative must include precise sampling methodology for each sampling location; (3). When the permittee has determined that some or all outfalls will be
	SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CARACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED	sampled, a rationale must be included on the Plan for the NTU limit(s) selected from Appendix B. This rationale must include the size of the construction site, the calculation of the size of the surface water drainage area, and the type of receiving water(s) (i.e., trout stream or supporting warm water fisheries); and (
	IF NEW CHANNELS HAVE DEVELOPED. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC	4). Any additional information EPD determines necessary to be part of the Plan. EPD will provide written notice to the permittee of the information necessary and the time line for submittal.
F	RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.	b. Sample Type. All sampling shall be collected by "grab samples" and the analysis of these samples must be conducted in accordance with methodology and test procedures established by 40 CPR Part 136 (unless other test procedures have been approved); the guidance document titled "NPDES Storm Water Sampling Guidance Document. EPA 833-B-92-001"
	CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.	 and guidance documents that may be prepared by the EPD. (1). Sample containers should be labeled prior to collecting the samples. (2). Samples should be well mixed before transferring to a secondary container. (3) Large mouth, well cleaned and rinsed glass or plastic jars should be used for
AL.	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	collecting samples. The jars should be cleaned thoroughly to avoid contamination. (4). Manual. automatic or rising stage sampling may be utilized. Samples required by this permit should be analyzed immediately. but in no case later than 48 hours after collection.
١G	OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR CIVIL ENGINEER. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL	However. samples from automatic samplers must be collected no later than the next business day after their accumulation. unless flow through automated analysis is utilized. If automatic sampling is utilized and the automatic sampler is not activated during the qualifying event.
	MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.	the permittee must utilize manual sampling or rising stage sampling during the next qualifying event. Dilution of samples is not required. Samples may be analyzed directly with a properly calibrated turbidimeter. Samples are not required to be cooled. (5). Sampling and analysis of the receiving water(s) or outfalls beyond the minimum
THE DWN	UPON COMPLETION OF THE PROJECT AND RECEIPT OF CERTIFICATE OF OCCUPANCY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED ON PLANS.	frequency stated in this permit must be reported to EPD as specified in Part IV.E. c. Sampling Points. (1). For construction activities the primary permittee must sample all receiving
	NPDES PERMIT NO. GAR 100001 PART IV D 4. Inspections.	water(s). or all outfall(s). or a combination of receiving water(s) and outfall(s). Samples taken for the purpose of compliance with this permit shall be representative of the monitored activity and representative of the water quality of the receiving water(s) and/or the stormwater outfalls using the following minimum guidelines:
	 a. Permittee requirements. (1). Each day when any type of construction activity has taken place at a primary permittee's site, certified personnel provided by the primary permittee shall 	(a). The upstream sample for each receiving water(s) must be taken immediately upstream of the confluence of the first stormwater discharge
	inspect: (a) all areas at the primary permittee's site where petroleum products are stored, used, or handled for spills and leaks from vehicles and equipment and (b) all locations at the primary permittee's site where vehicles enter or exit the site for	from the permitted activity (i.e the discharge farthest upstream at the site) but downstream of any other stormwater discharges not associated with the permitted activity. Where appropriate, several upstream samples
	a Notice of Termination is submitted. (2). Measure and record rainfall within disturbed areas of the site that have not	arithmetic average of the turbidity of these samples used for the upstream turbidity value. (b). The downstream sample for each receiving water(s) must be taken
L	non-working Sunday and non-working Federal holiday. The data collected for the purpose of compliance with this permit shall be representative of the monitored activity. Measurement of rainfall may be suspended if all areas of the site have	downstream of the confluence of the last stormwater discharge from the permitted activity (i.e the discharge farthest downstream at the site) but upstream of any other stormwater discharge not associated with the
	undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region. (3). Certified personnel (provided by the primary permittee) shall inspect the	permitted activity. Where appropriate. several downstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the downstream turbidity value
	following at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches rainfall or greater (unless such storm ends after 5:00 PM on any Friday or on any non-working Saturday, non-working Sunday	(c). Ideally the samples should be taken from the horizontal and vertical center of the receiving water(s) or the stormwater outfall channel(s).
	orany non-working Federal holiday in which case the inspection shall be completed by the end of the next business day and/or working day. whichever	(d). Care should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall stormwater channel.
	occurs first): (a) disturbed areas of the primary permittee's construction site; (b) areas used by the primary permittee for storage of materials that are exposed to	(e). The sampling container should be held so that the opening faces
२	precipitation; and (c) structural control measures. Erosion and sediment control measures identified in the Plan applicable to the primary permittee' s site shall be observed to ensure that they are operating correctly. Where discharge	upstream. (f). The samples should be kept free from floating debris.
6	locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to	(g). Permittees do not have to sample sheet flow that flows onto undisturbed natural areas or areas stabilized by the project. For purposes
	receiving water(s). For areas of a site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region, the permittee must comply with Part IV.D.4.a.(4). These inspections must be conducted until a Notice of Termination is submitted.	of this section. stabilized shall mean. for unpaved areas and areas not covered by permanent structures and areas located outside the waste disposal limits of a landfill cell that has been certified by EPD for waste disposal. 100% of the soil surface is uniformly covered in permanent vegetation with a density of 70% or greater. or landscaped according to
AS	(4). Certified personnel (provided by the primary permittee) shall inspect at least once per month during the term of this permit (i.e., until a Notice of	the Plan (uniformly covered with landscaping materials in planned landscaped areas). or equivalent permanent stabilization measures as
ED.	Termination has been submitted) the areas of the site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region. These areas shall be inspected for evidence of or the potential for pollutants entering the drainage system and the	defined in the Manual (excluding a crop of annual vegetation and a seeding of target crop perennials appropriate for the region). (h). All sampling pursuant to this permit must be done in such a way
D	receiving water(s). Erosion and sediment control measures identified in the Plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain	(including generally accepted sampling methods. locations. timing. and frequency) as to accurately reflect whether stormwater runoff from the construction site is in compliance with the standard set forth in Parts
	impacts to receiving water(s).	d. Sampling Frequency.
ADING OR	prevention and control measures identified in the Erosion, Sedimentation and Pollution Control Plan, the Plan shall be revised as appropriate not later than seven (7) calendar days following each inspection. Implementation of such changes shall be made as soon as practical but in no case later than seven (7)	(1). The primary permittee must sample in accordance with the Plan at least once for each rainfall event described below. For a qualifying event, the permittee shall sample at the beginning of any stormwater discharge to a monitored receiving water and/or from a monitored outfall location within in forty-five (45) minutes or as soon as possible.
	calendar days following each inspection. (6). A report of each inspection that includes the name(s) of certified personnel making each inspection, the date(s) of each inspection, construction phase (i.e., initial, intermediate or final), major observations relating to the	(2). However, where manual and automatic sampling are impossible (as defined in this permit). or are beyond the permittee's control, the permittee shall take samples as soon as possible, but in no case more than twelve (12) hours after the beginning of the stormwater discharge.
	implementation of the Erosion, Sedimentation and Pollution Control Plan, and actions taken in accordance with Part IV.D.4.a.(5). of the permit shall be made and retained at the site or be readily available at a designated alternate	(3). Sampling by the permittee shall occur for the following qualifying events:(a). For each area of the site that discharges to a receiving water or from an
F	location until the entire site or that portion of a construction site that has been phased has undergone final stabilization and a Notice of Termination is submitted to EPD. Such reports shall be readily available by end of the second	outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours as defined in this permit after all clearing and grubbing operations have been completed, but prior to completion
OL	business day and/or working day and shall identify all incidents of best management practices that have not been properly installed and/or maintained as described in the Plan. Where the report does not identify any incidents, the	of mass grading operations, in the drainage area of the location selected as the sampling location; (b). In addition to (a) above, for each area of the site that discharges to a
-	inspection report shall contain a certification that the best management practices are in compliance with the Erosion,Sedimentation and Pollution Control Plan.The report shall be signed inaccordance with Part V.G.2. of this permit.	receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours as defined in this permit either 90 days after the first sampling event or after all mass grading operations have been completed, but prior to submittal of a NOT, in the
	5. Maintenance. The Plan shall include a description of procedures to ensure the timely maintenance of vegetation. erosion and sediment control measures and	drainage area of the location selected as the sampling location, whichever comes first;
– NTED	other protective measures identified in the site plan. 6. Sampling Requirements. This permit requires the monitoring of nephelometric turbidity in receiving water(a) or outfalls in accordance with this permit. This	BMPs in any area of the site that discharges to a receiving water or from an outfall are not properly designed, installed and maintained, corrective action shall be
	paragraph shall not apply to any land disturbance associated with the construction of single-family homes which are not part of a subdivision or planned common development unless five (5) acres or more will be disturbed. The	defined and implemented within two (2) business days, and turbidity samples shall be taken from discharges from that area of the site for each subsequent rain event that reaches or exceeds 0.5 inch during normal business hours* until the selected turbidity standard is attained, or until post-storm event inspections determine that
	a. Sampling Requirements shall include the following: (1). A USGS topographic map, a topographic map or a drawing (referred to as	BMPs are properly designed, installed and maintained; (d). Where sampling pursuant to (a), (b) or (c) above is required but not
IS	a topographic map) that is a scale equal to or more detailed than a 1 :24000 map showing the location of the site or the stand alone construction; (a) the location of all perennial and intermittent streams and other water bodies as	possible (or not required because there was no discharge), the permittee, in accordance with Part IV.D.4.a.(6), must include a written justification in the inspection report of why sampling was not performed. Providing this justification does not relieve the permittee of any subsequent sampling obligations under (a). (b)
	snown on a USGS topographic map, and all other perennial and intermittent streams and other water bodies located during mandatory field verification, into which the stormwater is discharged and (b) the receiving water and/or	or (c) above; and (e). Existing construction activities, i.e., those that are occurrmg on or
	outfall sampling locations. When the permittee has chosen to use a USGS topographic map and the receiving water(s) is not shown on the USGS	betore the ettective date of this permit, that have met the sampling required by (a) above shall sample in accordance with (b). Those existing construction activities

NPDES PERMIT NO. GAR 100001 PART IV D (CONTINUED) that have met the sampling required by (b) above shall not be required to conduct rawn additional sampling other than as required by (c) above. ith the *Note that the permittee may choose to meet the requirements of (a) and (b) above by collecting turbidity samples from any rain event that reaches or , handle exceeds 0.5 inch and allows for sampling at any time of the day or week. cedures. 7. Non-stormwater discharges. Except for flows from fire fighting activities. sources of nonnpling stormwater listed in Part IILA.2. of this permit that are combined with stormwater discharges Ils will be associated with construction activity must be identified in the Plan. The Plan shall identify and selected ensure the implementation of appropriate pollution prevention measures for the non-stormwater on site, component(s) of the discharge. ype of); and (E. Reporting. f the shown in Part ILC. by the fifteenth day of the month following the reporting period. Reporting alysis of these periods are months during which samples are taken in accordance with this permit. Sampling ures established results shall be in a clearly legible format. Upon written notification. EPD may require the guidance applicable permittee to submit the sampling results on a more frequent basis. Sampling and 33-B-92-001" be signed in accordance with Part V.G.2. Sampling reports must be submitted to EPD using the container electronic submittal service provided by EPD. Sampling reports must be submitted to EPD until be used for such time as a NOT is submitted in accordance with Part VI. tion. 2. All sampling reports shall include the following information: oles required by s after collection a. The rainfall amount. date. exact place and time of sampling or measurements; e next business b. The name(s) of the certified personnel who performed the sampling and d. If automatic measurements; ifying event. c. The date(s) analyses were performed; d. The time(s) analyses were initiated; ed directly with a e. The name(s) of the certified personnel who performed the analyses; f. References and written procedures. when available. for the analytical techniques or iimum methods used; g. The results of such analyses. including the bench sheets. instrument readouts. computer 0 disks or tapes. etc .. used to determine these results; h. Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU;" and eceiving i. Certification statement that sampling was conducted as per the Plan.). Samples f the monitored 3. All written correspondence required by this permit shall be submitted by return receipt r the stormwater certified mail (or similar service) to the appropriate District Office of the EPD according to the schedule in Appendix A of this permit. The permittee shall retain a copy of the proof of submittal taken discharge from commencement of construction until such time as a NOT is submitted in accordance with n at the Part VI. ssociated

shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted in accordance with Part VI:

- a. A copy of all Notices of Intent submitted to EPD;
- b. A copy of the Erosion. Sedimentation and Pollution Control Plan required by this
- d. A copy of all sampling information, results, and reports required by this permit; e. A copy of all inspection reports generated in accordance with Part IV.D.4.a. of this
- f. A copy of all violation summaries and violation summary reports generated in
- accordance with Part III.D.2. of this permit; and



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currmg on or ng required by (a) ruction activities

F. Retention of Records

1. The primary permittee shall retain the following records at the construction site or the records

- c. The design professional's report of the results of the inspection conducted m
- accordance with Part IV.A.5. of this permit;

- g. Daily rainfall information collected in accordance with Part IV.D.4.a.(2). of this

2. Copies of all Notices of Intent, Notices of Termination, inspection reports, sampling reports (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) or other reports requested by the EPD, Erosion, Sedimentation and Pollution Control Plans, records of all data used to complete the Notice of Intent to be covered by this permit and all other records required by this permit shall be retained by the permittee who either produced or used it for a period of at least three years from the date that the NOT is submitted in accordance with Part VI. of this permit. These records must be maintained at the permittee's primary place of business or at a designated alternative location once the construction activity has ceased at the permitted site. This period may be extended by request of the EPD at any time upon written notification to the permittee.



RATES FOR TEMPORARY SEEDINGS

RATE PER RATE PER

SPECI ES

PLANTI NG DATES



TEMPORARY VEGETATION	Ds3 - DISTURBED GROUI
MPORARY VEGETATIVE COVER WITH FAST GROWING SEEDLINGS. QUAL TO 12 MONTHS OR UNTIL ESTABLISHMENT OF FINISHED ANENT VEGETATION NI: SHAPING PARATION ND FERTILIZER IG, SELECT SPECIES BY SEASON AND REGION ING MATERAL IF NEEDED EEDED BUT NOT AT RATE TO CAUSE EROSION.	
SETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE MULCH WITHOUT SEEDING SHOULD BE CONSIDERED FOR SHORT ON. ISTURBED AREA STABILIZATION, (WITH MULCHING ONLY).** PLIED, IT MUST BE AT A RATE NOT CAUSING RUNOFF AND DUGHLY WET THE SOIL TO A DEPTH THAT WILL INSURE THE SEED. SUBSEQUENT APPLICATIONS SHOULD BE MADE	 NOTES: 1) ALL AREAS TO BE SEEDED SHALL HAVE LIME APPLIED AT A RATE OF 2 TONS/ACRE. LIME AND FERTILIZER TO BE APPLIED PRIOR TO APPLICATION OF SEED AND MIXED THOROUGHLY WITH THE SOIL. 2) ALL AREAS SEEDED SHALL HAVE AN APPLICATION OF STRAW MULCH (APPROXIMATELY 2.5 TONS PER ACRE) IMMEDIATELY AFTER PLANTING REGARDLESS OF PLANTING METHOD AND SATURATED WITH WATER.
ONE THE TO ONE MOTI DEET.	AGRI CULI URAL LI ME 2 TONS/ AC. AFTER SOIL I S PULVERI ZED
SEL TO INCORPORATE. ROSS OR GRASS-LEGUME MIXTURE SUITABLE TO THE AREA AND THE YEAR (TABLE 6?24.1. P. 134?136, FIGURE 6?24.1, UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, R-SEEDER. OR HYDRAULIC SEEDER (SLURRY INCLUDING SEED ZER). DRILL OR CULTIPACKER?SEEDERS SHOULD NORMALLY	60% CRI MSON CLOVER 10 LBS/ 12-4-8 1500 l b. (TRI FOLI UM I NCARRETUM) 1000 SF 12-4-8 1500 l b. & 40% KENTUCKY 31 8/15- 12-4-8 1500 l b. FESCUE (FESTUCA 8/15- 11/15 12-4-8 1500 l b. ARUNDI NACEA) OR 11/15 12-4-8 1500 l b. 1500 l b. W RYE GRASS 50 LBS/AC. 12-4-8 1500 l b. 1500 l b. STRAW MUCH 2 5 TONS/AC ANY TIME FOR TENDORARY COVER

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CRUSHED STONE CONSTRUCTION EXIT * PAD TO BE MAINTAINED DAILY *

B. SEEDBED PREPARATION

ENTRANCE ELEVATION

10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC

RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES





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PURPOSE

CONDITIONS

A. Temporary Methods

recommendations.

Seeding).







Downstream Node WEIR INLET A5 STORM DRAIN MANHOLE 30" HEADWALL A3 OUTLET CONTROL STRUCTURE A2 30" HEADWALL A1 WEIR INLET B3 STORM DRAIN MANHOLE 30" HEADWALL B1 36" FLARED END SECTION C2 36" FLARED END SECTION C1

Upstream Node WEIR INLET A6 WEIR INLET A5 STORM DRAIN MANHOLE A4 WEIR INLET B4 WEIR INLET B3 STORM DRAIN MANHOLE B2



				PIPE CHART F	OR 25-YR	STORM	EVENT					
	Pipe Material	Diameter (in)	Manning's n	Pipe Length (ft)	Slope (%)	Tc (min)	Rainfall Intensity (in/hr)	Flow to Inlet (cfs)	Total Flow (cfs)	Average Velocity (fps)	Runoff Coef.	Drainage Area (Acres)
	HDPE	24.00	0.010	199.83	0.97	5.00	8.22	9.76	9.76	8.30	0.83	1.43
E A4	HDPE	30.00	0.010	41.92	11.14	5.00	8.22	16.65	25.59	25.75	0.83	2.44
	HDPE	30.00	0.010	118.00	1.01	0.00	0.00	0.00	25.35	5.17	0.00	0.00
	HDPE	30.00	0.010	89.71	1.11	0.00	8.22	6.32	6.32	6.40	0.72	9.69
	HDPE	24.00	0.010	168.33	1.19	5.00	8.22	15.01	15.01	8.75	0.83	2.20
E B2	HDPE	30.00	0.010	37.38	11.94	5.00	8.22	14.67	28.95	6.70	0.83	2.15
	HDPE	30.00	0.010	20.00	1.20	0.00	0.00	0.00	28.73	5.85	0.00	0.00
N C1	CMP	36.00	0.025	42.58	1.76	25.70	3.69	52.02	52.02	8.13	0.64	22.04

	164 PROFESSIONAL DRIVE BALDWIN, GA 30511 PHONE: (706) 778-0067 FAX: (706) 778-0069 www.foothillsld.com design										
		OWNER/DEVELOPER:	HABERSHAM COUNTY	DEVELOPMENT	AUTHORITY		555 MONROE ST. UNIT 20 CLABKEEVILLE GA 30533	CLANNES VILLE, CA 30323 Ph: 706-839-0210			
	ABBERSHAM INDUSTRIAL HABERSHAM INDUSTRIAL PARK LOT 10 LAND LOT 169, 10th DISTRICT CITY OF BALDWIN HABERSHAM COUNTY, GA										
		DATE									
	VISIONS:	DESCRIPTION									
	GSWCC LEVEL II #9832										
)'	DATE: MAY 9, 2023 HORIZONTAL SCALE: 1" = 5 VERTICAL SCALE: 1" = 10										
	SHEET: C11 JOB # 23027										

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<u>NOTES:</u> 1. GRATES WITH BARS SHALL BE PERPENDICULAR TO ROAD.

2. THE THROAT OF THE CURB INLETS SHALL NOT EXCEED 8 INCHES.

3. HDPE PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-294 AND AASHTO MP7, TYPE S & D. CONNECTIONS SHALL USE A RUBBER GASKET, WHICH CONFORMS TO ASTM F-477. INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM RECOMMENDED PRACTICE D-2321, AASHTO SECTION 30, OR WITH SECTION 550 OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS CONSTRUCTION OF TRANSPORTATION SYSTEMS, LATEST EDITION.

HORIZONTALSCALE: 1" = 50'

10' 20'

VERTICAL SCALE: 1" = 10'

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