



HABERSHAM COUNTY
GEORGIA | Est. 1818

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NO PROPOSAL SHALL BE WITHDRAWN FOR A PERIOD OF SIXTY (60) DAYS FROM DATE OF BID OPENING.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 Statutory
- (2) Applicable Federal (e.g. Longshoreman’s) Statutory
- (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) \$50,000
- (6) Excess or Umbrella Liability \$3 Million
 - a. General Aggregate \$3 Million
 - b. Each 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					

TOTAL BASE BID _____.

SUBMITTED BY: _____

Name of Corporation, Partnership, Individual

ADDRESS: _____

Signature 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:

This the _____ Day of _____, 2023

BY: _____ TITLE _____

Printed Name of Official Signing Contract

WITNESS FOR THE
CONTRACTOR _____

.....
CONTRACT EXECUTED ON BEHALF OF HABERSHAM COUNTY DEVELOPMENT
AUTHORITY:

This the _____ Day of _____, 2023

BY: _____

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.

BIDDER:

Name Title

Name Title

AFFIX CORPORATE SEAL (If Applicable)

CERTIFICATE OF NON-DISCRIMINATION

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

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

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

BIDDER

SIGNATURE

TITLE

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 or affiants or either of them has not, directly or indirectly; entered into any arrangement or agreement with any other bidder(s), which tends to, or does lessen or destroy free competition in the letter of the contract sought for by the attached bids; that no inducement of any form or character other than that which appears upon the face of the bid will be suggested, offered, paid or delivered to any person whomsoever to influence the acceptance of the bid or awarding of the contract, nor has this bidder any understanding or agreement of any kind whatsoever, with any person whomsoever to pay, deliver to, or share with any other person in any way or manner, any of the proceeds of the contract sought by this bid.

Contractor: _____

By: _____

Authorized Contractor Representative

This the _____ Day of _____, 2023

Notary Public: _____

My Commission Expires: _____, 20__ __

Request for Taxpayer Identification Number and Certification

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

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return)	
	Business name/disregarded entity name, if different from above	
	Check appropriate box for federal tax classification: <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ <input type="checkbox"/> Other (see instructions) ▶ _____	Exemptions (see instructions): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____
	Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
	City, state, and ZIP code	
List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Social security number									

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Employer identification number									

Part II Certification

Under penalties of perjury, I certify that:

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

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

Sign Here	Signature of U.S. person ▶	Date ▶
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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

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

PROJECT SUBMITTAL & REVISION SUMMARY

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



Know what's below.
Call before you dig.

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

PROJECT CONSTRUCTION SCHEDULE

ACTIVITY DESCRIPTION	MONTH 1	MONTH 2
BMP INSTALLATION	█	
BMP MAINTENANCE	█	█
ROUGH GRADING	█	█
TEMP VEGETATION		█
PIPE INSTALLATIONS		█
FINAL GRADING		█
FINAL VEGETATION		█

DRAWING INDEX

COVER	C1
SITE PLAN	C2
GRADING AND DRAINAGE PLAN	C3
PHASE 1 EROSION, SEDIMENT AND POLLUTION CONTROL PLAN	C4
PHASE 2 EROSION, SEDIMENT AND POLLUTION CONTROL PLAN	C5
PHASE 3 EROSION, SEDIMENT AND POLLUTION CONTROL PLAN	C6
EROSION CONTROL NOTES	C7-C8
EROSION CONTROL DETAILS	C9-C10
STORM DRAIN PROFILES	C11
CONSTRUCTION DETAILS	C12-C13

TAX PARCEL NUMBER: 090 015 & 090 0085
SITE ADDRESS: 1105 AIRPORT ROAD, BALDWIN GA 30511

ZONING: I-1

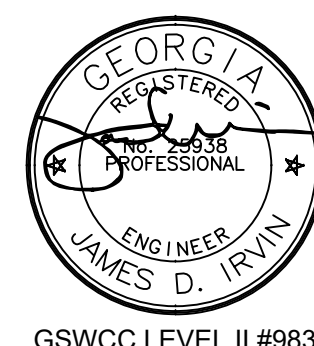
THIS PROPERTY IS NOT LOCATED WITHIN A 100 YEAR FLOOD PLAIN PER FIRM PANEL NO. 13137C0281D, DATED 1/4/2018.

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".

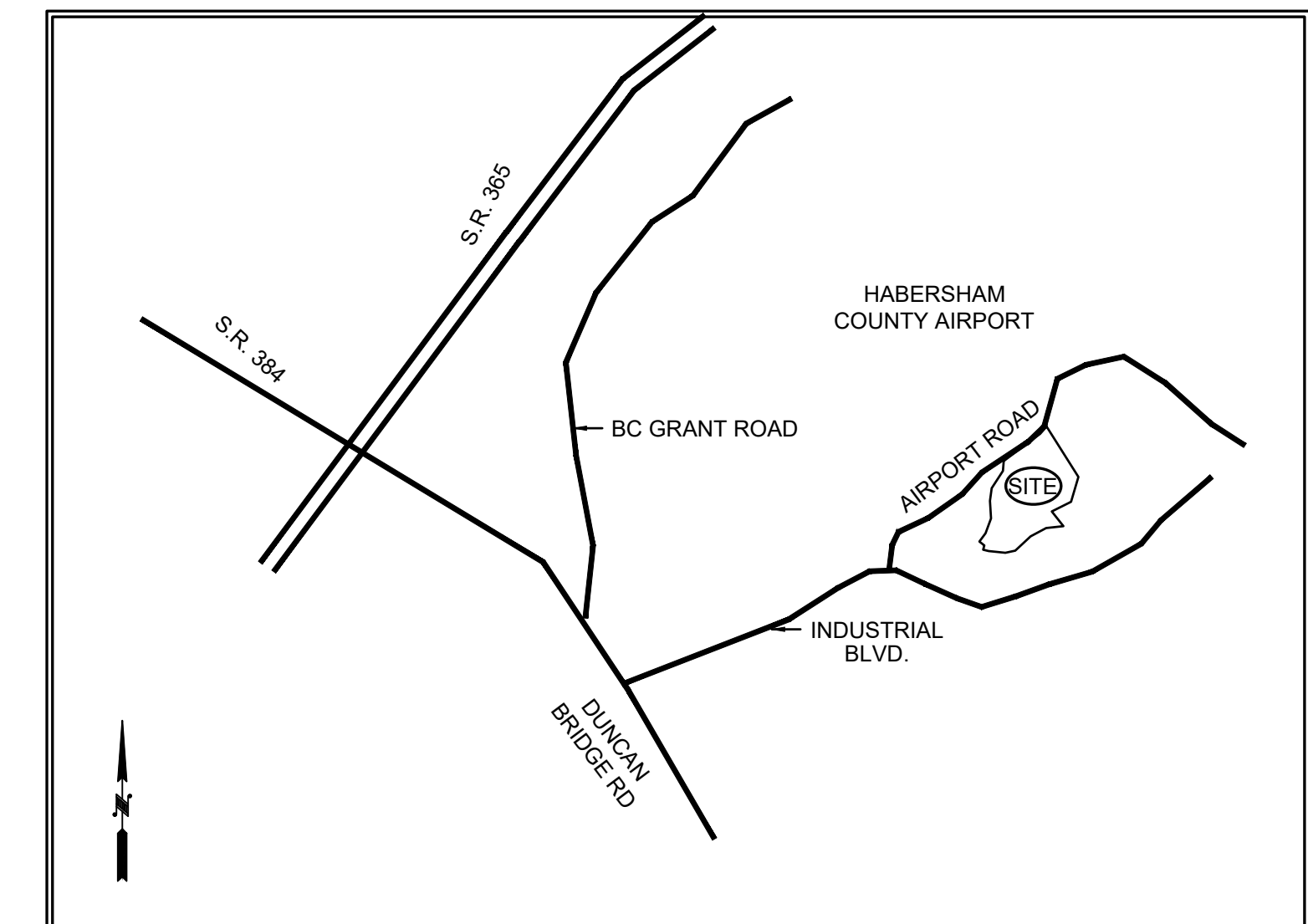


MAY 9, 2023

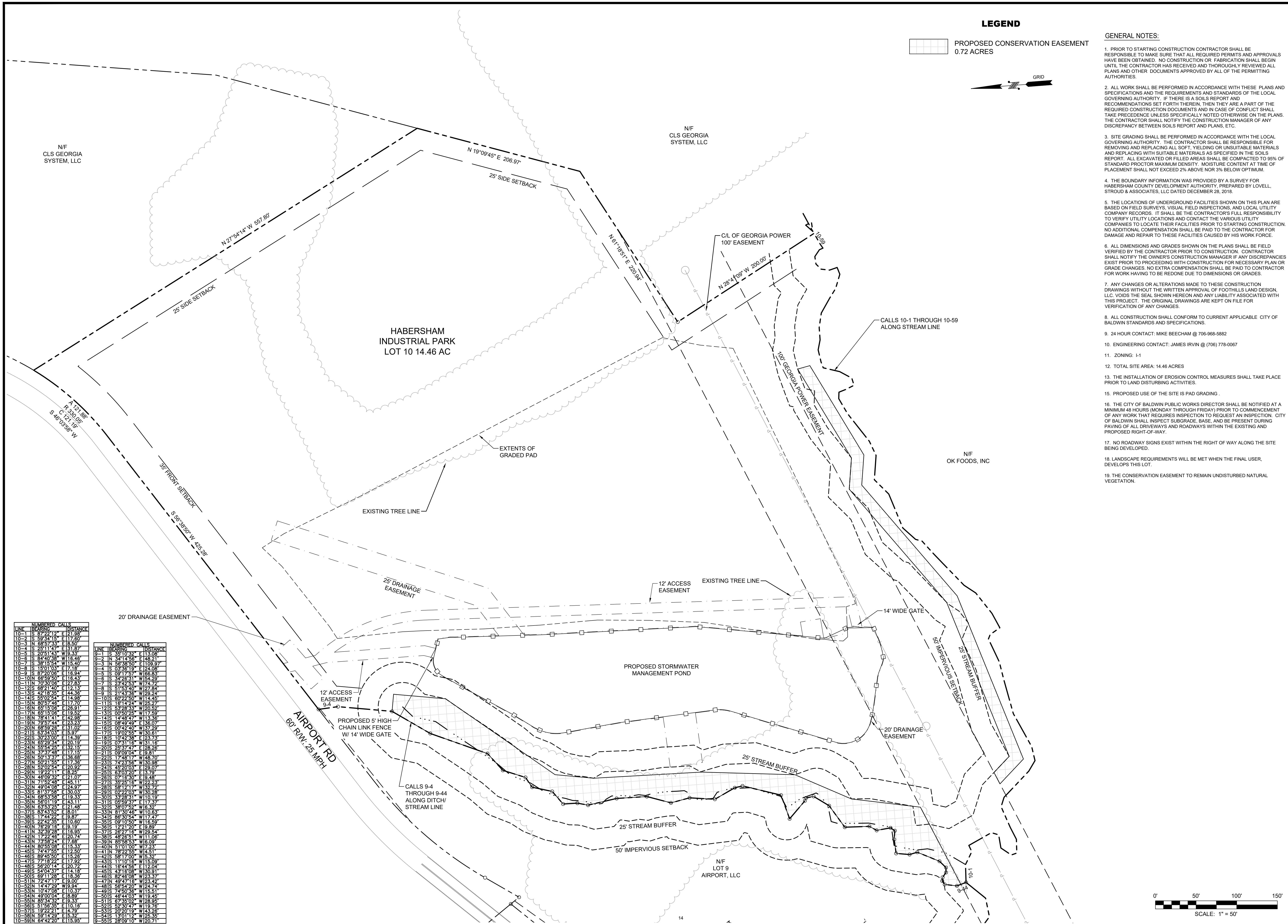


24 HOUR CONTACT: MIKE BEECHAM @ 706-968-5882

SITE LOCATION MAP (N.T.S.)

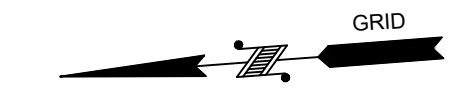


THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL TAKE PLACE PRIOR TO LAND DISTURBING ACTIVITIES



LEGEND

PROPOSED CONSERVATION EASEMENT
0.72 ACRES



GENERAL NOTES:

1. PRIOR TO STARTING CONSTRUCTION CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. IF THERE IS A SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN, THEN THEY ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND IN CASE OF CONFLICT SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT AND PLANS, ETC.
3. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THE LOCAL GOVERNING AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM.
4. THE BOUNDARY INFORMATION WAS PROVIDED BY A SURVEY FOR HABERSHAM COUNTY DEVELOPMENT AUTHORITY, PREPARED BY LOVELL, STROUD & ASSOCIATES, LLC DATED DECEMBER 28, 2018.
5. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD SURVEYS, VISUAL FIELD INSPECTIONS, AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO VERIFY UTILITY LOCATIONS AND CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.
6. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER'S CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES.
7. ANY CHANGES OR ALTERATIONS MADE TO THESE CONSTRUCTION DRAWINGS WITHOUT THE WRITTEN APPROVAL OF FOOTHILLS LAND DESIGN, LLC, Voids THE SEAL SHOWN HEREON AND ANY LIABILITY ASSOCIATED WITH THIS PROJECT. THE ORIGINAL DRAWINGS ARE KEPT ON FILE FOR VERIFICATION OF ANY CHANGES.
8. ALL CONSTRUCTION SHALL CONFORM TO CURRENT APPLICABLE CITY OF BALDWIN STANDARDS AND SPECIFICATIONS.
9. 24 HOUR CONTACT: MIKE BEECHAM @ 706-968-5882
10. ENGINEERING CONTACT: JAMES IRVIN @ (706) 778-0067
11. ZONING: I-1
12. TOTAL SITE AREA: 14.46 ACRES
13. THE INSTALLATION OF EROSION CONTROL MEASURES SHALL TAKE PLACE PRIOR TO LAND DISTURBING ACTIVITIES.
14. PROPOSED USE OF THE SITE IS PAD GRADING.
15. THE CITY OF BALDWIN PUBLIC WORKS DIRECTOR SHALL BE NOTIFIED AT A MINIMUM 48 HOURS (MONDAY THROUGH FRIDAY) PRIOR TO COMMENCEMENT OF ANY WORK THAT REQUIRES INSPECTION TO REQUEST AN INSPECTION. CITY OF BALDWIN SHALL INSPECT SUBGRADE, BASE, AND BE PRESENT DURING PAVING OF ALL DRIVEWAYS AND ROADWAYS WITHIN THE EXISTING AND PROPOSED RIGHT-OF-WAY.
16. NO ROADWAY SIGNS EXIST WITHIN THE RIGHT OF WAY ALONG THE SITE BEING DEVELOPED.
17. LANDSCAPE REQUIREMENTS WILL BE MET WHEN THE FINAL USER, DEVELOPS THIS LOT.
18. THE CONSERVATION EASEMENT TO REMAIN UNDISTURBED NATURAL VEGETATION.

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
10-1	S 87°22'12"	E 21.98	10-1	S 87°22'12"	E 21.98
10-2	S 59°34'15"	E 17.60	10-2	S 59°34'15"	E 17.60
10-3	N 68°57'33"	E 18.50	10-3	N 68°57'33"	E 18.50
10-4	S 25°11'47"	E 31.87	10-4	S 25°11'47"	E 31.87
10-5	S 20°14'31"	E 19.33	10-5	S 20°14'31"	E 19.33
10-6	S 84°40'38"	W 16.46	10-6	S 84°40'38"	W 16.46
10-7	S 36°15'54"	W 15.40	10-7	S 36°15'54"	W 15.40
10-8	S 15°01'03"	E 17.18	10-8	S 15°01'03"	E 17.18
10-9	S 87°20'06"	E 16.94	10-9	S 87°20'06"	E 16.94
10-10	S 66°58'50"	E 16.43	10-10	S 66°58'50"	E 16.43
10-11	N 70°34'06"	E 12.83	10-11	N 70°34'06"	E 12.83
10-12	S 68°21'40"	E 12.13	10-12	S 68°21'40"	E 12.13
10-13	S 42°18'35"	E 14.36	10-13	S 42°18'35"	E 14.36
10-14	S 59°04'54"	E 14.88	10-14	S 59°04'54"	E 14.88
10-15	N 80°57'46"	E 17.70	10-15	N 80°57'46"	E 17.70
10-16	S 65°15'06"	E 26.91	10-16	S 65°15'06"	E 26.91
10-17	N 65°15'06"	E 18.34	10-17	N 65°15'06"	E 18.34
10-18	N 78°41'41"	E 42.98	10-18	N 78°41'41"	E 42.98
10-19	N 73°57'44"	E 23.23	10-19	N 73°57'44"	E 23.23
10-20	S 68°58'28"	E 31.02	10-20	S 68°58'28"	E 31.02
10-21	S 63°34'03"	E 15.97	10-21	S 63°34'03"	E 15.97
10-22	S 30°23'00"	E 14.39	10-22	S 30°23'00"	E 14.39
10-23	N 65°23'44"	E 20.19	10-23	N 65°23'44"	E 20.19
10-24	S 55°42'25"	E 32.15	10-24	S 55°42'25"	E 32.15
10-25	N 33°47'48"	E 17.15	10-25	N 33°47'48"	E 17.15
10-26	N 50°13'37"	E 36.68	10-26	N 50°13'37"	E 36.68
10-27	N 50°21'55"	E 17.36	10-27	N 50°21'55"	E 17.36
10-28	S 20°04'32"	E 120.97	10-28	S 20°04'32"	E 120.97
10-29	N 19°22'11"	E 8.25	10-29	N 19°22'11"	E 8.25
10-30	S 46°08'32"	E 21.07	10-30	S 46°08'32"	E 21.07
10-31	N 71°54'48"	E 45.11	10-31	N 71°54'48"	E 45.11
10-32	N 49°04'08"	E 24.97	10-32	N 49°04'08"	E 24.97
10-33	S 81°37'43"	E 30.03	10-33	S 81°37'43"	E 30.03
10-34	S 68°58'28"	E 18.34	10-34	S 68°58'28"	E 18.34
10-35	N 56°01'19"	E 43.11	10-35	N 56°01'19"	E 43.11
10-36	S 61°08'09"	E 21.40	10-36	S 61°08'09"	E 21.40
10-37	S 63°34'03"	E 15.97	10-37	S 63°34'03"	E 15.97
10-38	S 17°42'22"	E 19.87	10-38	S 17°42'22"	E 19.87
10-39	S 73°57'44"	E 23.23	10-39	S 73°57'44"	E 23.23
10-40	N 78°29'16"	E 19.19	10-40	N 78°29'16"	E 19.19
10-41	S 32°39'28"	E 16.95	10-41	S 32°39'28"	E 16.95
10-42	N 17°44'48"	E 18.34	10-42	N 17°44'48"	E 18.34
10-43	N 73°58'24"	E 17.88	10-43	N 73°58'24"	E 17.88
10-44	S 80°58'08"	E 15.33	10-44	S 80°58'08"	E 15.33
10-45	S 74°47'48"	E 12.50	10-45	S 74°47'48"	E 12.50
10-46	S 89°42'50"	E 15.26	10-46	S 89°42'50"	E 15.26
10-47	S 77°18'22"	E 17.92	10-47	S 77°18'22"	E 17.92
10-48	S 59°20'14"	E 20.72	10-48	S 59°20'14"	E 20.72
10-49	S 54°04'37"	E 14.18	10-49	S 54°04'37"	E 14.18
10-50	S 69°11'28"	E 18.36	10-50	S 69°11'28"	E 18.36
10-51	N 72°41'17"	E 19.00	10-51	N 72°41'17"	E 19.00
10-52	N 14°47'29"	W 9.94	10-52	N 14°47'29"	W 9.94
10-53	N 10°47'08"	E 10.37	10-53	N 10°47'08"	E 10.37
10-54	N 49°04'04"	E 18.89	10-54	N 49°04'04"	E 18.89
10-55	S 85°34'32"	E 9.33	10-55	S 85°34'32"	E 9.33
10-56	S 15°56'33"	E 10.18	10-56	S 15°56'33"	E 10.18
10-57	S 13°22'21"	E 4.79	10-57	S 13°22'21"	E 4.79
10-58	S 59°14'29"	E 5.32	10-58	S 59°14'29"	E 5.32
10-59	S 44°42'20"	E 115.95	10-59	S 44°42'20"	E 115.95
10-60	S 28°09'10"	W 20.71	10-60	S 28°09'10"	W 20.71

164 PROFESSIONAL DRIVE
BALDWIN, GA 30511
PHONE: (706) 778-0067
WWW.FOOTHILLSLD.COM

HABERSHAM COUNTY DEVELOPMENT AUTHORITY
555 MONROE ST. UNIT 20
CLARKESVILLE, GA 30623
Ph: 706-838-0210

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

OWNER/DEVELOPER:
HABERSHAM COUNTY DEVELOPMENT AUTHORITY

SITE PLAN

REVISIONS:

NO.	DESCRIPTION	DATE
1	REVISED SCOPE & PER CITY OF BALDWIN	6-30-23





DATE: MAY 9, 2023

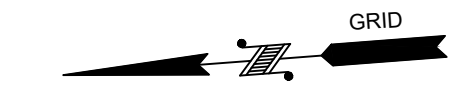
SCALE: 1" = 50'

SHEET: C2

JOB # 23027

LEGEND

-  PROPOSED SURFACE WATER FLOW
-  PROPOSED CONTOUR
-  EXISTING CONTOUR
-  PROPOSED SPOT ELEVATION



1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. IF A SOILS REPORT IS AVAILABLE THEN RECOMMENDATIONS SET FORTH 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 CONSTRUCTION MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT AND PLANS, ETC.
2. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THE LOCAL GOVERNING AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM.
3. STORM DRAIN PIPES WILL BE CLASS III REINFORCED CONCRETE PIPE (RCP), TYPE II ALUMINIZED CORRUGATED METAL PIPE (AT2 CSP) OR HDPE. HDPE SHALL BE ADS N-12, HANCOR H-12, OR SOUTHEAST CULVERT NFLOW. PIPE BEDDING TO BE TO 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, 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.
4. NO ADDITIONAL CONSTRUCTION OR IMPROVEMENTS BUT NOT LIMITED TO WALLS, SIGNS, FENCES, SPRINKLER SYSTEM, LIGHTS, ETC. WILL BE ALLOWED WITHIN THE ROAD RIGHT-OF-WAY.
5. ALL TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
6. SAWCUT ALONG EDGE OF EXISTING PAVEMENT TO PROVIDE JOINT UNIFORMITY PRIOR TO PLACEMENT OF PROPOSED PAVEMENT.
7. STORMWATER/ DETENTION POND, OUTLET CONTROL STRUCTURES, AND TEMPORARY SEDIMENT BASIN FEATURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING NOT ASSOCIATED WITH THESE FACILITIES.
8. DEVELOPER IS TO CLEAN OUT ACCUMULATED SEDIMENT IN STORMWATER DETENTION POND AT END OF CONSTRUCTION ONCE DISTURBED AREAS HAVE BEEN STABILIZED.
9. ALL RCP PIPE JOINTS SHALL BE BELL AND SPIGOT TYPES WITH A RUBBER GASKET CONFORMING TO ASTM C-443. THE PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH AASHTO M-170 AND/ OR ASTM C-76. CLASS OF PIPE AND WALL THICKNESS SHALL BE IN ACCORDANCE WITH 1030-D, GEORGIA DOT SPECIFICATION, TABLE NO. 1. INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 550 OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS CONSTRUCTION OF TRANSPORTATION SYSTEMS, LATEST EDITION.
10. NO OBSTRUCTIONS SHALL BE BUILT, CONSTRUCTED OR PLANTED WITHIN THE STORMWATER MANAGEMENT FACILITY, OR ITS ASSOCIATED DRAINAGE OR ACCESS EASEMENTS.
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 THE MAPS.
12. CITY OF BALDWIN ASSUMES NO RESPONSIBILITY FOR OVERFLOW OR EROSION OF NATURAL OR ARTIFICIAL DRAINS BEYOND THE EXTENT OF THE STREET RIGHT-OF-WAY.
13. THE SOURCE OF EXISTING TOPOGRAPHY IS FROM A MERGE WITH AS-BUILT TOPOGRAPHY FOR HABERSHAM COUNTY DEVELOPMENT AUTHORITY FROM LOVELL 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 PRIOR TO CONSTRUCTION.
14. LOCATION OF STUMPS, MATERIALS, DEBRIS TO BE BURIED ONSITE ON THE PLANS. IF THE DEBRIS IS TO BE HAULED OFFSITE, INCLUDE OFFSITE LOCATION. MUST MEET GA DNR CODE 391-3-3.06
15. NO OBSTRUCTIONS SHALL BE BUILT, CONSTRUCTED, OR PLANTED WITHIN THE STORMWATER MANAGEMENT FACILITY EASEMENT, ITS ASSOCIATED DRAINAGE OR ACCESS EASEMENTS.

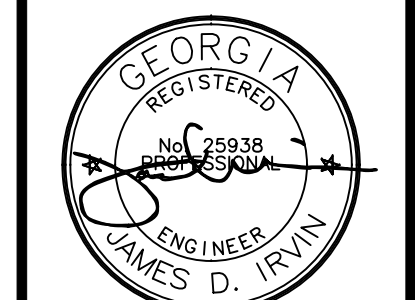
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161 PROFESSIONAL DRIVE
BALDWIN, GA 30511
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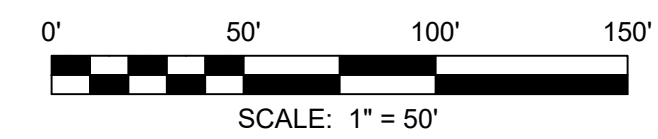
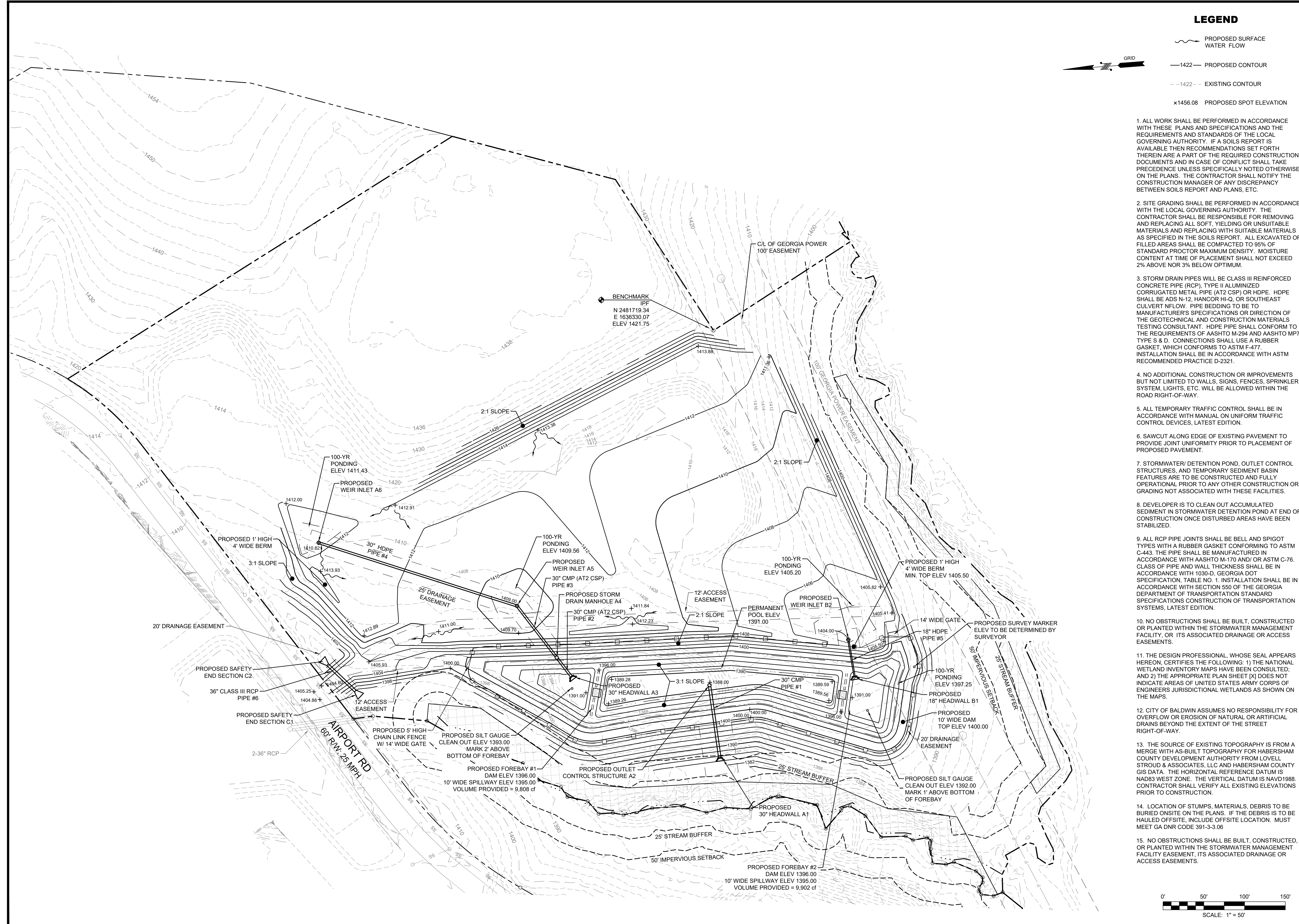
GRADING AND DRAINAGE PLAN
HABERSHAM INDUSTRIAL PARK LOT 10
LAND LOT 169, 10th DISTRICT
CITY OF BALDWIN
HABERSHAM COUNTY, GA

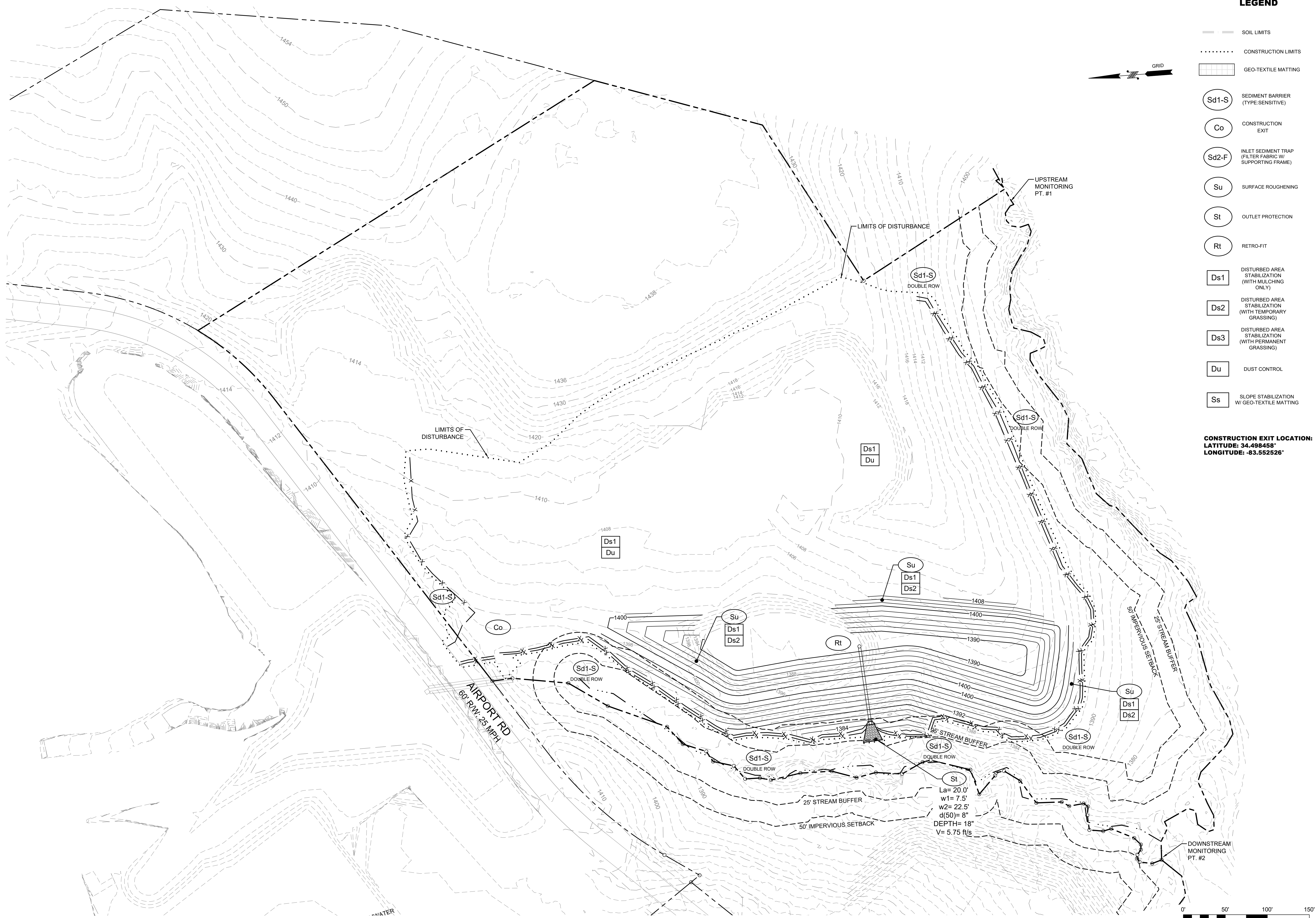
NO.	DESCRIPTION	DATE
1	REVISED SCOPE & PER CITY OF BALDWIN	6-30-23



GSWCC LEVEL II #9832
DATE: MAY 9, 2023

SCALE: 1" = 50'
SHEET:
C3
JOB # 23027

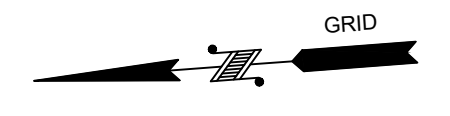




LEGEND

- SOIL LIMITS
- CONSTRUCTION LIMITS
- [Grid Pattern] GEO-TEXTILE MATTING
- (Sd1-S) SEDIMENT BARRIER (TYPE SENSITIVE)
- (Co) CONSTRUCTION EXIT
- (Sd2-F) INLET SEDIMENT TRAP (FILTER FABRIC W/ SUPPORTING FRAME)
- (Su) SURFACE ROUGHENING
- (St) OUTLET PROTECTION
- (Rt) RETRO-FIT
- [Ds1] DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- [Ds2] DISTURBED AREA STABILIZATION (WITH TEMPORARY GRASSING)
- [Ds3] DISTURBED AREA STABILIZATION (WITH PERMANENT GRASSING)
- [Du] DUST CONTROL
- [Ss] SLOPE STABILIZATION W/ GEO-TEXTILE MATTING

CONSTRUCTION EXIT LOCATION:
 LATITUDE: 34.498458°
 LONGITUDE: -83.552526°



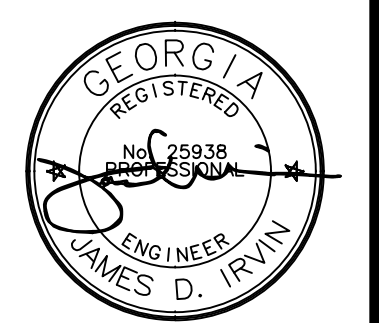
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 FAX: (706) 778-0069
 www.foothillsid.com

OWNER/DEVELOPER:
HABERSHAM COUNTY
DEVELOPMENT
AUTHORITY
 555 MONROE ST., UNIT 20
 CLARKESVILLE, GA 30523
 PH: 706-839-0210

PHASE I EROSION, SEDIMENT, & POLLUTION CONTROL PLAN
HABERSHAM INDUSTRIAL
PARK LOT 10
 LAND LOT 169, 10th DISTRICT
 CITY OF BALDWIN
 HABERSHAM COUNTY, GA

NO.	DESCRIPTION	DATE
1	REVISED SCOPE & PER CITY OF BALDWIN	6-30-23

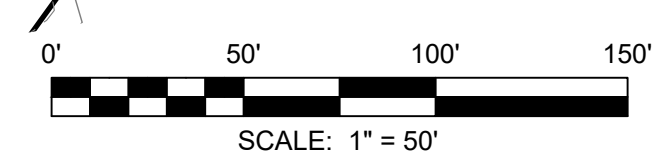


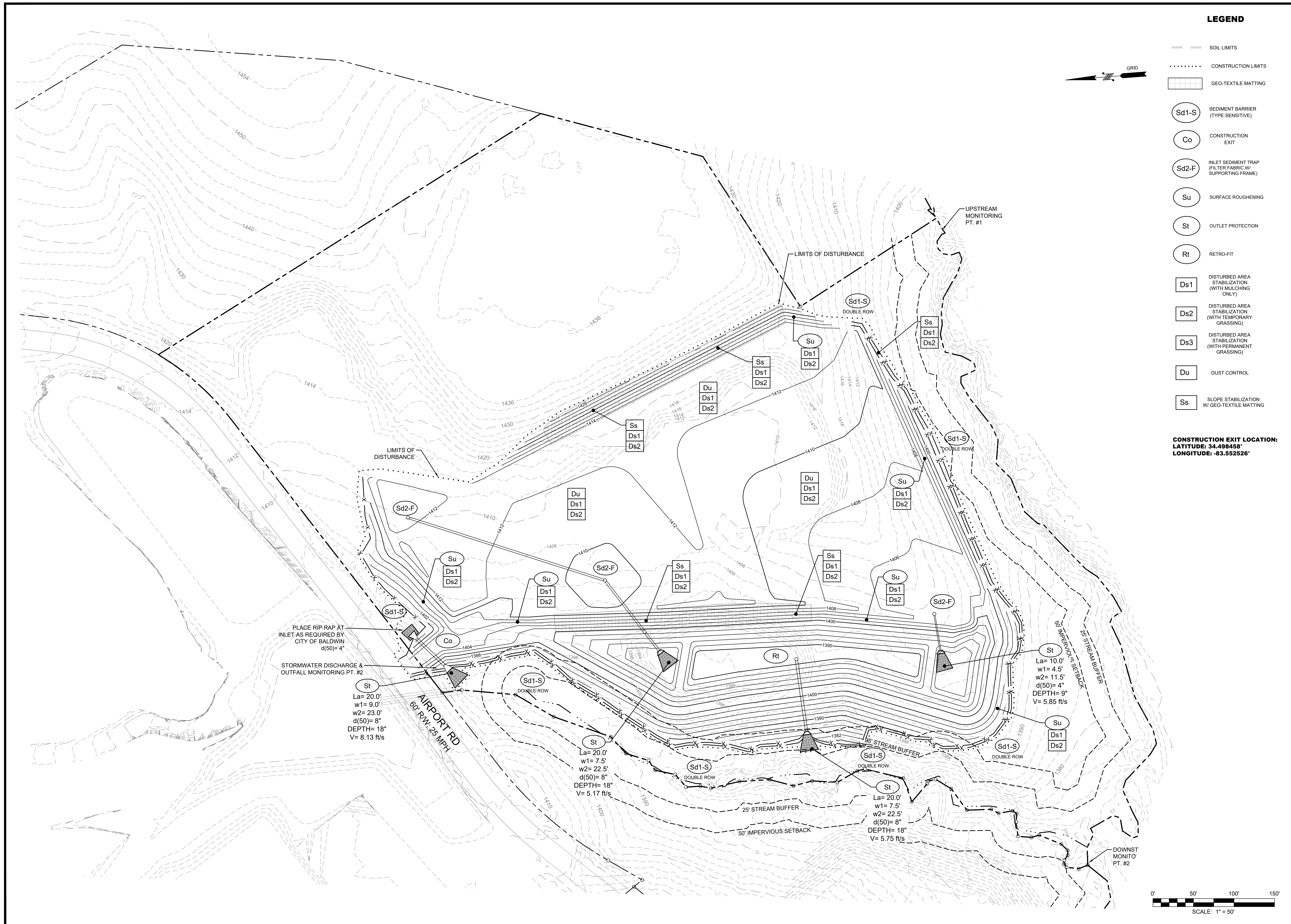
GSWCC LEVEL II #9832

DATE: MAY 9, 2023

SCALE: 1" = 50'

SHEET:
C4
 JOB # 23027





LEGEND

- SOIL LIMITS
- CONSTRUCTION LIMITS
- [Grid Pattern] GEO-TEXTILE MATTING
- (Sd1-S) SEDIMENT BARRIER (TYPE-SENSITIVE)
- (Co) CONSTRUCTION EXIT
- (Sd2-F) INLET SEDIMENT TRAP (FILTER FABRIC W/ SUPPORTING FRAME)
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- [Ds1] DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- [Ds2] DISTURBED AREA STABILIZATION (WITH TEMPORARY GRASSING)
- [Ds3] DISTURBED AREA STABILIZATION (WITH PERMANENT GRASSING)
- [Du] DUST CONTROL
- [Ss] SLOPE STABILIZATION W/ GEO-TEXTILE MATTING

CONSTRUCTION EXIT LOCATION:
 LATITUDE: 34.498458°
 LONGITUDE: -83.552526°

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 BALDWIN, GA 30511
 PHONE: (706) 775-0067
 FAX: (706) 775-0069
 www.foothillsland.com

OWNER/DEVELOPER:
HABERSHAM COUNTY DEVELOPMENT AUTHORITY
 555 MONROE ST. UNIT 20
 CLAYTON, GA 30523
 PH: 706-839-0210

PHASE 2 EROSION, SEDIMENT, & POLLUTION CONTROL PLAN

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

NO.	DESCRIPTION	DATE
1	REVISED SCOPE & PER CITY OF BALDWIN	6-30-23

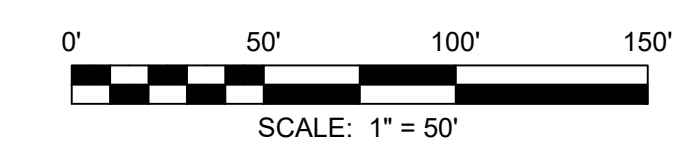
REGISTERED ENGINEER
 No. 28938
 JAMES D. IRVING

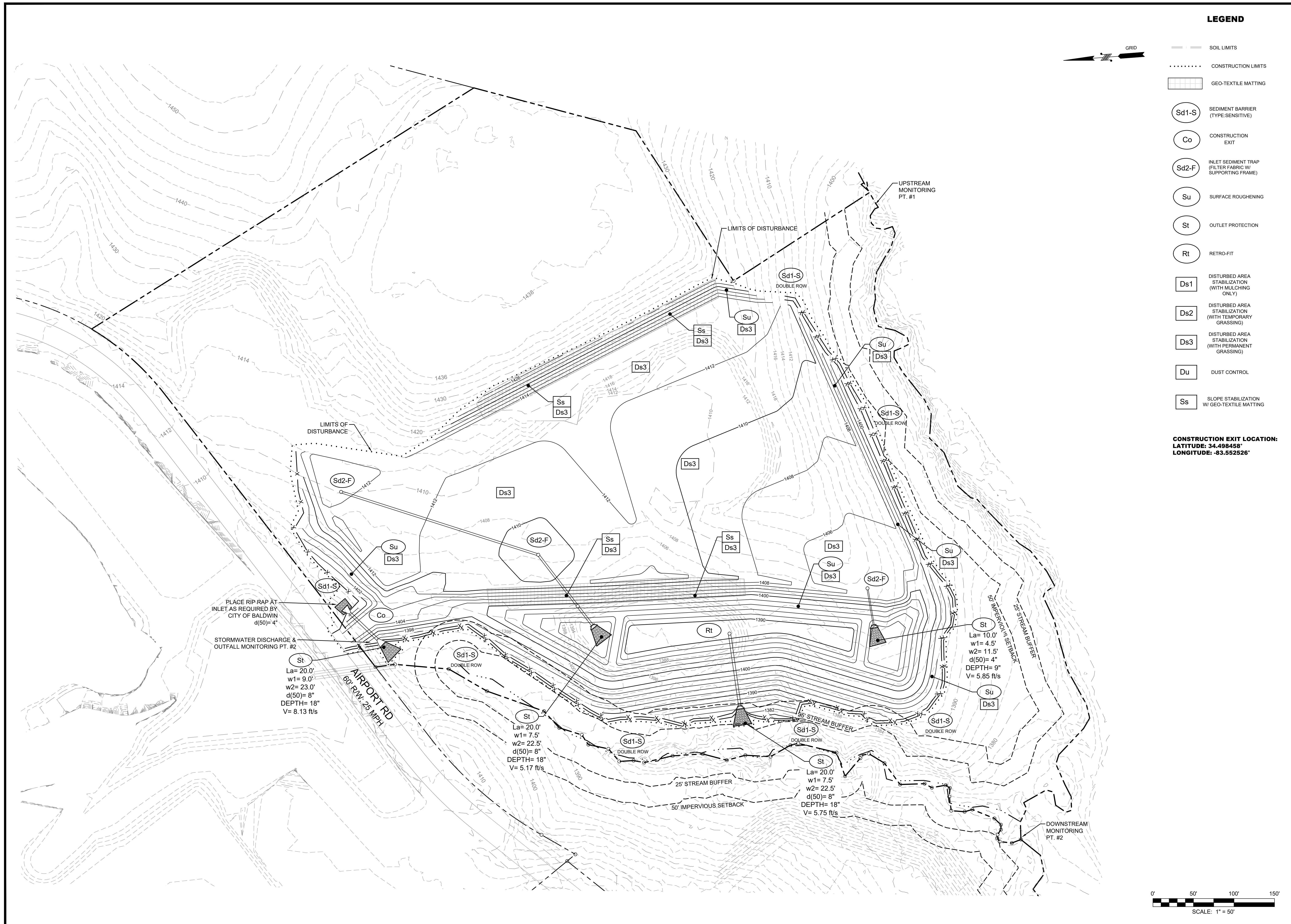
GSWCC LEVEL II #9832

DATE: MAY 9, 2023

SCALE: 1" = 50'

SHEET:
C5
 JOB # 23027

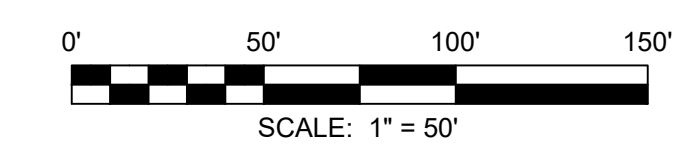
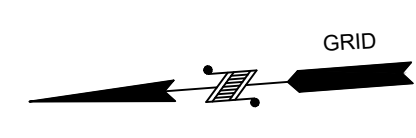




LEGEND

- SOIL LIMITS
- CONSTRUCTION LIMITS
- [Grid Pattern] GEO-TEXTILE MATTING
- (Sd1-S) SEDIMENT BARRIER (TYPE-SENSITIVE)
- (Co) CONSTRUCTION EXIT
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- [Ss] SLOPE STABILIZATION W/ GEO-TEXTILE MATTING

CONSTRUCTION EXIT LOCATION:
 LATITUDE: 34.498458°
 LONGITUDE: -83.552526°



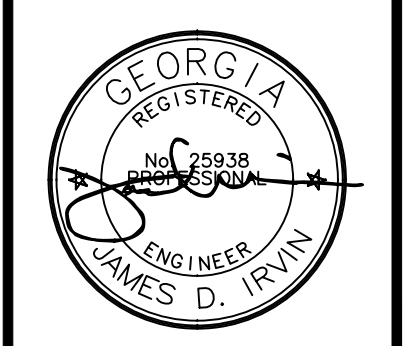
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OWNER/DEVELOPER:
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 AUTHORITY**
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 CLAYTON, GA 30523
 PH: 706-939-0210

PHASE 3 EROSION, SEDIMENT, & POLLUTION CONTROL PLAN
**HABERSHAM INDUSTRIAL
 PARK LOT 10**
 LAND LOT 169, 10th DISTRICT
 CITY OF BALDWIN
 HABERSHAM COUNTY, GA

NO.	DESCRIPTION	DATE
1	REVISED SCOPE & PER CITY OF BALDWIN	6-30-23



GSWCC LEVEL II #9832
 DATE: MAY 9, 2023
 SCALE: 1" = 50'
 SHEET:
C6
 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
Email: mbeecham@habershamga.com

3. TOTAL SITE AREA: 14.46 ACRES
ESTIMATED DISTURBED AREA: 6.98 ACRES

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

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

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 WATERS 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."



GSWCC LEVEL II CERTIFICATION #: 9832

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 BMPS 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. BMPS 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.

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

FOR SPILLS OF AN UNKNOWN AMOUNT, THE NRC WILL BE ONCTACTED 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 AGENCIES WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

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

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

19. PRACTICES USED TO REDUCE POLLUTANTS IN STORMWATER DISCHARGES:
- PETROLEUM BASED PRODUCTS:
CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL STATE REGULATIONS.
- PAINTS/FINISHES/SOLVENTS:
ALL PRODUCTS WILL BE STOWED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
- FERTILIZER/HERBICIDES:
THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.
- BUILDING MATERIALS:
NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

20. INSPECTION REQUIREMENTS
PRIMARY AND TERTIARY PERMITTEES
INSPECTIONS MADE BY QUALIFIED PERSONNEL ONLY
DAILY INSPECTIONS:
- AREAS WHERE PETROLEUM PRODUCTS ARE STORED, USED OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT.
- VEHICLES ENTRANCES AND EXITS FOR OFF-SITE TRACKING.
- DAILY RAINFALL.
WEEKLY AND WITHIN 24 HOURS OF EACH RAINFALL > 0.5":
- DISTURBED AREAS NOT YET FINALLY STABILIZED.
- AREAS USED FOR STORAGE OF MATERIALS.
- STRUCTURAL CONTROL MEASURES.
- DISCHARGE POINTS AS ACCESSIBLE TO DETERMINE IF POLLUTANTS ARE LEAVING SITE.
MONTHLY:
- 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 TRACE AMOUNTS OF MUD, DIRT OR ROCK. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPULAIN.

31. NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 50 FOOT BUFFER, AS MEASURED HORIZONTALLY FROM THE POINT WHERE THE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, ALONG THE BANKS OF ANY STATE WATERS CLASSIFIED AS "TROUT STREAMS" EXCEPT WHEN APPROVAL IS GRANTED BY THE DIRECTOR FOR ALTERNATE BUFFER REQUIREMENTS IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-6, OR WHERE A ROADWAY DRAINAGE STRUCTURE MUST, BE CONSTRUCTED; PROVIDED HOWEVER, THAT SMALL SPRINGS AND STREAMS CLASSIFIED AS "TROUT STREAMS" WHICH DISCHARGE AN AVERAGE ANNUAL FLOW OF 25 GALLONS PER MINUTE OR LESS SHALL HAVE A 25 FOOT BUFFER OR THEY MAY BE PIPED, AT THE DISCRETION OF THE PERMITTEE, PURSUANT TO THE TERMS OF A RULE PROVIDING FOR A GENERAL VARIANCE PROMULGATED BY THE BOARD OF NATURAL RESOURCES INCLUDING NOTIFICATION OF SUCH TO EPD AND THE LOCAL ISSUING AUTHORITY OF THE LOCATION AND EXTENT OF THE PIPING AND PRESCRIBED METHODOLOGY FOR MINIMIZING THE IMPACT OF SUCH PIPING AND FOR MEASURING THE VOLUME OF WATER DISCHARGED BY THE STREAM. ANY SUCH PIPE MUST STOP SHORT OF THE 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.

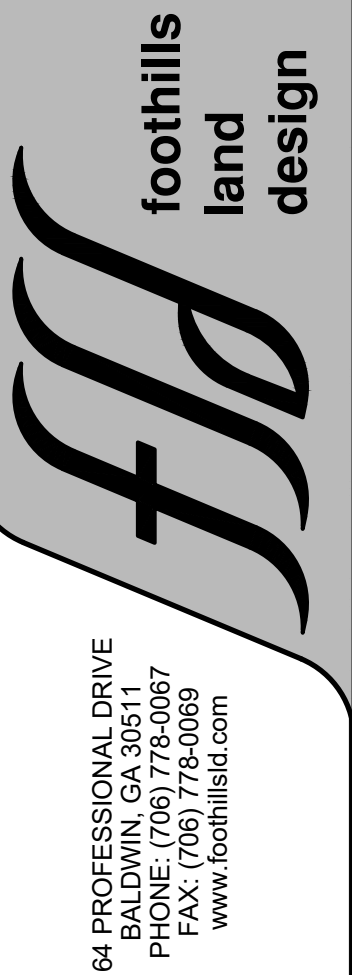
34. STUMPS AND CONSTRUCTION DEBRIS SHALL BE DEPOSITED IN A PROPERLY PERMITTED LANDFILL.

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.

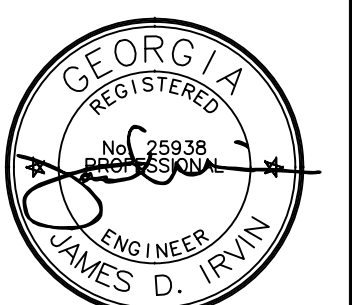
38. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT SHALL AT ALL TIMES BE THE RESPONSIBILITY OF THE PROPERTY OWNER.



OWNER/DEVELOPER:
HABERSHAM COUNTY DEVELOPMENT AUTHORITY
164 PROFESSIONAL DRIVE
BALDWIN, GA 30511
PHONE: (706) 778-0067
FAX: (706) 778-0069
www.foothillsid.com

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

NO.	DESCRIPTION	DATE
1	REVISED SCOPE & PER CITY OF BALDWIN	6-30-23



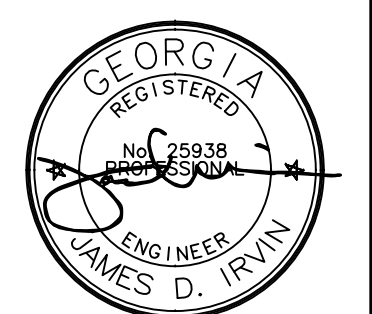
GSWCC LEVEL II #9832

DATE: MAY 9, 2023

SCALE: N/A

SHEET:
C7
JOB # 23027

NO.	DESCRIPTION	DATE
1	REVISED SCOPE & PER CITY OF BALDWIN	6-30-23

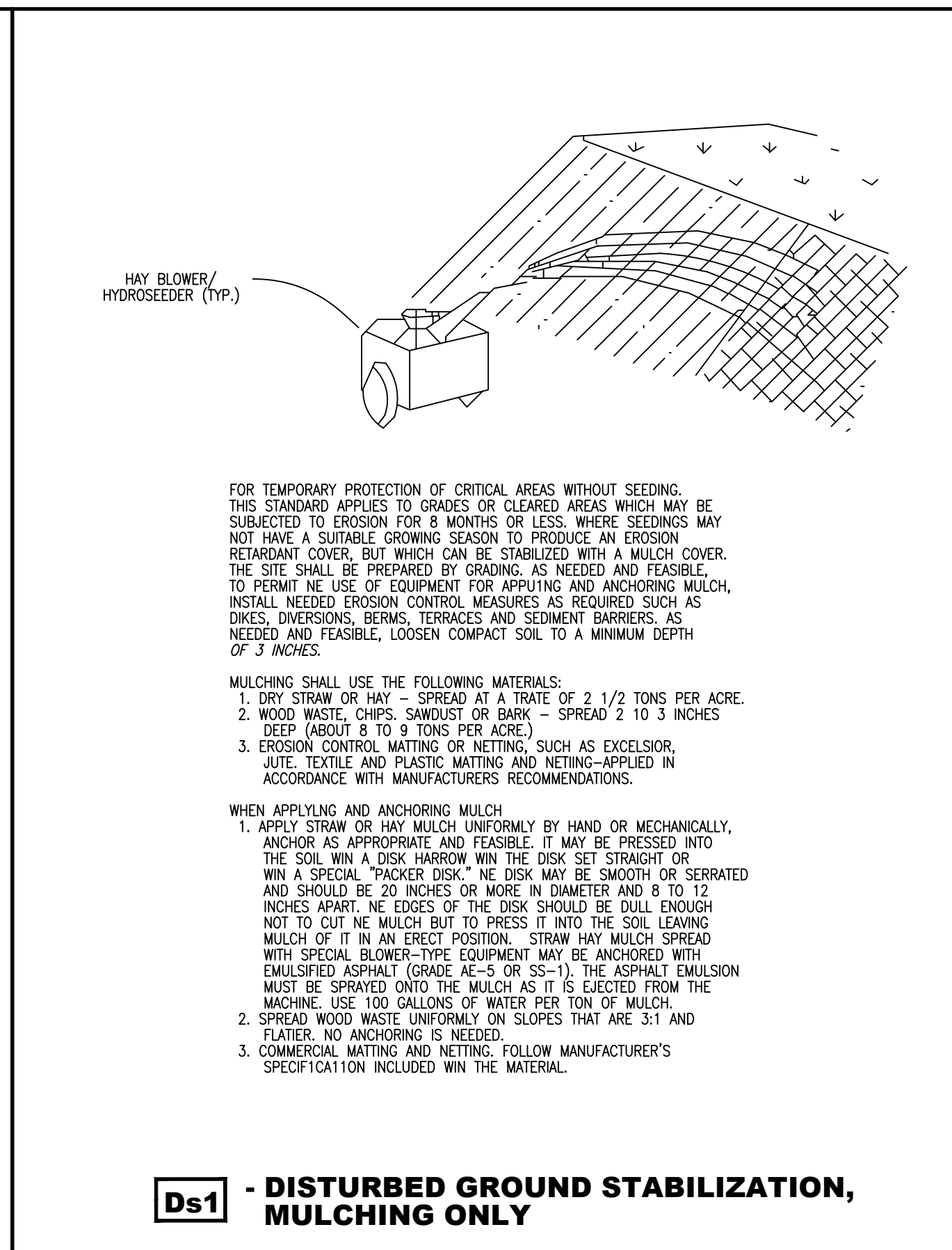
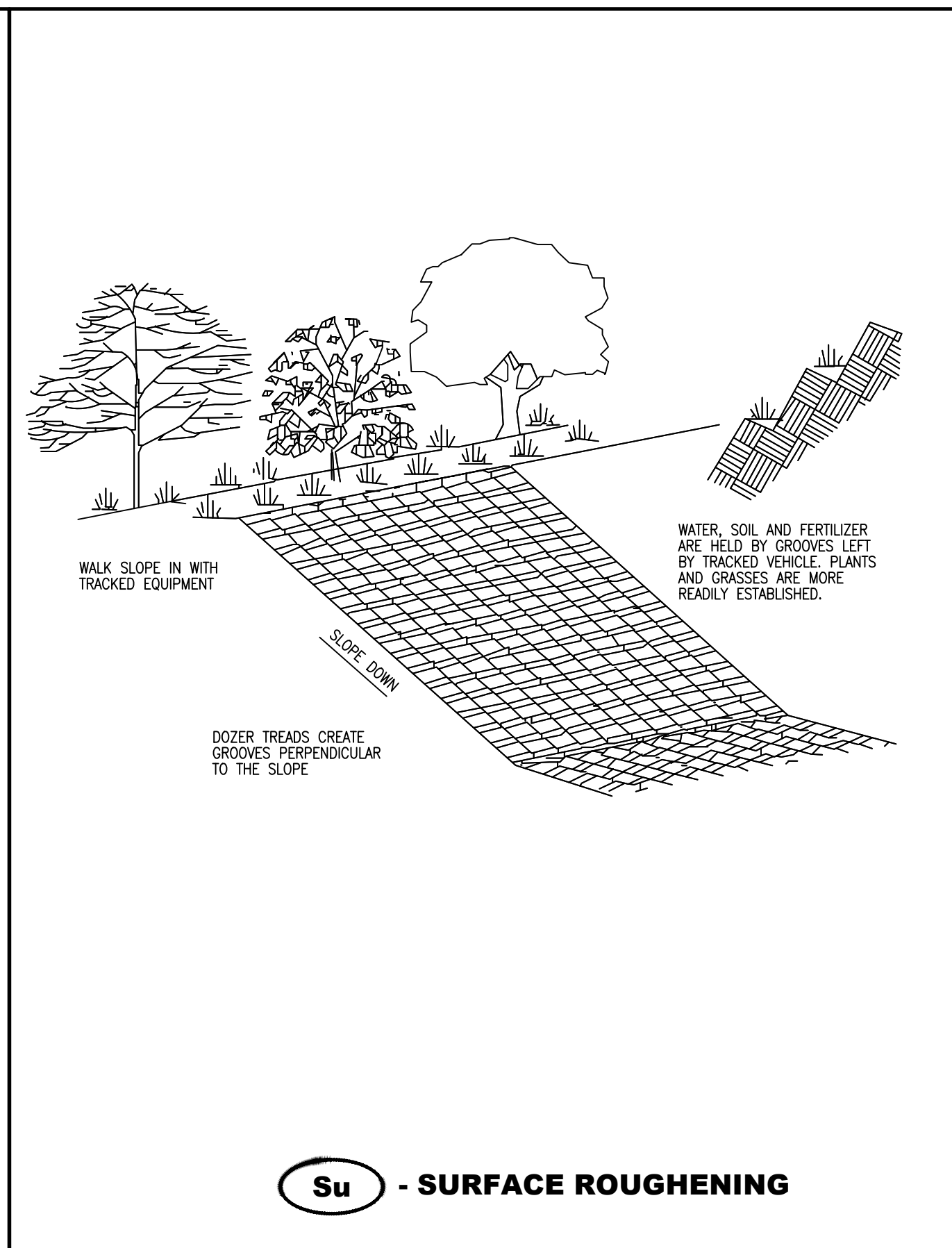
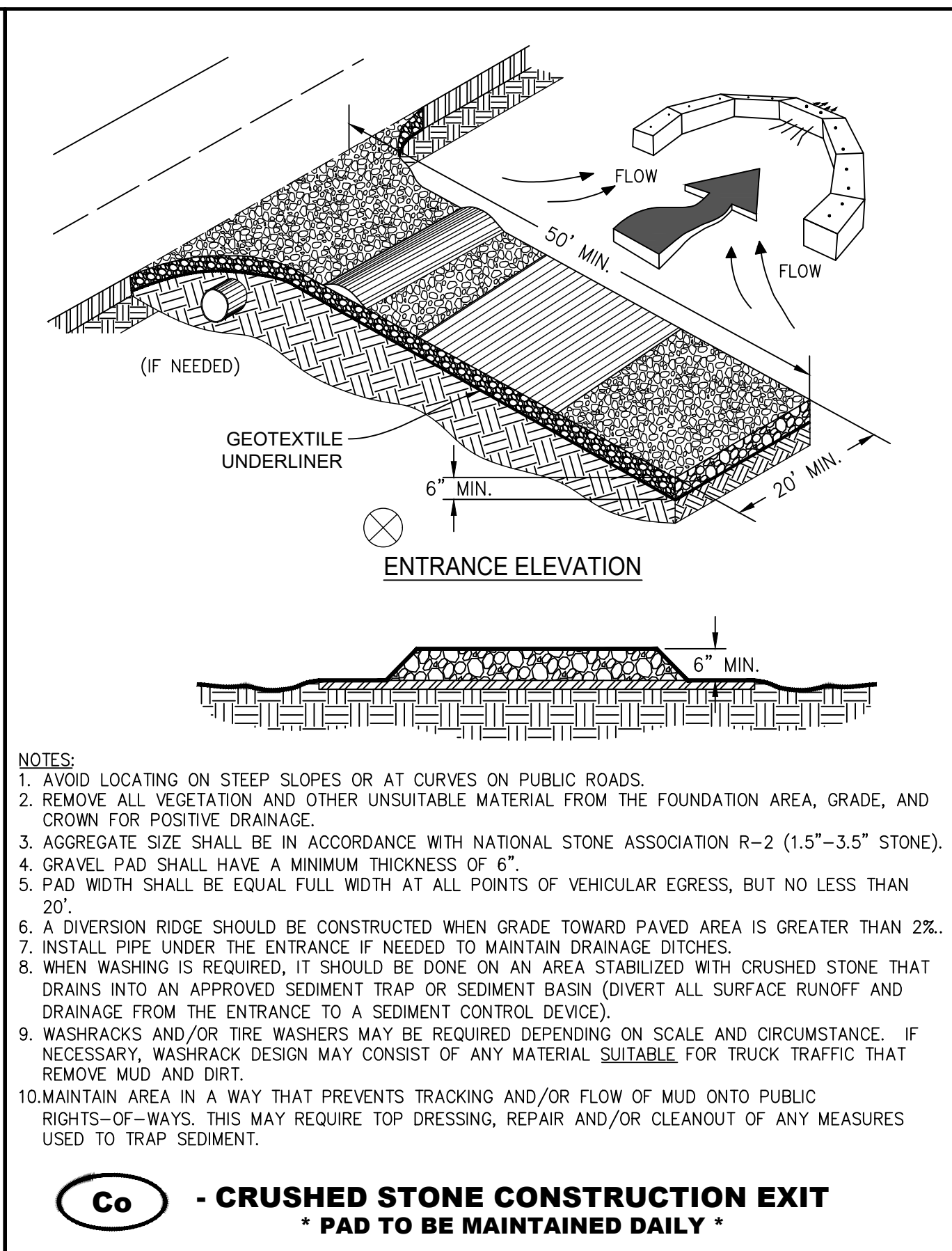
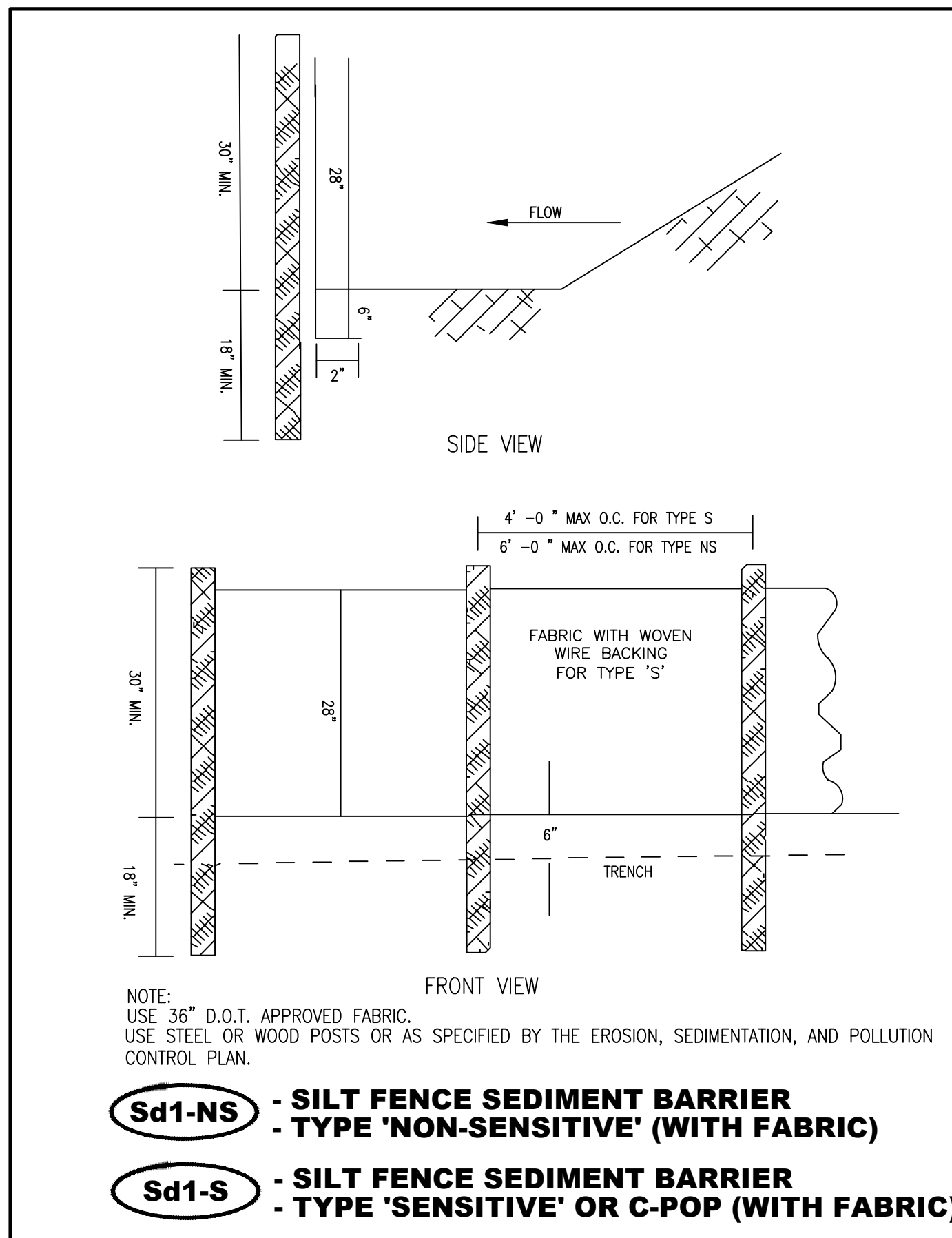


GSWCC LEVEL II #9832

DATE: MAY 9, 2023

SCALE: N/A

SHEET:
C9
JOB # 23027



RATES FOR TEMPORARY SEEDINGS				
SPECIES	RATE PER 1000 sq ft	RATE PER ACRE	PLANTING DATES	
			MOUNTAIN	PIEDMONT COASTAL
RYE	3 POUNDS	2-3 bu.	8/1-12/1 3/1-4/1	9/1-11/1 3/1-4/1
RYEGRASS	1 POUND	40-50 lbs.	8/1-12/1	8/15-1/1
RYE AND ANNUAL LESPEDEZA	1.5 POUNDS 0.5 POUNDS	1-5 bu. 20-25 lbs.	3/1-4/1 3/1-4/1	2/1-3/1 2/1-3/1
WEeping LOVEGRASS	0.2 POUNDS	4-6 lbs.	3/15-8/1	3/1-8/15
SUDANGRASS	1 POUND	35-45 lbs.	4/1-8/1	4/1-7/15
BROWN TOP MILLET	1 POUND	30-40 lbs.	4/1-7/1	4/1-7/15
WHEAT	3 POUNDS	2-3 bu.	10/1-12/1	10/15-1/1

DEFINITION:
ESTABLISHING TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDLINGS ON DISTURBED OR DENuded AREAS.

PURPOSE:
? TO REDUCE EROSION, SEDIMENT AND RUNOFF DAMAGES TO DOWNSTREAM RESOURCES.
? TO IMPROVE WILDLIFE HABITAT.
? TO IMPROVE AESTHETICS.
? TO IMPROVE SAFETY AND PUBLIC ROAD TIGHTNESS?
? TO IMPROVE TILTH AND ODD ORGANIC MATTER FOR PERMANENT PLANTINGS.

CONDITIONS:
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 ECONOMIC AND EFFECTIVE STABILIZATION.

SPECIFICATIONS:

A. GRADING AND SHAPING

- EXCESSIVE WATER RUNOFF MUST BE CONTROLLED BY PLANNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BASINS AND OTHERS.
- NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDING VEGETATION OR IF HYDRAULIC SEEDING EQUIPMENT IS TO BE USED.

B. SEEDBED PREPARATION

- WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED.
- WHEN USING CONVENTIONAL OR HAND-SEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL.
- WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH UNDISTURBED CUT SLOPES, THE SOIL SHALL BE PITTED, TRENCHED OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

C. LIME AND FERTILIZER

- ALL AREAS TO BE SEEDDED SHALL HAVE LIME APPLIED AT A RATE OF 2 TONS/ACRE.
- ON REASONABLY FERTILE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED.
- ON SOILS OF VERY LOW FERTILITY, USE 500 TO 700 POUNDS OF 10-20-10 FERTILIZER OR THE EQUIVALENT PER ACRE (12,216 LBS./1,000 SQ. FT.). IF THE SITE WILL PERMIT, APPLY BEFORE LIME PREPARATION AND DISK, RIP OR CHISEL TO INCORPORATE.

D. SEEDING

- SELECT A GRASS OR GRASS-LEGUME MIXTURE SUITABLE TO THE AREA AND SEASON OF THE YEAR (TABLE 6924.1, P. 1347136, FIGURE 6924.1, P. 87137).
- APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTRIPACKER-SEEDER, OR HYDRAULIC SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). DRILL OR CULTRIPACKER-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 TERM PROTECTION.
SEE D51 ? DISTURBED AREA STABILIZATION, (WITH MULCHING ONLY)

F. IRRIGATION
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 WHEN NEEDED.

ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDLINGS.

- LESS THAN OR EQUAL TO 12 MONTHS OR UNTIL ESTABLISHMENT OF FINISHED GRADE OR PERMANENT VEGETATION

SITE PREPARATION:

- GRADING AND SHAPING
- SEEDBED PREPARATION
- APPLY LIME AND FERTILIZER
- PLANT SEEDING. SELECT SPECIES BY SEASON AND REGION
- APPLY MULCHING MATERIAL IF NEEDED
- IRRIGATE IF NEEDED BUT NOT AT RATE TO CAUSE EROSION.

RATES FOR PERMANENT SEEDINGS				
SPECIES	RATE/ACRE	DATES	FERTILIZER	RATE/ACRE
SERICEA LESPEDEZA OR SWEET HAY WITH OVERSEEDING WEeping LOVEGRASS AND COMMON BERNUIDA UNHULLED W RYE GRASS	3 TONS/AC. 3-4 LBS/AC.	10/1-3/1	12-4-8 12-4-8	1500 lb. 1500 lb.
WEeping LOVEGRASS AND VIRGATA OR SERICEA LESPEDEZA (SCARIFIED)	10 LBS/AC. 15 LBS/AC.		12-4-8 12-4-8	1500 lb. 1500 lb.
WEeping LOVEGRASS AND VIRGATA OR SERICEA LESPEDEZA (SCARIFIED)	3-4 LBS/AC.	3/1-5/15	12-4-8	1500 lb.
COMMON BERNUIDA HULLED WHITE DUTCH CLOVER AND PENSACOLA BAHIA	4 LBS/AC. 6 LBS/AC. 50 LBS/AC.	4/1-6/15	12-4-8 12-4-8 12-4-8	1500 lb. 1500 lb. 1500 lb.
60% CRIMSON CLOVER (TRIFOLIUM incarnatum) & 40% KENTUCKY 31 FESCUE (FESTUCA arundinacea) OR KENTUCKY 31 FESCUE W RYE GRASS	10 LBS/1000 SF. 50 LBS/AC. 15 LBS/AC.	8/15-11/15	12-4-8 12-4-8 12-4-8	1500 lb. 1500 lb. 1500 lb.
STRAW MULCH	2.5 TONS/AC.	ANY TIME FOR TEMPORARY COVER		
AGRICULTURAL LIME	2 TONS/AC.	AFTER SOIL IS PULVERIZED		

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).

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

CONDITIONS:
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 GULLED AREAS WHERE VEGETATION IS DIFFICULT TO ESTABLISH BY USUAL PLANTING METHODS.

PLANNING CONSIDERATIONS:

- USE CONVENTIONAL PLANTING METHODS WHERE POSSIBLE.
- COMPANION CROPS AND IN GETTING PERMANENT COVER ESTABLISHED, ESPECIALLY WHEN MIXED PLANTINGS ARE DONE DURING MARGINAL PLANTING PERIODS.
- NO TILL PLANTING IS EFFECTIVE WHEN PLANTING IS DONE FOLLOWING A SUMMER OR WINTER ANNUAL COVER CROP. SERICEA LESPEDEZA PLANTED NOTTILL INTO STRIPS OF RYE IS AN EXCELLENT PROCEDURE.
- BLOCK SOD IS EFFECTIVE IN CONTROLLING EROSION ADJACENT TO CONCRETE FLOORS AND OTHER STRUCTURES.
- CONSIDER USING IRRIGATION ESPECIALLY WHEN LATE PLANTINGS ARE DONE.
- USE LOW MAINTENANCE PLANTS IN MOST CASES TO ENSURE LONG-LASTING EROSION CONTROL.
- MOWING SHOULD NOT BE PERFORMED DURING THE QUAL NESTING SEASON (SEPTEMBER TO APRIL).
- WILDLIFE PLANTINGS SHOULD BE INCLUDED IN CRITICAL AREA PLANTINGS.

ESTABLISHING A PERMANENT VEGETATIVE COVER ON A DISTURBED AREA APPLICABLE ON HIGHLY ERODIBLE OR SEVERELY ERODED AREAS, SOMETIMES CALLED 'CRITICAL AREAS', INCLUDING:

- CUT OR FILL SLOPES
- EARTH SPILLWAYS
- BORROW AREAS
- CHANNEL BANKS
- BURNS
- ROADSIDES
- SPOIL AREAS
- GULLED LANDS

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

NOTES:

- ALL AREAS TO BE SEEDDED 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.
- ALL AREAS SEEDDED 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).

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

CONDITIONS:
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 GULLED AREAS WHERE VEGETATION IS DIFFICULT TO ESTABLISH BY USUAL PLANTING METHODS.

PLANNING CONSIDERATIONS:

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Ds2 - DISTURBED GROUND STABILIZATION, TEMPORARY VEGETATION

Ds3 - DISTURBED GROUND STABILIZATION, PERMANENT VEGETATION

Dust Control on Disturbed Areas

Du



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.
*To reduce the presence of airborne substances that may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

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

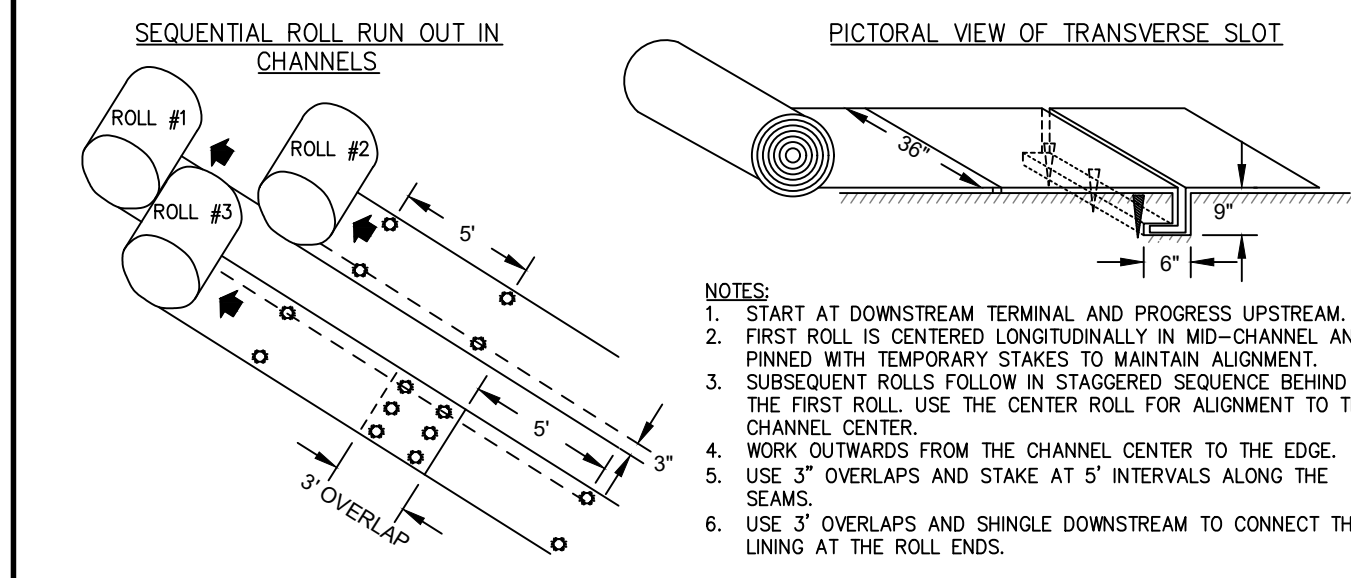
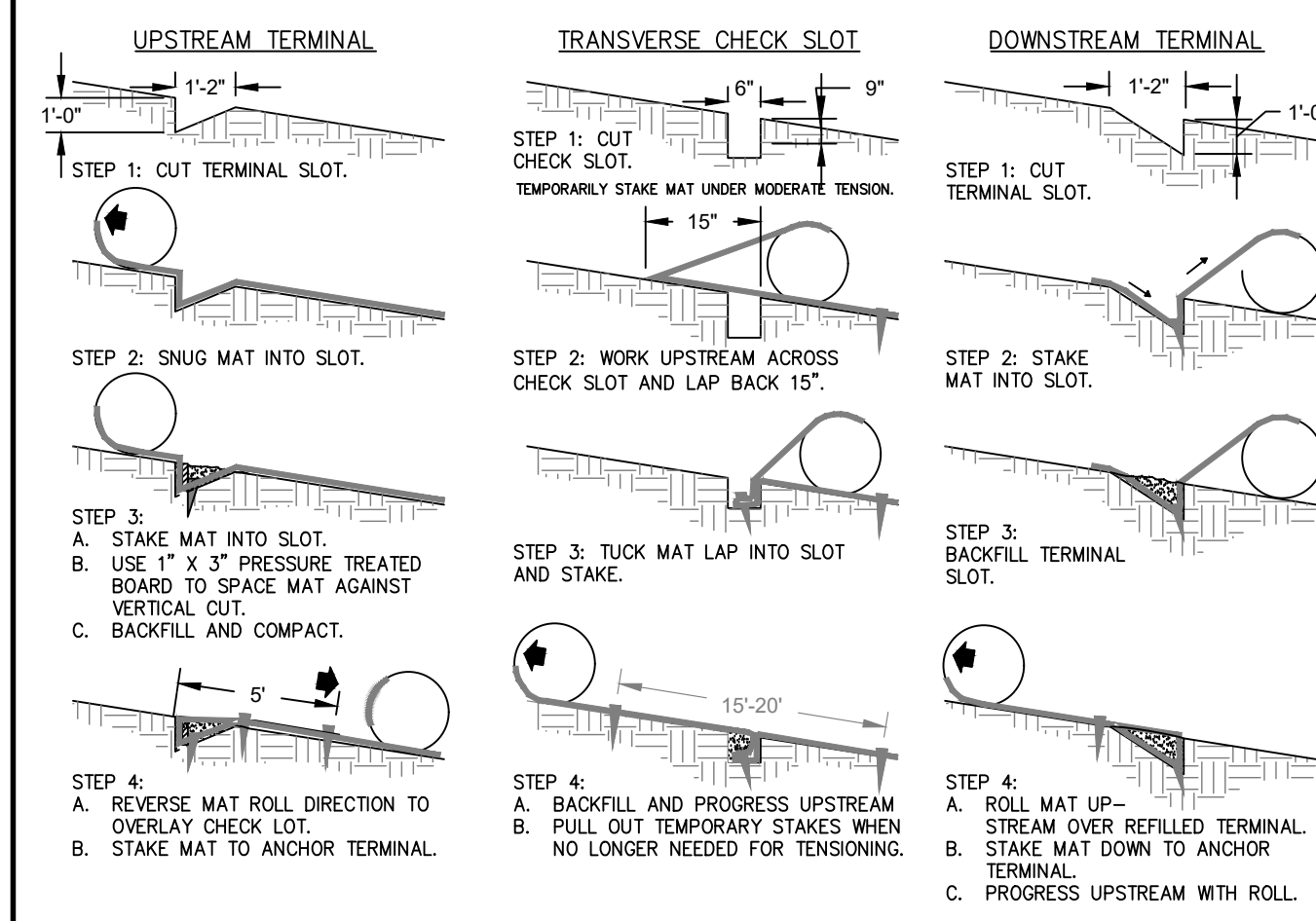
A. Temporary Methods
Mulches. See standard Ds1 - Disturbed Area Stabilization (With Mulching Only). Synthetic resins may be used instead of asphalt to bind mulch material. Refer to specification Tac - Tackifiers. Resins should be used according to manufacturer's recommendations.
Vegetative Cover. See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

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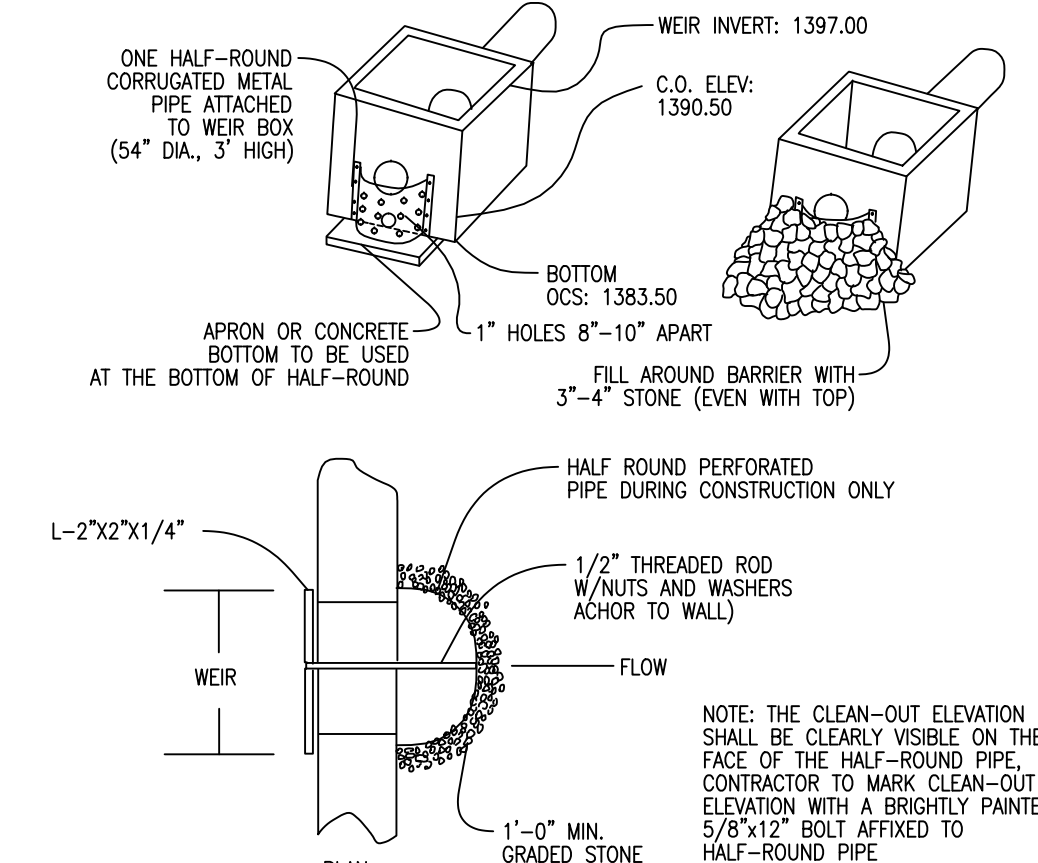
measure that should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment that may produce the desired effect.
Irrigation. This is generally done as an emergency treatment. 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.

6-55

BLANKET AND MATTING CROSS-SECTIONS



Ss - TYPICAL INSTALLATION GUIDELINES FOR MATTINGS AND BLANKETS

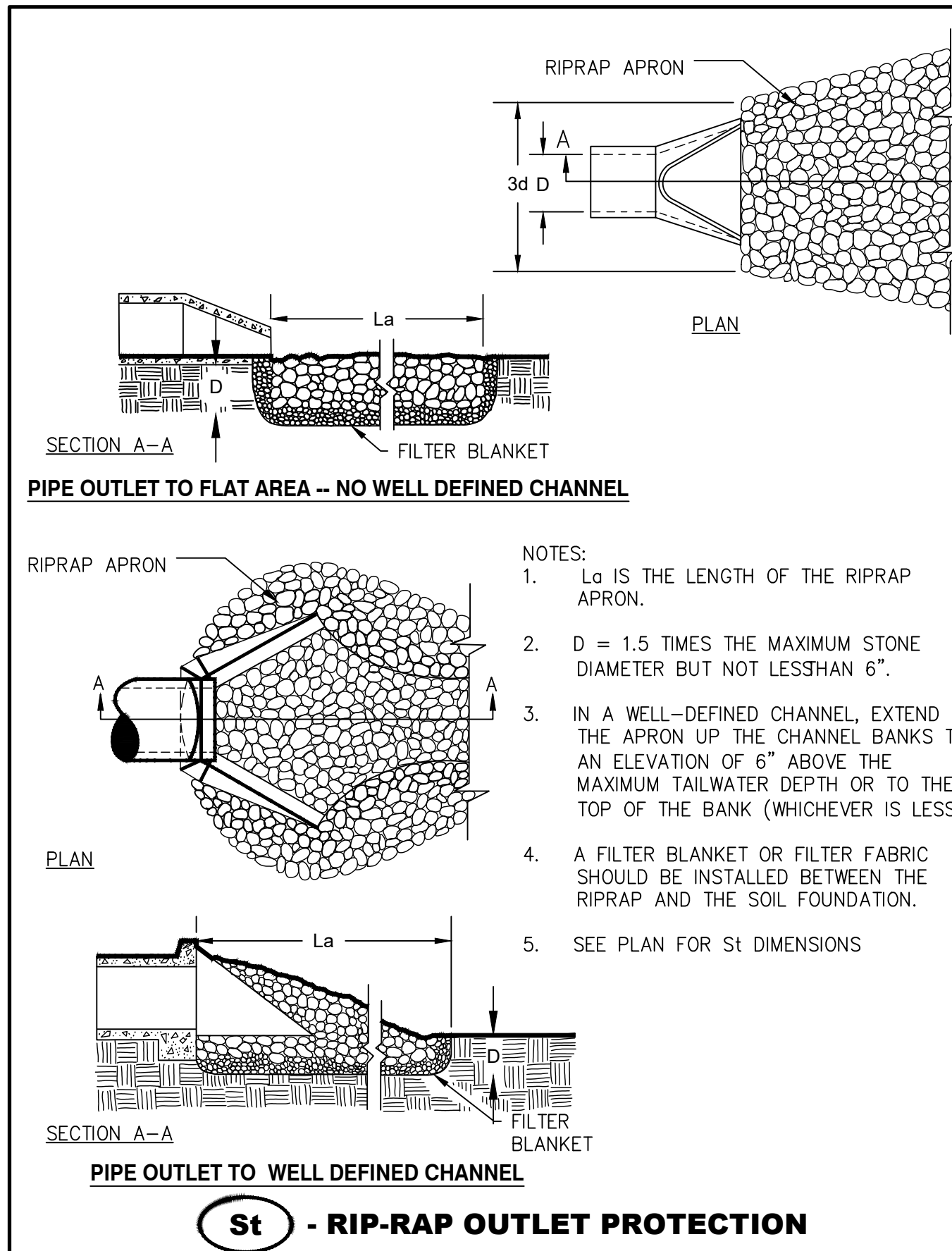


Project Name: HIP LOT 10
Basin No. #1
Storage Calculations:

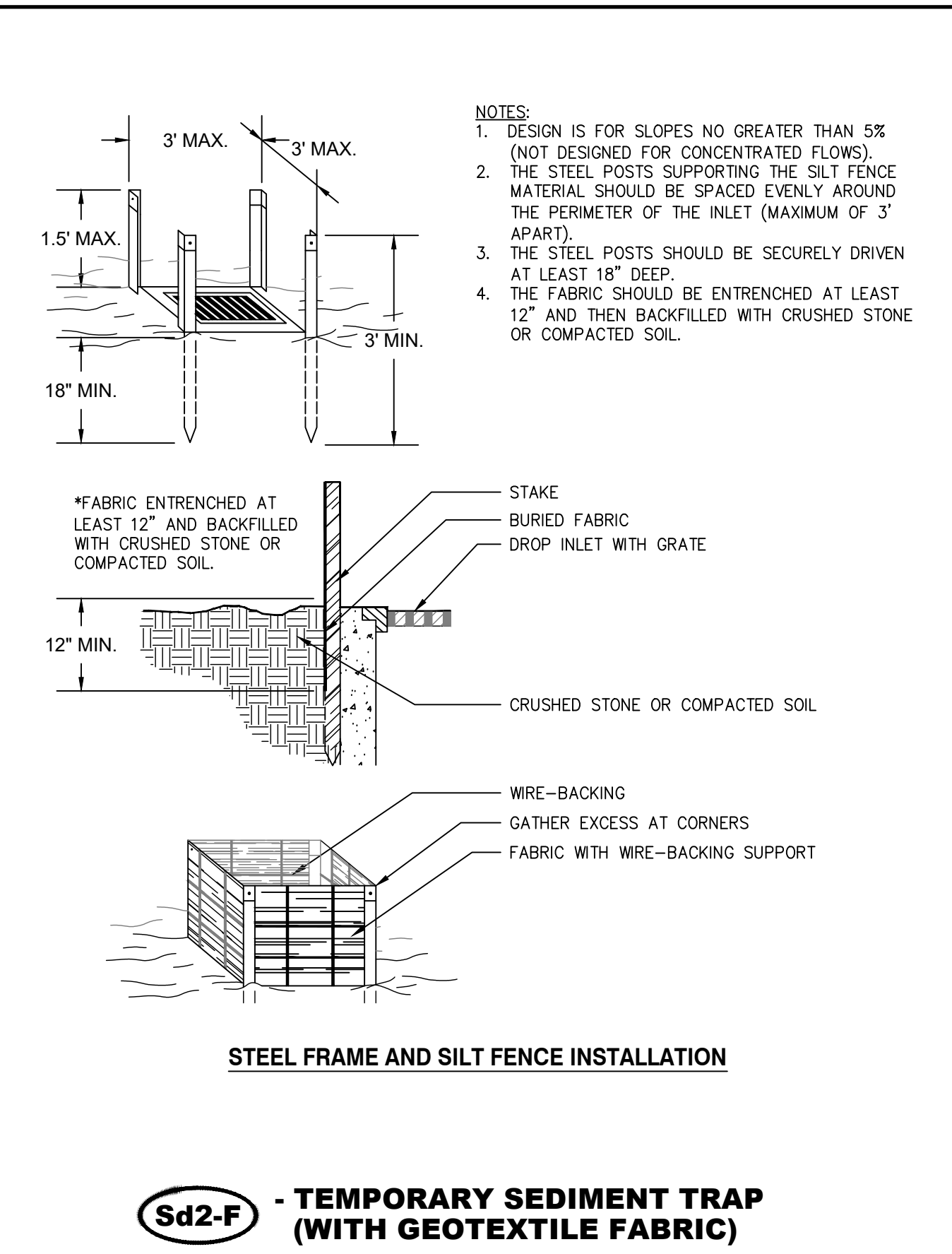
1. Required stormwater storage	=	4850.78 cy
2. Required sediment storage	=	649.23 cy
3. Total required storage (1) + (2) = (3)	=	5500.01 cy
4. Available Storage	=	9661.52 cy
5. Is the available storage greater than the total required storage?	XXX	YES
6. If "NO", the sediment storage capacity of the pond must be increased. Choose the method to be used:		
Raise the invert of the outlet structure in (L)*		
Undercut the pond (W)*		
Other		
7. Clean-out elevation	=	1389.50 ft
8. Is the length-width ratio 2:1 or greater?	XXX	YES
9. If "NO", the length of flow must be increased. Choose the method to be used:		
Baffles	Type:	plywood
Other		

Note: the CMP diameter and height if a half-round CMP retrofit is used.
Diameter = 30 in Height = 5 ft

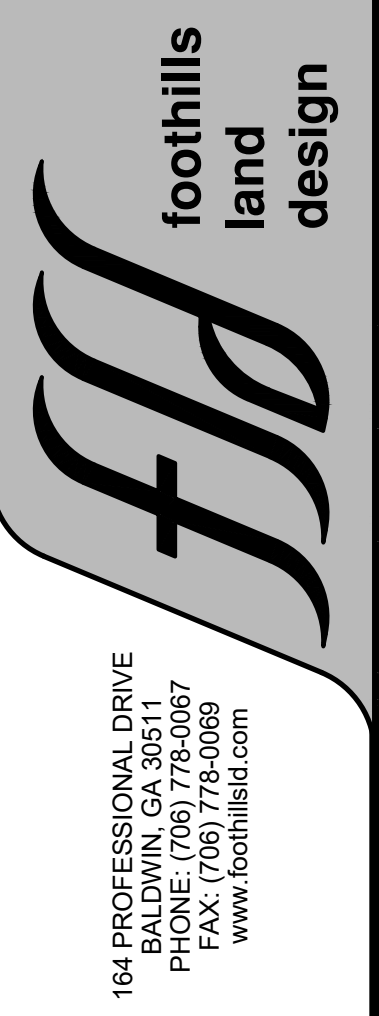
Rt - PERFORATED HALF-ROUND PIPE WITH STONE FILTER



St - RIP-RAP OUTLET PROTECTION



Sd2-F - TEMPORARY SEDIMENT TRAP (WITH GEOTEXTILE FABRIC)

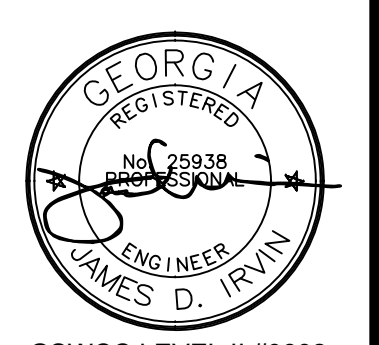


OWNER/DEVELOPER:
HABERSHAM COUNTY DEVELOPMENT AUTHORITY
161 PROFESSIONAL DRIVE
BALDWIN, GA 30511
PHONE: (706) 778-0087
FAX: (706) 778-0069
www.foothillsland.com

HABERSHAM INDUSTRIAL PARK LOT 10
LAND LOT 169, 10th DISTRICT
CITY OF BALDWIN
HABERSHAM COUNTY, GA
PH: 706-839-0210

EROSION CONTROL DETAILS

NO.	DESCRIPTION	DATE
1	REVISED SCOPE & PER CITY OF BALDWIN	6-30-23

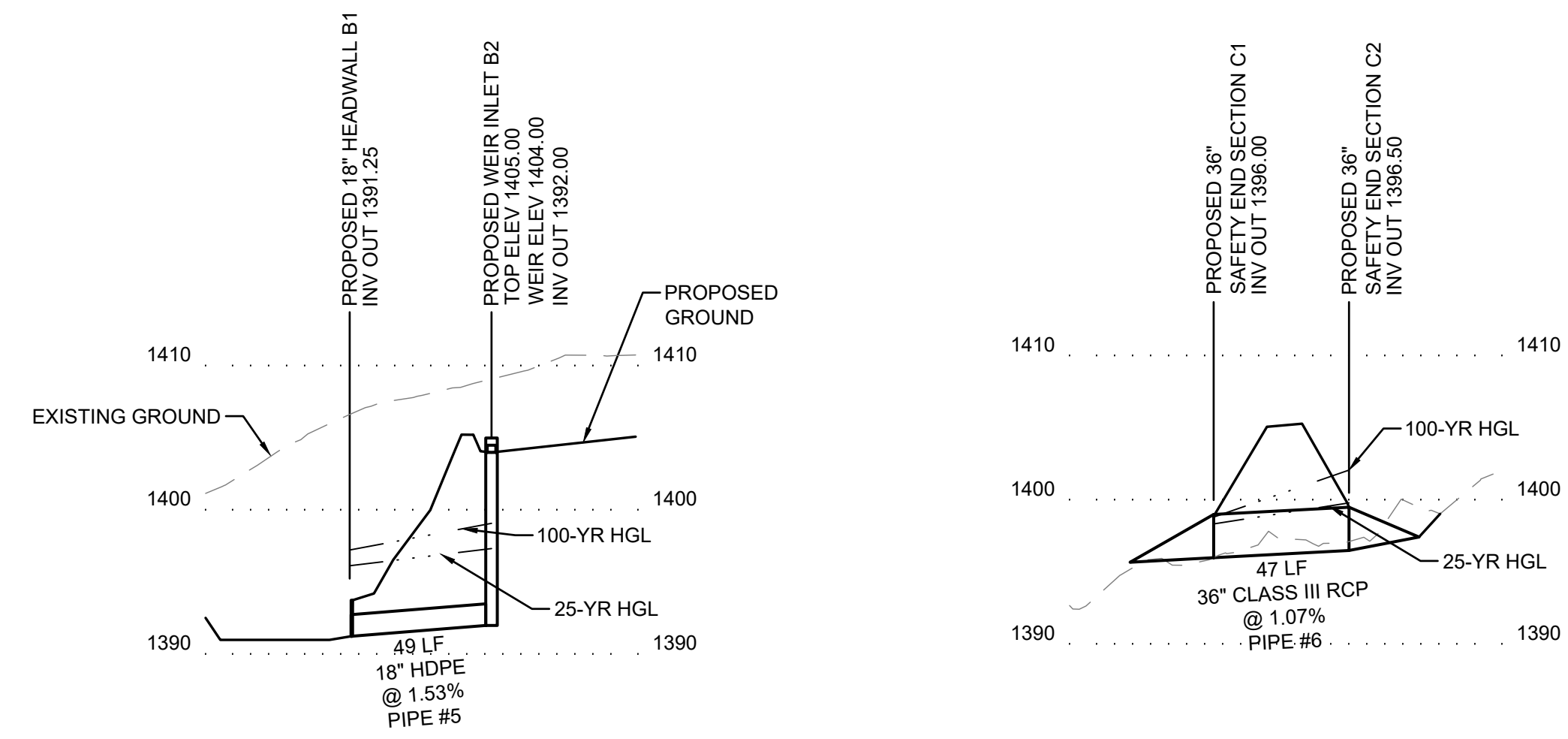
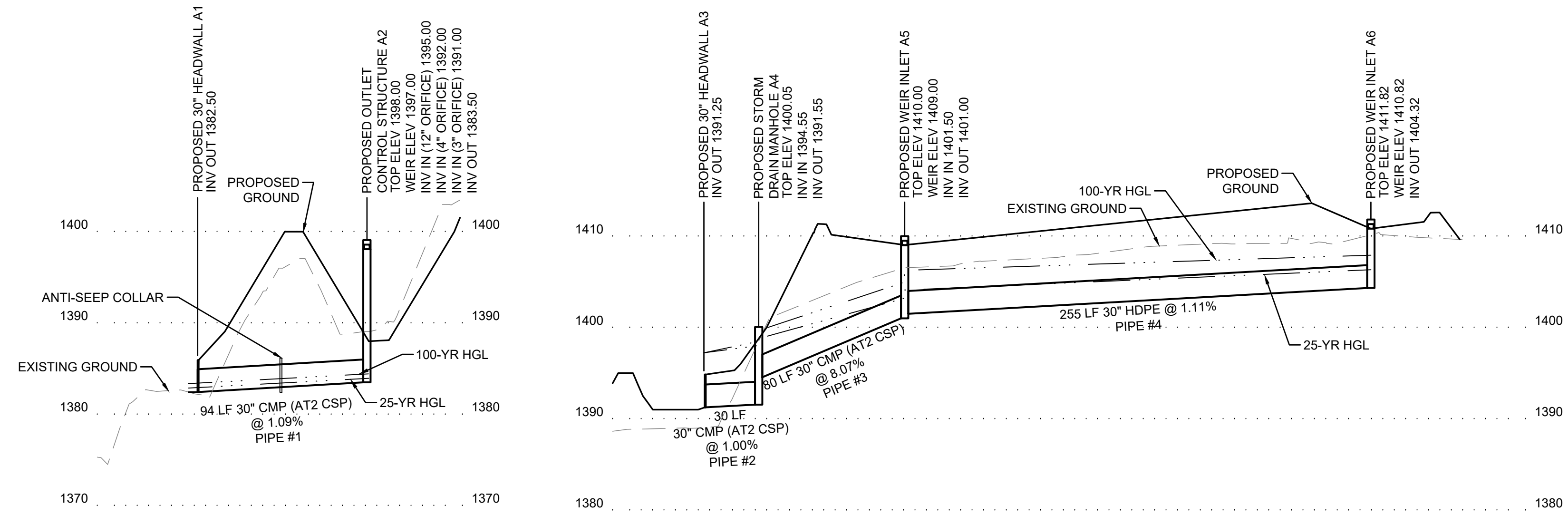


GSWCC LEVEL II #9832

DATE: MAY 9, 2023

SCALE: N/A

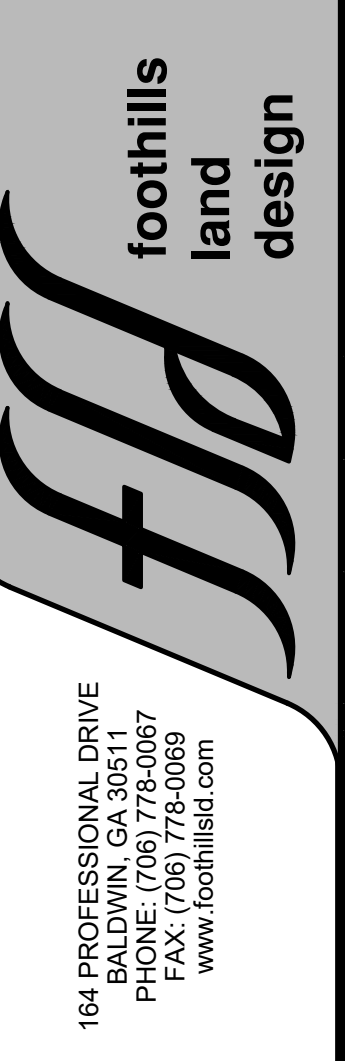
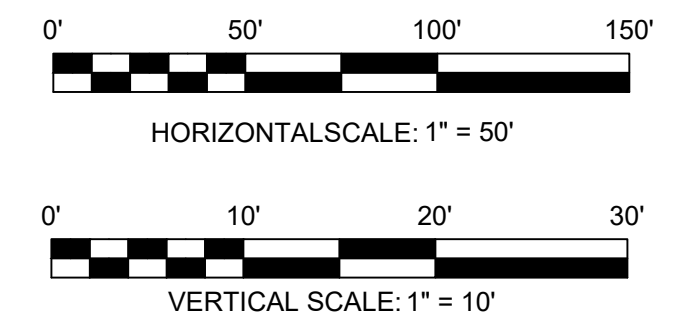
SHEET:
C10
JOB # 23027



- NOTES:
- GRATES WITH BARS SHALL BE PERPENDICULAR TO ROAD.
 - THE THROAT OF THE CURB INLETS SHALL NOT EXCEED 8 INCHES.
 - HDPE PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-294 AND AASHTO M-77. 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.

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



161 PROFESSIONAL DRIVE
 BOWLING GREEN, GA 30305
 PHONE: (706) 778-0067
 FAX: (706) 778-0069
 www.foothillsid.com

OWNER/DEVELOPER:
**HABERSHAM COUNTY
 AUTHORITY**
 555 MONROE ST., UNIT 20
 CLARKESVILLE, GA 30523
 Ph: 706-839-0210

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

NO.	DESCRIPTION	DATE
1	REVISED SCOPE & PER CITY OF BALDWIN	6-30-23

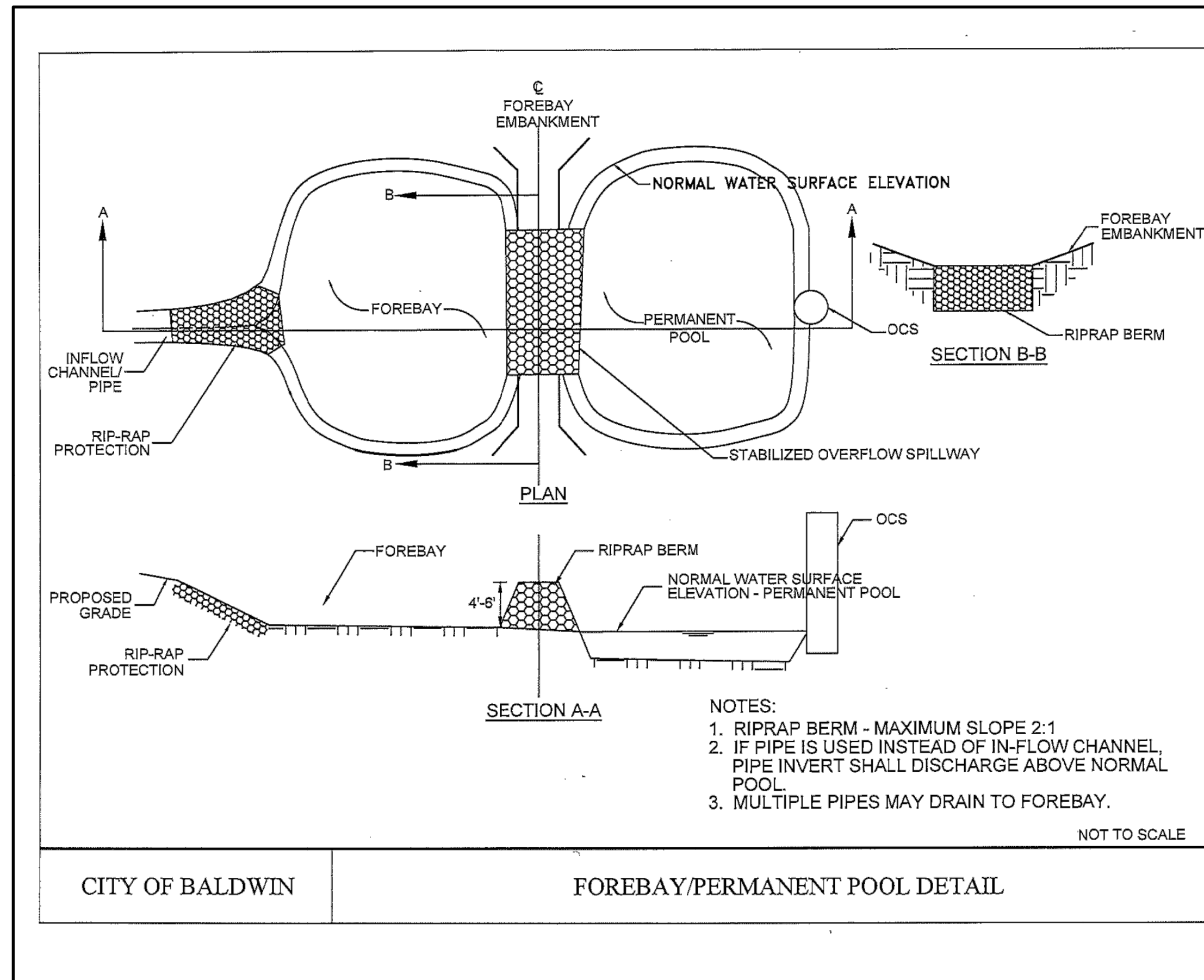


GSWCC LEVEL II #9832

DATE: MAY 9, 2023

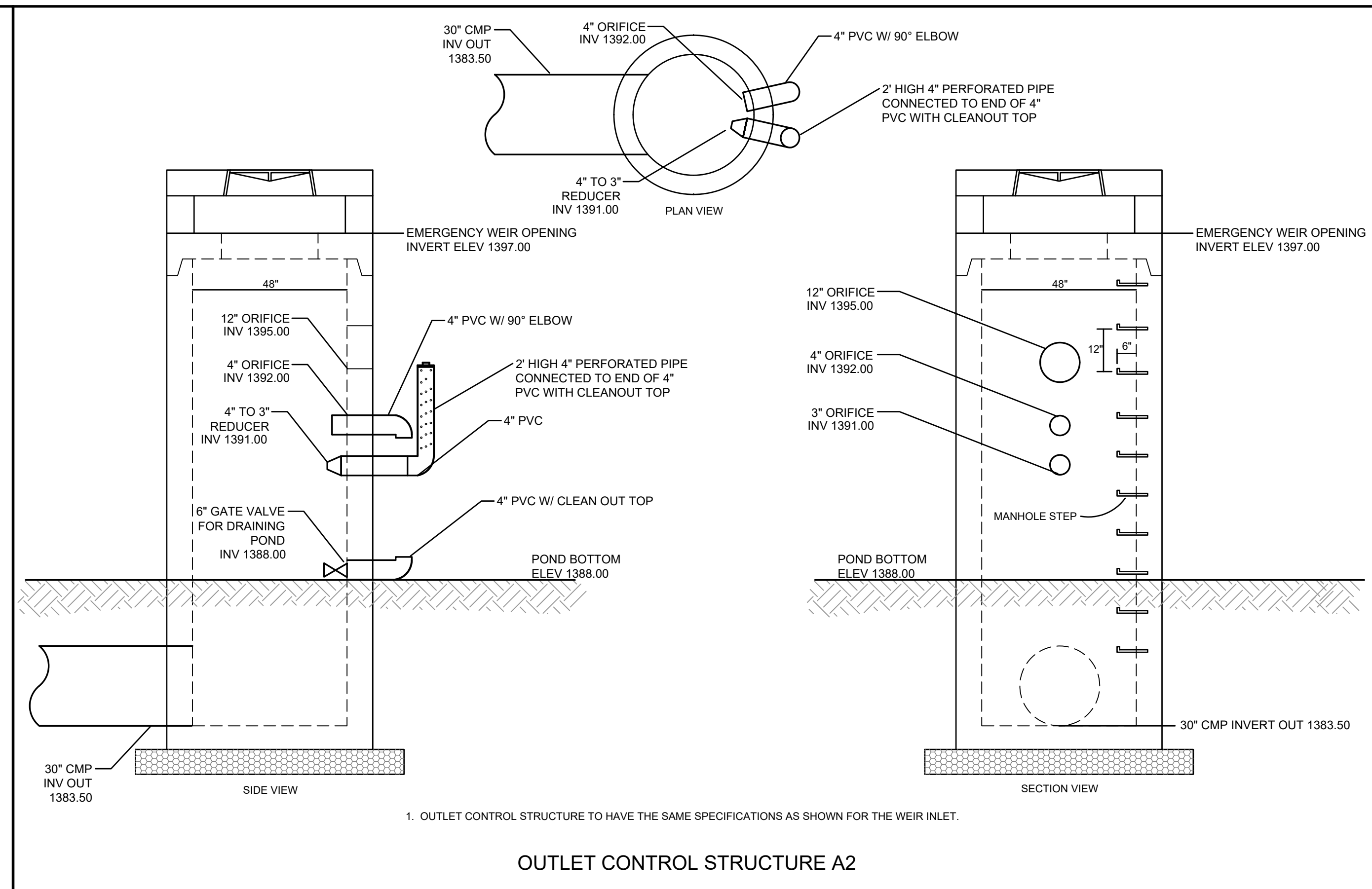
HORIZONTAL SCALE: 1" = 50'
 VERTICAL SCALE: 1" = 10'

SHEET:
C11
 JOB # 23027



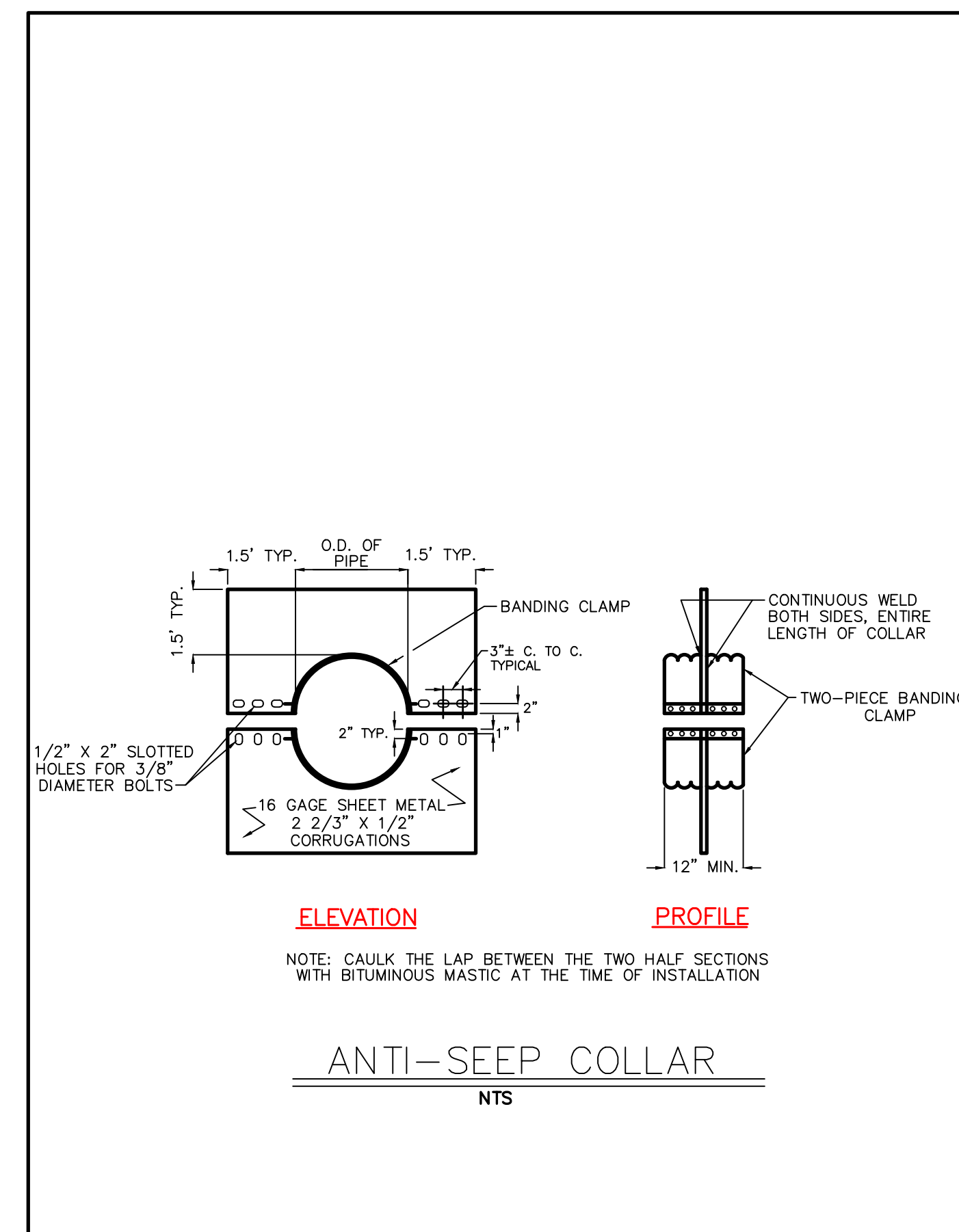
CITY OF BALDWIN

FOREBAY/PERMANENT POOL DETAIL



1. OUTLET CONTROL STRUCTURE TO HAVE THE SAME SPECIFICATIONS AS SHOWN FOR THE WEIR INLET.

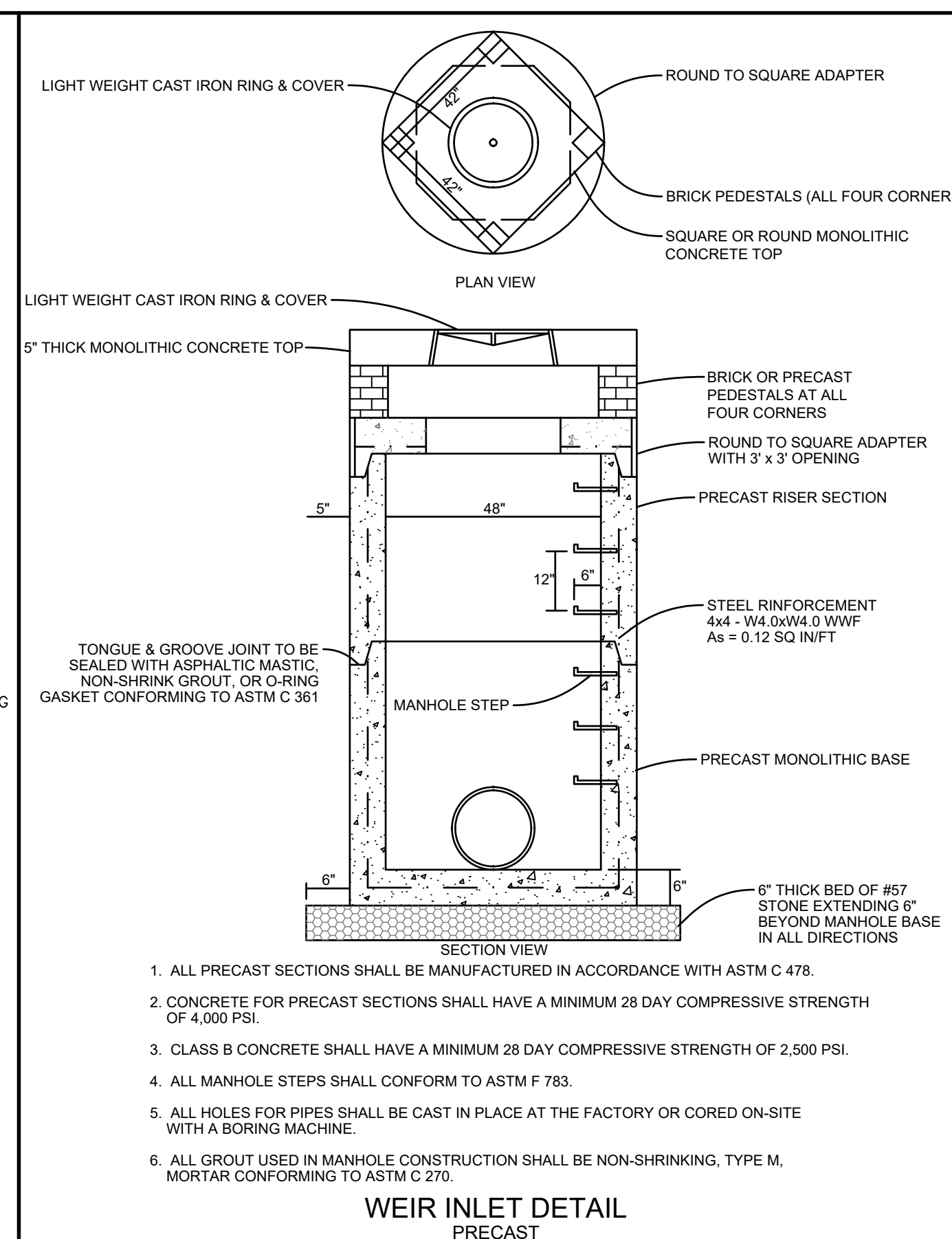
OUTLET CONTROL STRUCTURE A2



NOTE: CAULK THE LAP BETWEEN THE TWO HALF SECTIONS WITH BITUMINOUS MASTIC AT THE TIME OF INSTALLATION

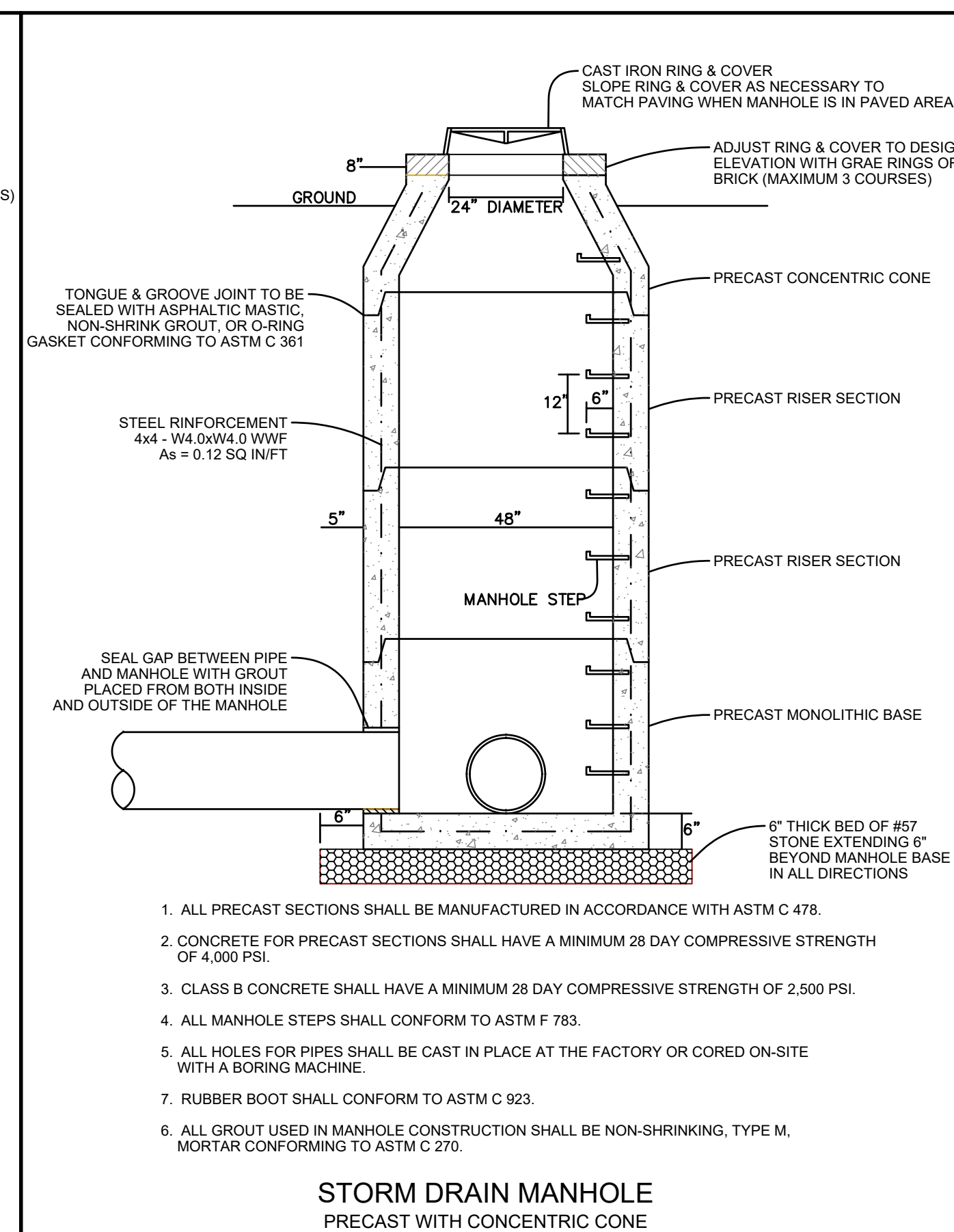
ANTI-SEEP COLLAR

NTS



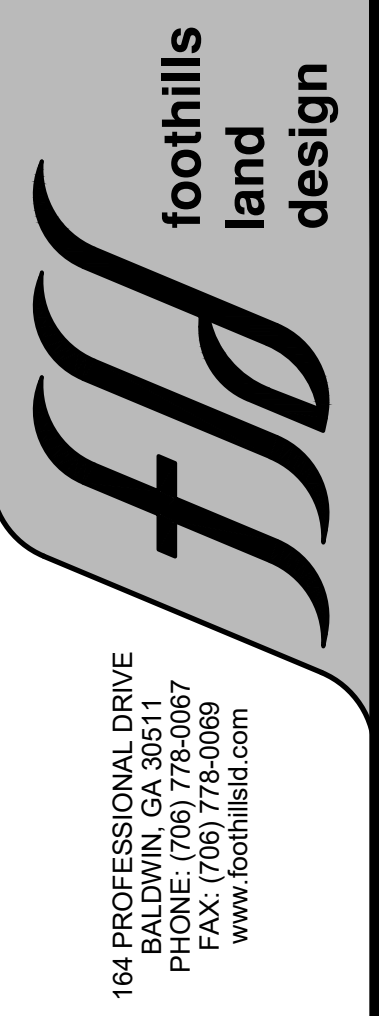
1. ALL PRECAST SECTIONS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C 478.
2. CONCRETE FOR PRECAST SECTIONS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
3. CLASS B CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,500 PSI.
4. ALL MANHOLE STEPS SHALL CONFORM TO ASTM F 783.
5. ALL HOLES FOR PIPES SHALL BE CAST IN PLACE AT THE FACTORY OR CORED ON-SITE WITH A BORING MACHINE.
6. ALL GROUT USED IN MANHOLE CONSTRUCTION SHALL BE NON-SHRINKING, TYPE M, MORTAR CONFORMING TO ASTM C 270.

WEIR INLET DETAIL
PRECAST



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2. CONCRETE FOR PRECAST SECTIONS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
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5. ALL HOLES FOR PIPES SHALL BE CAST IN PLACE AT THE FACTORY OR CORED ON-SITE WITH A BORING MACHINE.
7. RUBBER BOOT SHALL CONFORM TO ASTM C 923.
6. ALL GROUT USED IN MANHOLE CONSTRUCTION SHALL BE NON-SHRINKING, TYPE M, MORTAR CONFORMING TO ASTM C 270.

STORM DRAIN MANHOLE
PRECAST WITH CONCENTRIC CONE

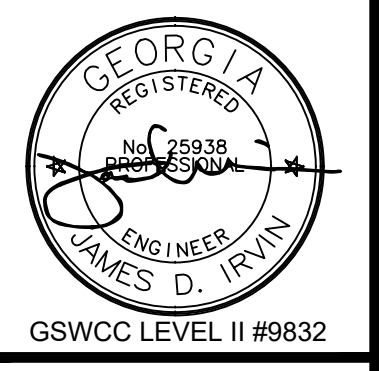


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CONSTRUCTION DETAILS
**HABERSHAM INDUSTRIAL
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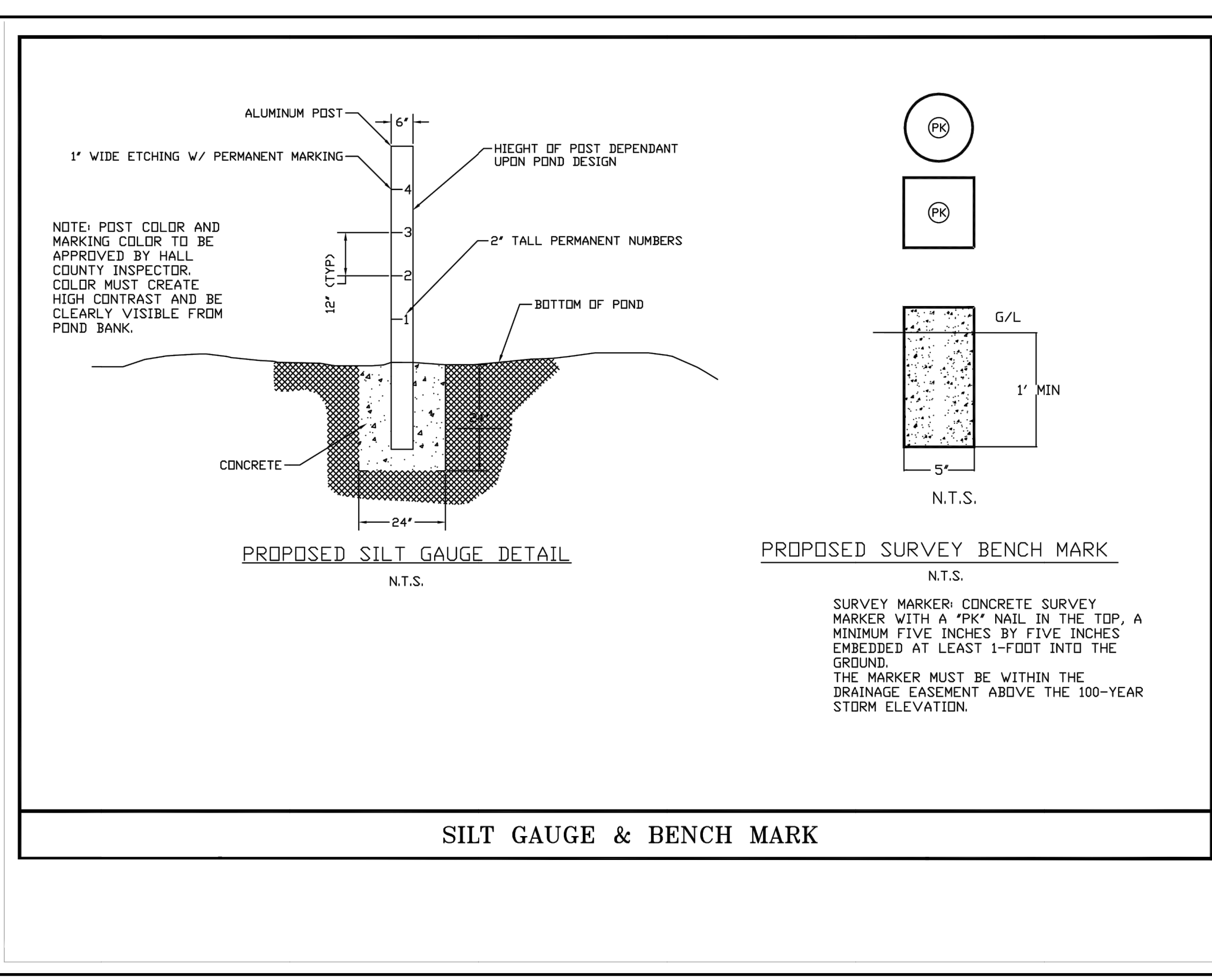
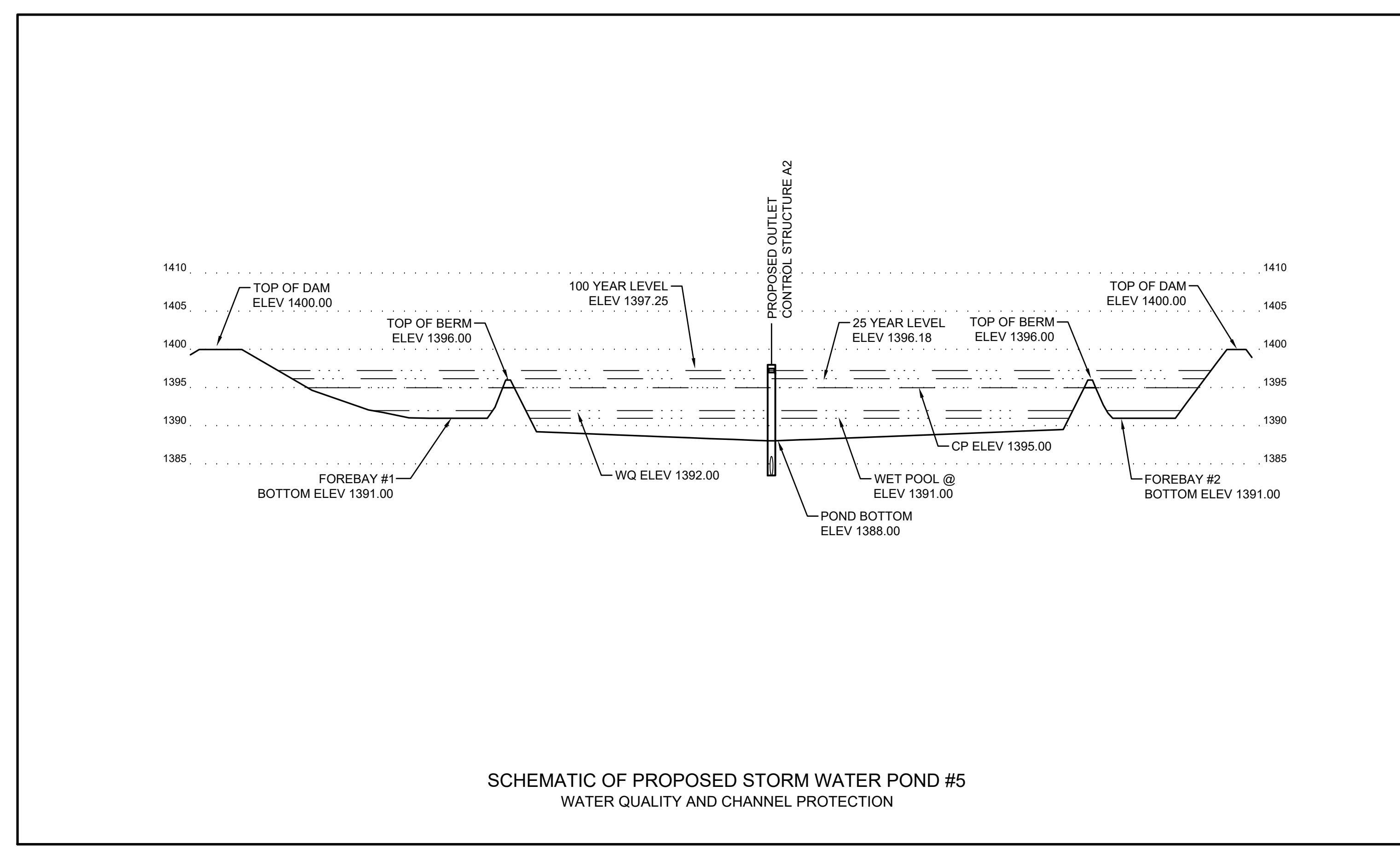
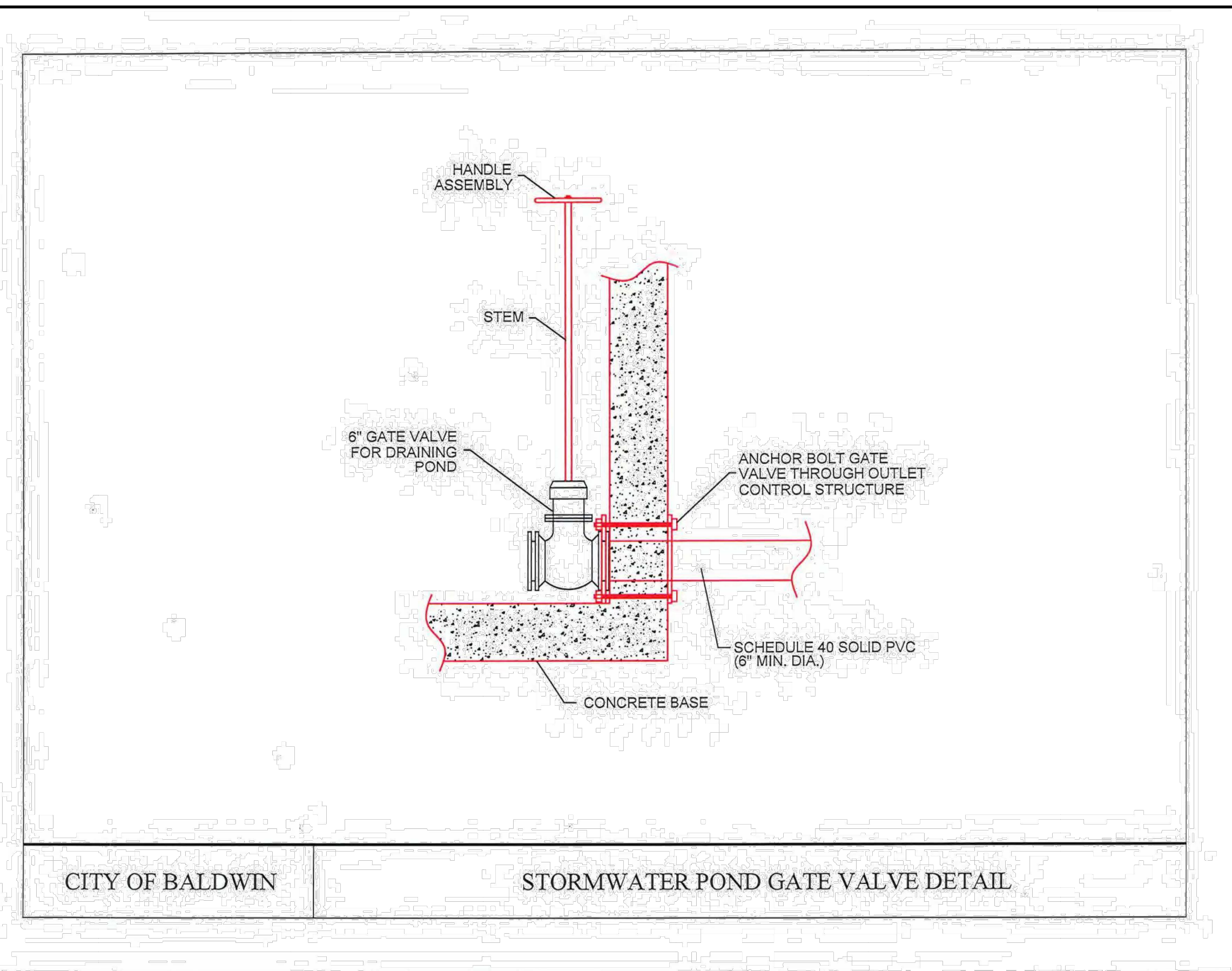
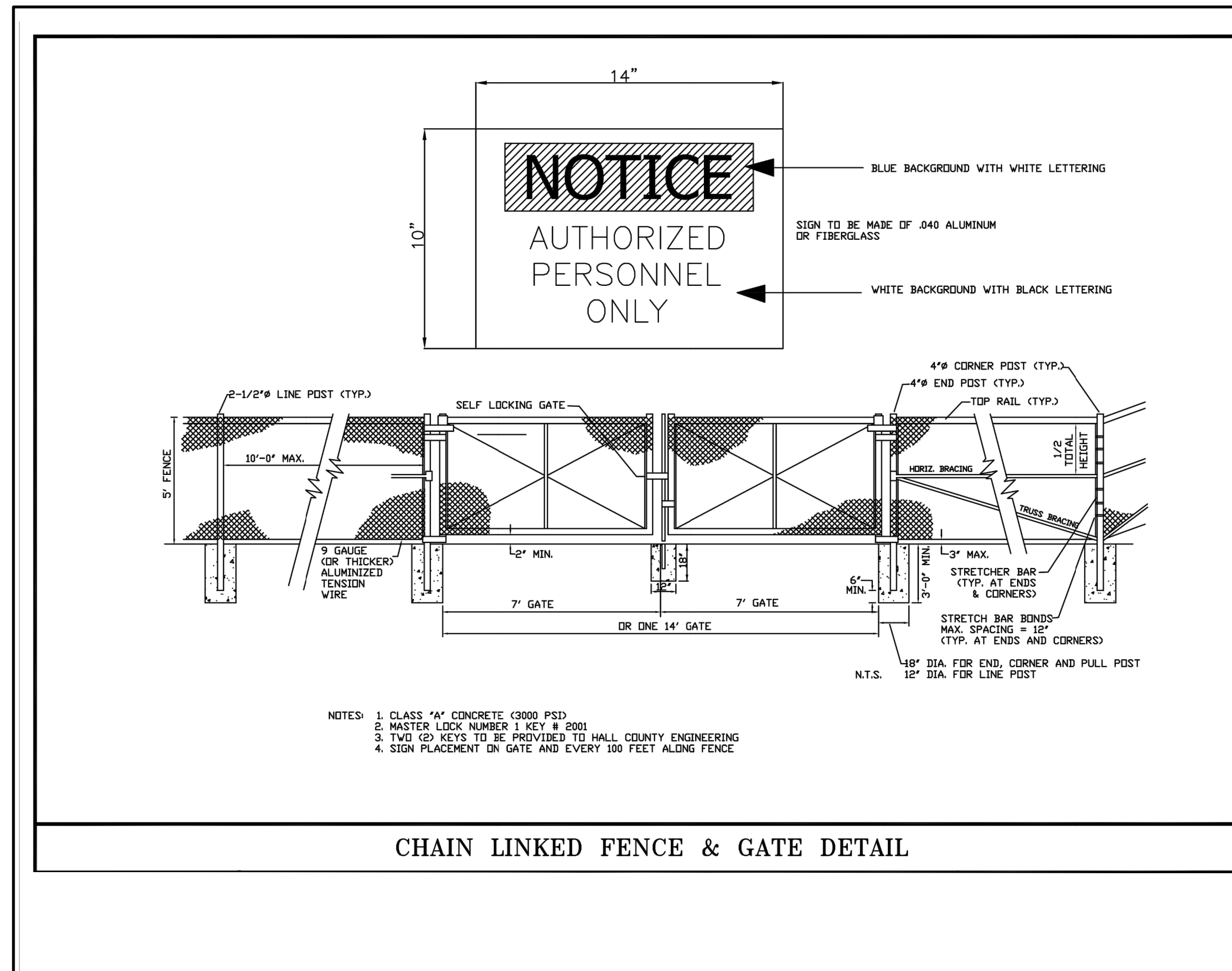


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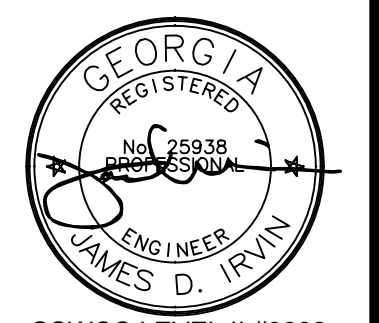
DATE: MAY 9, 2023

SCALE: N/A

SHEET:
C12
JOB # 23027



NO.	DESCRIPTION	DATE
1	REVISED SCOPE & PER CITY OF BALDWIN	6-30-23



GSWCC LEVEL II #9832

DATE: MAY 9, 2023

SCALE: N/A

SHEET:
C13
 JOB # 23027