

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

RFP #2024-02 HBP Pad 10 Grading & Drainage - Revised

PROPOSALS DUE:

September 25, 2023 2:00 PM EST

SUBMIT PROPOSALS TO:

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



Office of County Commissioners HBP 10 Grading & Drainage - Revised RFP #2024-02

Proposal Due Monday, September 25, 2023 2:00 PM EST

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PROJECT DESCRIPTION AND GENERAL NOTES

PROJECT NO.: HBP Pad 10 Grading & Drainage- Revised

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 49 LF of 18" HDPE Pipe, 255 LF of 30" HDPE Pipe, 204 LF of 30" CMP Pipe, and 47 LF of 36" RCP Pipe. In addition, there are 8 complete precast drainage structures/headwalls and 2 safety end 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NO PROPOSAL SHALL BE WITHDRAWN FOR A PERIOD OF SIXTY (60) DAYS FROM DATE OF BID OPENING.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: As Soon As Possible

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	August 23, 2023
Deadline for proposal questions	September 18, 2023 at 12:00 PM
Submittal deadline	Monday September 25, 2023 at 2:00 PM
Tentative award date	TBD – Special Called Development
	Authority Meeting will be held
Project Completion Date	As Soon As Possible

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 - Revised" 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, Monday, September 25, 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 www.habershamga.com.

SELECTION CRITERIA

Habersham County Development Authority (HCDA) will select the vendor based upon the following criteria. HCDA reserve the right to reject any or all bids, in whole or part, to waive technicalities and informalities or to select any bidder to complete the described Work. Award of Contract will not be solely based on low bid, but also on quality, references and other subjective criteria as the County may deem necessary and as the County may determine at its sole discretion. The Undersigned Bidder expressly understands that their proposal may be rejected by the County for any reason without liability on part of the County to the Undersigned Bidder.

Price 60%

• Total Price Comparison

Completion Time 40%

• Project Completion Date/Timeline

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 **Five (5) Percent** 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 will be established once an award has been made (RFP says 90 days from award date). 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	<u>Statutory</u>
(2) Applicable Federal (e.g. Longshoreman's)	<u>Statutory</u>
(3) Employer's Liability	\$1 Million

B. Comprehensive General Liability (including Contractual Liability, Premises-Operations; Independent Contractor's Protective; Products Liability -Completed Operations; Broad Form Property Damages):

(1)	General Aggregate (Except Products – Completed Operations)	\$2 Million
(2)	Products – Completed Operations Aggregate	\$1 Million
(3)	Personal and Advertising Injury (per Person/Organization)	\$1 Million
(4)	Each Occurrence (Bodily Injury)	\$25,000
(5)	Each Occurrence (Property Damage)	<u>\$50,000</u>
(6) a. Ge	Excess or Umbrella Liability eneral Aggregate	\$3 Million \$3 Million
b. Ea	ach Occurrence	\$3 Million

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 self-insurance, 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 purchasing@habershamga.com. All questions, answers, and addenda will be posted on the website www.habershamga.com. The final date for questions is September 18, 2023. It will be the responsibility of interested parties to periodically check the website for any new information.

PROJECT NO. 2024-02: HBP 10 Grading & Drainage -Revised

BID SCHEDULE

Estimated Completion Date: _____

ITEM NO.	ITEM DESCRIPTION	UNIT	APPROX QTY	UNIT PRICE DOLLARS CTS	AMOUNT DOLLARS CTS
550	Storm Drain Pipe, 24 – 42 IN, H 1-20	LF	555		
210	Grading Complete, Pad 10 (Revised Scope)	LS			
163	Erosion Control Complete, Pad 10 (Revised Scope)	LS			

OTAL BAS	SE BID
SUBMITTE	D BY: Name of Corporation, Partnership, Individual
	ADDRESS:
Signat	ure of Duly Authorized Representative

SIGNATURE SHEET

PROJECT NO.: 2024-02 HBP Pad 10 Drainage & Grading - Revised HABERSHAM COUNTY DEVELOPMENT AUTHORITY **BID SUBMITTED** BY:____ (Print Name of Firm) CONTRACT EXECUTED ON BEHALF OF THE CONTRACTOR: BY:_____TITLE____ Printed Name of Official Signing Contract WITNESS FOR THE CONTRACTOR____ CONTRACT EXECUTED ON BEHALF OF HABERSHAM COUNTY DEVELOPMENT **AUTHORITY:** Habersham County Development Authority Chairman WITNESS FOR THE AUTHORITY_____ 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 **Monday, September 25, 2023 at 2:00 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.

BIDDEK:		
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

NON-COLLUSION AFFIDAVIT (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 Re	epresentative
This the	Day of	, 2023
Notary Public	;	
My Commiss	ion Expires:	, 20



Request for Taxpayer Identification Number and Certification

Give Form to the requester. Do not send to the IRS.

		20 001 1100									
	Nam	e (as shown on your income tax return)					-				
ge 2.	Busi	ess name/disregarded entity name, if different from above									
on page		k appropriate box for federal tax classification: ndividual/sole proprietor	Trust/estat	e	E	xemptio	ons (se	e instr	uction	s):	
pe					E	xempt p	oayee o	code (it	any)		
Print or type Specific Instructions on		Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partners	hip) ►		.	xemption		n FATC	A repo	orting	
ë ë	ΙП	Other (see instructions) ▶									
l vecific	Add	ess (number, street, and apt. or suite no.)	Requester'	s nam	e and	addre	ss (opt	ional)			
See Sp	City,	state, and ZIP code									
	List	ccount number(s) here (optional)									
Pai	rt I	Taxpayer Identification Number (TIN)									
		IN in the appropriate box. The TIN provided must match the name given on the "Name"		ocial s	secur	ity nun	nber				
reside entitie	ent ali es, it i	ckup withholding. For individuals, this is your social security number (SSN). However, for n, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other your employer identification number (EIN). If you do not have a number, see <i>How to get</i>				-		-			
	n pag		TE.		!		4:		_		1
	. If the er to	account is in more than one name, see the chart on page 4 for guidelines on whose	<u> </u>	mpioy	eria	entifica	uon n	umbei		_]]
HUITIL	Jei to	illei.			-						
Par	t II	Certification									
Unde	r pena	ties of perjury, I certify that:									
1. Th	ie nun	ber shown on this form is my correct taxpayer identification number (or I am waiting for a	a number	to be	issu	ed to r	ne), a	nd			
Se	ervice	subject to backup withholding because: (a) I am exempt from backup withholding, or (b) IRS) that I am subject to backup withholding as a result of a failure to report all interest or subject to backup withholding, and									
3. I a	ım a L	S. citizen or other U.S. person (defined below), and									
4. The	e FAT	A code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting	j is correc	t.							
becai intere gener instru	use youse you get paid to get	n instructions. You must cross out item 2 above if you have been notified by the IRS that have failed to report all interest and dividends on your tax return. For real estate transal, acquisition or abandonment of secured property, cancellation of debt, contributions to ayments other than interest and dividends, you are not required to sign the certification, on page 3.	ctions, ite an individ	m 2 c dual re	loes etirer	not ap nent a	ply. F	or mo	rtgag : (IRA)	e , and	d
Sigr Here) e	Signature of U.S. person ► Dat	te ►								

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
- 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 conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

SITE CONSTRUCTION PLANS FOR:

HABERSHAM INDUSTRIAL PARK LOT 10

PROJECT SUBMITTAL & REVISION SUMMARY

DATE	SUBMITTAL/ REVISION
6-30-23	REVISED SCOPE & PER CITY OF BALDWIN

PROJECT CONSTRUCTION SCHEDULE

ACTIVITY DESCRIPTION

BMP INSTALLATION

BMP MAINTENANCE

OUGH GRADING

TEMP VEGETATION

PIPE INSTALLATIONS

INAL VEGETATION

TAX PARCEL NUMBER: 090 015 & 090 0085

INAL GRADING

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



foothills design

MAY 9, 2023



DRAWING INDEX

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EROSION CONTROL DETAILS	C9-C10
STORM DRAIN PROFILES	C1 ²
CONSTRUCTION DETAILS	C12-C13

SITE ADDRESS: 1105 AIRPORT ROAD, BALDWIN GA 30511

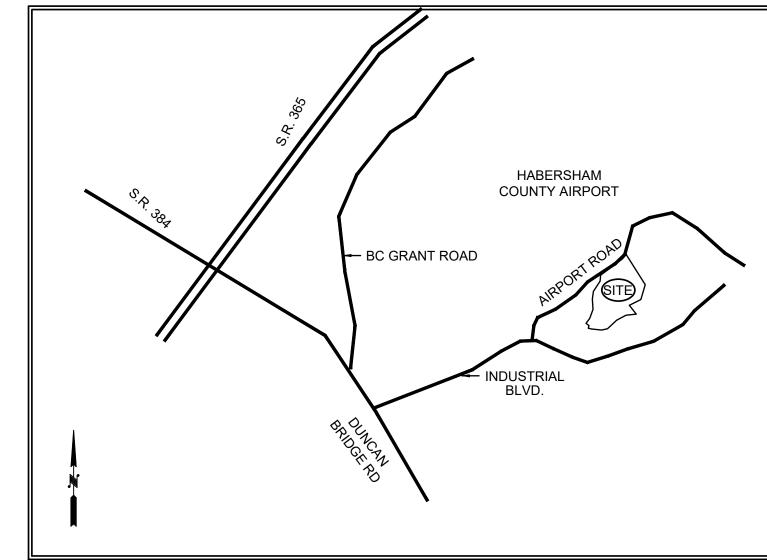
ZONING: I-1

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.

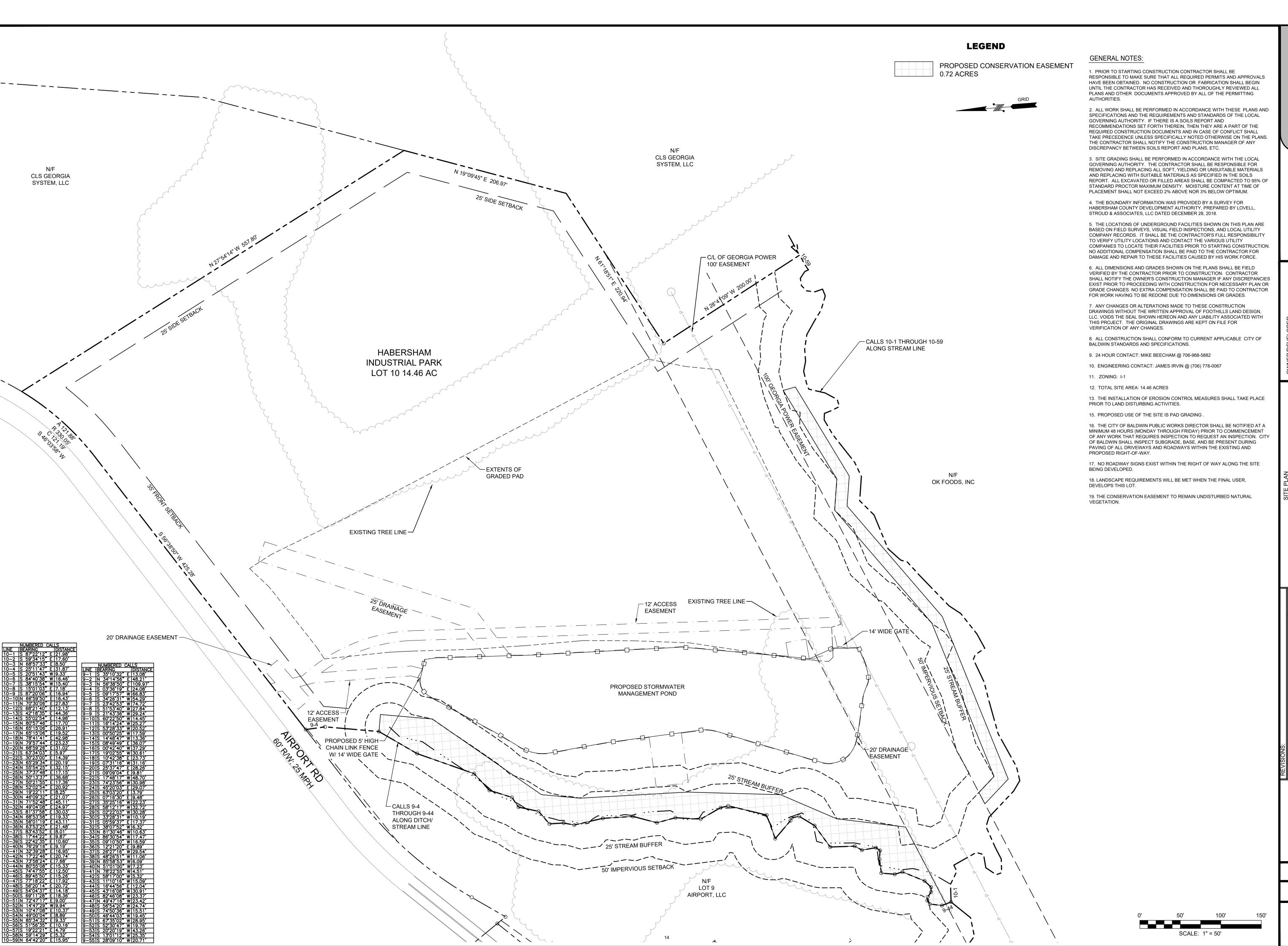
THE CITY OF BALDWIN PUBLIC WORKS DIRECTOR SHALL BE NOTIFIED A MINIMUM 48 HOURS (MONDAY THROUGH FRIDAY) PRIOR TO COMMENCEMENT OF ANY WORK THAT REQUIRES INSPECTION TO REQUEST AN INSPECTION. CITY OF BALDWIN SHALL INSPECT SUBGRADE, BASE, AND BE PRESENT DURING PAVING OF ALL DRIVEWAYS AND **ROADWAYS WITHIN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





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

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



164 PROFESSIONAL DRIVE BALDWIN, GA 30511 PHONE: (706) 778-0067 FAX: (706) 778-0069 www.foothillsld.com

AUTHORITY
555 MONROE ST. UNIT
CLARKESVILLE, GA 305
Ph: 706-839-0210

INDUSTRIAL
OT 10
Oth DISTRICT

AND LOT 169, 10th DIS CITY OF BALDWI

DATE 6-30-23 F. Company of the part of the

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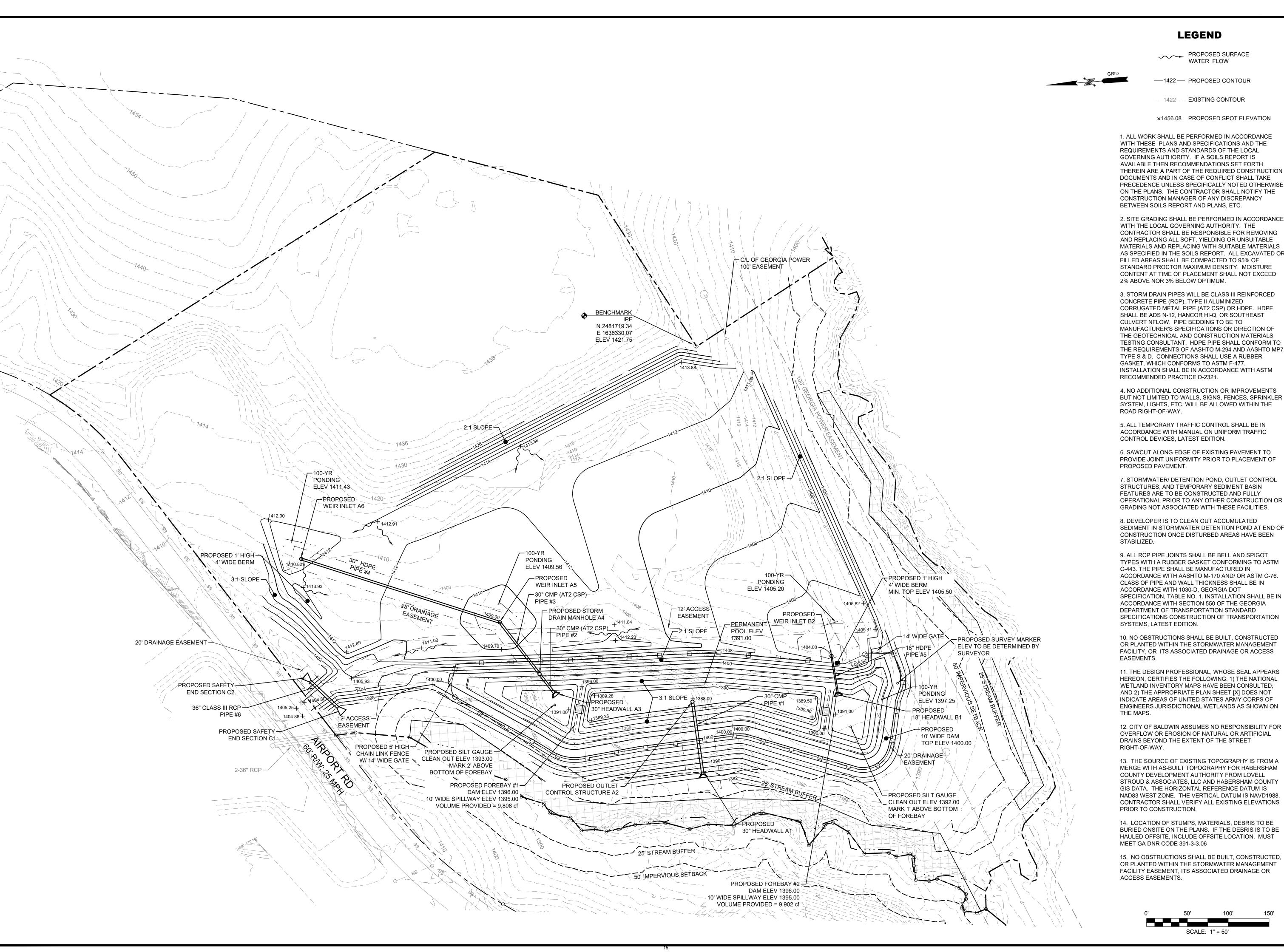
GSWCC LEVEL II #9832

DATE: MAY 9, 2023

SHEET:

SCALE: 1" = 50'

C2
JOB # 23027



1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE THEREIN 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

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 CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED

CORRUGATED METAL PIPE (AT2 CSP) OR HDPE. HDPE MANUFACTURER'S SPECIFICATIONS OR DIRECTION OF THE GEOTECHNICAL AND CONSTRUCTION MATERIALS TESTING CONSULTANT. HDPE PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-294 AND AASHTO MP7 INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM

4. NO ADDITIONAL CONSTRUCTION OR IMPROVEMENTS BUT NOT LIMITED TO WALLS, SIGNS, FENCES, SPRINKLER SYSTEM, LIGHTS, ETC. WILL BE ALLOWED WITHIN THE

7. STORMWATER/ DETENTION POND, OUTLET CONTROL OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR

SEDIMENT IN STORMWATER DETENTION POND AT END OF CONSTRUCTION ONCE DISTURBED AREAS HAVE BEEN

TYPES WITH A RUBBER GASKET CONFORMING TO ASTM ACCORDANCE WITH AASHTO M-170 AND/ OR ASTM C-76. SPECIFICATION, TABLE NO. 1. INSTALLATION SHALL BE IN SPECIFICATIONS CONSTRUCTION OF TRANSPORTATION

10. NO OBSTRUCTIONS SHALL BE BUILT, CONSTRUCTED

11. THE DESIGN PROFESSIONAL, WHOSE SEAL APPEARS HEREON, CERTIFIES THE FOLLOWING: 1) THE NATIONAL WETLAND INVENTORY MAPS HAVE BEEN CONSULTED; AND 2) THE APPROPRIATE PLAN SHEET [X] DOES NOT INDICATE AREAS OF UNITED STATES ARMY CORPS OF ENGINEERS JURISDICTIONAL WETLANDS AS SHOWN ON

12. CITY OF BALDWIN ASSUMES NO RESPONSIBILITY FOR OVERFLOW OR EROSION OF NATURAL OR ARTIFICIAL

13. THE SOURCE OF EXISTING TOPOGRAPHY IS FROM A MERGE WITH AS-BUILT TOPOGRAPHY FOR HABERSHAM STROUD & ASSOCIATES, LLC AND HABERSHAM COUNTY GIS DATA. THE HORIZONTAL REFERENCE DATUM IS NAD83 WEST ZONE. THE VERTICAL DATUM IS NAVD1988 CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATIONS

BURIED ONSITE ON THE PLANS. IF THE DEBRIS IS TO BE



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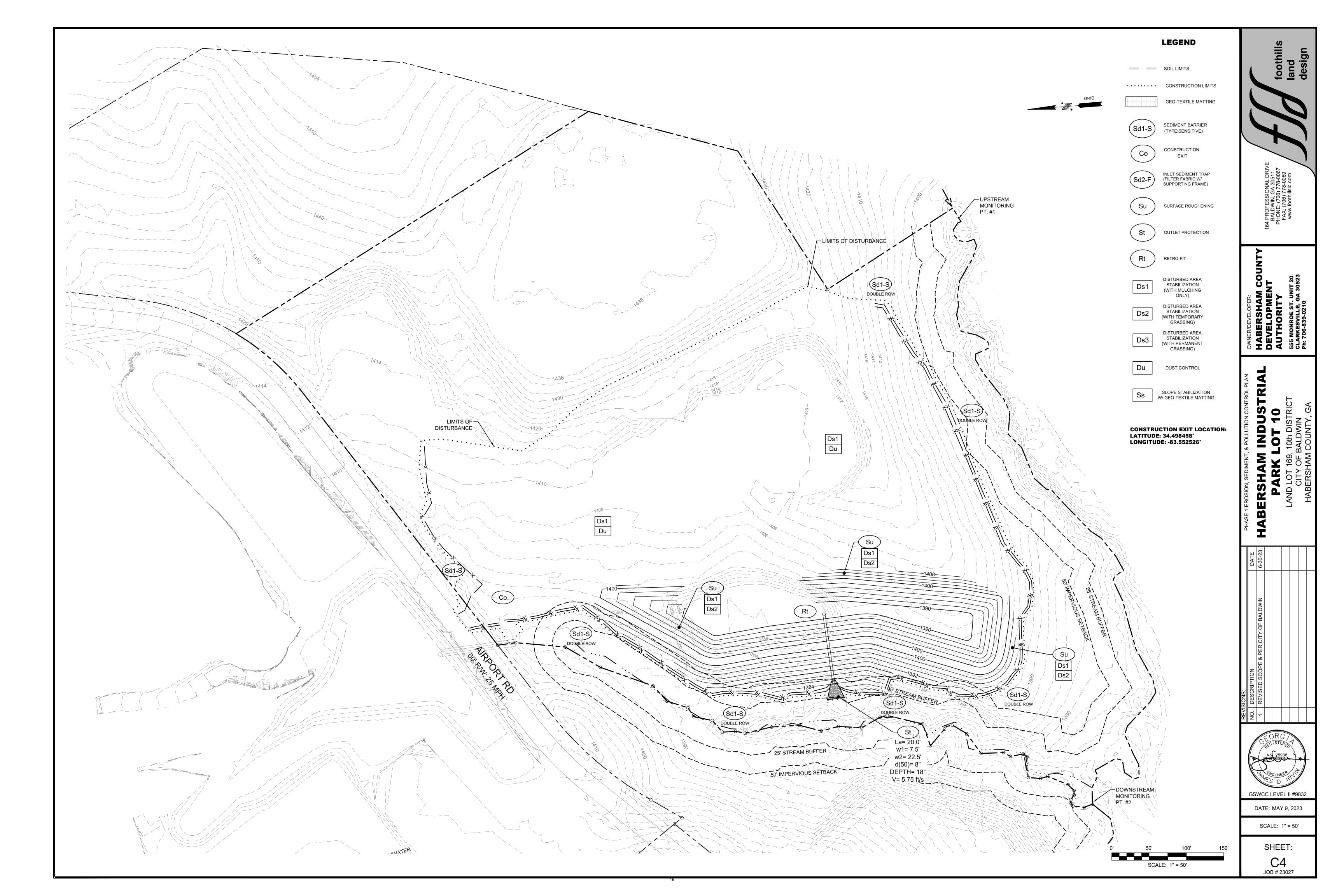
GSWCC LEVEL II #9832

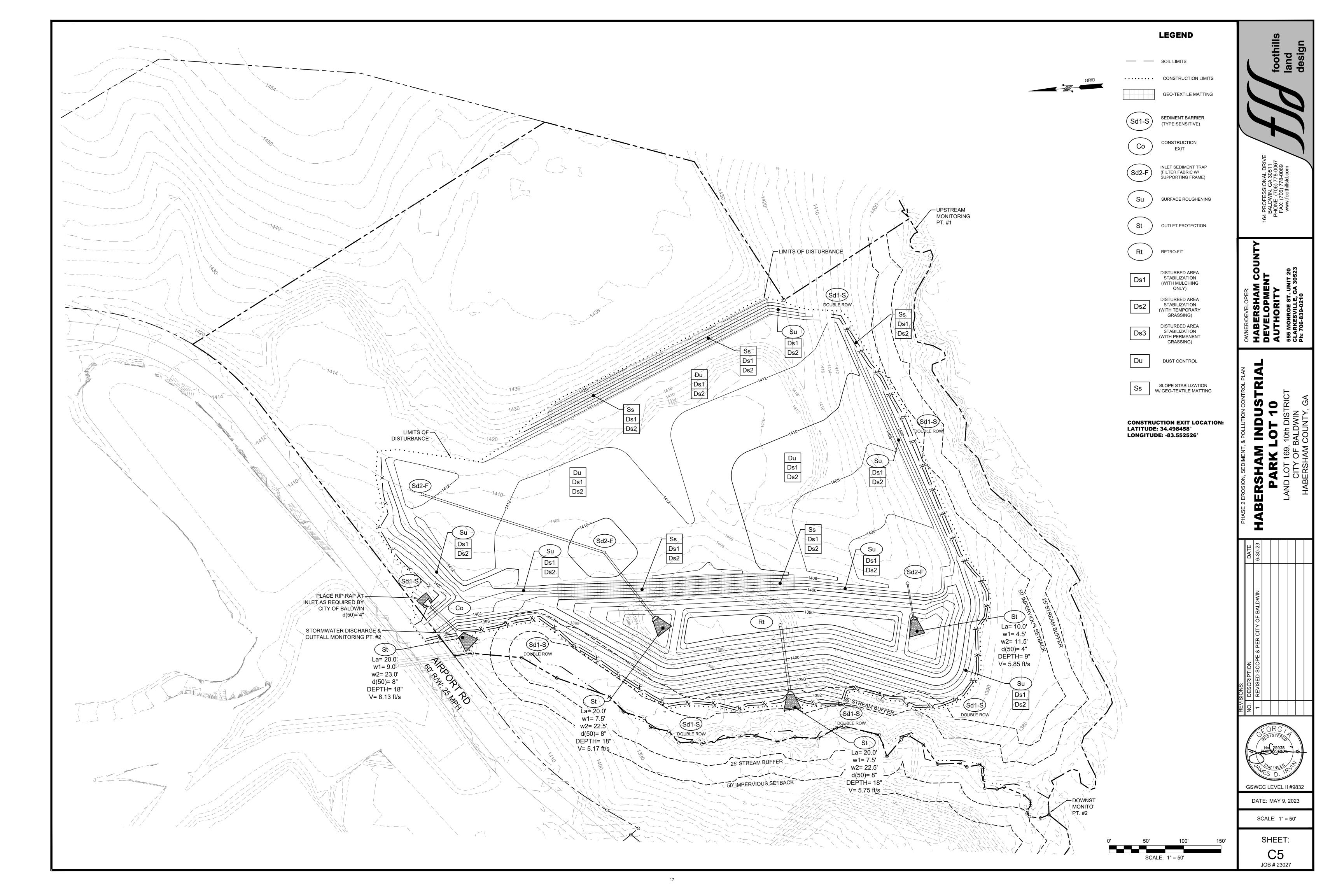
DATE: MAY 9, 2023

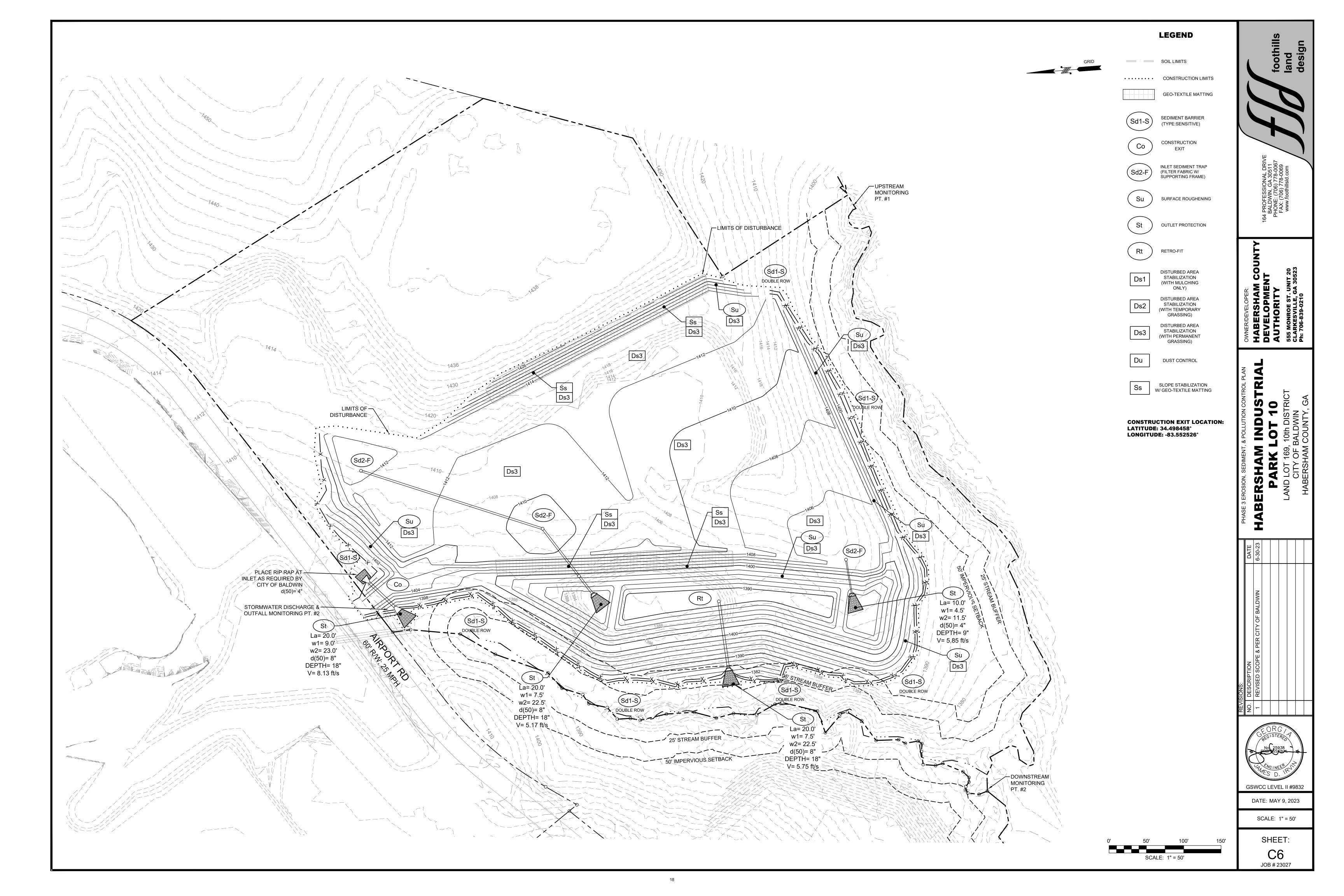
SCALE: 1" = 50'

SHEET: C3

JOB # 23027







GENERAL NOTES

- 1. 24 HOUR EMERGENCY CONTACT RESPONSIBLE FOR EROSION, SEDIMENTATION, AND POLLUTION CONTROLS: MIKE BEECHAM @ 706-968-5882
- 2. SECONDARY PERMITTEE: HABERSHAM COUNTY DEVELOPMENT AUTHORITY 555 MONROE ST. UNIT 20 CLARKESVILLE, GA 30523 Ph: 706-839-0210
- . TOTAL SITE AREA: 14.46 ACRES ESTIMATED DISTURBED AREA: 6.98 ACRES
- THE NATURE OF THIS CONSTRUCTION ACTIVITY WILL BE FOR OFFICE/WAREHOUSE BUILDINGS. THE EXISTING SITE CONSISTS OF A PRE-GRADED PAD WITH GRASSED

Email: mbeecham@habershamga.com

STORM WATER FLOWS FROM THIS SITE TO AN UNNAMED TRIBUTARY TO MUD CREEK.

6. ENGINEER'S CERTIFICATE

"I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORMWATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT No. GAR100001."

"I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT. UNDER MY DIRECT SUPERVISION."



- DESIGN PROFESSIONAL: JAMES D. IRVIN, PE 164 PROFESSIONAL DRIVE
- BALDWIN, GA 30511 PHONE: 706-778-0067

FAX: 706-778-0069

- 7. 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.
- 8. 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.
- 9. AMENDMENTS/REVISIONS TO THE ES & PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

10. WASTE MATERIALS:

- 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

CONSTRUCTION WASTE WILL BE BURIED ONSITE.

- 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.
- 12. 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 PLAN.
- 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 OR DELINEATED ON THE PLANS.

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.

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.

NATIONAL RESPONSE CENTER WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.

FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER). THE

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.

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.

-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 PERMIT

- 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-B-92-001."
- STORM WATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT THE UPSTREAM AND DOWNSTREAM LOCATION OF CREEK ON SUBJECT PROPERTY. 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 A CHANGE OF THE TURBIDITY OF THE DISCHARGE EXCEEDING 25.

- 22. TO THE ENGINEER'S KNOWLEDGE, THERE ARE ON-SITE WETLANDS AND/OR STATE WATERS LOCATED ON AND/OR WITHIN 200 FEET OF THE PROJECT SITE.
- 23. PRE-DEVELOPED CURVE NUMBER OF PROJECT AREA: 55 POST-DEVELOPED CURVE NUMBER OF PROJECT AREA: 61
- 24. SOILS IN DISTURBED AREA:

Avp - ALLUVIAL WET
CYC2 - CECIL SANDY LOAM, 6 TO 10% SLOPES, ERODED
CZC3 - CECIL SANDY CLAY LOAM, 6 TO 10 % SLOPES, ERODED
CZD3 - CECIL SANDY CLAY LOAM, 6 TO 10 % SLOPES, SEVERELY ERODED
CZE3 - CECIL SANDY CLAY LOAM, 10 TO 15% SLOPES, SEVERELY ERODED

INFORMATION WAS OBTAINED FROM THE USDA NRCS WEBSITE @ websoilsurvey.sc.egov.usda.gov

25. SEDIMENT STORAGE:

6.98 ACRES OF DISTURBANCE
SEDIMENT STORAGE REQUIRED: 6.98 AC X 67 CY/AC = 467.66 CY
SEDIMENT STORAGE PROVIDED:
SEDIMENT STORAGE USING SILT FENCE = 0.17 CY/LF
SILT FENCE STORAGE PROVIDED = 0.17 CY/LF X 1567 LF = 266.39 CY
SEDIMENT STORAGE USING RT = 6442.93 CY
TOTAL SEDIMENT STORAGE PROVIDED = 266.39 CY + 6442.93 CY = 6709.32 CY

26. ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL. STATE AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPCP FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPCP AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORM WATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORM WATER DISCHARGES WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORM WATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE.

ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

- 27. THE APPLICABLE PORTION OF THE EROSION CONTROL PLAN IS TO BE PROVIDED TO EACH SECONDARY PERMITTEE PRIOR TO THE SECONDARY CONDUCTING ANY CONSTRUCTION ACTIVITY AND THAT EACH SECONDARY SHALL SIGN THE PLAN OR PORTION OF THE PLAN APPLICABLE TO THEIR SITE.
- 28. PROPERTY IS SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY, AND RESTRICTIONS OF RECORD BOTH WRITTEN AND UNWRITTEN.
- 29. ADJACENT PROPERTIES CONSIST OF RESIDENTIAL & INDUSTRIAL PROPERTIES.
- 30. A STABILIZED CONSTRUCTION EXIT HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENT. THE PAVED STREET ADJACENT TO THE SITE EXIT WILL BE INSPECTED DAILY FOR TRACKING OF MUD, DIRT OR ROCK. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.
- 31. NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 50 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, PURSUANTTO 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 DOWNSTREAM PERMITTEE'S PROPERTY, AND THE PERMITTEE MUST COMPLY WITH THE BUFFER REQUIREMENT FOR ANY ADJACENT TROUT STREAMS. THE BUFFER SHALL NOT APPLY TO THE FOLLOWING LAND-DISTURBING ACTIVITIES, PROVIDED THAT THEY OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM; CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER; AND ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS AND ARE IMPLEMENTED: (1) STREAM CROSSINGS FOR WATER LINES OR (2) STREAM IMPLEMENTED: (1) STREAM CROSSINGS FOR WATER LINES OR (2) STREAM CROSSINGS FOR SEWER LINES.
- 32. MAINTENANCE OF ALL EROSION CONTROL MEASURES, WHETHER TEMPORARY OR PERMANENT, SHALL AT ALL TIMES BE THE RESPONSIBILITY OF THE OWNER.
- 33. ALL CUT AND FILL SLOPES SHALL BE SURFACE ROUGHENED AND VEGETATED WITHIN THREE DAYS AFTER GRADING IS COMPLETE.
- 34. STUMPS AND CONSTRUCTION DEBRIS SHALL BE DEPOSITED IN A PROPERLY PERMITTED
- 35. A DOUBLE ROW OF TYPE "S" SILT FENCE SHALL BE REQUIRED WHEN PLACED WITHIN 200' OF STATE WATERS AND AT THE TOE OF SLOPES GREATER THAN 10' IN HEIGHT.
- 36. THE CLEARING LIMITS WILL BE CLEARLY LOCATED IN THE FIELD. NO CONSTRUCTION ACTIVITY WILL TAKE PLACE OUTSIDE OF THE CLEARING LIMITS.
- 37. DEVELOPER TO CLEAN OUT ACCUMULATED SILT IN DETENTION POND AT END OF CONSTRUCTION WHEN DISTURBED AREAS HAVE BEEN STABILIZED.
- 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.

VAL DRIVE N 30511 78-0067 8-0069 Id.com design

ABERSHAM COUNTY
EVELOPMENT
UTHORITY
S5 MONROE ST. UNIT 20
LARKESVILLE, GA 30523

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TO A Sign

PARK LOT 'PARK LOT 'ND LOT 169, 10th DIS CITY OF BALDWIN

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DATE: MAY 9, 2023

SCALE: N/A

SHEET:

JOB # 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-

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

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

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

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

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

IF NEW CHANNELS HAVE DEVELOPED.

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

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 (PHASE 2)

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL 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 PROFESSIONAL

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

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 THE TOP OF ALL SAID FILL SLOPES WITH THE USE OF ALL TEMPORARY DOWN 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 SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS AND DIVERSION DIKES AS 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 GRADING OR 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. 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.

FINAL PHASE EROSION CONTROL NOTES (PHASE 3) THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED 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 IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE LEVEL AS NOTED ON SILT GAUGE.

FINAL PHASE EROSION CONTROL NOTES (PHASE 3) 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.

ALL ROADWAY AND PARKING SHOULDERS SHOULD BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED BEHIND

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

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 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.

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.

NPDES PERMIT NO. GAR 100001 PART IV D

4. Inspections.

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 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 evidence of off-site sediment tracking. These inspections must be conducted until a Notice of Termination is submitted.

(2). Measure and record rainfall within disturbed areas of the site that have not met final stabilization once every 24 hours except any non-working Saturday, 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 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 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 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 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 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 locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to 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

(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 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 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 whether erosion control measures are effective in preventing significant impacts to receiving water(s).

(5). Based on the results of each inspection, the site description and the pollution 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) 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 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 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 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 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

5. Maintenance. The Plan shall include a description of procedures to ensure the timely maintenance of vegetation. erosion and sediment control measures and

other protective measures identified in the site plan. **6. Sampling Requirements.** This permit requires the monitoring of nephelometric turbidity in receiving water(s) or outfalls in accordance with this permit. This 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 following procedures constitute EPD's guidelines for sampling turbidity.

a. Sampling Requirements shall include the following: (1). A USGS topographic map, a topographic map or a drawing (referred to as 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 shown 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 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

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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;

(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 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 (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.

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" 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 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. 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. 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 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 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). The upstream sample for each receiving water(s) must be taken immediately upstream of the confluence of the first stormwater discharge 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 from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the upstream

(b). The downstream sample for each receiving water(s) must be taken 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 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.

(c). Ideally the samples should be taken from the horizontal and vertical center of the receiving water(s) or the stormwater outfall channel(s).

(d). Care should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall stormwater channel.

(e). The sampling container should be held so that the opening faces

(f). The samples should be kept free from floating debris.

(g). Permittees do not have to sample sheet flow that flows onto undisturbed natural areas or areas stabilized by the project. For purposes 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 the Plan (uniformly covered with landscaping materials in planned landscaped areas). or equivalent permanent stabilization measures as 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 (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 III.D.3. or III.D.4 .. whichever is applicable.

d. Sampling Frequency.

(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. (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.

(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 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 of mass grading operations, in the drainage area of the location selected as the

(b). In addition to (a) above, for each area of the site that discharges to a 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 drainage area of the location selected as the sampling location, whichever comes

(c). At the time of sampling performed pursuant to (a) and (b) above, if 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 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 BMPs are properly designed, installed and maintained;

(d). Where sampling pursuant to (a), (b) or (c) above is required but not 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) or (c) above; and

(e). Existing construction activities, i.e., those that are occurring on or before the effective date of this permit, that have met the sampling required by (a) above shall sample in accordance with (b). Those existing construction activities

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that have met the sampling required by (b) above shall not be required to conduct additional sampling other than as required by (c) above.

*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 exceeds 0.5 inch and allows for sampling at any time of the day or week.

7. Non-stormwater discharges. Except for flows from fire fighting activities. sources of nonstormwater listed in Part IILA.2. of this permit that are combined with stormwater discharges associated with construction activity must be identified in the Plan. The Plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-stormwater component(s) of the discharge.

E. Reporting.

shown in Part ILC. by the fifteenth day of the month following the reporting period. Reporting periods are months during which samples are taken in accordance with this permit. Sampling results shall be in a clearly legible format. Upon written notification. EPD may require the applicable permittee to submit the sampling results on a more frequent basis. Sampling and

be signed in accordance with Part V.G.2. Sampling reports must be submitted to EPD using the electronic submittal service provided by EPD. Sampling reports must be submitted to EPD until such time as a NOT is submitted in accordance with Part VI.

2. All sampling reports shall include the following information:

- a. The rainfall amount. date. exact place and time of sampling or measurements; b. The name(s) of the certified personnel who performed the sampling and measurements;
- c. The date(s) analyses were performed;
- d. The time(s) analyses were initiated; e. The name(s) of the certified personnel who performed the analyses;
- f. References and written procedures. when available, for the analytical techniques or
- g. The results of such analyses. including the bench sheets. instrument readouts. computer disks or tapes. etc .. used to determine these results;

h. Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU;" and i. Certification statement that sampling was conducted as per the Plan.

3. All written correspondence required by this permit shall be submitted by return receipt 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

from commencement of construction until such time as a NOT is submitted in accordance with Part VI.

F. Retention of Records.

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

c. The design professional's report of the results of the inspection conducted m accordance with Part IV.A.5. of this permit; d. A copy of all sampling information, results, and reports required by this permit;

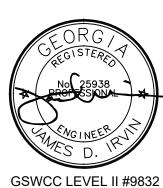
e. A copy of all inspection reports generated in accordance with Part IV.D.4.a. of this f. A copy of all violation summaries and violation summary reports generated in

accordance with Part III.D.2. of this permit; and 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.

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DEVELOPME
AUTHORITY
555 MONROE ST. U
CLARKESVILLE, G/

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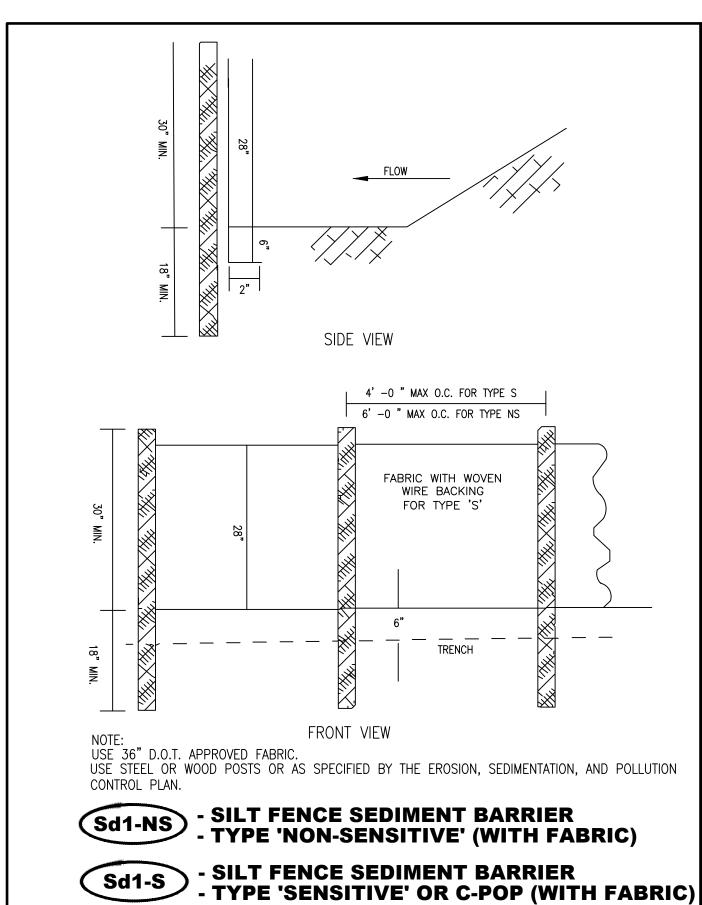


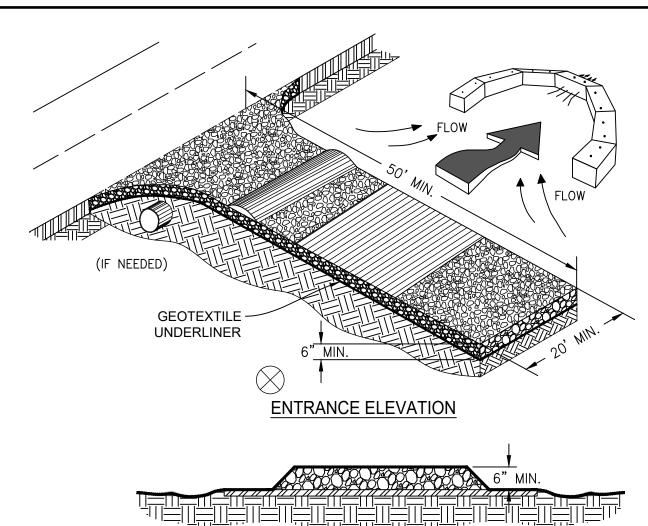
DATE: MAY 9, 2023

SCALE: N/A

SHEET:

JOB # 23027





NOTES: 1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS. . REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE. . AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE). 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6". 5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN

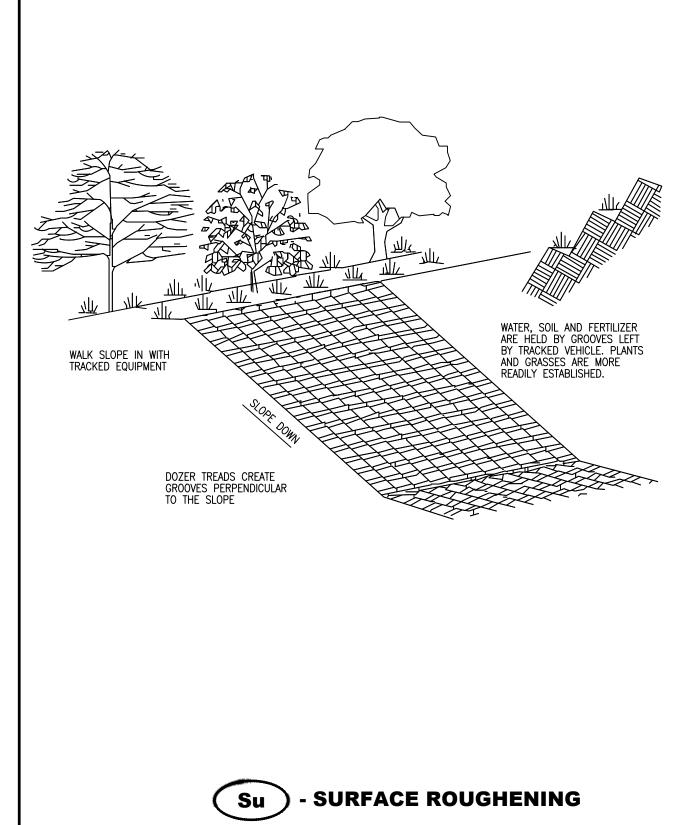
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.. 7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES. B. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND

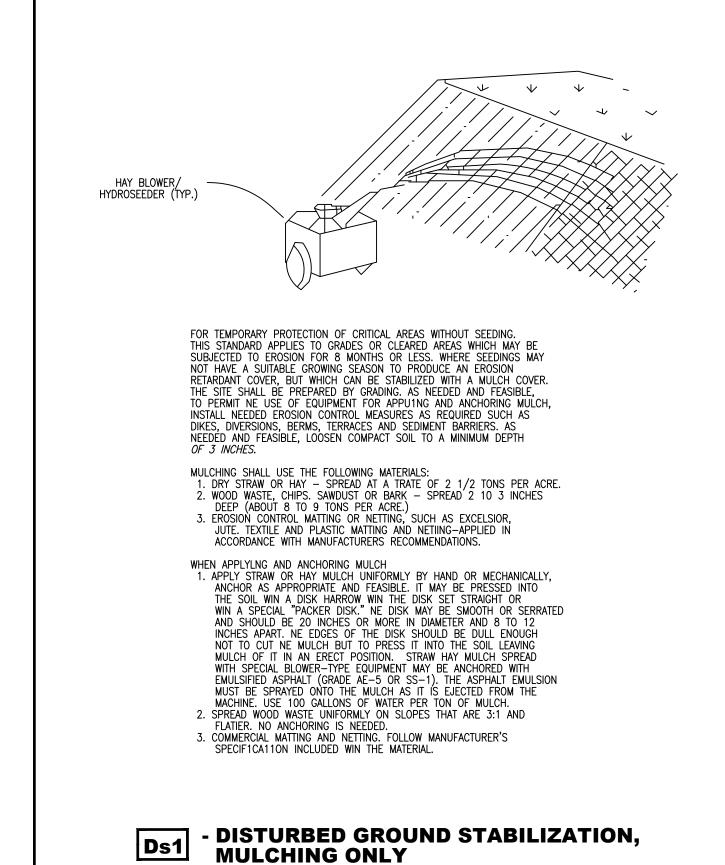
DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE). . WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL <u>SUITABLE</u> FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.

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 USED TO TRAP SEDIMENT.

CRUSHED STONE CONSTRUCTION EXIT

* PAD TO BE MAINTAINED DAILY *





RATES FOR TEMPORARY SEEDINGS

SPECI ES	RATE PER	RATE PER	PLANTI NG DATES						
	1000 sq ft	PER ACRE	MOUNTAI N	PI EDMONT	COASTAL				
RYE	3 POUNDS	2-3 bu.	8/ 1- 12/ 1 3/ 1- 4/ 1	9/ 1- 1/ 1 3/ 1- 4/ 1	10/1-3/1				
RYEGRASS	1 POUND	40 50 lbs.	8/1 12/1	8/ 15- 1/ 1	8/ 15 - 3/ 1				
RYE AND ANNUAL LESPEOEZA	1.5 POUNDS 0.5 POUNDS	l-5 bu. 20 25 lbs.	3/1 4/1 3/1 4/1	3/1 4/1 3/1 4/1	2/1 3/1 2/1 3/1				
WEEPI NG LOVEGRASS	0.2 POUNDS	4 6 lbs.	3/ 15- 8/ 1	3/1 8/15	2/15 8/15				
SUDANGRASS	1 POUND	35 45 lbs.	4/ 1- 8/ 1	4/1 7/15	4/1 - 7/15				
BROWN TOP MILLIT	1 POUND	30-40 lbs.	4/1 7/1	4/1 7/15	4/ 1- 7/ 15				
WHEAT	3 POUNDS	2 3 bu.	1 O/ 1- 12/ I	10/15 1/1	11/1 1/15				

1) UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES.
2) SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.

DEFINITION:

ESTABLISHING TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDLINGS ON DISTURBED OR DENUDED AREAS.

? TO REDUCE EROSION, SEDIMENT AND RUNOFF DAMAGES TO DOWNSTREAM RESOURCES.

- TO IMPROVE WILDLIFE HABITAT. ? TO IMPROVE AESTHETICS. ? TO IMPROVE SAFETY AND PUBLIC ROAD TIGHTS?OF?WAY.

THIS PRACTICE IS APPLICABLE ON AREAS SUBJECT TO EROSION FOR UP TO TWELVE MONTHS OR UNTIL ESTABLISHMENT OF FINISHED GRADE OR PERMANENT VEGETATIVE COVER. TEMPORARY VEGETATIVE MEASURES SHOULD BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMICAL AND EFFECTIVE STABILIZATION.

- TO IMPROVE TILTH AND ODD ORGANIC MATTER FOR PERMANENT PLANTINGS.

SPECIFICATIONS:

1. EXCESSIVE WATER RUN?OFF MUST BE CONTROLLED BY PLANNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BASINS AND OTHERS. 2. NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND?SEEDED VEGETATION OR IF HYDRAULIC

SEEDING EQUIPMENT IS TO BE USED.

B. SEEDBED PREPARATION

Co

1. WHEN A HYDRAULIC SEEDER IS USED, SEEDED PREPARATION IS NOT REQUIRED.

 WHEN USING CONVENTIONAL OR HAND—SEEDING, SEEDBED PREPARATION
IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED

OF THE SOIL MATERIAL IS LOOSE AND NOT SEALED

OF THE SOIL MATERIAL IS LOOSE AND NOT SEALED. BI KAINFALL.

3. WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH UNDISTURBED CUT SLOPES, THE SOIL SHALL PITTED, TRENCHED OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

1. ALL AREAS TO BE SEEDED SHALL HAVE LIME APPLIED AT A RATE OF 2 TONS/ ACRE.

2. ON REASONABLY FERTLE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED.

3. ON SOILS OF VERY LOW FERTILITY, USE 500 TO 700 POUNDS OF 10?10?10 FERTILIZER OR THE EQUIVALENT PER ACRE (12?16 LBS./1,000 SQ. FT.).

IF THE SITE WILL PERMIT, APPLY BEFORE LAID PREPARATION AND DISK, RIP OR CHISEL TO INCORPORATE.

1. SELECT A GROSS OR GRASS-LEGUME MIXTURE SUITABLE TO THE AREA AND SEASON OF THE YEAR (TABLE 6?24.1. P. 134?136, FIGURE 6?24.1,

P. 8?137).

2. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER—SEEDER. OR HYDRAULIC SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). DRILL OR CULTIPACKER?SEEDERS SHOULD NORMALLY PLACE SEED ONE?HALF TO ONE INCH DEEP.

E. MULCHING
TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE
USE OF MULCH. MULCH WITHOUT SEEDING SHOULD BE CONSIDERED FOR SHORT **SEE DS1 ? DISTURBED AREA STABILIZATION, (WITH MULCHING ONLY).**

IF WATER IS APPLIED, IT MUST BE AT A RATE NOT CAUSING RUNOFF AND EROSION. THOROUGHLY WET THE SOIL TO A DEPTH THAT WILL INSURE GERMINATION OF THE SEED. SUBSEQUENT APPLICATIONS SHOULD BE MADE

ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDLINGS.

* LESS TNAN OR EQUAL TO 12 MONTHS OR UNTIL ESTABLISHMENT OF FINISHED GRADE OR PERMANENT VEGETATION

* SITE PREPARATION: . GRADING AND SHAPING 2. SEEDBED PREPARATION

DISTURBED GROUND STABILIZATION, TEMPORARY VEGETATION

3. APPLY LIME AND FERTILIZER
4. PLANT SEEDING, SELECT SPECIES BY SEASON AND REGION
5. APPLY MULCHING MATERAL IF NEEDED 6. IRRIGATE IF NEEDED BUT NOT AT RATE TO CAUSE EROSION.

RATES FOR PERMANENT SEEDINGS

	TOTAL TOTAL TERMINA	LIVI GEEDIIVOO				
SPECI ES	RATE/ ACRE	DATES	FERTI LI ZER	RATE/ ACRE		
SERI CEA LESPECEZA OR SWEET HAY WITH OVERSEEDED WEEPING LOVEORGASS AND	3 TONS/ AC. 3-4 LBS/ AC.	10/ 1- 3/ 1	12- 4- 8 12- 4- 8	1500 lb. 1500 lb.		
COMMON BERMUDA UNHULLED W RYE CRASS	10 LBS/ AC. 15 LAS/ AC.		12-4?8 12-4-8	1500 lb. 1500 lb.		
WEEPING LOVEGRASS	3- 4 LBS/ AC.	3/ 1- 5/ 15	12- 4- 8	1500 lb.		
VIRGATA OR SERICEA LESPEDEZA (SCARIFIED)	40-60 LBS/ AO	3/ 1- 3/ 13	12-4-8	7500 lb.		
COMMON BERMUDA HULLED W WHITE DUTCH CLOVER AND PENSACOLA BAHLA	4 LBS/ AC. 6 LBS/ AC. 50 LBS/ AC.	4/ 1- 6/ 15	12- 4- 8 12- 4- 8 12- 4- 8	1500 b. 1500 b. 1500 b.		
60% CRIMSON CLOVER (TRIFOLIUM INCARRETUM) & 40% KENTUCKY 31 FESCUE (FESTUCA	10 LBS/ 1000 SF	8/ 15-	12- 4- 8 12- 4- 8	1500 b. 1500 b.		
ARUNDI NACEA) OR		11/ 15				
KENTUCKY 31 FESCUE W RYE GRASS	50 LBS/ AC. 15 LBS/ AC.	,	12- 4- 8 12- 4- 8	1500 lb. 1500 lb.		
STRAW MULCH	2. 5 TONS/ AC.	ANY TII	WE FOR TEMPOR	RARY COVER		
AGRICULIURAL LIME	2 TONS/AC.	AFTER SOIL IS PULVERIZED				

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.

DEFINITION:

PLANTING VEGETATION, SUCH AS TREES, SHRUBS, VINES, GRASSES, OR LEGUMES ON HIGHLY ERODIBLE OR CRITICALLY ERODING AREAS (DOES NOT INCLUDE TREE PLANTING MAINLY FOR WOOD PRODUCTS).

PLANNING CONSIDERATIONS:

? TO STABILIZE THE SOIL. ? TO REDUCE DAMAGE FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS. ? TO IMPROVE WILDLIFE HABITAT AND VISUAL RESOURCES.

ON HIGHLY ERODIBLE OR CRITICALLY ERODING AREAS. THESE AREAS USUALLY CANNOT BE STABILIZED BY ORDINARY CONSERVATION TREATMENT AND MANAGEMENT AND IF LEFT UNTREATED CAN CAUSE SEVERE EROSION OR SEDIMENT DAMAGE. EXAMPLES OF APPLICABLE AREAS ARE DAMS, DIKES, LEVEES, CUTS, FILLS, AND DENUDED OR GULLIED AREAS WHERE VEGETATION IS DIFFICULT TO ESTABLISH BY USUAL DIADYTIMS METHODS. BY USUAL PLANTING METHODS.

1. USE CONVENTIONAL PLANTING METHODS WHERE POSSIBLE.
2. COMPANION CROPS AID IN GETTING PERMANENT COVER ESTABLISHED, ESPECIALLY WHEN MIXED PLANTINGS ARE DONE DURING MARGINAL PLANTING

3. NO?TILL PLANTING II EFFECTIVE WHEN PLANTING IS DONE FOLLOWING A SUMMER OR WINTER ANNUAL COVER CROP. SERICEA LESPEDEZA PLANTED NO?TILL INTO STANDS OF RYE IS AN EXCELLENT PROCEDURE.

4. BLOCK SOD IS EFFECTIVE IN CONTROLLING EROSION ADJACENT TO CONCRETE

FLUMES AND OTHER STRUCTURES.

5. CONSIDER USING IRRIGATION, ESPECIALLY WHEN LATE PLANTINGS ARE DONE.

6. USE LOW MAINTENANCE PLANTS IN MOST CASES TO ENSURE LONG?LASTING FROSION CONTROL

7. MOWING SHOULD NOT BE PERFORMED DURING THE QUAIL NESTING SEASON 8. WILDLIFE PLANTINGS SHOULD BE INCLUDED IN CRITICAL AREA PLANTINGS.

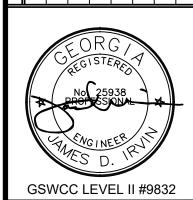
ESTABLISHING A PERMANENT VEGETATIVE COVER ON A DISTURBED AREA. APPLICABLE ON HIGHLY ERODED OR SEVERLY ERODED AREAS, SOMETIMES CALLED ?CRITICAL AREAS?, INCLUDING: 1. CUT OR FILL SLOPES 5. BERMS
2 FARTH SPILLWAYS 6. ROADSIDES 3. BORROW AREAS 7. SPOIL AREAS 4. CHANNEL BANKS

* HAVE SOIL ANALYZED FOR LIME AND FERTILIZER RATE * MULCH SLOPES STEEPER THAN 3% AND IN BOTTOM OF SPILLWAYS MID ON ROADBANKS * ANCHOR MULCH IMMEDIATELY

DISTURBED GROUND STABILIZATION, PERMANENT VEGETATION

HABERSHAM
DEVELOPMEN
AUTHORITY
555 MONROE ST. UNI
CLARKESVILLE, GA 30

ERSHA
PARK
LAND LOT 1
CITY CHARFRSHA



DATE: MAY 9, 2023

SCALE: N/A

JOB # 23027

SHEET



DEFINITION Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

PURPOSE •To prevent surface and air movement of dust from exposed soil surfaces.

injurious to human health, welfare, or safety,

•To reduce the presence of airborne substances that may be harmful or

CONDITIONS

This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS

or to animals or plant life.

A. Temporary Methods

GSWCC 2016 Edition

Mulches. See standard Ds1 - Disturbed Area Stabilization (With Mulching Only). Synthetic resins may be used instead of asphalt to bind mulch material. Refer to specification Tac - Tackifiers. Resins should be used according to manufacturer's recommendations.

Vegetative Cover. See specification Ds2 -Disturbed Area Stabilization (With Temporary Seeding).

Spray-on Adhesives. These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to specification **Tac - Tackifiers**.

Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency measure that should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment that may produce the desired effect.

Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.

Barriers. Solid board fences, snowfences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.

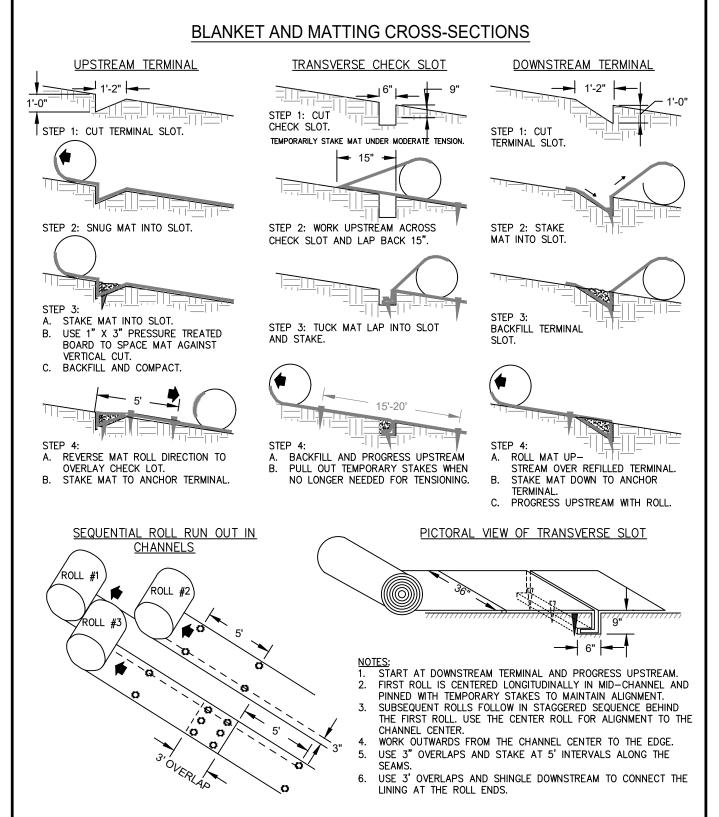
Calcium Chloride. Apply at rate that will keep surface moist. May need retreatment.

B. Permanent Methods

Permanent Vegetation. See specification Ds3 -Disturbed Area Stabilization (With Permanent Vegetation). Existing trees and large shrubs may afford valuable protection if left in place.

Topsoiling. This entails covering the surface with less erosive soil material. See specification Tp - Topsoiling.

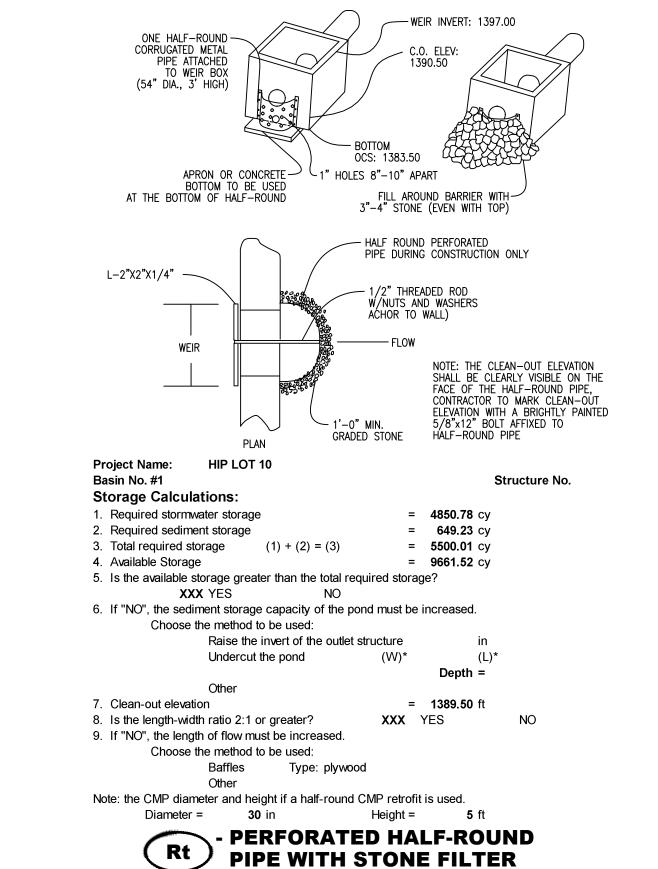
Stone. Cover surface with crushed stone or coarse gravel. See specification Cr-Construction Road Stabilization.

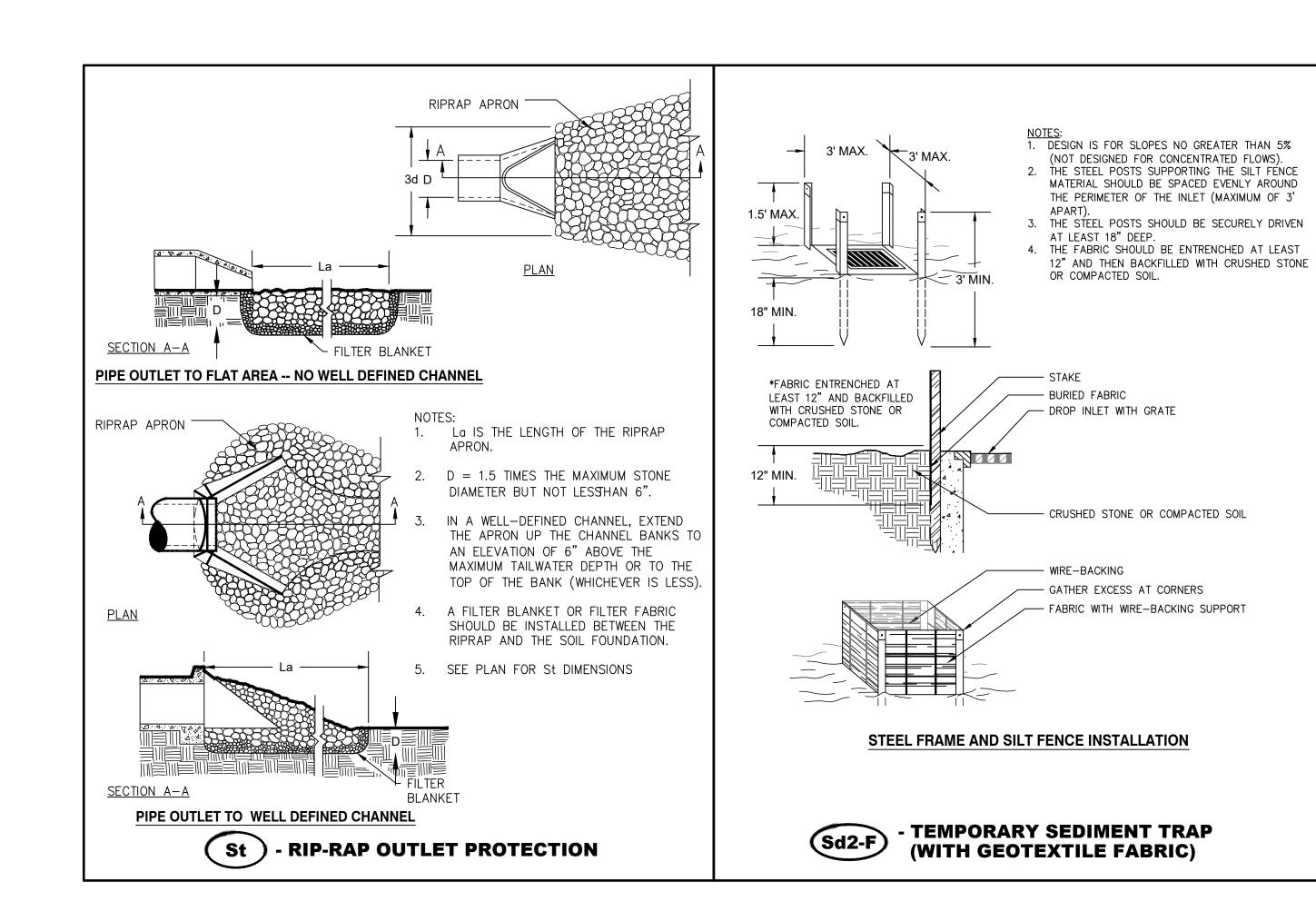


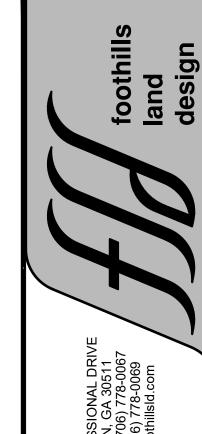
TYPICAL INSTALLATION GUIDELINES

FOR MATTINGS AND BLANKETS

Ss







HABERSHAM (DEVELOPER.)

DEVELOPMEN

AUTHORITY

555 MONROE ST. UNIT

CLARKESVILLE, GA 30

Ph: 706-839-0210

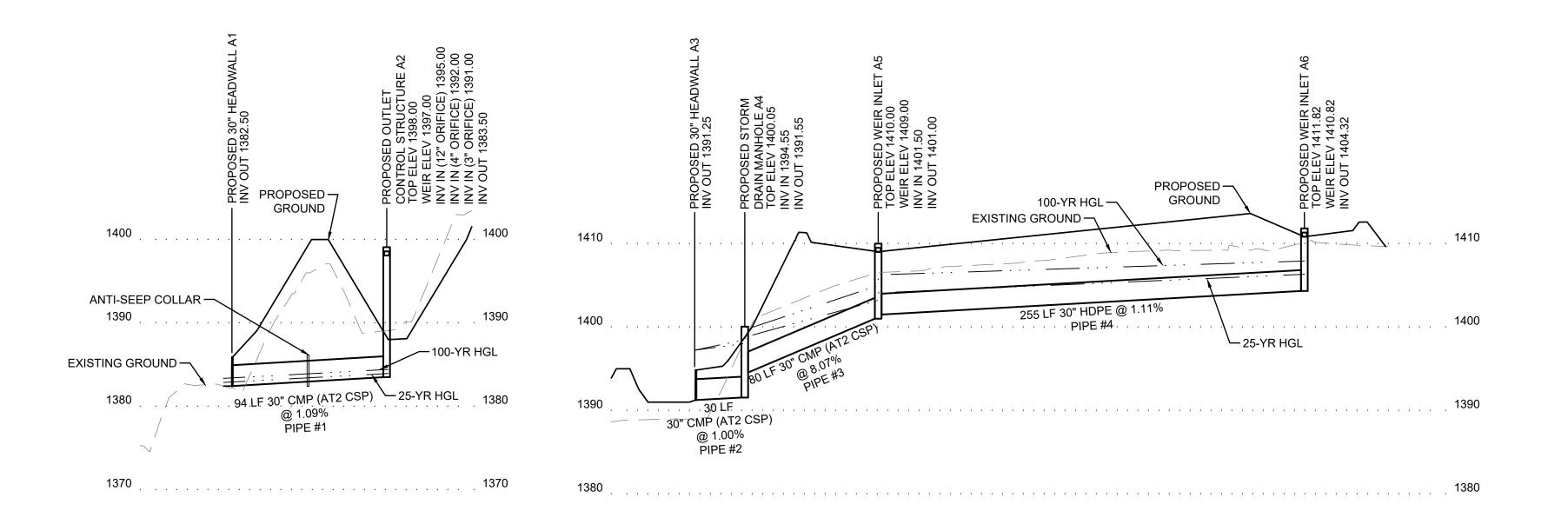
GSWCC LEVEL II #9832

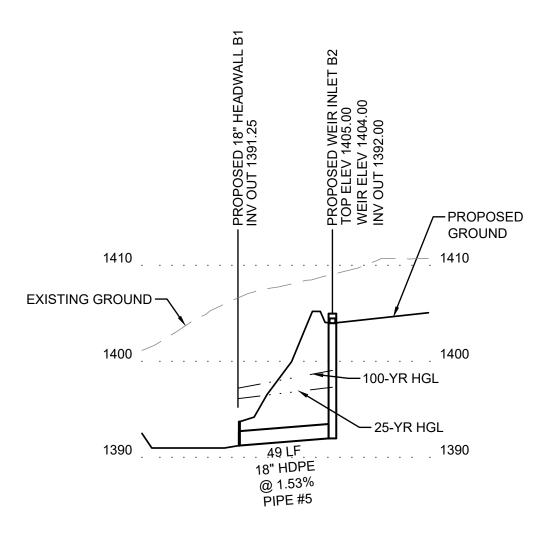
DATE: MAY 9, 2023

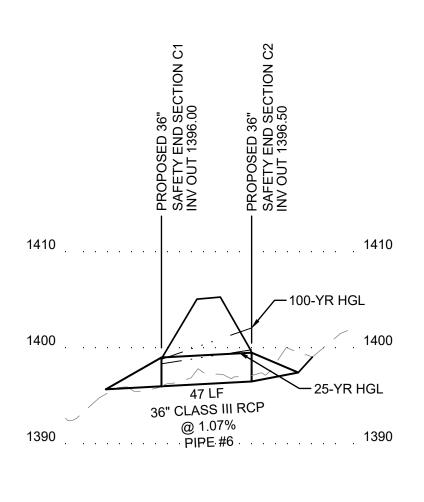
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SHEET:

C10 JOB # 23027







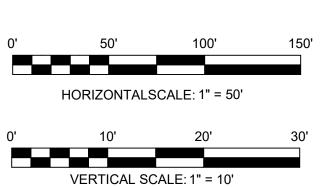
PIPE CHART FOR 25-YR STORM EVENT

Upstream Node	Downstream Node	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)	Pipe Name
OUTLET CONTROL STRUCTURE A2	30'' HEADWALL A1	CMP (AT2 CSP)	30.00	0.020	98.71	1.09	5.00	9.46	6.04	2.73	5.75	0.45	1.42	PIPE #1
SAFETY END SECTION C2	SAFETY END SECTION C1	CLASS III RCP	36.00	0.020	46.92	1.07	5.00	9.46	0.00	0.00	8.13	0.64	22.04	PIPE #6
WEIR INLET A6	WEIR INLET A5	HDPE	30.00	0.020	255.37	1.11	5.00	9.46	34.64	34.64	7.06	0.85	4.31	PIPE #4
WEIR INLET A5	STORM DRAIN MANHOLE A4	CMP (AT2 CSP)	30.00	0.020	79.94	8.07	5.00	9.46	11.33	43.83	9.25	0.54	2.22	PIPE #3
STORM DRAIN MANHOLE A4	30'' HEADWALL A3	CMP (AT2 CSP)	30.00	0.020	30.00	1.00	0.00	0.00	0.00	43.34	8.83	0.00	0.00	PIPE #2
WEIR INLET B2	18'' HEADWALL B1	HDPE	18.00	0.010	49.17	1.53	5.00	9.46	21.34	21.34	12.07	0.62	3.64	PIPE #5

NOTES:
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.



164 PROFESSIONAL DRIVE
BALDWIN, GA 30511
PHONE: (706) 778-0067
FAX: (706) 778-0069
www.foothillsld.com

HABERSHAM COUNT
DEVELOPMENT
AUTHORITY
555 MONROE ST. UNIT 20

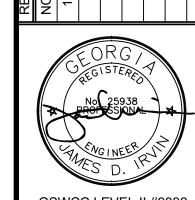
PARK LOT 10

ND LOT 169, 10th DISTRICT
CITY OF BALDWIN

O. DESCRIPTION

1 REVISED SCOPE & PER CITY OF BALDWIN

6-30-23



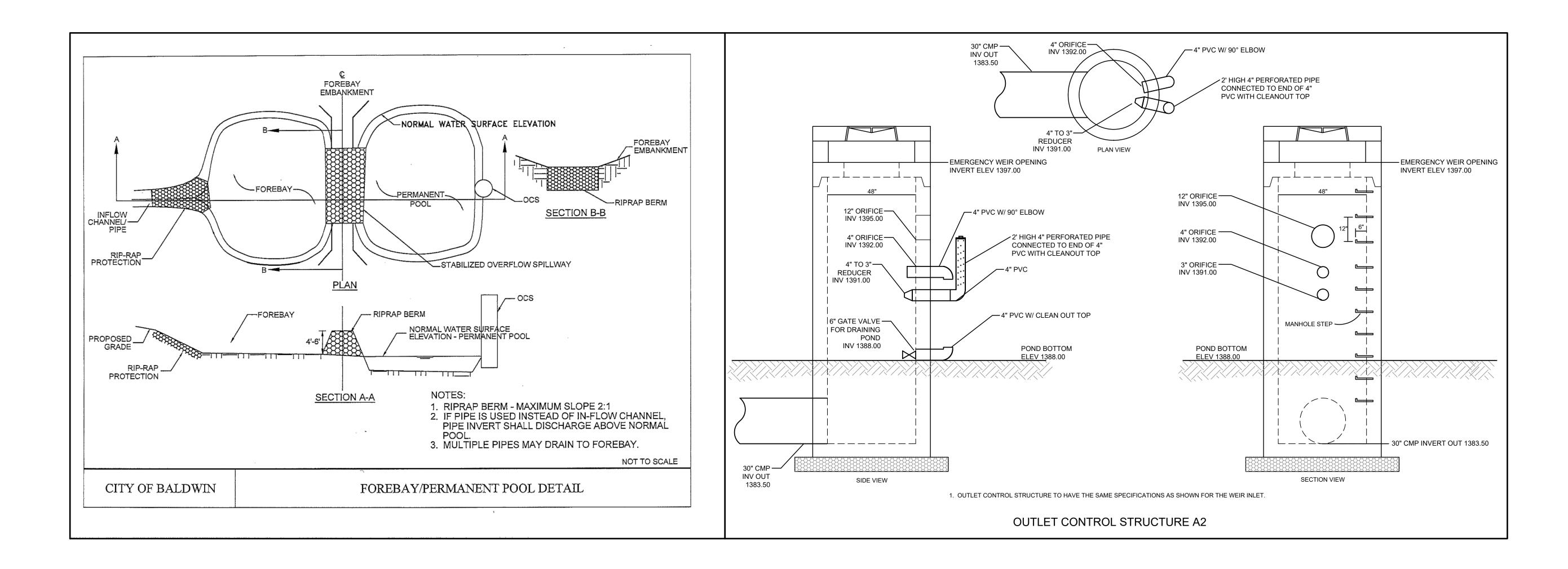
GSWCC LEVEL II #9832

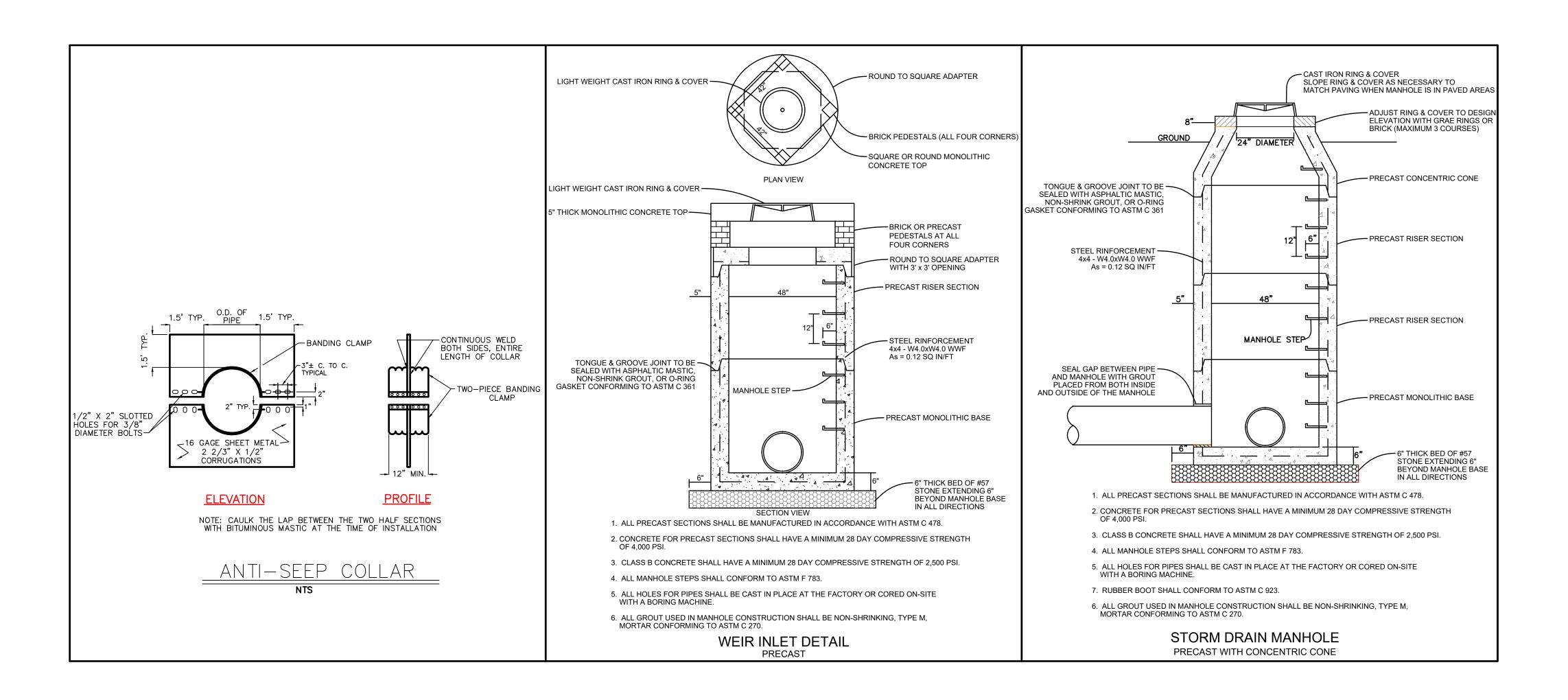
DATE: MAY 9, 2023

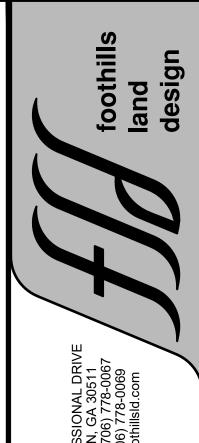
HORIZONTAL SCALE: 1" = 50

VERTICAL SCALE: 1" = 10'

SHEET:
C11
JOB # 23027







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HABERSHAM COUR
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AUTHORITY
555 MONROE ST. UNIT 20

BERSHAM INDUSTR
PARK LOT 10

LAND LOT 169, 10th DISTRICT
CITY OF BALDWIN

ESCRIPTION DATE
EVISED SCOPE & PER CITY OF BALDWIN 6-30-23

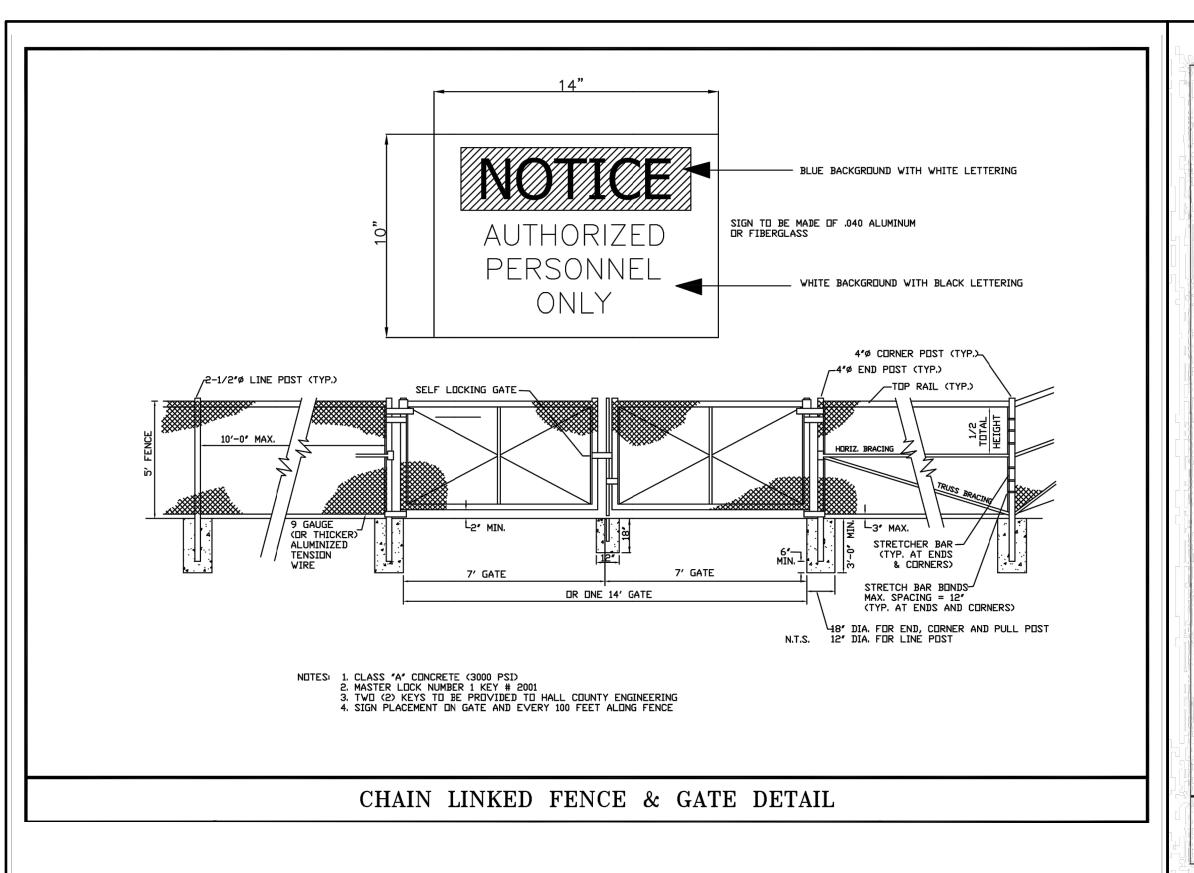
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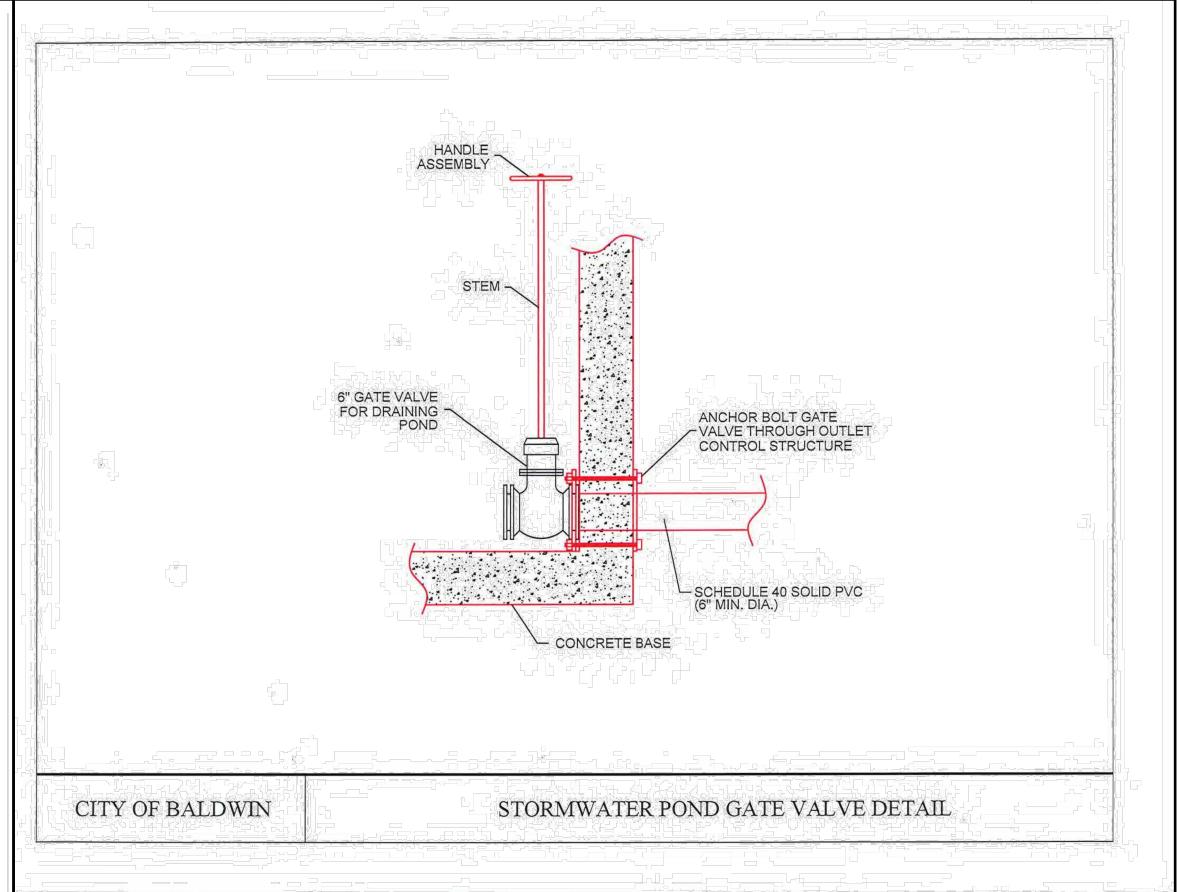
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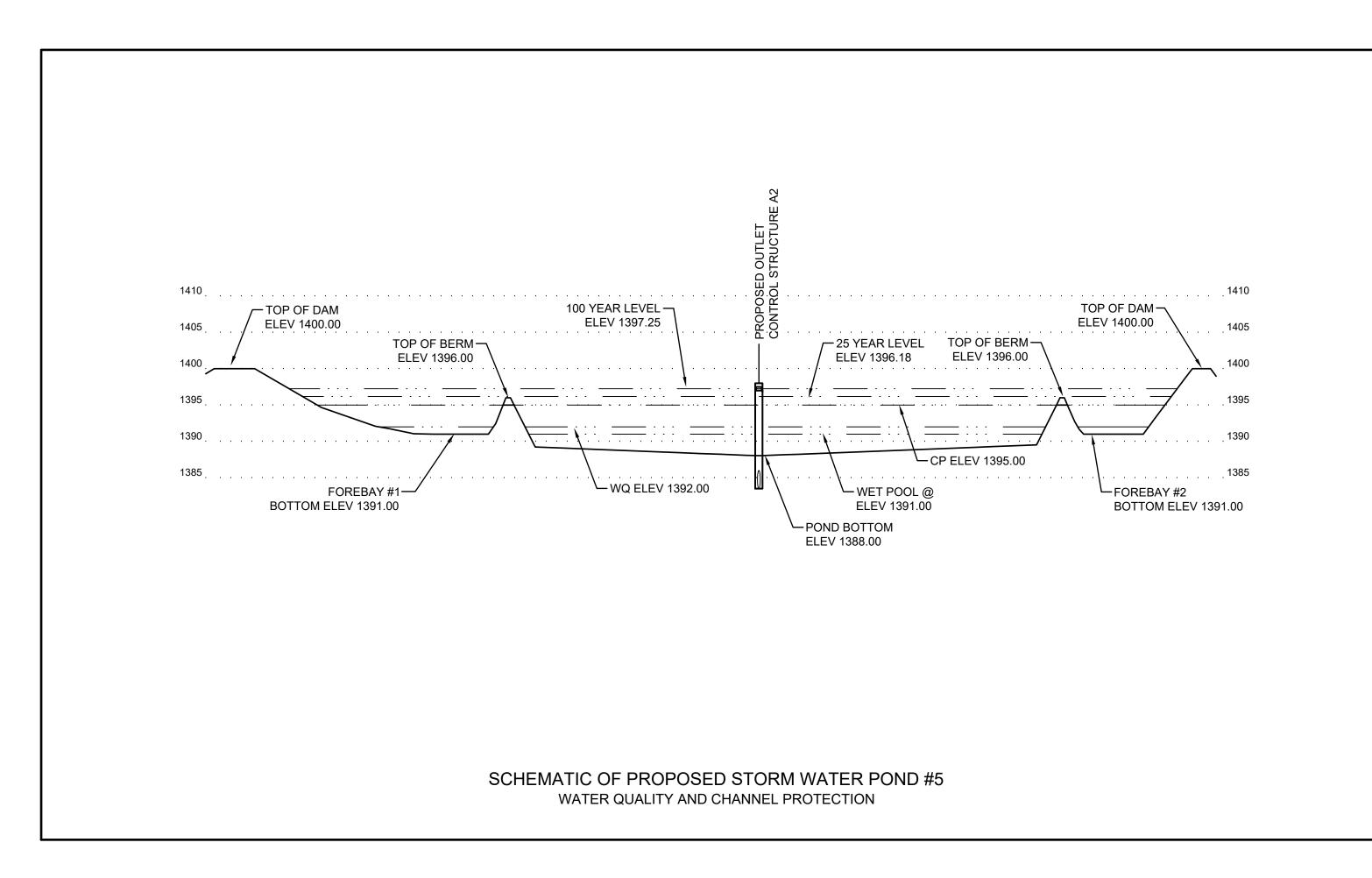
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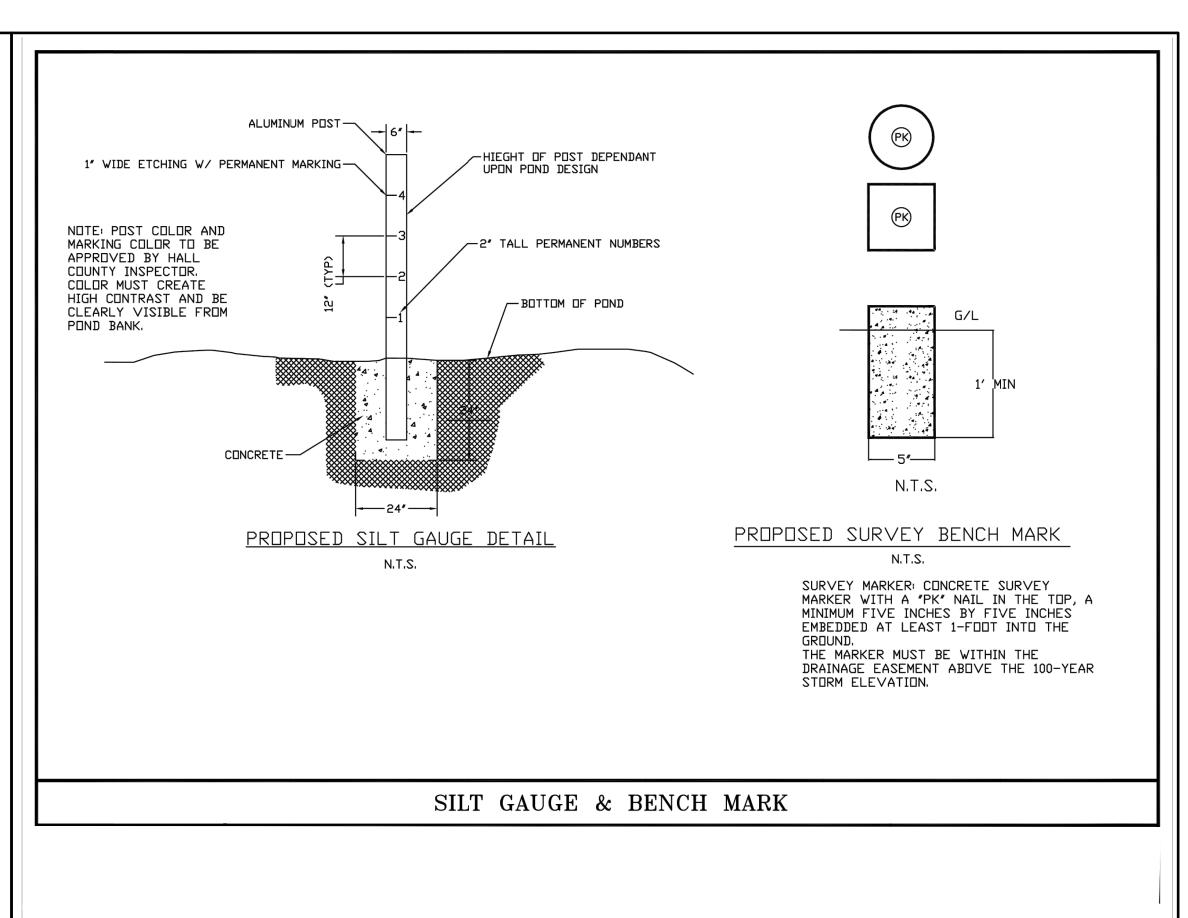
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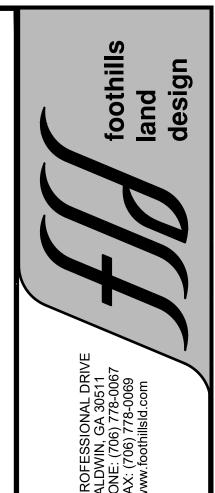
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JOB # 23027











BERSHAM COUNTY
VELOPMENT
THORITY
MONROE ST. UNIT 20

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ABERSHAM INDUS-PARK LOT 10

LAND LOT 169, 10th DISTRIC

NO. DESCRIPTION

1 REVISED SCOPE & PER CITY OF BALDWIN

6-30-23



DATE: MAY 9, 2023

SHEET:

C13
JOB # 23027

SCALE: N/A