


**CERTIFIED MAILED/EMAILED**

**TO:** All Vendors  
Tywana Scott, Procurement Assurance Analyst  
Herbert Judon, Augusta Regional Airport

**FROM:** Darrell White   
Interim Procurement Director

**DATE:** March 12, 2025

**SUBJ:** Clarifications to the Specifications and Responses to Vendor's Questions

**BID ITEM:** BID Item #25-150 Southeast Drainage Ditch Enclosure Ph. II for Augusta, GA – Augusta Regional Airport

**BID OPENING DATE:** Wednesday, March 19, 2025 @ 3:00 p.m.

**ADDENDUM NO. 1**

This Addendum shall form a part of the referenced BID Item #25-150 Southeast Drainage Ditch Enclosure Ph. II and any agreement entered into in connection therewith equally as if bound into the original document. Acknowledge receipt of all Addendums on Attachment "B" within the Specifications package.

**Clarifications to the Specifications:**

**Project Manual Changes/Clarifications:**

- Please **Replace** pages BF-1 through BF-18 with **Revised** pages BF-1 through BF-18 included in this Addendum No. 1.
- Please **Replace** pages GC2-1 through GC2-4 with Revised, updated, and added additional items within the Basis of Payment pages GC2-1 through GC2-4 included in this Addendum No. 1.

**Construction Drawing changes:**

- Sheets G-001: Updated and revised sheet index and notes. **Delete** sheets G-001 and **replace** with pages G-001 attached to this Addendum No. 1.

Suite 605 - 535 Telfair Street, Augusta Georgia 30901  
(706) 821-2422 - Fax (706) 821-2811

[www.augustaga.gov](http://www.augustaga.gov)

Register at [www.demandstar.com/supplier](http://www.demandstar.com/supplier) for automatic bid notification



Scan this QR code with your smartphone or camera equipped tablet to visit the Augusta, Georgia

- **Sheets G-061: Updated and revised quantity tables. Delete sheets G-061 and replace with pages G-061 attached to this Addendum No. 1.**
- **Sheets C-021 – C-041: Updated and revised drainage sheets. Delete sheets C-021 – C-041 and replace with pages C-021 – C-041 attached to this Addendum No. 1.**
- **Sheets C-101 & C-102: Updated and revised notes. Delete sheet C-101 & C-102 and replace with page C-101 & C-102 attached to this Addendum No. 1.**
- **Sheets C-105 – C-107: Updated and revised notes. Delete sheets C-105 – C-107 and replace with pages C-105 – C-107 attached to this Addendum No. 1.**
- **Sheets C-441 – C-444: Updated to show directional flow arrows. Delete sheets C-441 – C-444 and replace with pages C-441 – C-444 attached to this Addendum No. 1.**
- **Sheet C-451: Updated and revised notes. Delete sheet C-451 and replace with page C-451 attached to this Addendum No. 1.**
- **Sheet C-455: Additional stormwater GDOT detail. Add sheet C-455 after sheet C-454 attached to this Addendum No. 1.**

**Responses to Vendor’s Questions:**

1. Question: In the contract documents, you have a “Minority and Women Owned Business” goal of 6% and a “Women-Owned Business” goal of 3%. Can a registered Woman owned business be used for the 6% goal since it says “M/WBE Goal”?  
**Response: Only if that business owner is a minority woman. Please contact Dr. Yolanda Jackson, DBE Compliance Manager at Office:(706) 821-2406/Cell: (706) 305-0683 or [yjackson@augustaga.gov](mailto:yjackson@augustaga.gov) for any questions.**
2. Question: Can you use a M/WBE contractor for both goals?  
**Response: You must use MBE firms and WBE firms.**
3. Question: Does the “M/WBE” contractor have to be registered with Augusta-Richmond County or can the bidding contractor use M/WBE contractors that are registered with GDOT?  
**Response: The contractor MUST be certified in Augusta’s M/WBE program ONLY.**
4. Question: On page BF-5 of the contract documents, Line No 16, should this line read “Unclassified Excavation” ?  
**Response: Line No 16 is correct per the P-152 Specification.**
5. Question: Will the “unsuitable/Over Excavation” be wasted onsite? If so where?  
**Response: Unsuitable/Over Excavation shall be disposed of off-site.**
6. Question: On page BF-10 of the contract documents, Line No 17, should this line read “Unclassified Excavation” ?  
**Response: Line No 16 is correct per the P-152 Specification.**

7. Question: On sheet C-442 of the plans, the storm sewer shows ending at Sta 26+00 in the base bid with the remainder of the storm line in Alternate 1. What will be the ending point for the storm sewer if Alternate 1 is not awarded? As it is drawn in the plans, Sta 26+00 is in the middle of the storm line going from Manhole 2 to manhole 3. The storm sewer is all flowing to HW #2 west of this point and clearly in the work for Alternate 1. By not performing Alternate 1 work, the storm water does not appear to have anywhere to go as drawn on the plans.  
**Response: In the event only the base bid is awarded a headwall shall be placed at STA 26+00 and graded to connect to the existing storm drainage ditch. See sheets C-103 & C-104 for proposed grading plan in the event the alternate is not awarded.**
8. Question: Who is responsible for the cost of all compaction testing on the project?  
**Response: The contractor shall be responsible for the cost associated with compaction testing as stated within the Technical Specifications.**
9. Question: Will storm pipe require pipe video inspection? If so, who is responsible for the cost?  
**Response: Pipe sizes less than 48" shall require video inspection in accordance with ASTM C1840. Cost shall be incidental to associated line-item cost. Pipe sizes larger than 48" shall be inspected via walk-through inspection.**
10. Question: Will precast headwalls be allowed?  
**Response: Yes, pending they meet the dimensions and requirements per the plans and specifications.**
11. Question: On the "Rock filter Dam" detail on sheet C-036 of the plans, it referenced the Rip Rap to be "GDOT Type 1, Type 3". Please clarify if these are to be Type 1 or Type 3 Rip Rap?  
**Response: Rip Rap shall be GDOT Type 3. See project manual changes/clarifications.**
12. Question: Please verify that Line item No 10 and Line item No 11 on the base bid and Bid alternate 1 bid schedules respectively, is to be Type 1 Rip Rap?  
**Response: Rip Rap shall be GDOT Type 3. See project manual changes/clarifications.**
13. Question: Will the MBE/WBE goals be based solely on the base bid amount?  
**Response: The goal is set based on the entire project amount.**
14. Question: Is a soil survey or other geotechnical evaluations available?  
**Response: No.**
15. Question: In the general provisions, Section 90-06, page GP1-42, it states, "from the total amount determined to be payable on a partial payment, 10 percent of such will be deducted and retained..." Does this amount change to 5(5%) percent for the life of the project as per new Georgia law regarding public construction contracts since the contract date will be after 6/30/2022?  
**Response: The retainage for this project shall be the maximum allowable per Georgia State Law.**

16. Question: Section 60-05, Page GP1-25 of the General Provisions state that contractor is to provide a field office. Will this be required and how will it be paid?

**Response: Use of field office shall be contingent upon contractor's needs. Associated costs shall be incidental to mobilization line item.**

17. Question: Will the determination of the apparent low bidder be based off of the base bid only or base bid and bid alternates?

**Response: Low bidder shall be determined based on the total of the base bid plus all bid alternates regardless of the alternates chosen for the project. Owner reserves the right to award the project and alternate as deemed fit.**

**Please acknowledge addendum in your submittal**

**END ADDENDUM**

**ATTACHMENTS: BID FORMS BF-1 THROUGH BF-18 (18 PAGES)  
ITEM C-102, GC2-1-GC2-4 (4 PAGES)**





- c. This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any person, firm or corporation to refrain from submitting a bid; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over Owner.
  - d. No member of the Augusta Board of Commissioners, Aviation Commission or other officers or employees of said Owner is interested directly or indirectly in the bid or in any portion of the bid or in the Contract or any part of the Contract which may be awarded the undersigned on the basis of such bid without such full disclosure being made.
  - e. It is a condition of this bid and any subsequent contract entered into pursuant to this bid, and it shall be made a condition of each subcontract entered into pursuant to the prime contract that the Contractor and any subcontractor shall not require any laborer or mechanic employed in the performance of the contract to work in surroundings or under working conditions which are unsatisfactory, hazardous, or dangerous to his/her health or safety, as determined under Construction Safety and Health Standards, Title 29 , CFR Part 1518 36FR7340, promulgated by the U.S. Secretary of Labor, in accordance with Section 107 of the Contract Work hours and Safety Standards act, Stat. 96; that is further condition of this bid that Bidder shall be solely responsible for the enforcement of such Construction and Health Standards, and that Bidder fully understands that the Owner and its authorized representatives will not assume any liability resulting from the Contractor's failure to police and enforce all such standards.
  - f. The description under each bid item, being briefly stated, implies, although it does not mention, all incidentals and that the prices stated are intended to cover all such work, materials and incidentals as constitute Bidder's obligations as described in the Specifications, and any details not specifically mentioned, but evidently included in the Contract shall be compensated for in the item which most logically includes it.
  - g. The unit prices bid include all applicable taxes and fees. Bids shall also include appropriate provisions for price escalation for materials and labor including but not limited to increases in federal, state and local sales taxes and income or FICA taxes.
4. **Contract Time:** Bidder agrees that:
- a. The work will be completed within the timeframes described in the General Provisions and the Construction Documents.
  - b. Bidder shall commence work with an adequate force and equipment at the time stated in the Notice to Proceed and complete all work by the date established in said Notice. Bidder shall not work overtime or on Saturdays, Sundays, or legal holidays except as specifically allowed by the Contract Documents and approved by the Owner.
  - c. **The quantities of work listed in the Bid Schedules are APPROXIMATE and are assumed solely for the comparison of bids. Compensation will be based upon the unit price bid and the ACTUAL quantities of work performed in accordance with the Contract Documents and as accepted by the ENGINEER.**
5. **Bid Schedule:** See attached Pages BF-3 through BF-12.

**BID SCHEDULE – BASE BID**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Southeast Drainage Ditch Enclosure Ph II

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
1	C-100.1	Contractor Quality Control Program (CQCP)	1	LS		
	Written Unit Price					
2	C-102.1a	Installation, Maintenance, and Removal of Silt Fence or Silt Sock	1,650	LF		
	Written Unit Price					
3	C-102.1b	Construct, Maintain, and Remove Inlet Sediment Trap	2	EA		
	Written Unit Price					
4	C-102.1c	Construct, Maintain, and Remove Construction Exit	2	EA		
	Written Unit Price					
5	C-102.1e	Construct, Maintain, and Remove Rock Dam	1	EA		
	Written Unit Price					
6	C-102.1f	Water Quality Monitoring and Sampling	8	EA		
	Written Unit Price					
7	C-102.1g	Water Quality Inspections	3	EA		
	Written Unit Price					

**BID SCHEDULE – BASE BID**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Southeast Drainage Ditch Enclosure Ph II

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
8	C-102.1h	Erosion Control Mobilization	1	LS		
	Written Unit Price					
9	C-102.1i	Emergency Erosion Control Mobilization	1	LS		
	Written Unit Price					
10	C-102.1j	Rip Rap, Type III 18" Depth	80	SY		
	Written Unit Price					
11	C-105.1	Mobilization, Cleanup, and Demobilization	1	LS		
	Written Unit Price					
12	C-105.2	Airfield Safety and Traffic Control	1	LS		
	Written Unit Price					
13	P-101.1	Remove Existing 30-72" RCP	570	LF		
	Written Unit Price					
14	P-101.2	Remove Existing Concrete Headwall	2	EA		
	Written Unit Price					

**BID SCHEDULE – BASE BID**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Southeast Drainage Ditch Enclosure Ph II

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
15	P-151.1	Tree Clearing and Grubbing	2	AC		
	Written Unit Price					
16	P-152.1	Unclassified Excavation, Select Fill from Off-Site Material	1,810	CY		
	Written Unit Price					
17	P-152.2	Borrow Excavation, Select Fill from On-Site Material	7,250	CY		
	Written Unit Price					
18	P-152.3	Unsuitable/Over excavation	1,000	CY		
	Written Unit Price					
19	D-701.1	Concrete Sewer Pipe, 30-inch, Class V	160	LF		
	Written Unit Price					
20	D-701.2	Concrete Sewer Pipe, 72-inch, Class V	700	LF		
	Written Unit Price					
21	D-701.3	Concrete Sewer Pipe, 84-inch, Class V	940	LF		
	Written Unit Price					

**BID SCHEDULE – BASE BID**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Southeast Drainage Ditch Enclosure Ph II

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
22	D-751.1	Airfield Inlet with Aircraft Rated Gate	2	EA		
	Written Unit Price					
23	D-751.2	Airfield Manhole with Aircraft Rated Lid	2	EA		
	Written Unit Price					
24	D-751.3	Connect New Storm Sewer Pipe to Existing Storm Pipe	2	EA		
	Written Unit Price					
25	D-752.1	Concrete Storm Headwall	2	EA		
	Written Unit Price					
26	T-901.1	Temporary Seeding	5	AC		
	Written Unit Price					
27	T-901.2	Permanent Seeding	5	AC		
	Written Unit Price					
28	T-901.3	Seeding, Staging Area	1	AC		
	Written Unit Price					

**BID SCHEDULE – BASE BID**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Southeast Drainage Ditch Enclosure Ph II

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
29	T-904.1	Sodding	165	SY		
	Written Unit Price					
30	T-905.1	Topsoiling (Obtain on Site or Removed from Stockpile)	6,900	CY		
	Written Unit Price					
31	T-905.2	Topsoiling, Staging Area	2,762	CY		
	Written Unit Price					
32	T-905.2	Mulching	5	AC		
	Written Unit Price					

**Total Base Bid = \_\_\_\_\_**

**Total Base Bid Written = \_\_\_\_\_**

**BID SCHEDULE – BID ALTERNATE 1**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Southeast Drainage Ditch Enclosure Ph II

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
1	C-100.1	Contractor Quality Control Program (CQCP)	1	LS		
	Written Unit Price					
2	C-102.1a	Installation, Maintenance, and Removal of Silt Fence or Silt Sock	720	LF		
	Written Unit Price					
3	C-102.1b	Construct, Maintain, and Remove Inlet Sediment Trap	1	EA		
	Written Unit Price					
4	C-102.1c	Construct, Maintain, and Remove Construction Exit	1	EA		
	Written Unit Price					
5	C-102.1d	Construct, Maintain, and Remove Check Dam	2	EA		
	Written Unit Price					
6	C-102.1e	Construct, Maintain, and Remove Rock Dam	2	EA		
	Written Unit Price					
7	C-102.1f	Water Quality Monitoring and Sampling	6	EA		
	Written Unit Price					



**BID SCHEDULE – BID ALTERNATE 1**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Southeast Drainage Ditch Enclosure Ph II

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
8	C-102.1g	Water Quality Inspections	2	EA		
	Written Unit Price					
9	C-102.1h	Erosion Control Mobilization	1	LS		
	Written Unit Price					
10	C-102.1i	Emergency Erosion Control Mobilization	1	LS		
	Written Unit Price					
11	C-102.1j	Rip Rap, Type III 18" Depth	930	SY		
	Written Unit Price					
12	C-102.1k	Erosion Control Blanket/Matting	300	SY		
	Written Unit Price					
13	C-105.1	Mobilization, Cleanup, and Demobilization	1	LS		
	Written Unit Price					
14	C-105.2	Airfield Safety and Traffic Control	1	LS		
	Written Unit Price					

**BID SCHEDULE – BID ALTERNATE 1**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Southeast Drainage Ditch Enclosure Ph II

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
15	P-101.1	Remove Existing 30-72" RCP	75	LF		
	Written Unit Price					
16	P-101.2	Remove Existing Concrete Headwall	1	EA		
	Written Unit Price					
17	P-152.1	Unclassified Excavation, Select Fill from Off-Site Material	2,430	CY		
	Written Unit Price					
18	P-152.2	Borrow Excavation, Select Fill from On-Site Material	9,720	CY		
	Written Unit Price					
19	P-152.3	Unsuitable/Over excavation	1,000	CY		
	Written Unit Price					
20	D-701.2	Concrete Sewer Pipe, 72-inch, Class V	200	LF		
	Written Unit Price					
21	D-701.3	Concrete Sewer Pipe, 84-inch, Class V	700	LF		
	Written Unit Price					

**BID SCHEDULE – BID ALTERNATE 1**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Southeast Drainage Ditch Enclosure Ph II

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
22	D-751.2	Airfield Manhole with Aircraft Rated Lid	1	EA		
	Written Unit Price					
23	D-751.4	Connect Storm Sewer Pipe to Existing Storm Structure	1	EA		
	Written Unit Price					
24	D-752.1	Concrete Storm Headwall	1	EA		
	Written Unit Price					
25	T-901.1	Temporary Seeding	4	AC		
	Written Unit Price					
26	T-901.2	Permanent Seeding	4	AC		
	Written Unit Price					
27	T-901.3	Seeding, Staging Area	1	AC		
	Written Unit Price					
28	T-904.1	Sodding	80	SY		
	Written Unit Price					

**BID SCHEDULE – BID ALTERNATE 1**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Southeast Drainage Ditch Enclosure Ph II

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
29	T-905.1	Topsoiling (Obtain on Site or Removed from Stockpile)	6,900	CY		
	Written Unit Price					
30	T-905.2	Topsoiling, Staging Area	2,762	CY		
	Written Unit Price					
31	T-908.1	Mulching	4	AC		
	Written Unit Price					

**Total Bid Alternate 1 =** \_\_\_\_\_

**Total Bid Alternate 1 Written =** \_\_\_\_\_

**BID SUMMARY**

**Base Bid =** \_\_\_\_\_

**Base Bid Written =** \_\_\_\_\_

**Bid Alternative 1 =** \_\_\_\_\_

**Bid Alternative 1 Written =** \_\_\_\_\_

**Total Base Bid + Bid Alternate 1 =** \_\_\_\_\_

**Total Base Bid + Bid Alternate 1 Written =** \_\_\_\_\_

6. **Determination of Low Bidder:** Low bidder will be determined based on the total of the base bid plus all bid alternates regardless of the alternates chosen for the project. Owner shall reserve the right to award the overall project and alternate as deemed fit.

7. **Execution of Contract:** Bidder agrees that in case of failure on its part to execute the said Contract and Bonds within fifteen (15) days after the date indicated in the "Notice of Award," the check or bid bond accompanying this bid, and the money payable thereon, shall be paid to the Owner as liquidated damages for such failure; otherwise the Bid Security or check accompanying this bid shall be returned to the undersigned.

8. **Documentation:** The following required documents are attached to and made a part of this bid

- a. Required Bid Security in the form of a Bid Bond payable to the order of the City of Augusta;
- b. Performance of Work by Subcontractor List;
- c. Certificate of Prompt Payment

9. Name and business address (mailing and street) of Bidder to which all formal notices shall be sent:

\_\_\_\_\_  
\_\_\_\_\_

10. The terms used in this bid, which are defined in the General Provisions of the Construction Contract as a part of the Contract Documents, have the meanings assigned to them in the General Provisions.

11. Bidder hereby acknowledges receipt of the following addenda:

Addendum No.	Date
_____	_____
_____	_____
_____	_____

12. The Bidder shall state on the line below, if a corporation, the name of state in which incorporated and the date of said corporation.

\_\_\_\_\_

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

Contractor

\_\_\_\_\_

By:

\_\_\_\_\_  
(Signature of individual, partner or officer signing the Bid)

(SEAL)

\_\_\_\_\_

License Number

\_\_\_\_\_

ATTEST:

NOTE: If Contractor is a Corporation, Secretary should attest seal. Seal is required if Bidder is a Corporation. If Contractor is a Partnership, all partners shall execute the bid (add spaces as required).

# BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned

as **Principal**, and

as **Surety**, are hereby

held and firmly bound unto \_\_\_\_\_ as **Owner**

in the penal sum of \_\_\_\_\_

for the payment of which, well and truly to be made, we hereby jointly and severally

bind ourselves, our heirs, executors, administrators, successors, and assigns.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

The conditions of the above obligation is such that whereas the Principal has submitted to the Augusta Airport Aviation Commission certain Bill, attached hereto and hereby made a part hereof to enter into a Contract in writing for the Construction of:

## **AUGUSTA REGIONAL AIRPORT SOUTHEAST DRAINAGE DITCH ENCLOSURE PH II**

NOW THEREFORE,

- (a) If said bid shall be rejected, or in the alternate,
- (b) If said bid shall be accepted, and the Principal shall execute and deliver a Contract in the Form of Contract attached hereto (properly completed in accordance with said Bill) and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said Bill, the this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, thereby stipulates and agrees that obligations of said Surety and its Bonds shall be in no way impaired or affected by any extension of the time within which the Owner may accept such bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

(L.S.)  
Principal

Surety

By:

(SEAL)

- (1) Date of Bond must be same date as bid.
- (2) Bond must be signed or countersigned by Surety's proper Georgia Resident Agent. Date of Power-of-Attorney shall be same date as date of Bond.
- (3) If a Partnership, all partners shall execute Bond.



## PERFORMANCE OF WORK BY SUBCONTRACTORS

The Bidder hereby states that he proposes to use the subcontractors listed below on this project if awarded the Contract. Please list all proposed subcontractors, trade specialty and dollar value of their work. The Bidder shall obtain prior written permission of the Owner should it choose to add or substitute other subcontractor(s) not shown below.

Subcontractor Name/Address/Phone Number	Subcontractor Work Items	Dollar Value of Subcontractor Work

Estimated Total Cost of Items that Bidder states will be performed by Subcontractors is:

\$ \_\_\_\_\_.

## CERTIFICATION OF PROMPT PAYMENT

The prime Contractor agrees to pay each subcontractor under this prime contract for satisfactory performance of its contract no later than thirty (30) days from the receipt of each payment the prime Contractor receives from the Owner. The prime Contractor further agrees to return retainage payments to each subcontractor within thirty (30) days after the subcontractor's work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval from the Owner. This clause applies to both DBE and non-DBE subcontractors.

---

Name of Bidder's  
Authorized Representative  
(Please Print or Type Name)

---

Signature of Bidder's  
Authorized Representative

---

Title of Bidder's  
Authorized Representative

---

Date

## Item C-102 Temporary Air and Water Pollution, Soil Erosion, and Siltation Control

### DESCRIPTION

**102-1.** This item shall consist of temporary control measures as shown on the plans or as ordered by the Resident Project Representative (RPR) during the life of a contract to control pollution of air and water, soil erosion, and siltation through the use of silt fences, berms, dikes, dams, sediment basins, fiber mats, gravel, mulches, grasses, slope drains, and other erosion control devices or methods.

Temporary erosion control shall be in accordance with the approved erosion control plan; the approved Construction Safety and Phasing Plan (CSPP) and AC 150/5370-2, *Operational Safety on Airports During Construction*. The temporary erosion control measures contained herein shall be coordinated with the permanent erosion control measures specified as part of this contract to the extent practical to assure economical, effective, and continuous erosion control throughout the construction period.

Temporary control may include work outside the construction limits such as borrow pit operations, equipment and material storage sites, waste areas, and temporary plant sites.

Temporary control measures shall be designed, installed and maintained to minimize the creation of wildlife attractants that have the potential to attract hazardous wildlife on or near public-use airports.

### MATERIALS

**102-2.1 Grass.** Grass that will not compete with the grasses sown later for permanent cover per Item T-901 shall be a quick-growing species (such as ryegrass, Italian ryegrass, or cereal grasses) suitable to the area providing a temporary cover. Selected grass species shall not create a wildlife attractant.

**102-2.2 Mulches.** Mulches may be hay, straw, fiber mats, netting, bark, wood chips, or other suitable material reasonably clean and free of noxious weeds and deleterious materials per Item T-908. Mulches shall not create a wildlife attractant.

**102-2.3 Fertilizer.** Fertilizer shall be a standard commercial grade and shall conform to all federal and state regulations and to the standards of the Association of Official Agricultural Chemists.

**102-2.4 Slope drains.** Slope drains may be constructed of pipe, fiber mats, rubble, concrete, asphalt, or other materials that will adequately control erosion.

**102-2.5 Silt fence.** Silt fence shall consist of polymeric filaments which are formed into a stable network such that filaments retain their relative positions. Synthetic filter fabric shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of six months of expected usable construction life. Silt fence shall meet the requirements of ASTM D6461.

**102-2.6 Other.** All other materials shall meet commercial grade standards and shall be approved by the RPR before being incorporated into the project.

### CONSTRUCTION REQUIREMENTS

**102-3.1 General.** In the event of conflict between these requirements and pollution control laws, rules, or regulations of other federal, state, or local agencies, the more restrictive laws, rules, or regulations shall apply.

The RPR shall be responsible for assuring compliance to the extent that construction practices, construction operations, and construction work are involved.

**102-3.2 Schedule.** Prior to the start of construction, the Contractor shall submit schedules in accordance with the approved Construction Safety and Phasing Plan (CSPP) and the plans for accomplishment of temporary and permanent erosion control work for clearing and grubbing; grading; construction; paving; and structures at watercourses. The Contractor shall also submit a proposed method of erosion and dust control on haul roads and borrow pits and a plan for disposal of waste materials. Work shall not be started until the erosion control schedules and methods of operation for the applicable construction have been accepted by the RPR.

**102-3.3 Construction details.** The Contractor will be required to incorporate all permanent erosion control features into the project at the earliest practicable time as outlined in the plans and approved CSPP. Except where future construction operations will damage slopes, the Contractor shall perform the permanent seeding and mulching and other specified slope protection work in stages, as soon as substantial areas of exposed slopes can be made available. Temporary erosion and pollution control measures will be used to correct conditions that develop during construction that were not foreseen during the design stage; that are needed prior to installation of permanent control features; or that are needed temporarily to control erosion that develops during normal construction practices, but are not associated with permanent control features on the project.

Where erosion may be a problem, schedule and perform clearing and grubbing operations so that grading operations and permanent erosion control features can follow immediately if project conditions permit. Temporary erosion control measures are required if permanent measures cannot immediately follow grading operations. The RPR shall limit the area of clearing and grubbing, excavation, borrow, and embankment operations in progress, commensurate with the Contractor's capability and progress in keeping the finish grading, mulching, seeding, and other such permanent control measures current with the accepted schedule. If seasonal limitations make such coordination unrealistic, temporary erosion control measures shall be taken immediately to the extent feasible and justified as directed by the RPR.

The Contractor shall provide immediate permanent or temporary pollution control measures to minimize contamination of adjacent streams or other watercourses, lakes, ponds, or other areas of water impoundment as directed by the RPR. If temporary erosion and pollution control measures are required due to the Contractor's negligence, carelessness, or failure to install permanent controls as a part of the work as scheduled or directed by the RPR, the work shall be performed by the Contractor and the cost shall be incidental to this item.

The RPR may increase or decrease the area of erodible earth material that can be exposed at any time based on an analysis of project conditions.

The erosion control features installed by the Contractor shall be maintained by the Contractor during the construction period.

Provide temporary structures whenever construction equipment must cross watercourses at frequent intervals. Pollutants such as fuels, lubricants, bitumen, raw sewage, wash water from concrete mixing operations, and other harmful materials shall not be discharged into any waterways, impoundments or into natural or manmade channels.

**102-3.4 Installation, maintenance and removal of silt fence.** Silt fences shall extend a minimum of 16 inches (41 cm) and a maximum of 34 inches (86 cm) above the ground surface. Posts shall be set no more than 10 feet (3 m) on center. Filter fabric shall be cut from a continuous roll to the length required minimizing joints where possible. When joints are necessary, the fabric shall be spliced at a support post with a minimum 12-inch (300-mm) overlap and securely sealed. A trench shall be excavated approximately 4 inches (100 mm) deep by 4 inches (100 mm) wide on the upslope side of the silt fence. The trench shall be backfilled and the soil compacted over the silt fence fabric. The Contractor shall remove and dispose of silt that accumulates during construction and prior to establishment of permanent

erosion control. The fence shall be maintained in good working condition until permanent erosion control is established. Silt fence shall be removed upon approval of the RPR.

### METHOD OF MEASUREMENT

**102-4.1** Temporary erosion and pollution control work required will be performed as scheduled or directed by the RPR. Completed and accepted work will be measured as follows:

- a. Temporary seeding and mulching will be measured by the square yard (square meter).
- b. Temporary slope drains will be measured by the linear foot (meter).
- c. Temporary benches, dikes, dams, and sediment basins will be measured by the cubic yard (cubic meter) of excavation performed, including necessary cleaning of sediment basins, and the cubic yard (cubic meter) of embankment placed as directed by the RPR.
- d. All fertilizing will be measured by the ton (kg).
- e. Installation and removal of silt fence or silt sock will be measured by the linear foot.

**102-4.2** Control work performed for protection of construction areas outside the construction limits, such as borrow and waste areas, haul roads, equipment and material storage sites, and temporary plant sites, will not be measured and paid for directly but shall be considered as a subsidiary obligation of the Contractor.

### BASIS OF PAYMENT

**102-5.1** Accepted quantities of temporary water pollution, soil erosion, and siltation control work ordered by the RPR and measured as provided in paragraph 102-4.1 will be paid for under:

Item C-102.1a	Installation and Removal of Silt Fence or Silt Sock, Type A - per linear foot
Item C-102.1b	Construct, Maintain, and Remove Inlet Sediment Trap – per each
Item C-102.1c	Construct, Maintain, and Remove Construction Exit – per each
Item C-102.1d	Construct, Maintain, and Remove Check Dam – per each
Item C-102.1e	Construct, Maintain, and Remove Rock Dam – per each
Item C-102.1f	Water Quality Monitoring and Sampling – per each
Item C-102.1g	Water Quality Inspections – per each
Item C-102.1h	Erosion Control Mobilization – per lump sum
Item C-102.1i	Emergency Erosion Control Mobilization – per lump sum
Item C-102.1j	Rip Rap, Type III – per square yard
Item C-102.1k	Erosion Control Blanket/Matting – per square yard

Where other directed work falls within the specifications for a work item that has a contract price, the units of work shall be measured and paid for at the contract unit price bid for the various items.

Temporary control features not covered by contract items that are ordered by the RPR will be paid for in accordance with Section 90, paragraph 90-05 *Payment for Extra Work*.

## REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

### Advisory Circulars (AC)

AC 150/5200-33      *Hazardous Wildlife Attractants on or Near Airports*

AC 150/5370-2      *Operational Safety on Airports During Construction*

### ASTM International (ASTM)

ASTM D6461      *Standard Specification for Silt Fence Materials*

### United States Department of Agriculture (USDA)

FAA/USDA Wildlife Hazard Management at Airports, A Manual for Airport Personnel

**END OF ITEM C-102**



## AUGUSTA REGIONAL AIRPORT SOUTHEAST DRAINAGE DITCH ENCLOSURE PH II 1501 AVIATION WAY AUGUSTA, GA 30906-9620

10/22/2024  
ISSUED FOR BID  
01/07/2025

REVISION #: ADDENDUM NO. 1



GSWCC LEVEL II DESIGN  
PROFESSIONAL  
CERTIFICATION # 0000098122  
EXP. 04/26/2025

AIG:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: CMJ  
DRAWN BY: HCA  
CHECKED BY: AKM  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
EROSION, SEDIMENT &  
POLLUTION CONTROL  
PLAN - CHECKLIST

SHEET NO.

# C-021

### EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST STAND ALONE CONSTRUCTION PROJECTS GAR100001

Project Name: AGS Ditch Enclosure Phase II  
Local Issuing Authority: Augusta/Richmond  
Name & Email of person filling out checklist: C'lee Bishop, cbishop@aulickengineering.com

Plan	Included
Page #	Y/N

CE 0.01  Y

PLANS  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.02  Y

CE 0.03  Y

CE 0.03  Y

CE 0.03  Y

CE 0.03  Y

CE 0.03  Y

CE 0.03  Y

CE 0.03  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

PLANS  Y

PLANS  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

CE 0.04  Y

27 Description of practices to provide cover for building materials and building products on site. \*

28 Description of the practices that will be used to reduce the pollutants in storm water discharges. \*

29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, grading, infrastructure, temporary and final stabilization).

30 Provide complete requirements of Inspections and record keeping by the Primary Permittee. \*

31 Provide complete requirements of Sampling Frequency and Reporting of sampling results. \*

32 Provide complete details for Retention of Records as per Part IV.F. of the permit. \*

33 Description of analytical methods to be used to collect and analyze the samples from each location. \*

34 Appendix B rationale for NTU values at all outfall sampling points where applicable. \*

35 Delineate all sampling locations on all phases of the Plan, and perennial and intermittent streams and other water bodies into which storm water is discharged. \*

36 A description or appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial sediment storage requirements and initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all BMPs into a single phase plan. \*

37 Graphic scale and North arrow.

38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100ft or larger scale	Flat 0 - 2% Rolling 2 - 8% Steep 8% +	0.5 or 1 1 or 2 2, 5 or 10

39 Use of Alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Refer to the Alternative BMP Guidance Document found at [www.gaswcc.org](http://www.gaswcc.org).

40 Use of Alternative BMP for application to the Equivalent BMP List. Refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. \*

41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State Waters and any additional buffers as required by the Local Issuing Authority. Clearly note and delineate all areas of impact.

42 Delineation of all State Waters and wetlands located on or within 200 feet of the project site.

43 Delineation and acreage of contributing drainage basins on the project site.

44 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. \*

45 Estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. For solar farm projects, post-construction impervious area shall be calculated as 70% of total solar panel square footage.

46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate at all storm water discharge points.

47 Soil series for the project site and their delineation.

48 The limits of disturbance for each phase of construction.

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

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

51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.

52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

\* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the \* checklist items would be N/A.

Effective January 1, 2025

NOTES: C-021 - C-025  
PLANS: C-026 - C-035  
DETAILS: C-036 - C-039  
DAMS: C-040 - C-041



ITEM 1:

THE APPLICABLE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN CHECKLIST ESTABLISHED BY THE COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED. SEE SHEET C-021.

ITEM 2:

ITEM 3:

LIMITS OF DISTURBANCE SHALL BE LESS THAN 50 ACRES AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE GAEPD DISTRICT OFFICE. IF GAEPD APPROVES THE REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME, THE PLAN MUST INCLUDE THE GAEPD APPROVAL LETTER AND COMPLETED APPENDIX 1 OF THIS CHECKLIST WITH AT LEAST 4 OF THE CHOSEN BMPs.

LIMITS OF DISTURBANCE: SEE ITEM #6 BELOW

ITEM 4 & 5:

24-HR EROSION CONTROL CONTACT:

NAME: ELIZABETH GILES  
ADDRESS: 1501 AVIATION WAY  
AUGUSTA, GA 30906  
PHONE NUMBER: (706) 796 - 4010  
EMAIL: EGILES@AUGUSTA.GOV

PRIMARY PERMITTEE:

NAME: TIM WEEGAR  
ADDRESS: 1501 AVIATION WAY  
AUGUSTA, GA 30906  
PHONE NUMBER: (706) 796 - 4009  
EMAIL ADDRESS: TWEEGAR@AUGUSTA.GOV

ITEM 6:

TOTAL AREA PHASE 1 (INITIAL): 9.5 AC  
TOTAL DISTURBED AREA PHASE 1 (INITIAL): 9.5 AC

TOTAL AREA PHASE 2 (INTERMEDIATE): 9.5 AC  
TOTAL DISTURBED AREA PHASE 2 (INTERMEDIATE): 9.5 AC

TOTAL AREA PHASE 3 (FINAL): 0.0 AC  
TOTAL DISTURBED AREA PHASE 3 (FINAL): 0.0 AC

ITEM 7:

THE GPS LOCATION OF THE CONSTRUCTION EXIT 1 IS: N33.36024 -W81.96851  
THE GPS LOCATION OF THE CONSTRUCTION EXIT 2 IS: N33.36018 -W81.96104

ITEM 8:

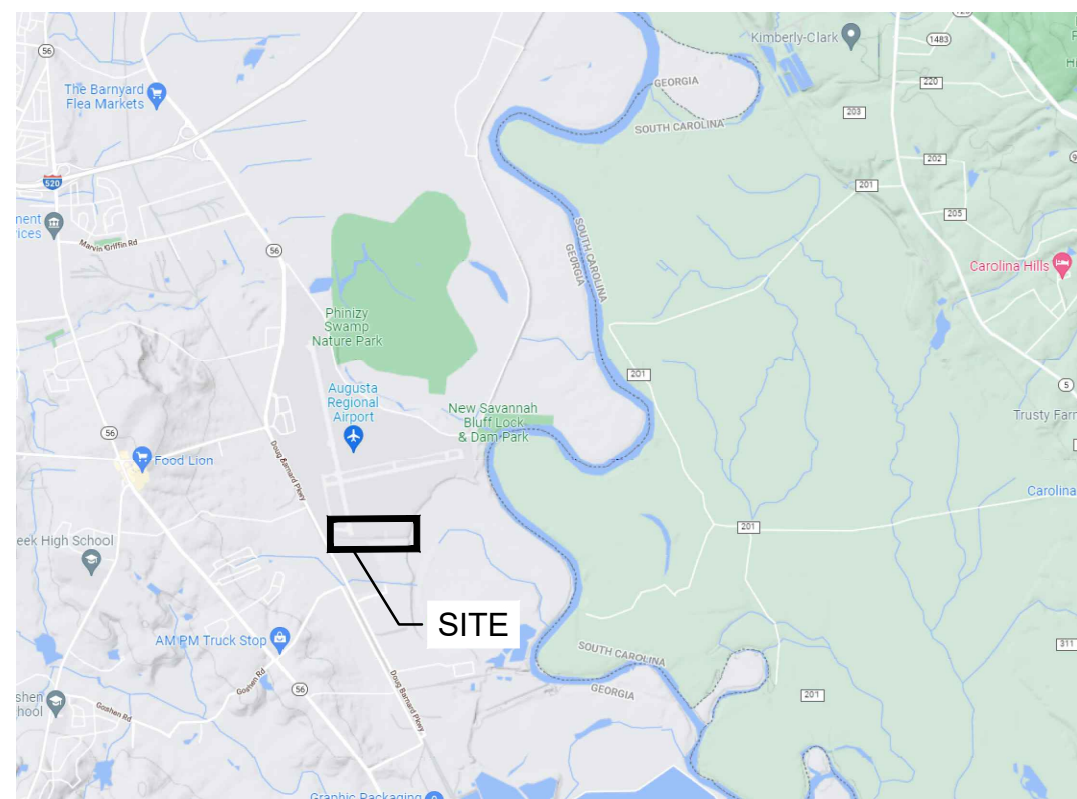
INITIAL DATE AND REVISION DATES OF THE PLAN ARE DEPICTED ON ALL SHEETS.

ITEM 9:

EXISTING SITE CONDITIONS:  
THE EXISTING SITE IS A PARTIALLY DEVELOPED SITE AT AUGUSTA REGIONAL AIRPORT. THE SITE HAS OPEN DITCH INCLUDING A PORTION OF COVERED WITH UNDERGROUND PIPE.

NATURE OF CONSTRUCTION ACTIVITY:  
THIS PROJECT INVOLVES CONSTRUCTION OF NEW UNDERGROUND DRAINAGE NETWORK (PIPES AND INLETS). THE NEW PIPES WILL BE COVERED WITH PROPOSED GRADING WORK. THE GRADING PHASE CONSISTS OF GRADING, DRAINAGE, EROSION CONTROL, AND GRASSING.

ITEM 10:



VICINITY MAP  
NTS

ITEM 11:

THE RUNOFF LEAVES THE SITE INTO TWIGGS DEAD RIVER AND EVENTUALLY SAVANNAH RIVER.

OTHER ADJACENT SITE DATA & SENSITIVE AREAS:

STREAMS - THE DRAINAGE FROM THE SITE FLOWS INTO THE EXISTING PIPE SYSTEM. FROM THERE RUNOFF FLOWS INTO A DRAINAGE CHANNEL WHICH CONNECTS TO TWIGGS DEAD RIVER AND EVENTUALLY SAVANNAH RIVER.  
LAKES - THERE ARE NO LAKES NEAR THIS PROJECT AT THE PROJECT.  
RESIDENTIAL AREAS - THERE ARE ONLY RESIDENTIAL AREAS TO THE WEST OF THE AIRPORT OFF MIKE PADGETT HIGHWAY.  
WETLANDS - THERE ARE NO WETLANDS THAT WILL BE AFFECTED BY THIS PROJECT.  
MARSHLANDS - THERE ARE NO MARSHLANDS IN THIS PROJECT LIMITS.  
SENSITIVE AREAS - STREAM BUFFERS ARE LOCATED DOWNSTREAM OF THE SITE TO THE SOUTH WEST.

ITEM 12 & 13:

DESIGN PROFESSIONAL'S CERTIFICATION:  
1) 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.

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

3) I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECT SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

DESIGN PROFESSIONAL 7-DAY SITE CERTIFICATION

DATE OF INSPECTION \_\_\_\_\_

I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION.

GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION # \_\_\_\_\_

INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ES&PC PLAN:

THE DEFICIENCIES MUST BE ADDRESSED AND A RE-INSPECTION SCHEDULED. WORK SHALL NOT PROCEED ON THE SITE UNTIL DESIGN PROFESSIONAL CERTIFICATION IS OBTAINED.

ITEM 14:

"THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT AND CERTIFY THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WITHIN 7 DAYS AFTER INSTALLATION."

THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE DESIGN ENGINEER ONE WEEK PRIOR TO THE ANTICIPATED PERIMETER CONTROL AND SEDIMENT BASIN INSTALLATION. CALL AULICK ENGINEERING AT 678-825-8196; THE ENGINEER'S NAME IS LISTED UNDER ITEMS #2 AND #12 ON THIS SHEET. FAILURE TO NOTIFY THE DESIGN PROFESSIONAL RELEASES AULICK ENGINEERING FROM ANY RELATED FINES OR LIABILITY.

ITEM 15:

"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."

ITEM 16:

THERE ARE NO BUFFER ENCROACHMENTS OR BUFFER VARIANCES REQUIRED.

ITEM 17:

"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."

ITEM 18:

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

ITEM 19:

"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."

ITEM 20:

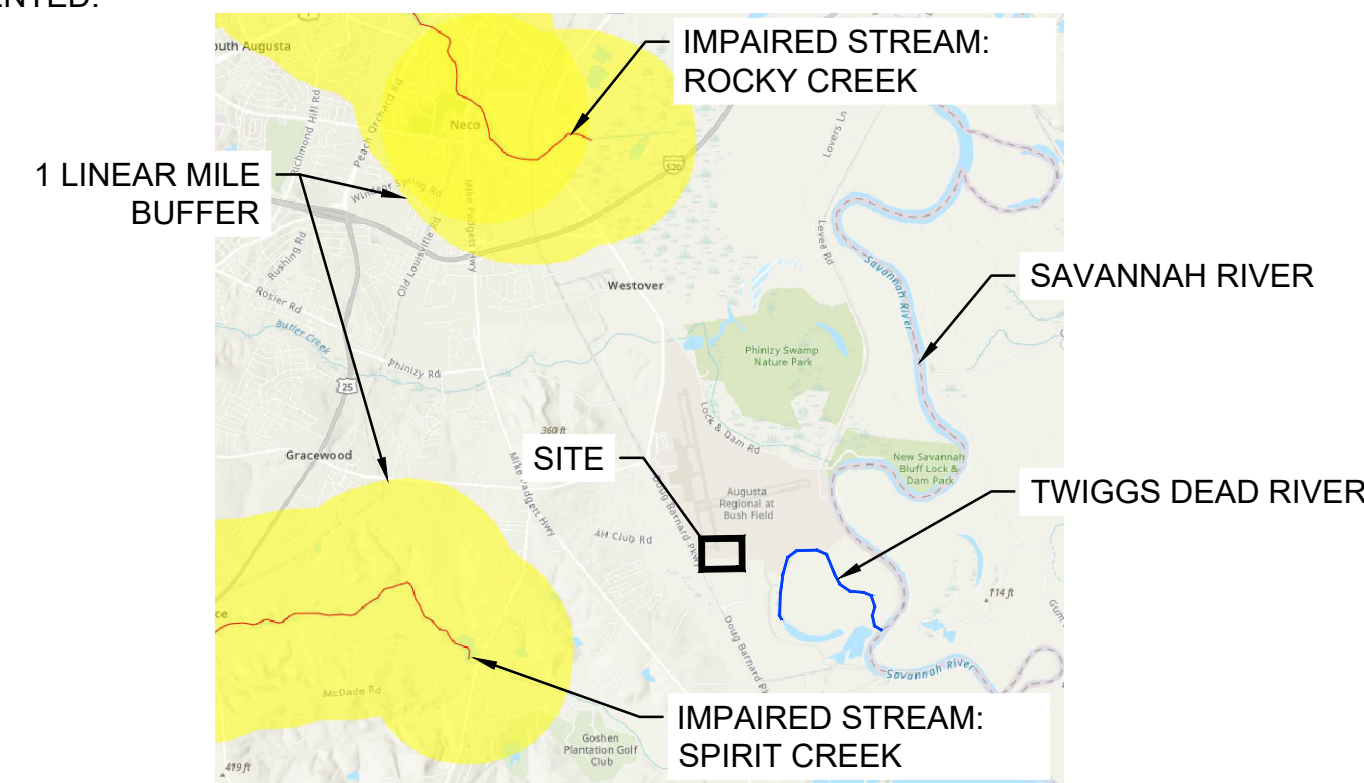
"EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."

ITEM 21:

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

ITEM 22:

THIS PROJECT DOES NOT DISCHARGE STORMWATER DIRECTLY INTO AN IMPAIRED STREAM, NOR IS LOCATED WITHIN ONE LINEAR MILE OF AN IMPAIRED STREAM, AND THEREFORE A TMDL PLAN HAS NOT BEEN IMPLEMENTED.



ITEM 23:

THERE IS NO IMPAIRED STREAM SEGMENT WITHIN 1 LINEAR MILE OF THIS PROJECT. THEREFORE, A TMDL PLAN FOR SEDIMENT HAS NOT BEEN FINALIZED AT LEAST 6 MONTHS PRIOR TO NOI.

ITEM 24:

CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF THE VEHICLES ON THE PROJECT SITE IS ALLOWED ONLY IN DESIGNATED AREAS AND PER DETAIL IN THIS PLAN SET. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

ITEM 25:

SPILL PREVENTION:

ANY LEAKS OR SPILLS OF PETROLEUM PRODUCTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTAIN, CONTROL, AND REMEDIATE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL GUIDELINES, ORDINANCES, AND LAWS.

CONTROL OF POLLUTANTS: POLLUTANTS OF POTENTIALLY HAZARDOUS MATERIALS, SUCH AS FUELS, LUBRICANTS, LEAD PAINT, CHEMICALS OR BATTERIES, SHALL BE TRANSPORTED, STORED AND UTILIZED IN A MANNER TO PREVENT LEAKAGE OR SPILLAGE INTO THE ENVIRONMENT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PROPER AND LEGAL DISPOSAL OF ALL SUCH MATERIALS. EQUIPMENT, ESPECIALLY CONCRETE OR ASPHALT TRUCKS, SHALL NOT BE WASHED OR CLEANED OUT ON THE PROJECT EXCEPT IN AREAS WHERE UNUSED PRODUCT CONTAMINANTS CAN BE PREVENTED FROM ENTERING WATERWAYS.

AN SPCC PLAN WILL BE DEVELOPED AND APPROVED PRIOR TO INSTALLATION OF FUEL TANKS. THIS PLAN WILL REQUIRE THE FOLLOWING:

1. ALL BARE SOIL AROUND FUELING AREA LINED TO PREVENT SEEPAGE INTO SOIL. IN ADDITION, A SPILL KIT WILL BE KEPT ON SITE IN CASE OF LEAKS.
2. TERTIARY CONTAINMENT WILL BE PROVIDED IN THE MOBILE TRUCK AREA.
3. SECONDARY CONTAINMENT WILL BE PROVIDED IN THE FORM OF A CONTAINMENT PAD WITH A VALVE SIZED (OR APPROVED EQUAL) FOR THE APPROPRIATE REFUELING TRUCK.

THE CONTRACTOR SHALL PREPARE AN SPCC PLAN FOR FUEL STORAGE AREAS DURING CONSTRUCTION.

MATERIALS AND EQUIPMENT NECESSARY FOR PETROLEUM SPILL CLEANUP MUST BE KEPT ONSITE AND IN STORAGE AREAS. THESE MAY INCLUDE BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS. SPILL PREVENTION PRACTICES AND PROCEDURES MUST BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. ALL SPILLS MUST 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 (NRC) MUST BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.

FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD MUST 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 MUST BE CONTACTED AS REQUIRED. THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLANS IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITY EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

© Copyright 2022 Mead & Hunt, Inc. This document, or any portion thereof, shall not be duplicated, discussed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.

AUGUSTA REGIONAL AIRPORT  
SOUTHEAST DRAINAGE DITCH  
ENCLOSURE PH II  
1501 AVIATION WAY  
AUGUSTA, GA 30906-9620

10/22/2024  
ISSUED FOR BID  
01/07/2025

REVISION #1: ADDENDUM NO. 1

AIG:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: CMJ  
DRAWN BY: HCA  
CHECKED BY: AKM  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
EROSION, SEDIMENT &  
POLLUTION CONTROL  
PLAN - NOTES

SHEET NO.

C-022



ITEM 26:

THE MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORMWATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED:

- DUST CONTROL
SLOPE STABILIZATION
SODDING
STONE OUTLET PROTECTION
PERMANENT GRASSING

THESE BMPS WERE SELECTED BASED ON EXISTING CONDITIONS AND TOPOGRAPHY CONSIDERATIONS.

ITEM 27:

THE CONTRACTOR MUST USE MEASURES SUCH AS PLASTIC SHEETING OR TEMPORARY ROOFS TO COVER BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS IN ORDER TO MINIMIZE EXPOSURE TO PRECIPITATION AND STORMWATER.

ITEM 28:

THE PRACTICES THAT WILL BE USED TO REDUCE THE POLLUTANTS IN STORMWATER DISCHARGE ARE:

- TEMPORARY GRASSING
ROCK DAM FILTER
EXCAVATED SEDIMENT TRAP
TEMPORARY CHECK DAMS
TEMPORARY SILT FENCE

THESE BMPS REMOVE POLLUTANTS THROUGH SETTLING, FILTRATION, PONDING AND OTHER METHODS AS ILLUSTRATED IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.

PRODUCT SPECIFIC PRACTICES

PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ONSITE VEHICLES AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT.

PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM.

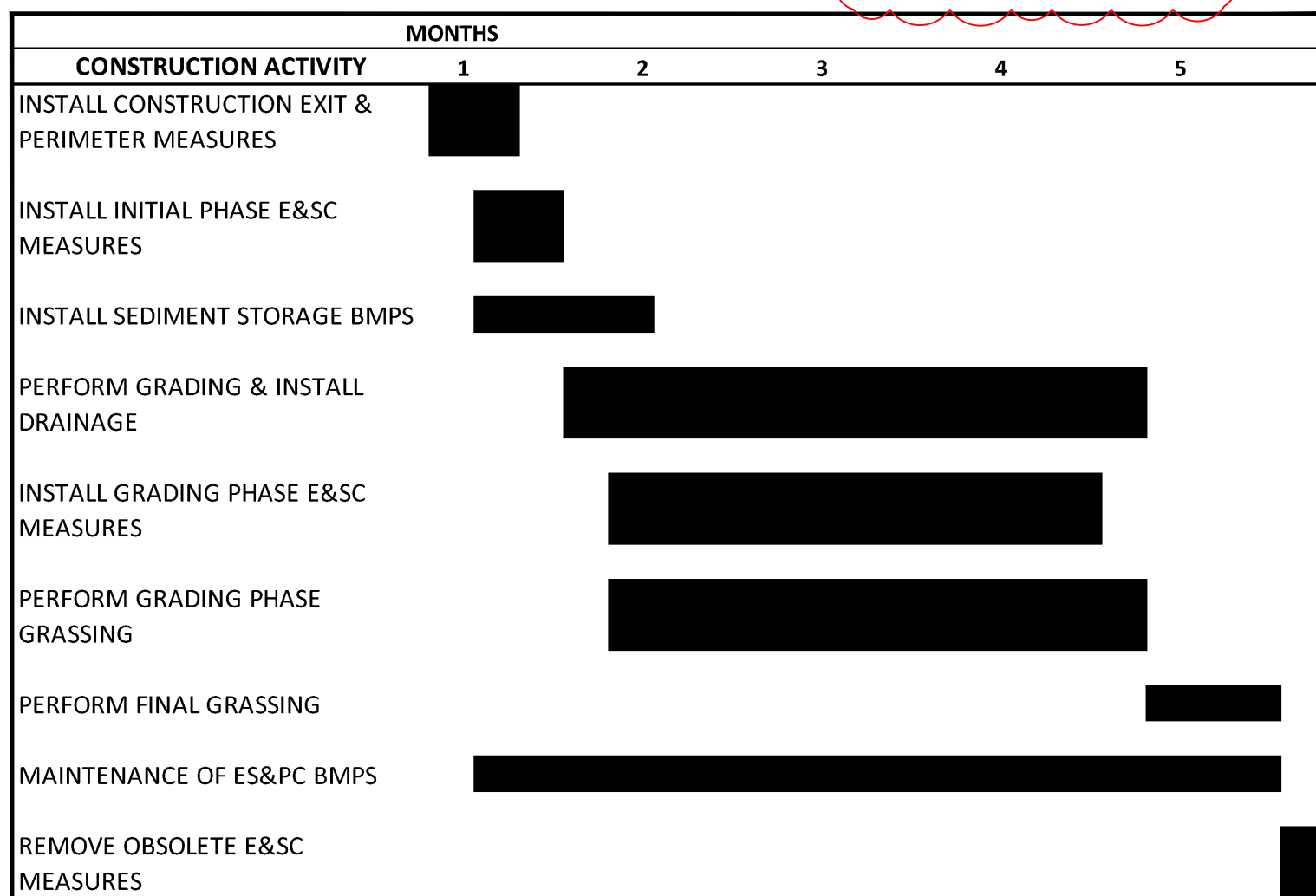
CONCRETE TRUCK WASHING - CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT.

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.

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.

ITEM 29:

CONSTRUCTION SCHEDULE



SCHEDULE SHOWN IS APPROXIMATE. CONTRACTOR SHALL PROVIDE AN UPDATED AND ACCURATE CONSTRUCTION AND BMP INSTALLATION AND MAINTENANCE SCHEDULE AS NEEDED AND WILL HAVE A SCHEDULE AVAILABLE ON-SITE.

START DATE: JUNE 2025
END DATE: OCTOBER 2025

ITEM 30:

INSPECTION 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.

(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.

(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 OR ANY 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.

(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.

(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.

(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).

ITEM 31:

THERE IS ONE OUTFALL SAMPLING LOCATION FOR THE AGS DITCH ENCLOSURE PHASE II PROJECT. THE OUTFALL SAMPLING LOCATION WILL BE AT THE PROJECT OUTFALLS SHOWN ON SHEET C-032.

SAMPLING METHODS AND DEVICES TO BE USED SHALL BE DETERMINED BY THE CONTRACTOR, PROVIDED AS A PART OF THE NOI SUBMITTAL, AND MAINTAINED WITH THE ES&PCP. THESE DEVICES SHALL, AT A MINIMUM, MEET THE REQUIREMENTS OF NPDES PERMIT GAR100001.

THE OUTFALL SAMPLING POINT IS LOCATED IN THE RECEIVING WATERS OF A WARM WATER FISHERY. THE NEPHELOMETRIC TURBIDITY UNIT (NTU) VALUE AT THE SAMPLING LOCATION SHALL BE NO HIGHER THAN 75 UNITS AS SHOWN IN ITEM 34.

SAMPLING FREQUENCY: NPDES PERMIT GAR100001 REQUIRES THAT A MINIMUM OF TWO SAMPLING EVENTS OCCUR OVER THE COURSE OF THE PROJECT AS FOLLOWS:

(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 STORM WATER 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 STORM WATER 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 STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS 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 SAMPLING LOCATION;

ITEM 31 (CONT'D):

(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 STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS 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 FIRST;

(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-RAIN) 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 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.

REPORTING

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. 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.

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 METHODS USED;
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 AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

ITEM 32:

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 PERMIT;
c. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN 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 PERMIT;
f. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D. OF THIS PERMIT; AND
g. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.a.(2). OF THIS PERMIT.

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.

Mead & Hunt logo and contact information: Mead and Hunt, Inc. 5955 Core Road, Suite 515 North Charleston, SC 29406 phone: 843-486-8330 meadhunt.com

AGS AUGUSTA REGIONAL AIRPORT logo and AULICK ENGINEERING LLC logo with contact information: AUGUSTA REGIONAL AIRPORT, AULICK ENGINEERING LLC, 1501 AVIATION WAY, AUGUSTA, GA 30906-9620

AUGUSTA REGIONAL AIRPORT SOUTHEAST DRAINAGE DITCH ENCLOSURE PH II 1501 AVIATION WAY AUGUSTA, GA 30906-9620

Professional Engineer Seal for William M. McVay, No. PE049285, State of Georgia, and GSWCC Level II Design Professional Certification # 0000098122, Exp. 04/26/2025.

Project metadata: AIG: M&H NO.: 0119700-210463.01 DATE: OCTOBER 22, 2024 DESIGNED BY: CMJ DRAWN BY: HCA CHECKED BY: AKM DO NOT SCALE DRAWINGS

SHEET CONTENTS: EROSION, SEDIMENT & POLLUTION CONTROL PLAN - NOTES

SHEET NO. C-023



ITEM 33:

SAMPLING REQUIREMENTS.

THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS SECTION IS APPLICABLE TO PRIMARY PERMITTEES WITH A TOTAL PLANNED DISTURBANCE EQUAL TO OR GREATER THAN ONE (1) ACRE 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 COMMON DEVELOPMENT; (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 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). THE ANALYTICAL METHOD USED TO COLLECT 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.

SAMPLING 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 CFR 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.

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 STORM WATER 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 STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER 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 TURBIDITY VALUE.

(B). THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER 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 STORM WATER OUTFALL CHANNEL(S).

(D). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.

(E). THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.

(F). THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.

(G). PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW 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 STORM WATER 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.

SITE AREA: 1,411 AC  
SURFACE DA: 0.06 SQ MI

ITEM 34:

APPENDIX B NTU VALUES AT OUTFALL SAMPLING POINTS:

Table with columns: WARM WATER (SUPPORTING WARM WATER FISHERIES), SURFACE WATER DRAINAGE AREA, SQUARE MILES, and rows for site size (1.00-10, 10.01-25, 25.01-50, 50.01-100, 100.01+).

ITEM 35:

THE SAMPLING LOCATIONS, PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES INTO WHICH STORM WATER IS DISCHARGED ARE SHOWN ON DRAINAGE AREA MAPS, C-040 AND C-041.

ITEM 36:

INITIAL PHASE EROSION

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

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

- PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS. THE CONSTRUCTION EXIT IS TO BE INSTALLED AND MAINTAINED AS SHOWN IN DETAILS. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN. STONE CHECK DAMS AND/OR ROCK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN. ALL OTHER SITE SPECIFIC EROSION CONTROL BMP'S PER THE PLANS SHEETS IN THIS SET.

INTERMEDIATE (GRADING) EROSION CONTROL NOTES:

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS LIMITED.

EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES. 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 CONTRACTOR'S 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 IMMEDIATELY.

AT THE END OF EACH WORK DAY ALL SLOPES 3:1 OR STEEPER AND SLOPES HIGHER THAN 5 FEET SHALL RECEIVE SURFACE ROUGHENING, EROSION CONTROL MATTING, AND SEEDING AS SHOWN ON THE EROSION CONTROL PLAN.

SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS AS LOCATED BY CONTRACTOR. COST OF SILT FENCE AND TEMPORARY GRASSING ASSOCIATED WITH STOCK PILE AREAS SHALL BE INCIDENTAL TO MOBILIZATION.

TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. IN ADDITION, SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT AND MAINTAINED OR REPLACED. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED AT CONTRACTOR'S EXPENSE.

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.

CONTRACTOR SHALL INSTALL TEMPORARY DOWNDRAINS WITH INLET FILTER RINGS AND STORM DRAIN OUTLET PROTECTION AS NEEDED TO CONTROL RUNOFF AND EROSION CONTROL DURING GRADING OPERATIONS THE COST OF THESE MEASURES SHALL BE CONSIDERED INCIDENTAL TO GRADING.

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

ALL EROSION CONTROL DEVICES SHALL MEET THE REQUIREMENTS SET FORTH IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST EDITION, GEORGIA SOIL AND WATER CONSERVATION COMMISSION AND THE "FIELD MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST EDITION.

ITEM 36 (CONT'D):

FINAL PHASE EROSION CONTROL NOTES:

CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. IN ADDITION, SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT AND MAINTAINED OR REPLACED. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

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.

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

EROSION CONTROL MEASURES WILL BE MAINTAINED UNTIL FINAL STABILIZATION WHERE 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER. TEMPORARY EROSION CONTROL DEVICES MAY BE REMOVED AND DISPOSED OF AFTER APPROVAL OF THE ENGINEER.

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

ALL EROSION CONTROL DEVICES SHALL MEET THE REQUIREMENTS SET FORTH IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST EDITION, GEORGIA SOIL AND WATER CONSERVATION COMMISSION.

ITEM 37:

GRAPHIC SCALE AND NORTH ARROW ARE ON ALL PLAN SHEETS.

ITEM 38:

EXISTING AND PROPOSED CONTOUR LINES WITH CONTOUR LINES DRAWN AT AN INTERVAL IN ACCORDANCE WITH THE FOLLOWING CAN BE FOUND ON ALL SHEETS WITH CONTOURS.

Table with columns: Map Scale, Ground Slope, Contour Intervals, ft. Rows include 1 inch = 100ft or larger scale, Flat 0 - 2%, Rolling 2 - 8%, Steep 8% +.

ITEM 39:

ALTERNATIVE BMPS:

ALTERNATIVE EROSION CONTROL BMP DESIGNS WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE EQUIVALENT TO OR SUPERIOR TO CONVENTIONAL BMPS AS CERTIFIED BY A DESIGN PROFESSIONAL (UNLESS DISAPPROVED BY EPD OR THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION) MUST BE SUBMITTED TO THE DESIGN ENGINEER PRIOR TO THE INSTALLATION.

ALTERNATIVE BMPS USED ON THIS PROJECT: NONE

ITEM 40:

THERE ARE NO ALTERNATE BMP FOR APPLICATION TO THE EQUIVALENT BMP LIST

ITEM 41:

THERE IS NO BUFFER WITHIN 200FT OF PROJECT LIMITS.

ITEM 42:

THERE IS A WETLAND LESS THAN 200 FT FROM THE WESTERN EDGE OF THE PROJECT LIMITS.

ITEM 43:

DRAINAGE BASIN DELINEATION SHOWN ON DRAINAGE AREA MAPS, C-041 AND C-042.

Mead & Hunt logo and contact information: Mead and Hunt, Inc. 5955 Core Road, Suite 515 North Charleston, SC 29406 phone: 843-486-8330 meadhunt.com

AGS AUGUSTA REGIONAL AIRPORT logo and AULICK ENGINEERING LLC logo with contact information.

AUGUSTA REGIONAL AIRPORT SOUTHEAST DRAINAGE DITCH ENCLOSURE PH II 1501 AVIATION WAY AUGUSTA, GA 30906-9620

Professional Engineer seal for William M. McVay, No. PE049285, State of Georgia, dated 1/7/23.

GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION # 0000098122 EXP. 04/26/2025

SHEET CONTENTS: EROSION, SEDIMENT & POLLUTION CONTROL PLAN - NOTES

SHEET NO. C-024

C:\AULICK\AULICK ENGINEERING\10\_M&H - PROJECTS\1001\_AGS\100122\_AGS DRAINAGE DITCH EAST-WEST\2 DESIGN\2E DWG\2E\_4 SHEETS\C-021 - C-025 ESPOP NOTES.DWG 1/7/2025 11:32:40 AM



**ITEM 44:**

HYDROLOGY STUDY AND MAPS OF DRAINAGE BASINS FOR BOTH PRE AND POST-DEVELOPMENT CONDITIONS SHOWN ON THE DRAINAGE MAPS, C-040 AND C-041.

**ITEM 45:**

THE PRE-PROJECT AND POST-PROJECT CURVE NUMBERS AND PEAK FLOW RATES CAN BE FOUND ON THE DRAINAGE AREA MAPS, C-040 AND C-041.

**ITEM 46:**

THERE ARE PIPES OR STORM STRUCTURES, THEREFORE OUTLET PROTECTION IS APPLICABLE FOR THIS PROJECT AND INFORMATION CAN BE FOUND AT C-036

**ITEM 47:**



SOILS MAP  
NTS

MAP UNIT SYMBOL	MAP UNIT NAME	MAP UNIT SYMBOL	MAP UNIT NAME
Rr	ROANOKE LOAM	WvB	WICKHAM-URBAN LAND COMPLEX, 2 TO 6 PERCENT SLOPES
DgA	DOGUE FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES		

**ITEM 48:**

LIMITS OF DISTURBANCE FOR EACH PHASE OF CONSTRUCTION SHOWN ARE SHOWN ON THE EROSION CONTROL PLAN SHEET C-027 - C-035. THE TOTAL DISTURBED AREAS ARE LISTED UNDER ITEM 6.

**ITEM 49:**

**SEDIMENT STORAGE:**

FOR COMMON DRAINAGE LOCATIONS A TEMPORARY (OR PERMANENT) SEDIMENT BASIN PROVIDING AT LEAST 1,809 CUBIC FEET (67 CUBIC YARDS) OF STORAGE PER ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. THE 1,809 CUBIC FEET (67 CUBIC YARDS) OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFF-SITE AREAS AND FLOWS FROM ON-SITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. FOR DRAINAGE LOCATIONS WHERE A TEMPORARY SEDIMENT BASIN PROVIDING AT LEAST 1,809 CUBIC FEET (67 CUBIC YARDS) OF STORAGE PER ACRE DRAINED, OR EQUIVALENT CONTROLS IS NOT ATTAINABLE, SEDIMENT TRAPS, SILT FENCES, WOOD MULCH BERMS OR EQUIVALENT SEDIMENT CONTROLS ARE REQUIRED FOR ALL SIDE SLOPE AND DOWN SLOPE BOUNDARIES OF THE CONSTRUCTION AREA. WHEN THE SEDIMENT FILLS TO A VOLUME AT MOST OF 22 CUBIC YARDS PER ACRE FOR EACH ACRE OF DRAINAGE AREA, THE SEDIMENT SHALL BE REMOVED TO RESTORE THE ORIGINAL DESIGN VOLUME. THIS SEDIMENT MUST BE PROPERLY DISPOSED.

PER THE FOLLOWING TABLE, ROCK DAMS AND EXCAVATED INLET SEDIMENT TRAPS ARE USED TO PROVIDE 1,809 CF OF STORAGE PER DRAINAGE ACRE.

Phase	Disturbed Area (ac)	Sediment Storage Required (cf)	Sediment Storage Provided (cf)	Sediment Storage BMPs
Initial	9.6	17,383	30,736	Rd #1 & #2
Grading	9.6	17,383	40,723	Sd2- EXC. #1-3, Rd #3
Final	No disturbance in Final Phase - only permanent stabilization			

**ITEM 50:**

LOCATION OF BEST MANAGEMENT PRACTICES ARE SHOWN ON EROSION CONTROL SHEET C-027 - C-035.

**ITEM 51:**

DETAILED DRAWINGS FOR ALL STRUCTURAL PRACTICES ARE SHOWN ON EROSION CONTROL DETAIL SHEETS, C-036 - C-039

**ITEM 52:**

VEGETATIVE PLAN IS SHOWN ON SHEET C-039.

**PROJECT PERMITTING NOTES:**

1. THE COST OF LAND DISTURBANCE PERMITTING WITH THE CITY, COUNTY AND THE STATE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR IS ALSO RESPONSIBLE FOR FILING ALL OTHER FEDERAL, STATE, AND LOCAL PERMITS AND FEES REQUIRED FOR CONSTRUCTING THE PROJECT, INCLUDING, BUT NOT LIMITED TO, DRIVEWAY PERMITS, LOCAL LAND DISTURBANCE PERMITS, NOIS, BUILDING PERMITS, ETC. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PAYING ALL COSTS AND FEES ASSOCIATED WITH ANY REQUIRED PLAN PREPARATION, PAPERWORK, TESTING, INSPECTION, OR ANY OTHER ITEMS NECESSARY TO MEET PERMIT REQUIREMENTS. ANY FINES FOR IMPROPER INSTALLATION AND MAINTENANCE SHALL BE PAID FOR AT THE CONTRACTOR'S EXPENSE.
3. THE BMPS SHOWN ON THESE PLANS REPRESENT THE MINIMUM REQUIRED BMPS. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ADDITIONAL BMPS AT NO ADDITIONAL COST TO THE PROJECT FOR PHASING OF CONSTRUCTION OR TO CONTROL THE ESCAPE OF SEDIMENT FROM THE SITE.

**GENERAL EROSION CONTROL NOTES:**

1. CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION ACTIVITY.
2. CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING SIGNS, LIGHTS, EXISTING UTILITIES, AND CIRCUITS UNLESS OTHERWISE NOTED IN THE DEMOLITION PLANS OR UNTIL REQUIRED FOR REMOVAL.
3. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES IN THE LAYOUT AND SHALL NOT PROCEED UNTIL CLARIFICATION IS PROVIDED.
4. STAGING AREA MAY BE FIELD ADJUSTED IF APPROVED BY ENGINEER AND/OR RPR.
5. COST OF MAINTENANCE FOR EROSION CONTROL ITEMS SHALL BE INCIDENTAL TO THE COST OF THAT ITEM.
6. ALL COSTS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND REMOVAL OF THE STAGING AREA SHALL BE INCIDENTAL TO THE COST OF MOBILIZATION FOR THE PROJECT.
7. ANY REMOVAL OF EXISTING SEDIMENT AND VEGETATION THAT IS REQUIRED TO CONSTRUCT A BMP SHALL BE INCIDENTAL TO THE CONSTRUCTION OF SAID BMP.



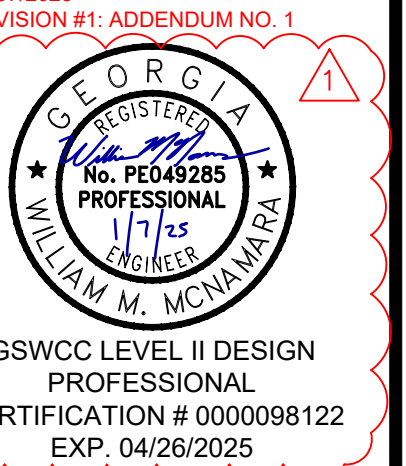
Mead and Hunt, Inc.  
5955 Core Road, Suite 515  
North Charleston, SC 29406  
phone: 843-486-8330  
meadhunt.com



© Copyright 2022 Mead & Hunt, Inc.  
This document, or any portion thereof, shall not be duplicated, discussed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.

**AUGUSTA REGIONAL AIRPORT**  
**SOUTHEAST DRAINAGE DITCH**  
**ENCLOSURE PH II**  
 1501 AVIATION WAY  
 AUGUSTA, GA 30906-9620

10/22/2024  
ISSUED FOR BID  
01/07/2025  
REVISION #1: ADDENDUM NO. 1



GSWCC LEVEL II DESIGN  
PROFESSIONAL  
CERTIFICATION # 0000098122  
EXP. 04/26/2025

AGS:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: CMJ  
DRAWN BY: HCA  
CHECKED BY: AKM  
DO NOT SCALE DRAWINGS

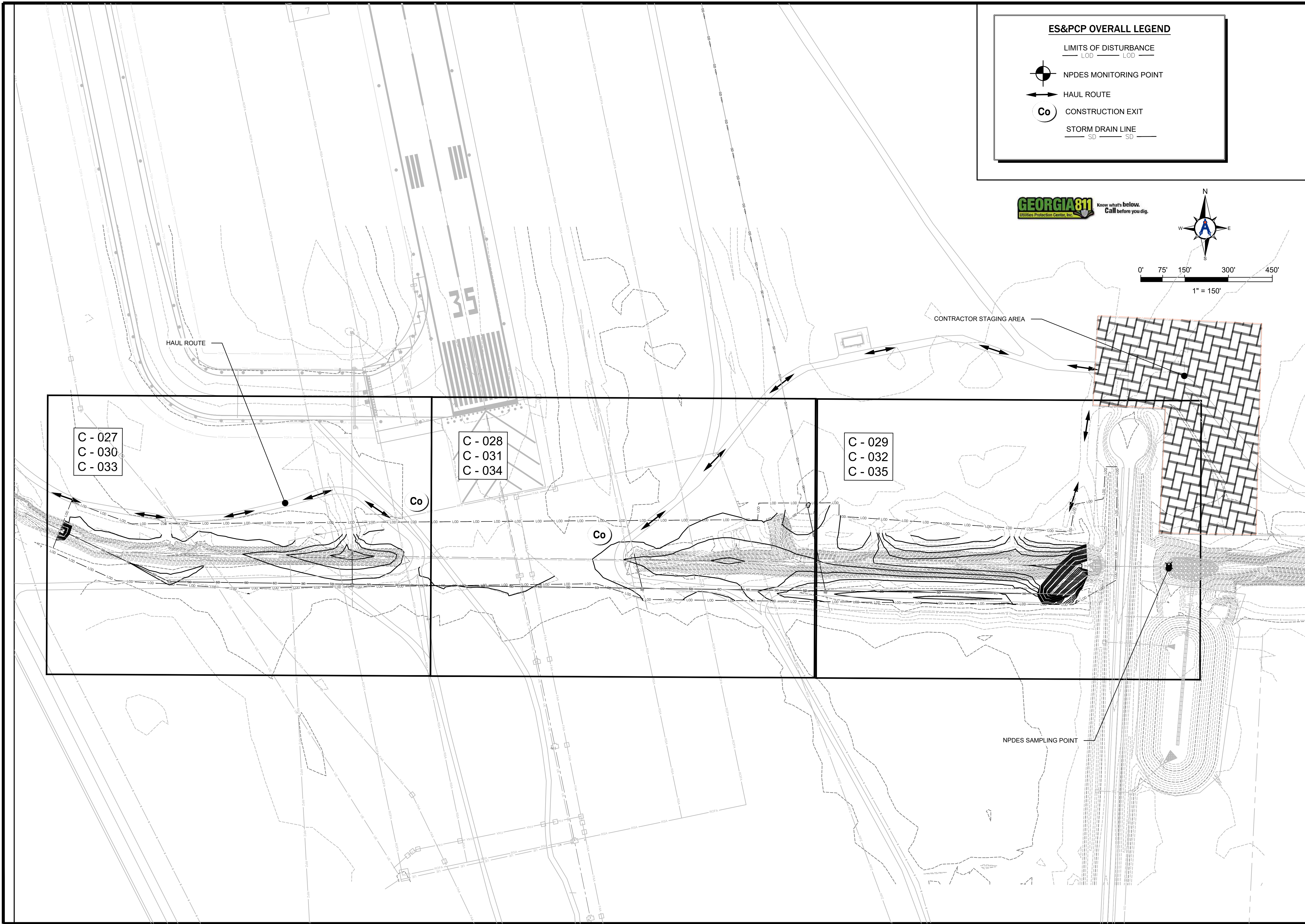
SHEET CONTENTS  
EROSION, SEDIMENT & POLLUTION CONTROL PLAN - NOTES

SHEET NO.

**C-025**



C:\AULICK\AULICK ENGINEERING\10\_M&H - PROJECTS\1001\_AGS100122\_AGS DRAINAGE DITCH EAST - WEST2 DESIGN\2E DWG\2E\_4 SHEETS\C-026.00 ESPCP OVERALL LAYOUT.DWG  
1/7/2025 3:40:35 PM



**ES&PCP OVERALL LEGEND**

— LOD — LOD —  
LIMITS OF DISTURBANCE

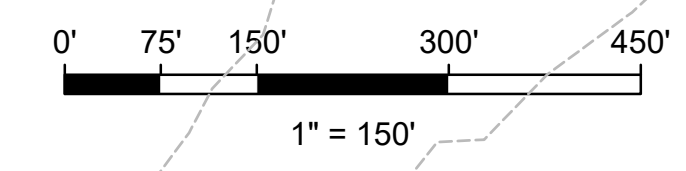
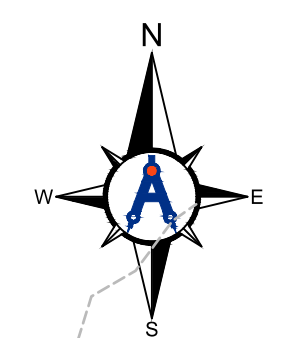
● NPDES MONITORING POINT

↔ HAUL ROUTE

⊙ Co CONSTRUCTION EXIT

— SD — SD —  
STORM DRAIN LINE

**GEORGIA811** Know what's below. Call before you dig.  
Utilities Protection Center, Inc.



**Mead & Hunt**  
Mead and Hunt, Inc.  
5955 Core Road, Suite 515  
North Charleston, SC 29406  
phone: 843-486-8330  
meadhunt.com

**AGS AUGUSTA**  
REGIONAL AIRPORT

**AULICK ENGINEERING LLC**  
STORMWATER | HYDRAULICS | EROSION CONTROL  
AIRFIELD & CIVIL SITE | CONSTRUCTION SERVICES

© Copyright 2022 Mead & Hunt, Inc.  
This document, or any portion thereof, shall not be duplicated, disclosed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.

**AUGUSTA REGIONAL AIRPORT  
SOUTHEAST DRAINAGE DITCH  
ENCLOSURE PH II  
1501 AVIATION WAY  
AUGUSTA, GA 30906-9620**

10/22/2024  
ISSUED FOR BID  
01/07/2025

REVISION #1: ADDENDUM NO. 1



GSWCC LEVEL II DESIGN  
PROFESSIONAL  
CERTIFICATION # 0000098122  
EXP. 04/26/2025

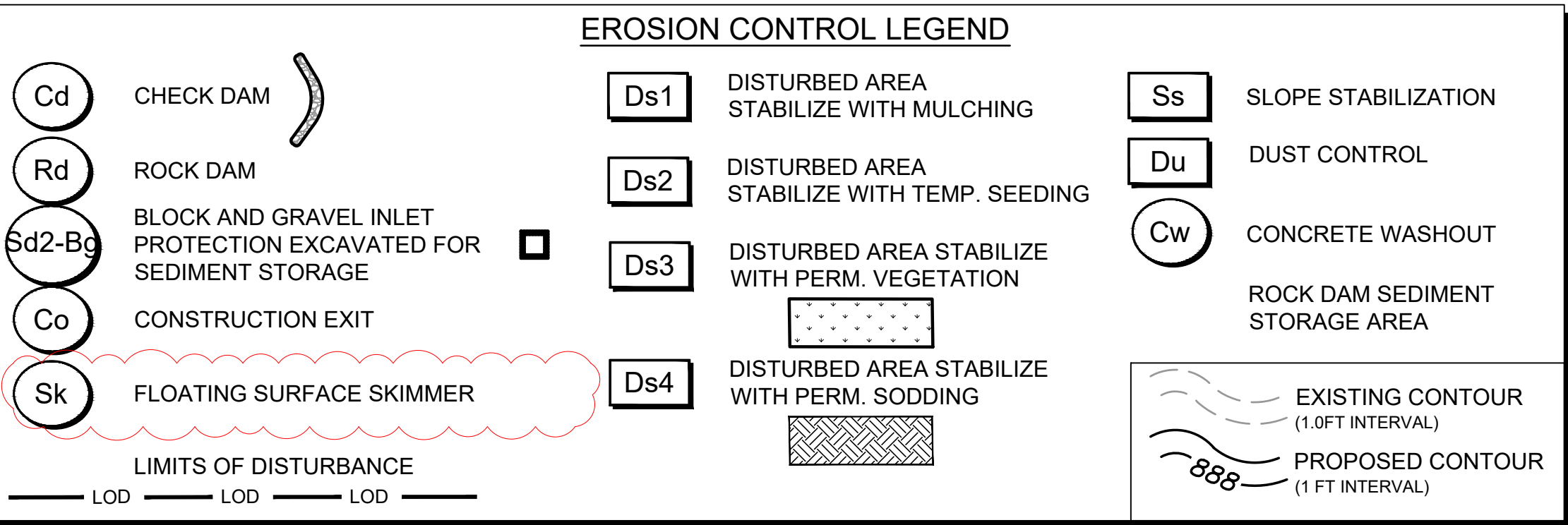
AIG:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: CMJ  
DRAWN BY: HCA  
CHECKED BY: AKM  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
EROSION, SEDIMENT,  
& POLLUTION  
CONTROL PLAN-  
OVERALL LAYOUT

SHEET NO.

**C-026**





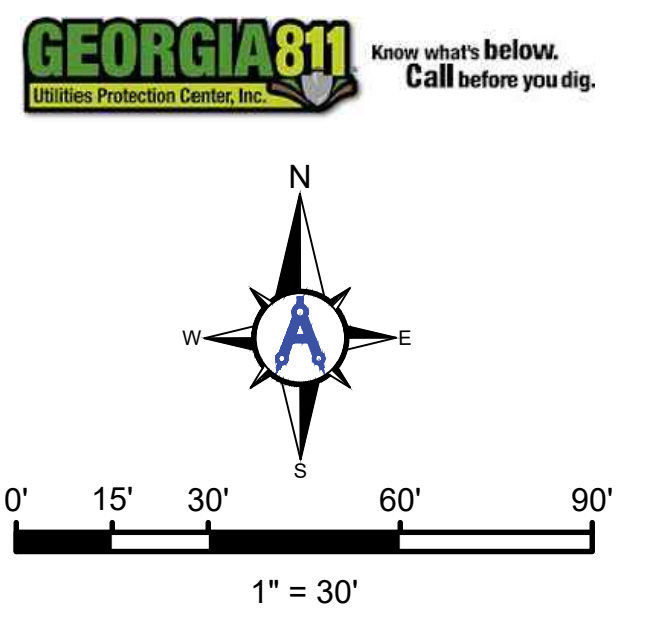
- ### ES&PCP SEQUENCE - INITIAL PHASE
1. INSTALL CONSTRUCTION EXIT (Co).
  2. ENSURE THAT A COPY OF ES&PCP AND NPDES ARE ON-SITE AND AVAILABLE AT ALL TIMES.
  3. INSTALL PERIMETER CONTROLS (Sd1-NS) AND INLET PROTECTION ON ANY EXISTING INLETS (Sd2-Bg) NEAR PROPOSED GRADING, INCLUDING NECESSARY EXCAVATION REQUIRED PER PLANS AND ROCK DAMS AT CONCENTRATED AREAS (Rd #1-3).
  4. INSTALL ANY ADDITIONAL MEASURES NEEDED THAT ARE NOT SHOWN ON THE PLANS AND MARK UP ES&PCP. COSTS TO BE INCIDENTAL TO THE PROJECT.
  5. **NOTIFY DESIGN ENGINEER FOR REQUIRED 7-DAY INSPECTION VISIT. SEE NOTE 14 ON C-022.**
  6. DO NOT BEGIN EARTH MOVING OPERATIONS UNTIL INITIAL PHASE MEASURES ARE INSTALLED AND 7-DAY INSPECTION AND ASSOCIATED DEFICIENCIES HAVE BEEN CORRECTED.
  7. MAINTAIN AND CLEAN UP ALL EROSION CONTROL STRUCTURES DURING THE PROJECT DURATION.
  8. CONSTRUCTION SEQUENCE IS RECOMMENDED BUT DOES NOT RELIEVE THE CONTRACTOR OF THE LIABILITY TO MEET PERMIT REQUIREMENTS.

### GENERAL EROSION CONTROL NOTES

"THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES."

"EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."

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



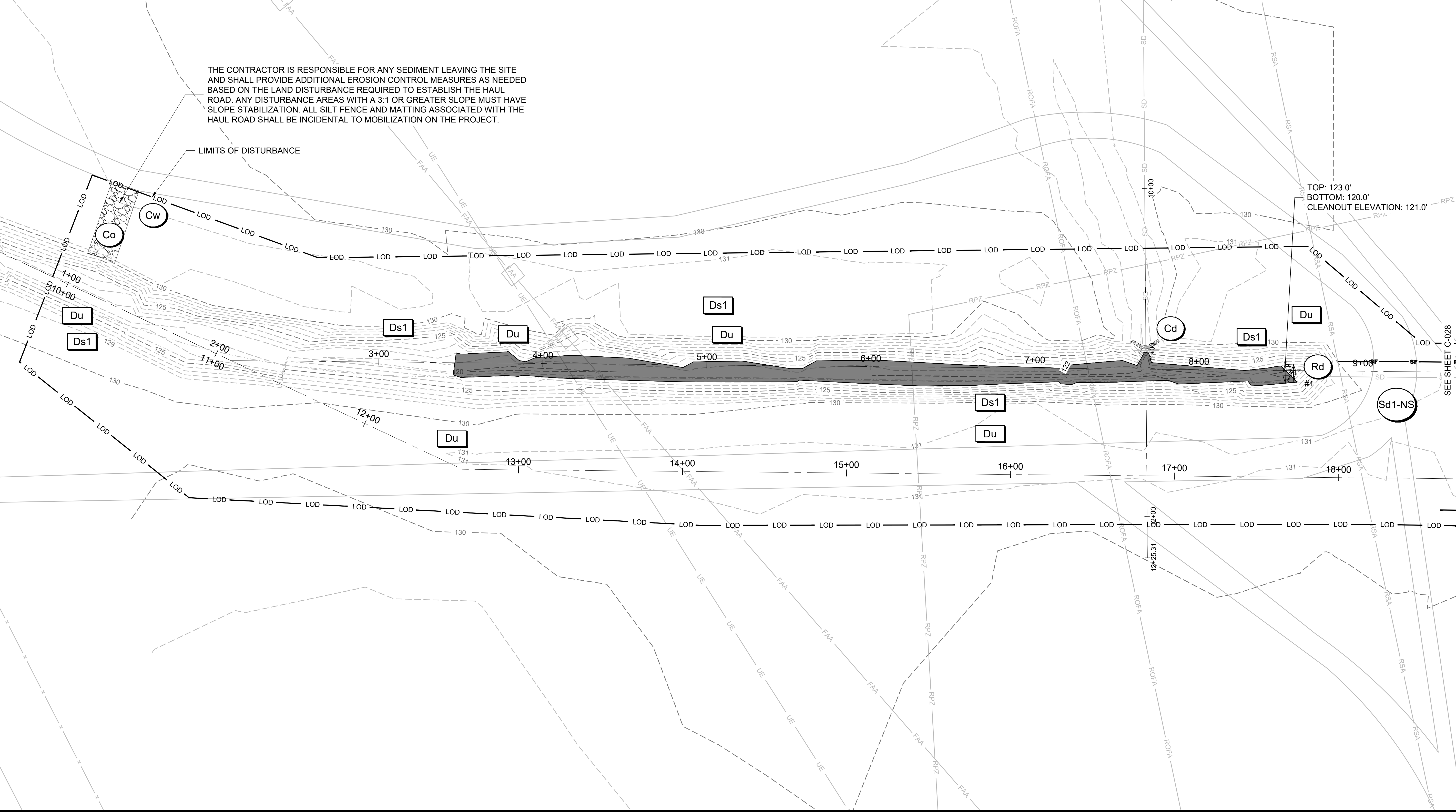
**Mead & Hunt**  
 Mead and Hunt, Inc.  
 5955 Core Road, Suite 515  
 North Charleston, SC 29406  
 phone: 843-486-8330  
 meadhunt.com

**AGS AUGUSTA**  
 REGIONAL AIRPORT

**AULICK ENGINEERING LLC**  
 STORMWATER | HYDRAULICS | EROSION CONTROL  
 AIRFIELD & CIVIL SITE | CONSTRUCTION SERVICES

© Copyright 2022 Mead & Hunt, Inc.  
 This document, or any portion thereof, shall not be duplicated, discussed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.

THE CONTRACTOR IS RESPONSIBLE FOR ANY SEDIMENT LEAVING THE SITE AND SHALL PROVIDE ADDITIONAL EROSION CONTROL MEASURES AS NEEDED BASED ON THE LAND DISTURBANCE REQUIRED TO ESTABLISH THE HAUL ROAD. ANY DISTURBANCE AREAS WITH A 3:1 OR GREATER SLOPE MUST HAVE SLOPE STABILIZATION. ALL SILT FENCE AND MATTING ASSOCIATED WITH THE HAUL ROAD SHALL BE INCIDENTAL TO MOBILIZATION ON THE PROJECT.



**AUGUSTA REGIONAL AIRPORT**  
**SOUTHEAST DRAINAGE DITCH**  
**ENCLOSURE PH II**  
 1501 AVIATION WAY  
 AUGUSTA, GA 30906-9620

10/22/2024  
 ISSUED FOR BID  
 01/07/2025  
 REVISION #1: ADDENDUM NO. 1

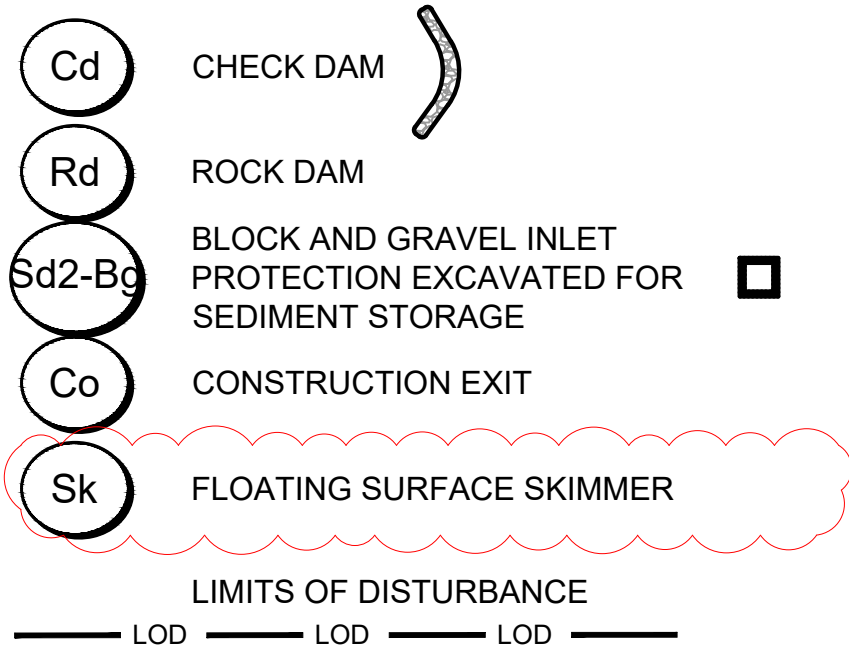
GSWCC LEVEL II DESIGN  
 PROFESSIONAL  
 CERTIFICATION # 0000098122  
 EXP. 04/26/2025

AIG:  
 M&H NO.: 0119700-210463.01  
 DATE: OCTOBER 22, 2024  
 DESIGNED BY: CMJ  
 DRAWN BY: HCA  
 CHECKED BY: AKM  
 DO NOT SCALE DRAWINGS

SHEET CONTENTS  
 EROSION, SEDIMENT,  
 & POLLUTION  
 CONTROL PLAN-  
 INITIAL PHASE

SHEET NO.  
**C-027**





**EROSION CONTROL LEGEND**

<b>Ds1</b>	DISTURBED AREA STABILIZE WITH MULCHING	<b>Ss</b>	SLOPE STABILIZATION
<b>Ds2</b>	DISTURBED AREA STABILIZE WITH TEMP. SEEDING	<b>Du</b>	DUST CONTROL
<b>Ds3</b>	DISTURBED AREA STABILIZE WITH PERM. VEGETATION	<b>Cw</b>	CONCRETE WASHOUT
<b>Ds4</b>	DISTURBED AREA STABILIZE WITH PERM. SODDING		ROCK DAM SEDIMENT STORAGE AREA

EXISTING CONTOUR (1.0FT INTERVAL)  
PROPOSED CONTOUR (1 FT INTERVAL)

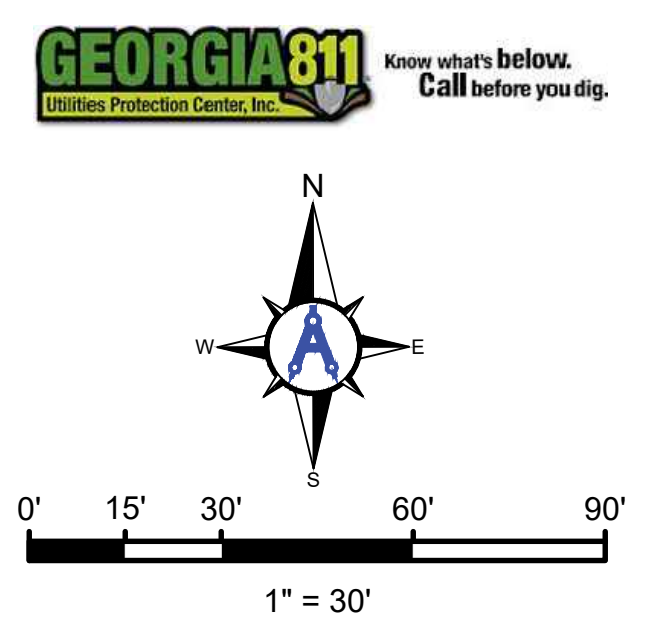
- ES&PCP SEQUENCE - INITIAL PHASE**
1. INSTALL CONSTRUCTION EXIT (Co).
  2. ENSURE THAT A COPY OF ES&PCP AND NPDES ARE ON-SITE AND AVAILABLE AT ALL TIMES.
  3. INSTALL PERIMETER CONTROLS (Sd1-NS) AND INLET PROTECTION ON ANY EXISTING INLETS (Sd2-Bg) NEAR PROPOSED GRADING, INCLUDING NECESSARY EXCAVATION REQUIRED PER PLANS AND ROCK DAMS AT CONCENTRATED AREAS (Rd #1-3).
  4. INSTALL ANY ADDITIONAL MEASURES NEEDED THAT ARE NOT SHOWN ON THE PLANS AND MARK UP ES&PCP. COSTS TO BE INCIDENTAL TO THE PROJECT.
  5. **NOTIFY DESIGN ENGINEER FOR REQUIRED 7-DAY INSPECTION VISIT. SEE NOTE 14 ON C-022.**
  6. DO NOT BEGIN EARTH MOVING OPERATIONS UNTIL INITIAL PHASE MEASURES ARE INSTALLED AND 7-DAY INSPECTION AND ASSOCIATED DEFICIENCIES HAVE BEEN CORRECTED.
  7. MAINTAIN AND CLEAN UP ALL EROSION CONTROL STRUCTURES DURING THE PROJECT DURATION.
  8. CONSTRUCTION SEQUENCE IS RECOMMENDED BUT DOES NOT RELIEVE THE CONTRACTOR OF THE LIABILITY TO MEET PERMIT REQUIREMENTS.

**GENERAL EROSION CONTROL NOTES**

"THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES."

"EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."

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

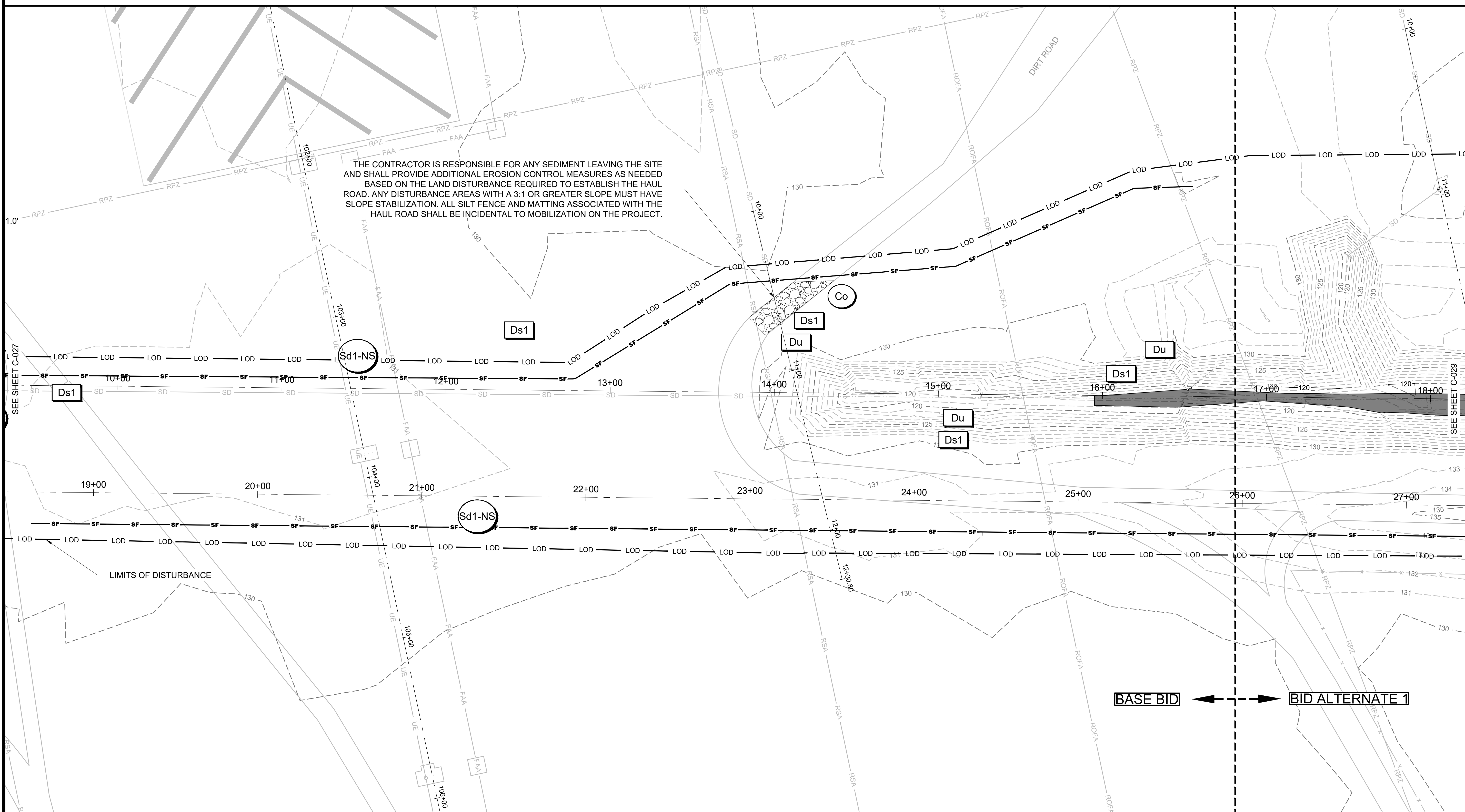


**Mead & Hunt**  
Mead and Hunt, Inc.  
5955 Core Road, Suite 515  
North Charleston, SC 29406  
phone: 843-486-8330  
meadhunt.com

**AGS AUGUSTA REGIONAL AIRPORT**

**AULICK ENGINEERING LLC**  
STORMWATER | HYDRAULICS | EROSION CONTROL  
WETLAND & CIVIL SITE | CONSTRUCTION SERVICES

© Copyright 2022 Mead & Hunt, Inc. This document, or any portion thereof, shall not be duplicated, discussed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.



**AUGUSTA REGIONAL AIRPORT  
SOUTHEAST DRAINAGE DITCH  
ENCLOSURE PH II**  
1501 AVIATION WAY  
AUGUSTA, GA 30906-9620

10/22/2024  
ISSUED FOR BID  
01/07/2025  
REVISION #1: ADDENDUM NO. 1

GSWCC LEVEL II DESIGN  
PROFESSIONAL  
CERTIFICATION # 0000098122  
EXP. 04/26/2025

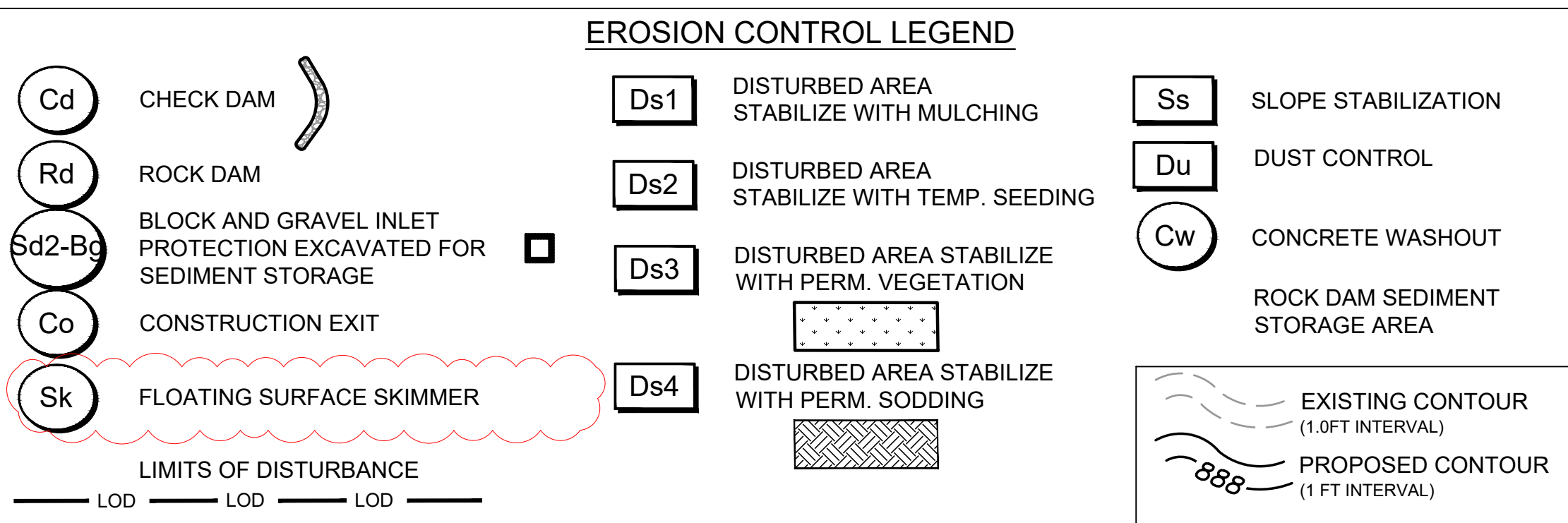
AG: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: CMJ  
DRAWN BY: HCA  
CHECKED BY: AKM  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
EROSION, SEDIMENT,  
& POLLUTION  
CONTROL PLAN-  
INITIAL PHASE

SHEET NO.  
**C-028**

C:\AULICK\ENGINEERING\10\_M&H-PROJECTS\1001\_AGS\100122\_AGS DRAINAGE DITCH EAST-WEST\2 DESIGN\2E DWG\2E\_4 SHEETS\C-021 ESPCP - INITIAL PHASE.DWG  
1/17/2025 3:39:34 PM





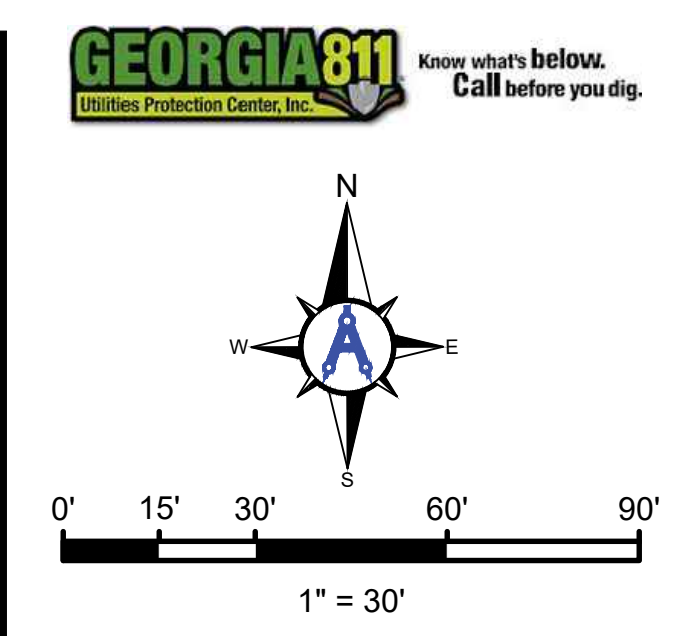
- ### ES&PCP SEQUENCE - INITIAL PHASE
1. INSTALL CONSTRUCTION EXIT (Co).
  2. ENSURE THAT A COPY OF ES&PCP AND NPDES ARE ON-SITE AND AVAILABLE AT ALL TIMES.
  3. INSTALL PERIMETER CONTROLS (Sd1-NS) AND INLET PROTECTION ON ANY EXISTING INLETS (Sd2-Bg) NEAR PROPOSED GRADING, INCLUDING NECESSARY EXCAVATION REQUIRED PER PLANS AND ROCK DAMS AT CONCENTRATED AREAS (Rd #1-3).
  4. INSTALL ANY ADDITIONAL MEASURES NEEDED THAT ARE NOT SHOWN ON THE PLANS AND MARK UP ES&PCP, COSTS TO BE INCIDENTAL TO THE PROJECT.
  5. **NOTIFY DESIGN ENGINEER FOR REQUIRED 7-DAY INSPECTION VISIT. SEE NOTE 14 ON C-022.**
  6. DO NOT BEGIN EARTH MOVING OPERATIONS UNTIL INITIAL PHASE MEASURES ARE INSTALLED AND 7-DAY INSPECTION AND ASSOCIATED DEFICIENCIES HAVE BEEN CORRECTED.
  7. MAINTAIN AND CLEAN UP ALL EROSION CONTROL STRUCTURES DURING THE PROJECT DURATION.
  8. CONSTRUCTION SEQUENCE IS RECOMMENDED BUT DOES NOT RELIEVE THE CONTRACTOR OF THE LIABILITY TO MEET PERMIT REQUIREMENTS.

### GENERAL EROSION CONTROL NOTES

"THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES."

"EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."

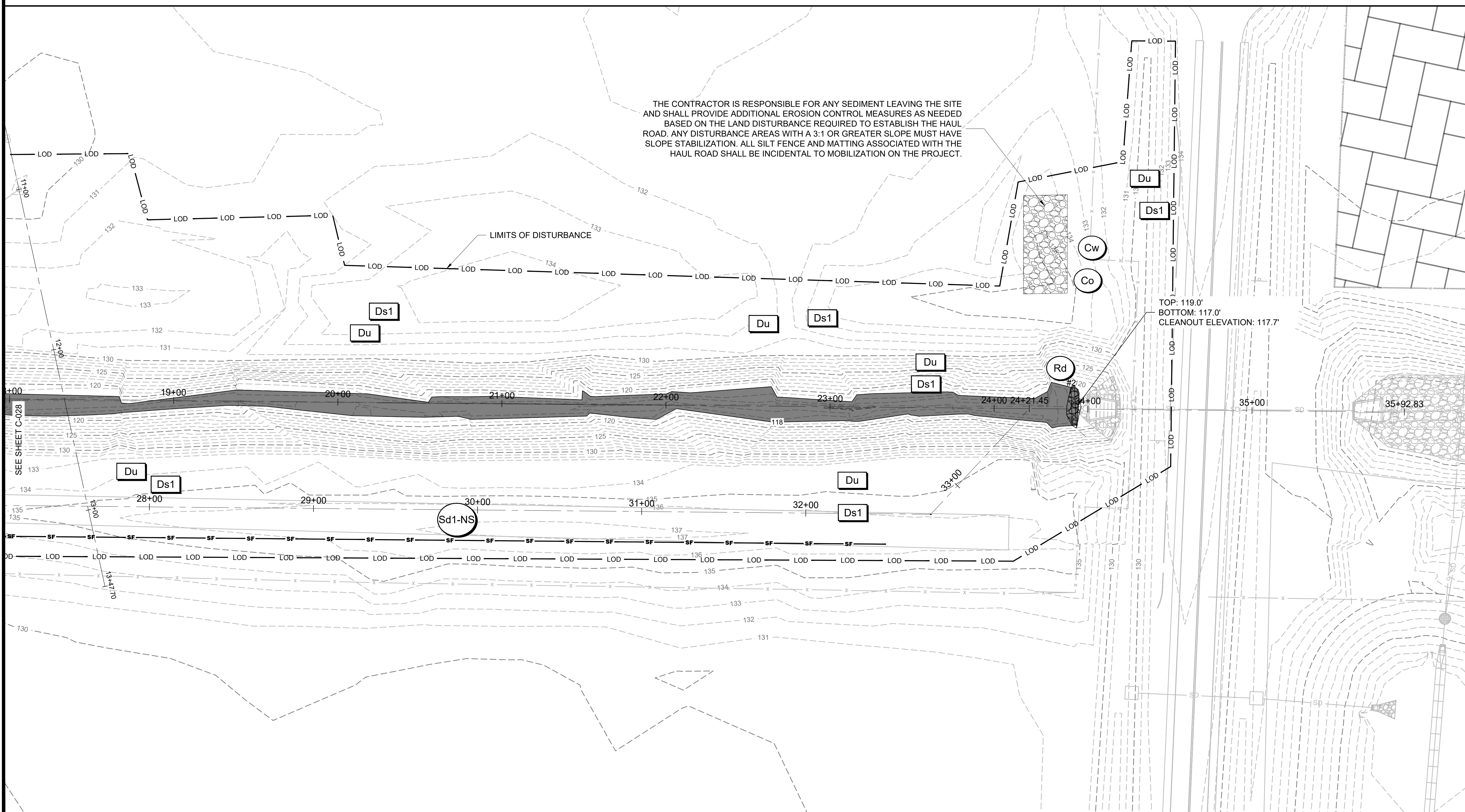
"ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING."



Mead and Hunt, Inc.  
5955 Core Road, Suite 515  
North Charleston, SC 29406  
phone: 843-486-8330  
meadhunt.com

STORMWATER | HYDRAULICS | EROSION CONTROL  
SURVEY & CIVIL SITE | CONSTRUCTION SERVICES

© Copyright 2022 Mead & Hunt, Inc.  
This document, or any portion thereof, shall not be duplicated, discussed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.



**AUGUSTA REGIONAL AIRPORT**  
**SOUTHEAST DRAINAGE DITCH**  
**ENCLOSURE PH II**  
 1501 AVIATION WAY  
 AUGUSTA, GA 30906-9620

10/22/2024  
ISSUED FOR BID  
01/07/2025  
REVISION #1: ADDENDUM NO. 1

GSWCC LEVEL II DESIGN  
PROFESSIONAL  
CERTIFICATION # 0000098122  
EXP. 04/26/2025

AG: M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: CMJ  
DRAWN BY: HCA  
CHECKED BY: AKM  
DO NOT SCALE DRAWINGS

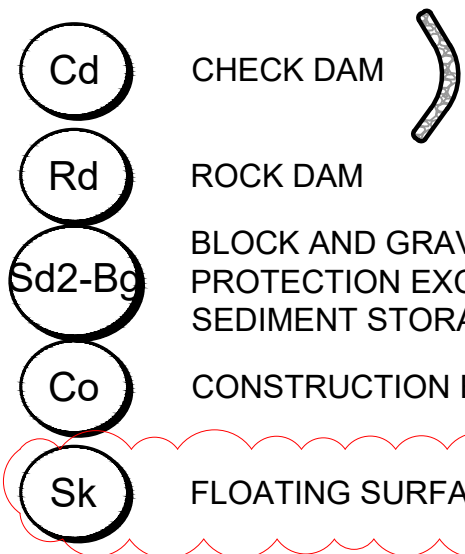
SHEET CONTENTS  
EROSION, SEDIMENT,  
& POLLUTION  
CONTROL PLAN-  
INITIAL PHASE

SHEET NO.

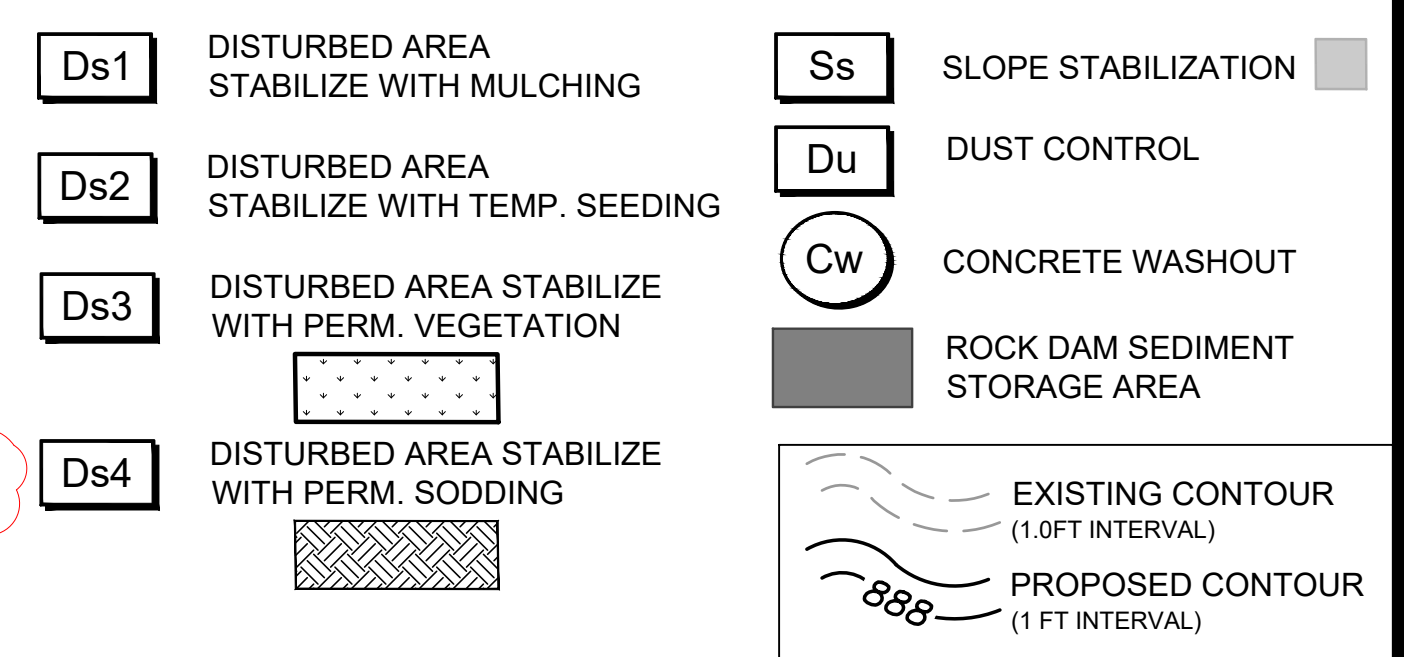
C-029

C:\AULICK\ENGINEERING\10\_M&H - PROJECTS\1001\_AGS\100122\_AGS DRAINAGE DITCH EAST - WEST\2 DESIGN\2E DWG\2E.4 SHEETS\C-021 ESPCP - INITIAL PHASE.DWG  
 11/7/2025 3:39:45 PM





**EROSION CONTROL LEGEND**



**ES&PCP SEQUENCE - GRADING PHASE**

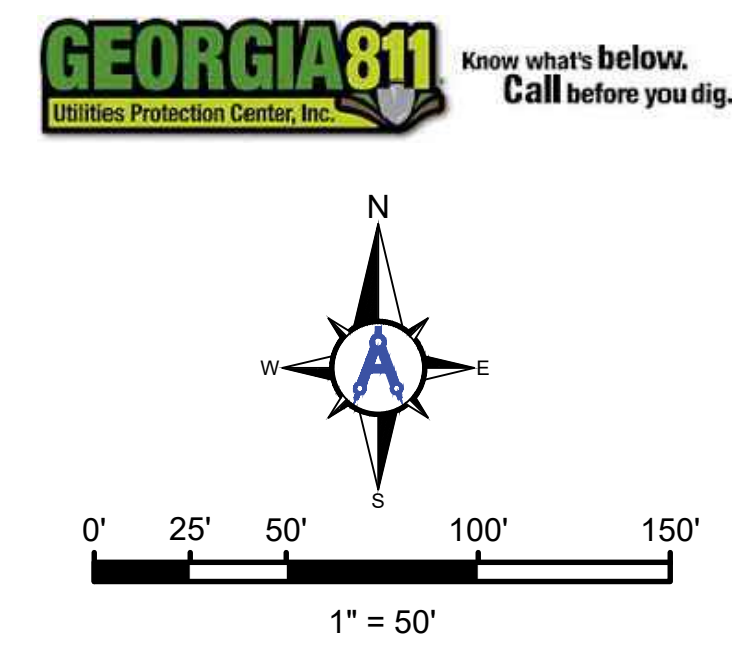
1. MAINTAIN CONSTRUCTION EXIT AND PERIMETER CONTROLS.
2. BEGIN EARTHMOVING OPERATIONS.
3. ADD Cd-S IN NEW CHANNELS.
4. INSTALL SLOPE STABILIZATION (Ss) ON ALL FILL SLOPES.
5. INSTALL INLET SEDIMENT TRAPS (Sd2-) AND EXCAVATED INLET SEDIMENT TRAPS (Sd2-Bg EXC.)
6. AT THE END OF EACH DAY, STABILIZE ANY AREAS THAT WILL NOT BE RE-DISTURBED WITHIN 14 DAYS WITH TEMPORARY MULCHING OR TEMPORARY VEGETATION (Ds1, Ds2). ANY SLOPES GREATER THAN 5FT SHALL RECEIVE MATTING AND GRASSING.
7. APPLY SLOPE STABILIZATION (Ss) ON SLOPES 3:1 OR STEEPER.
8. APPLY DUST CONTROL (Du) WHEN WARRANTED.
9. MAINTAIN AND CLEAN UP ALL EROSION CONTROL STRUCTURES DURING THE PROJECT DURATION.
10. PROVIDE ADDITIONAL MEASURES AS NECESSARY TO PREVENT THE ESCAPE OF SEDIMENT FROM THE SITE.
11. NOTIFY DESIGN ENGINEER IF ANY SEDIMENT EXITS THE PROJECT LIMITS.
12. CONSTRUCTION SEQUENCE IS RECOMMENDED BUT DOES NOT RELIEVE THE CONTRACTOR OF THE LIABILITY TO MEET PERMIT REQUIREMENTS.

**GENERAL EROSION CONTROL NOTES**

"THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES."

"EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."

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

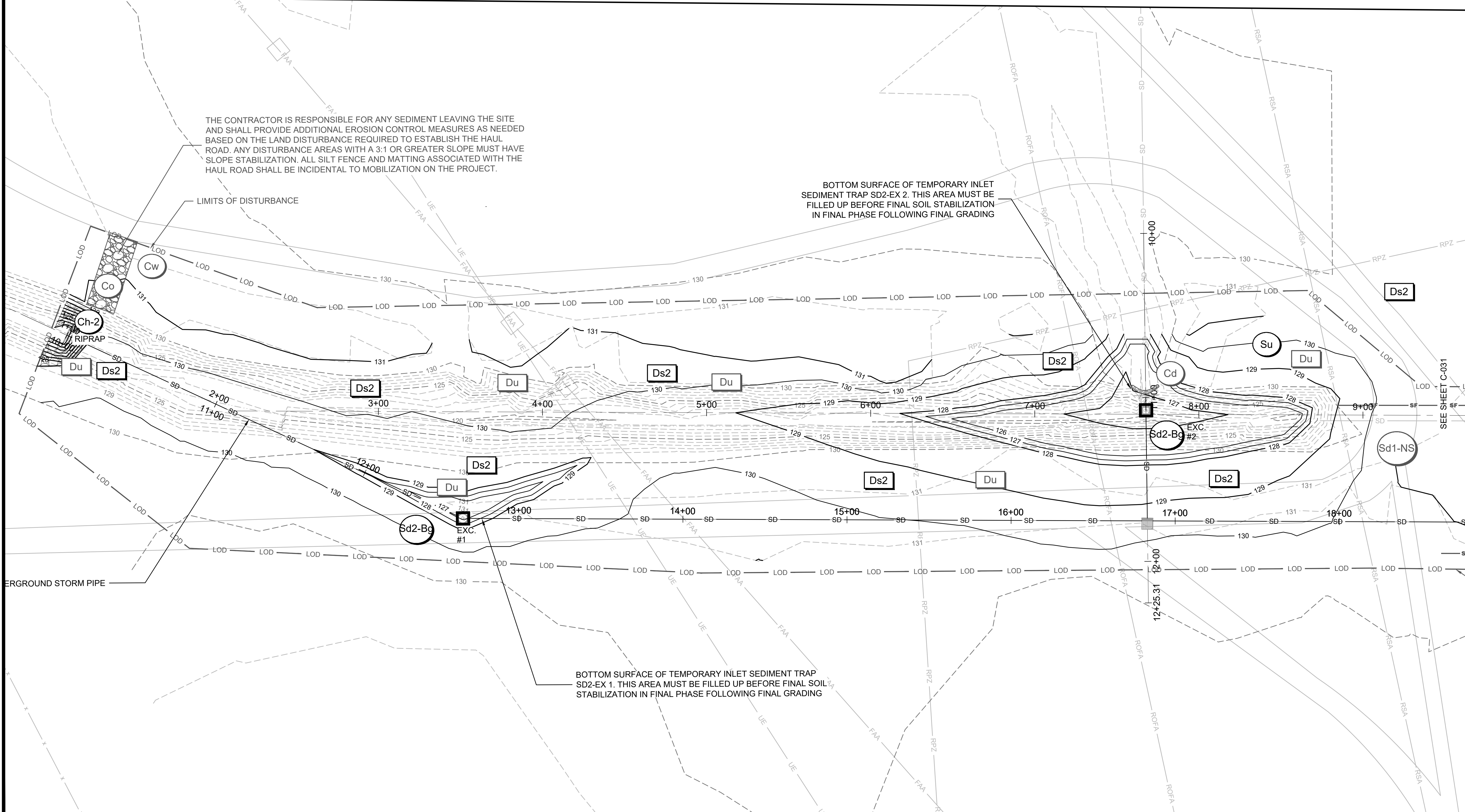


**Mead & Hunt**  
 Mead and Hunt, Inc.  
 5955 Core Road, Suite 515  
 North Charleston, SC 29406  
 phone: 843-486-8330  
 meadhunt.com

**AGS AUGUSTA REGIONAL AIRPORT**

**AULICK ENGINEERING LLC**  
 STORMWATER | HYDRAULICS | EROSION CONTROL  
 AIRFIELD & CIVIL SITE | CONSTRUCTION SERVICES

C:\AULICK\ENGINEERING\10\_M&H - PROJECTS\1001\_AGS\100122\_AGS DRAINAGE DITCH EAST - WEST\2 DESIGN\2 DWG\2E\_4 SHEETS\C-030.ES&PCP - GRADING PHASE.DWG  
 1/17/2025 3:40:02 PM



THE CONTRACTOR IS RESPONSIBLE FOR ANY SEDIMENT LEAVING THE SITE AND SHALL PROVIDE ADDITIONAL EROSION CONTROL MEASURES AS NEEDED BASED ON THE LAND DISTURBANCE REQUIRED TO ESTABLISH THE HAUL ROAD. ANY DISTURBANCE AREAS WITH A 3:1 OR GREATER SLOPE MUST HAVE SLOPE STABILIZATION. ALL SILT FENCE AND MATTING ASSOCIATED WITH THE HAUL ROAD SHALL BE INCIDENTAL TO MOBILIZATION ON THE PROJECT.

BOTTOM SURFACE OF TEMPORARY INLET SEDIMENT TRAP SD2-EX 2. THIS AREA MUST BE FILLED UP BEFORE FINAL SOIL STABILIZATION IN FINAL PHASE FOLLOWING FINAL GRADING

BOTTOM SURFACE OF TEMPORARY INLET SEDIMENT TRAP SD2-EX 1. THIS AREA MUST BE FILLED UP BEFORE FINAL SOIL STABILIZATION IN FINAL PHASE FOLLOWING FINAL GRADING

**AUGUSTA REGIONAL AIRPORT  
 SOUTHEAST DRAINAGE DITCH  
 ENCLOSURE PH II  
 1501 AVIATION WAY  
 AUGUSTA, GA 30906-9620**

10/22/2024  
 ISSUED FOR BID  
 01/07/2025  
 REVISION #1: ADDENDUM NO. 1

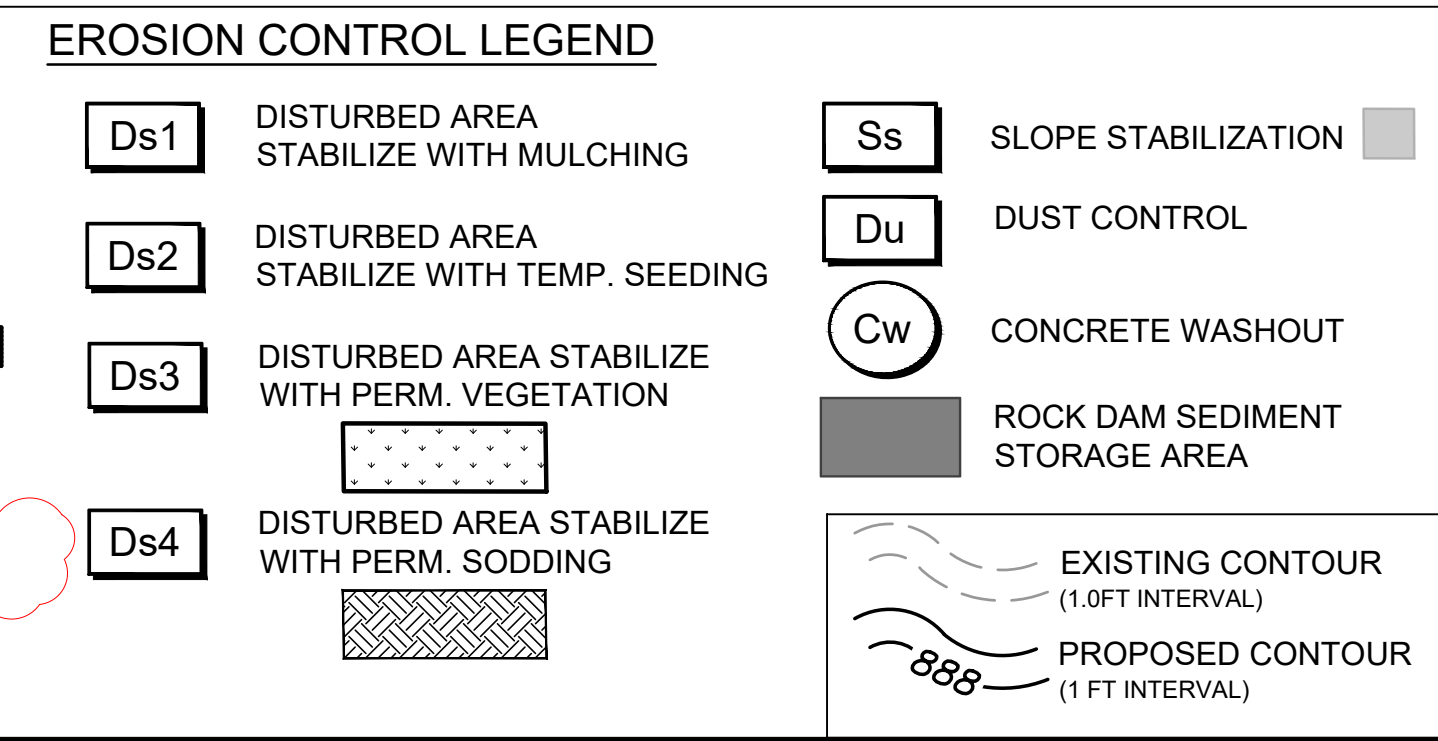
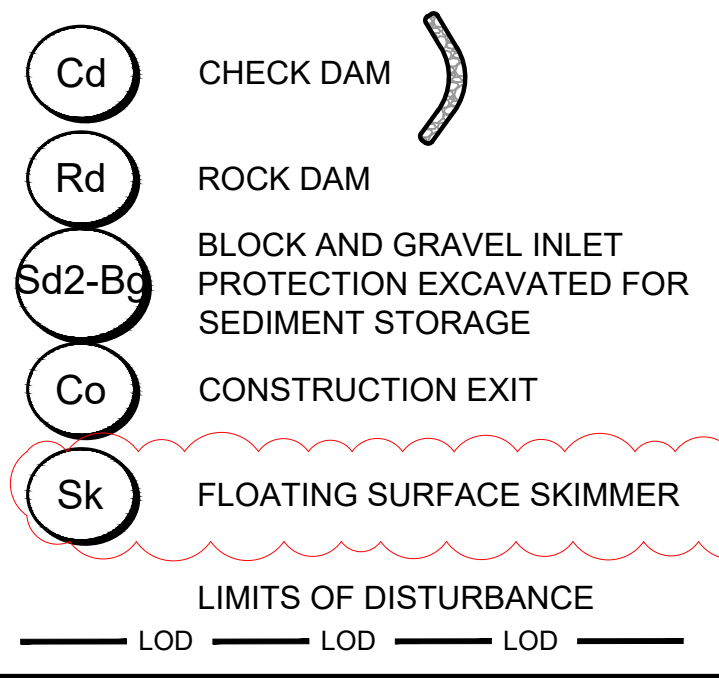
GSWCC LEVEL II DESIGN  
 PROFESSIONAL  
 CERTIFICATION # 0000098122  
 EXP. 04/26/2025

AG: 0119700-210463.01  
 DATE: OCTOBER 22, 2024  
 DESIGNED BY: CMJ  
 DRAWN BY: HCA  
 CHECKED BY: AKM  
 DO NOT SCALE DRAWINGS

SHEET CONTENTS  
 EROSION, SEDIMENT,  
 & POLLUTION  
 CONTROL PLAN-  
 GRADING PHASE

SHEET NO.  
**C-030**





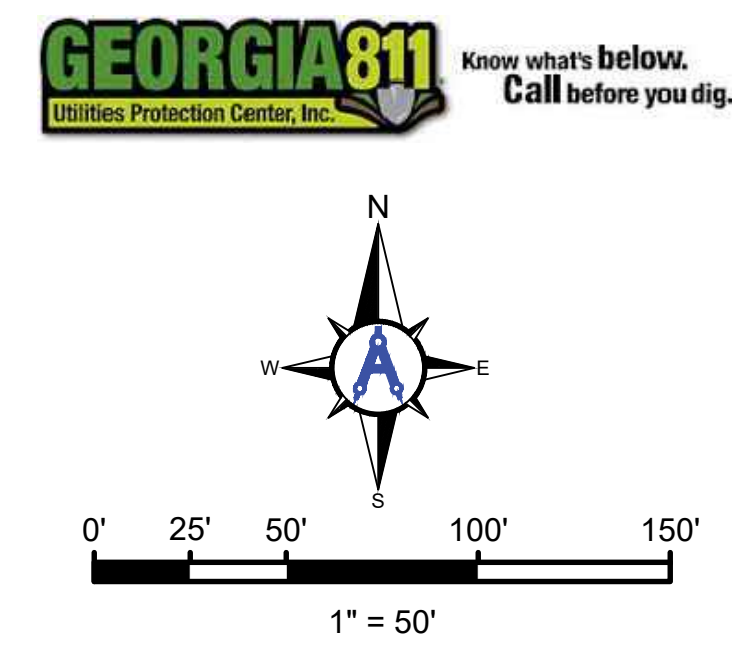
- ### ES&PCP SEQUENCE - GRADING PHASE
1. MAINTAIN CONSTRUCTION EXIT AND PERIMETER CONTROLS.
  2. BEGIN EARTHMOVING OPERATIONS.
  3. ADD Cd-S IN NEW CHANNELS.
  4. INSTALL SLOPE STABILIZATION (Ss) ON ALL FILL SLOPES.
  5. INSTALL INLET SEDIMENT TRAPS (Sd2) AND EXCAVATED INLET SEDIMENT TRAPS (Sd2-Bg EXC.)
  6. AT THE END OF EACH DAY, STABILIZE ANY AREAS THAT WILL NOT BE RE-DISTURBED WITHIN 14 DAYS WITH TEMPORARY MULCHING OR TEMPORARY VEGETATION (Ds1, Ds2). ANY SLOPES GREATER THAN 5FT SHALL RECEIVE MATTING AND GRASSING.
  7. APPLY SLOPE STABILIZATION (Ss) ON SLOPES 3:1 OR STEEPER.
  8. APPLY DUST CONTROL (Du) WHEN WARRANTED.
  9. MAINTAIN AND CLEAN UP ALL EROSION CONTROL STRUCTURES DURING THE PROJECT DURATION.
  10. PROVIDE ADDITIONAL MEASURES AS NECESSARY TO PREVENT THE ESCAPE OF SEDIMENT FROM THE SITE.
  11. NOTIFY DESIGN ENGINEER IF ANY SEDIMENT EXITS THE PROJECT LIMITS.
  12. CONSTRUCTION SEQUENCE IS RECOMMENDED BUT DOES NOT RELIEVE THE CONTRACTOR OF THE LIABILITY TO MEET PERMIT REQUIREMENTS.

### GENERAL EROSION CONTROL NOTES

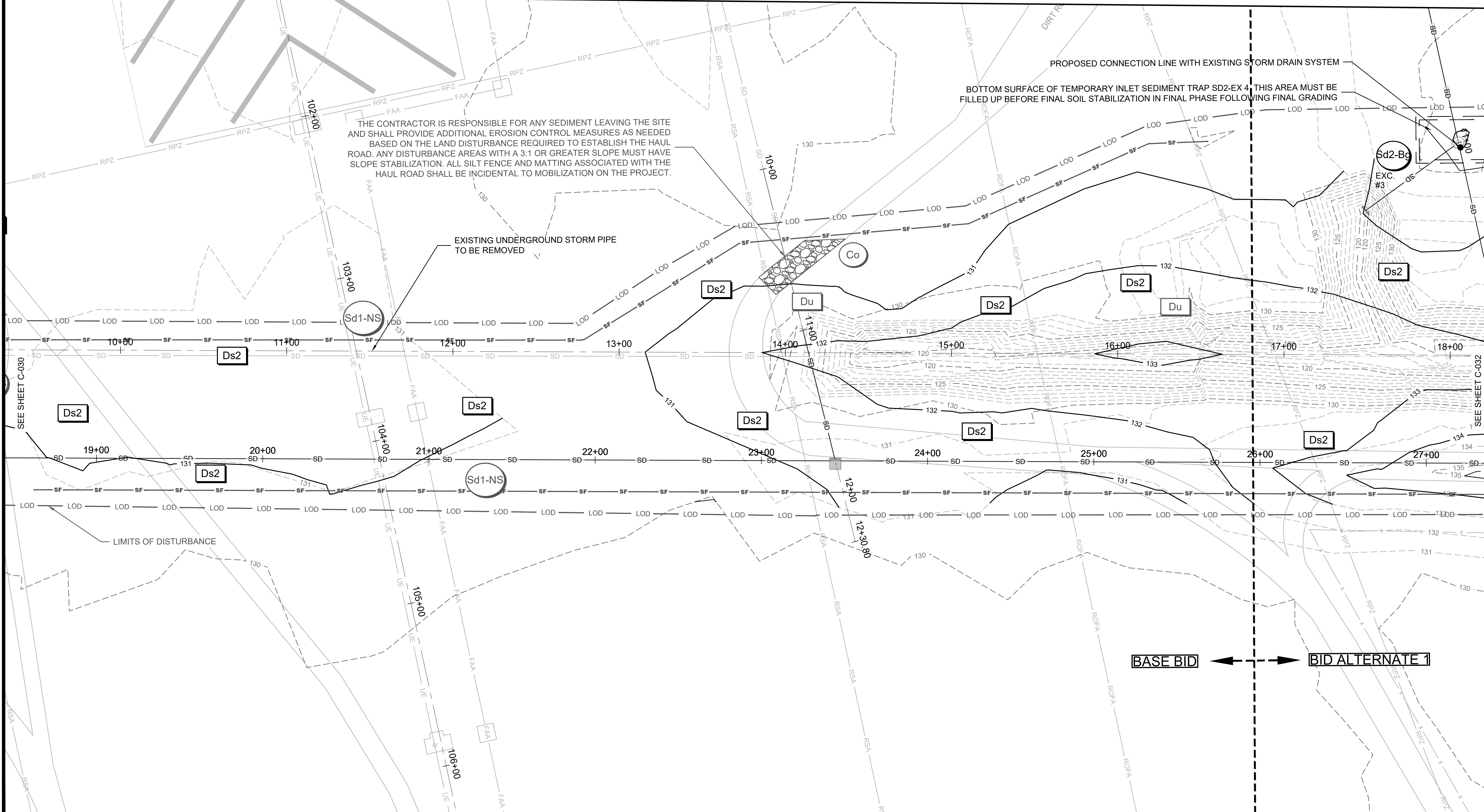
"THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES."

"EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."

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



Mead and Hunt, Inc.  
5955 Core Road, Suite 515  
North Charleston, SC 29406  
phone: 843-486-8330  
meadhunt.com



© Copyright 2022 Mead & Hunt, Inc.  
This document, or any portion thereof, shall not be duplicated, discussed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.

# AUGUSTA REGIONAL AIRPORT SOUTHEAST DRAINAGE DITCH ENCLOSURE PH II 1501 AVIATION WAY AUGUSTA, GA 30906-9620

10/22/2024  
ISSUED FOR BID  
01/07/2025  
REVISION #1: ADDENDUM NO. 1

GSWCC LEVEL II DESIGN  
PROFESSIONAL  
CERTIFICATION # 0000098122  
EXP. 04/26/2025

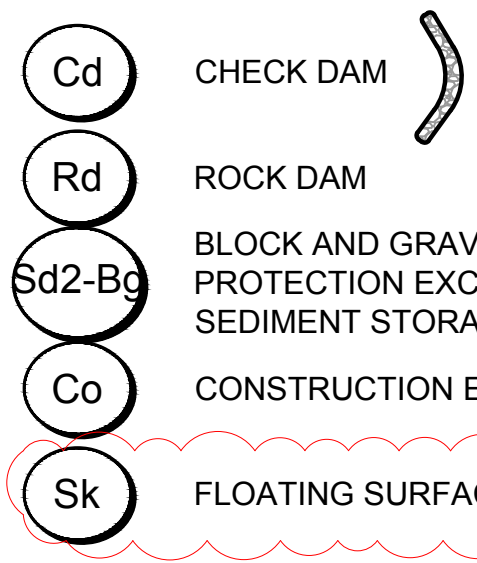
AIG:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: CMJ  
DRAWN BY: HCA  
CHECKED BY: AKM  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
EROSION, SEDIMENT,  
& POLLUTION  
CONTROL PLAN-  
GRADING PHASE

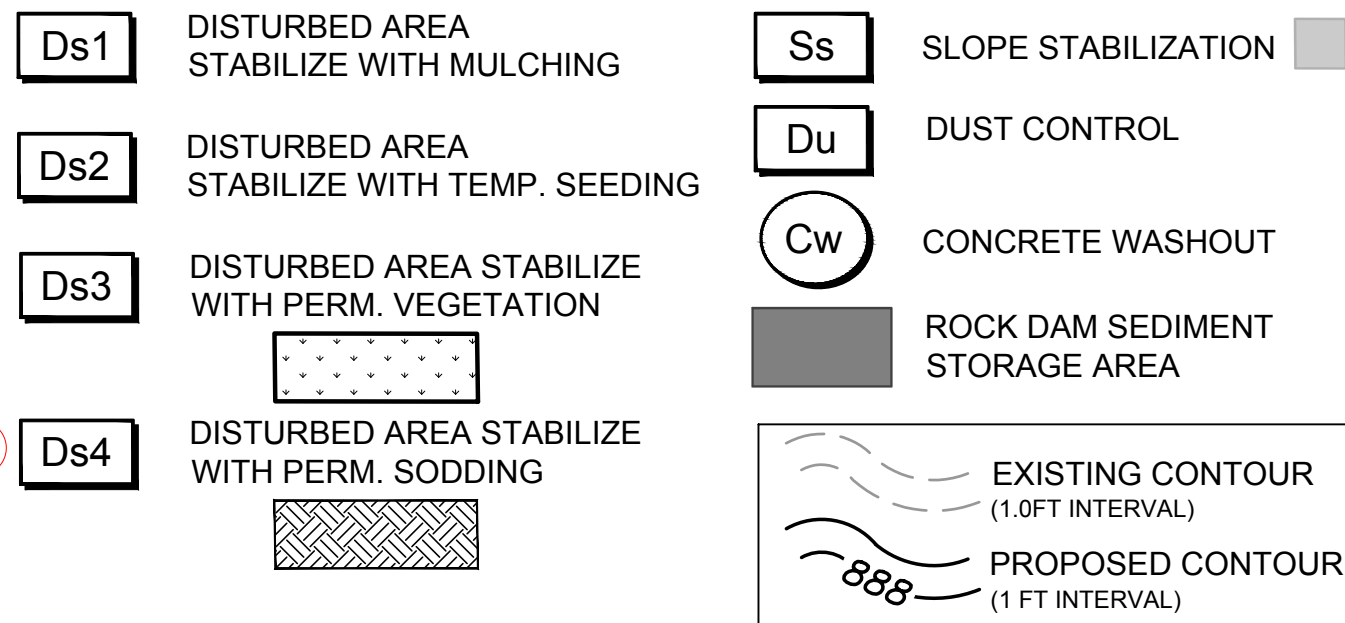
SHEET NO.  
**C-031**

C:\AULICK\AULICK ENGINEERING\10\_M&H - PROJECTS\1001\_AGS\100122\_AGS DRAINAGE DITCH EAST-WEST\2 DESIGN\2E DWG\2E.4 SHEETS\C-024.ESP\CP - GRADING PHASE.DWG 1/7/2025 3:40:13 PM





**EROSION CONTROL LEGEND**



**ES&PCP SEQUENCE - GRADING PHASE**

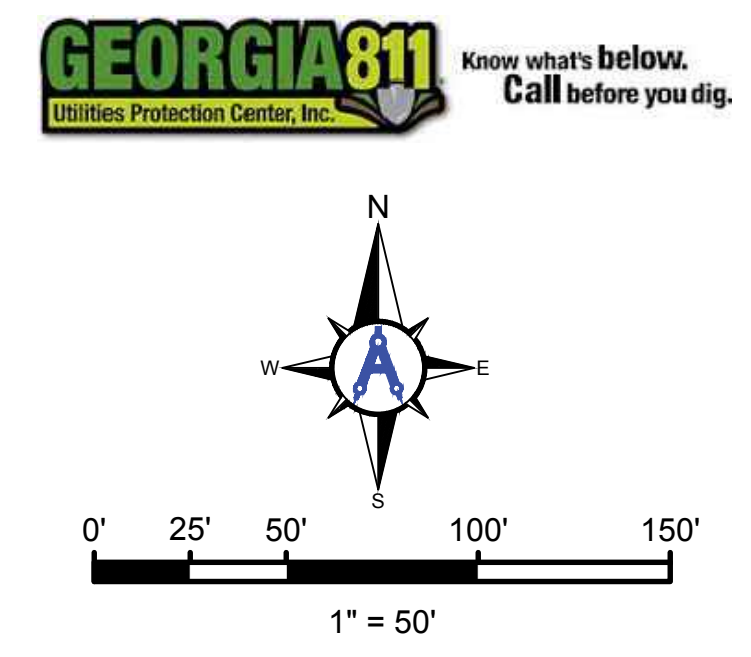
1. MAINTAIN CONSTRUCTION EXIT AND PERIMETER CONTROLS.
2. BEGIN EARTHMOVING OPERATIONS.
3. ADD Cd-S IN NEW CHANNELS.
4. INSTALL SLOPE STABILIZATION (Ss) ON ALL FILL SLOPES.
5. INSTALL INLET SEDIMENT TRAPS (Sd2-) AND EXCAVATED INLET SEDIMENT TRAPS (Sd2-Bg EXC.)
6. AT THE END OF EACH DAY, STABILIZE ANY AREAS THAT WILL NOT BE RE-DISTURBED WITHIN 14 DAYS WITH TEMPORARY MULCHING OR TEMPORARY VEGETATION (Ds1, Ds2). ANY SLOPES GREATER THAN 5FT SHALL RECEIVE MATTING AND GRASSING.
7. APPLY SLOPE STABILIZATION (Ss) ON SLOPES 3:1 OR STEEPER.
8. APPLY DUST CONTROL (Du) WHEN WARRANTED.
9. PROVIDE ADDITIONAL MEASURES AS NECESSARY TO PREVENT THE ESCAPE OF SEDIMENT FROM THE SITE.
10. NOTIFY DESIGN ENGINEER IF ANY SEDIMENT EXITS THE PROJECT LIMITS.
11. CONSTRUCTION SEQUENCE IS RECOMMENDED BUT DOES NOT RELIEVE THE CONTRACTOR OF THE LIABILITY TO MEET PERMIT REQUIREMENTS.

**GENERAL EROSION CONTROL NOTES**

"THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES."

"EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."

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

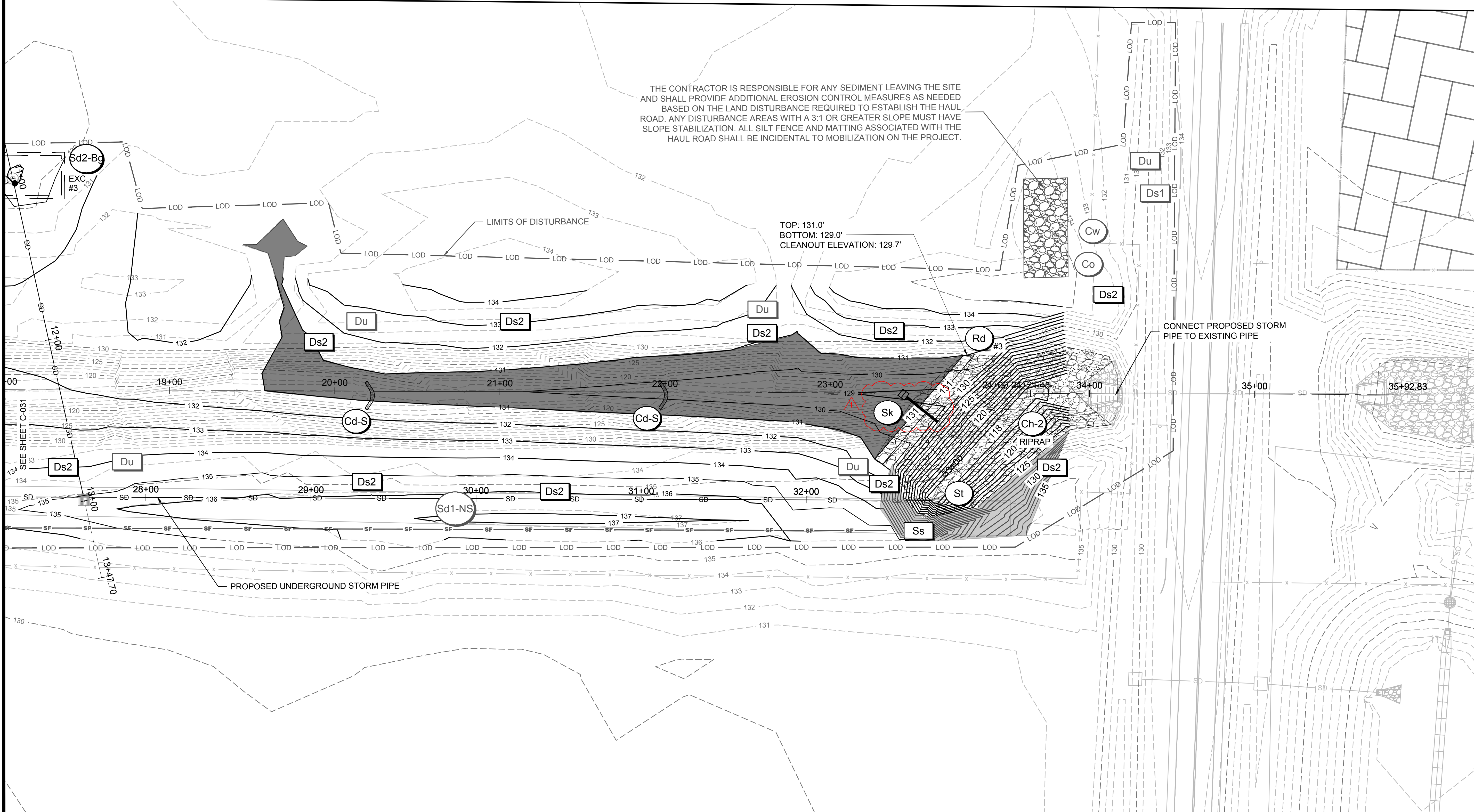


**Mead & Hunt**  
 Mead and Hunt, Inc.  
 5955 Core Road, Suite 515  
 North Charleston, SC 29406  
 phone: 843-486-8330  
 meadhunt.com

**AGS AUGUSTA REGIONAL AIRPORT**

**AULICK ENGINEERING LLC**  
 STORMWATER | HYDRAULICS | EROSION CONTROL  
 AIRFIELD & CIVIL SITE | CONSTRUCTION SERVICES

© Copyright 2022 Mead & Hunt, Inc.  
 This document, or any portion thereof, shall not be duplicated, discussed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.



**AUGUSTA REGIONAL AIRPORT  
 SOUTHEAST DRAINAGE DITCH  
 ENCLOSURE PH II  
 1501 AVIATION WAY  
 AUGUSTA, GA 30906-9620**

10/22/2024  
 ISSUED FOR BID  
 01/07/2025  
 REVISION #: ADDENDUM NO. 1

GSWCC LEVEL II DESIGN  
 PROFESSIONAL  
 CERTIFICATION # 0000098122  
 EXP. 04/26/2025

AIG:  
 M&H NO.: 0119700-210463.01  
 DATE: OCTOBER 22, 2024  
 DESIGNED BY: CMJ  
 DRAWN BY: HCA  
 CHECKED BY: AKM  
 DO NOT SCALE DRAWINGS

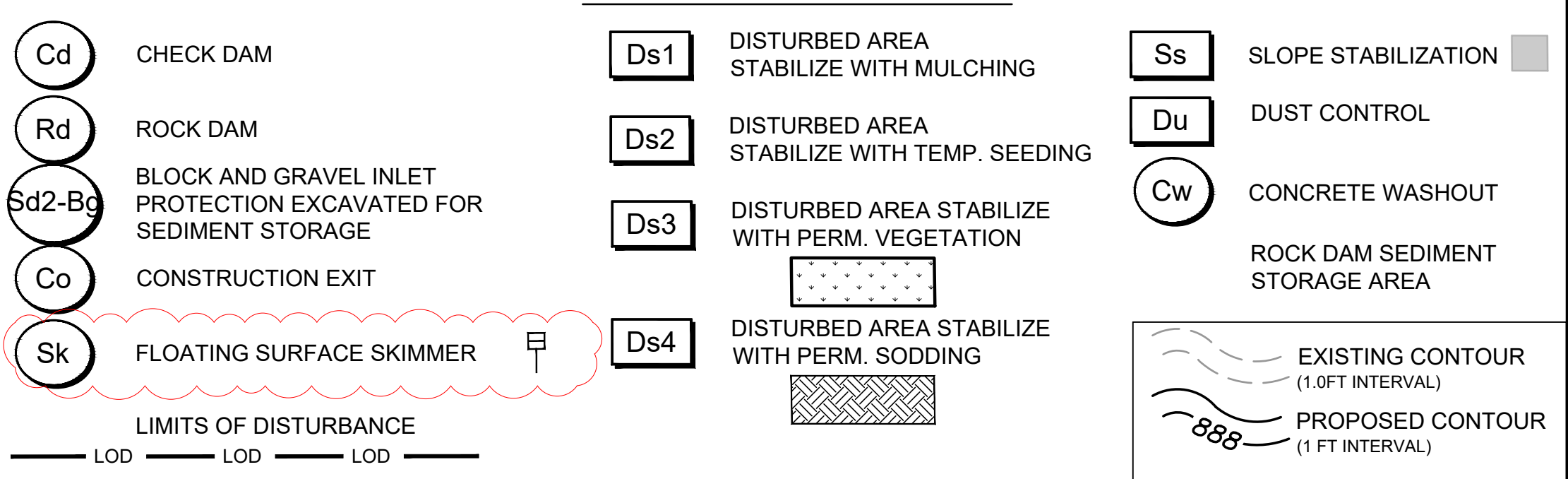
SHEET CONTENTS  
 EROSION, SEDIMENT,  
 & POLLUTION  
 CONTROL PLAN-  
 GRADING PHASE

SHEET NO.

**C-032**

C:\AULICK\ENGINEERING\10\_M&H - PROJECTS\1001\_AGS\100122\_AGS\_DRAINAGE DITCH EAST-WEST\2 DESIGN\2E DWG\2E\_4 SHEETS\C-024.ESP\CP - GRADING PHASE.DWG 1/7/2025 4:43:34 PM





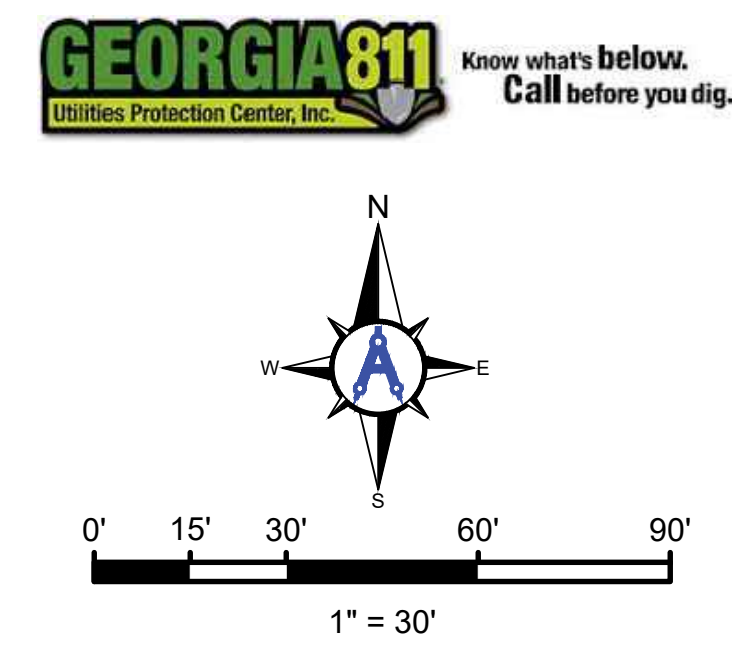
- #### ES&PCP SEQUENCE - FINAL PHASE
1. MAINTAIN ALL BMPs FROM PREVIOUS PHASES AS SHOWN ON PLANS.
  2. NOTIFY DESIGN ENGINEER IF ANY SEDIMENT EXITS THE PROJECT LIMITS.
  3. PRIOR TO REMOVING ANY BMPs, MAINTAIN BMPs AND REMOVE SEDIMENT TO HAUL OFFSITE SO THAT WHEN BMPs ARE REMOVED, NO ADDITIONAL SEDIMENT WILL ESCAPE DOWNSTREAM.
  4. REMOVE ALL BMPs THAT ARE IN AREAS THAT HAVE UNDERGONE FINAL STABILIZATION. KEEP BMPs IN PLACE WHERE UPSTREAM AREAS DO NOT HAVE 70% COVERAGE IN 100% OF THE AREA. REMOVE THESE BMPs ONLY AFTER THE AREAS HAVE REACHED FINAL STABILIZATION.
  5. MAINTAIN AND CLEAN UP ALL EROSION CONTROL STRUCTURES UNTIL FINAL STABILIZATION. INSTALL ADDITIONAL MEASURES AS NEEDED.
  8. STABILIZE AREAS WITH PERMANENT VEGETATION (Ds3).
  9. INSTALL SOD (Ds4) AT NEW INLETS.
  10. ONCE SITE HAS REACHED FINAL STABILIZATION, NOTIFY ENGINEER AND AIRPORT FOR INSPECTION PRIOR TO FILING THE NOT.
  11. CONSTRUCTION SEQUENCE IS RECOMMENDED BUT DOES NOT RELIEVE THE CONTRACTOR OF THE LIABILITY TO MEET PERMIT REQUIREMENTS.

#### GENERAL EROSION CONTROL NOTES

"THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES."

"EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."

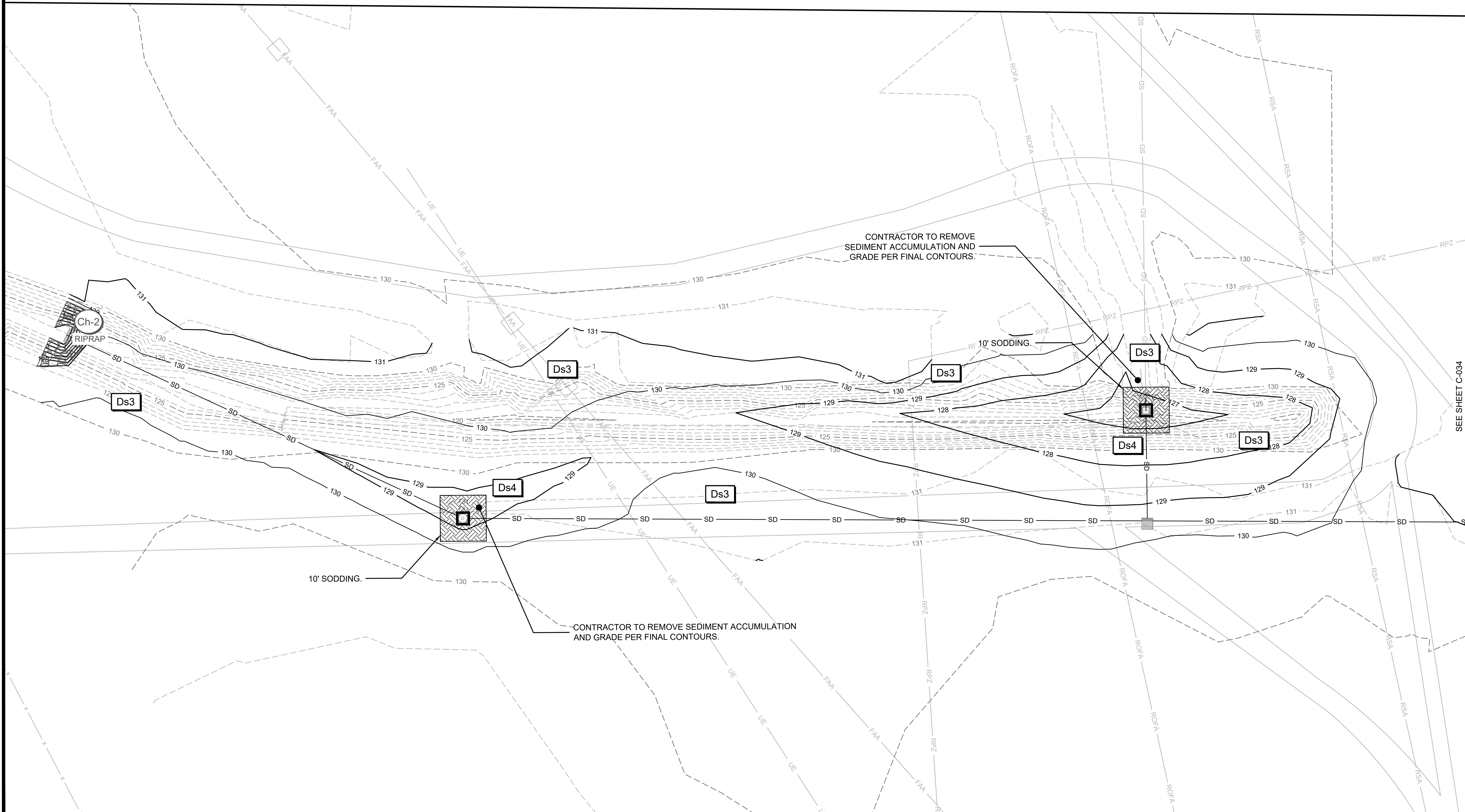
"ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING."



Mead and Hunt, Inc.  
5955 Core Road, Suite 515  
North Charleston, SC 29406  
phone: 843-486-8330  
meadhunt.com

AGS AUGUSTA REGIONAL AIRPORT

AULICK ENGINEERING LLC  
STORMWATER • HYDRAULICS • EROSION CONTROL  
AIRFIELD & CIVIL SITE • CONSTRUCTION SERVICES



© Copyright 2022 Mead & Hunt, Inc.  
This document, or any portion thereof, shall not be duplicated, discussed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.

## AUGUSTA REGIONAL AIRPORT SOUTHEAST DRAINAGE DITCH ENCLOSURE PH II 1501 AVIATION WAY AUGUSTA, GA 30906-9620

10/22/2024  
ISSUED FOR BID  
01/07/2025  
REVISION #1: ADDENDUM NO. 1

GSWCC LEVEL II DESIGN  
PROFESSIONAL  
CERTIFICATION # 0000098122  
EXP. 04/26/2025

AIG:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: CMJ  
DRAWN BY: HCA  
CHECKED BY: AKM  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
EROSION, SEDIMENT,  
& POLLUTION  
CONTROL PLAN- FINAL  
PHASE

SHEET NO.  
**C-033**



EROSION CONTROL LEGEND			
	CHECK DAM		DISTURBED AREA STABILIZE WITH MULCHING
	ROCK DAM		DISTURBED AREA STABILIZE WITH TEMP. SEEDING
	BLOCK AND GRAVEL INLET PROTECTION EXCAVATED FOR SEDIMENT STORAGE		DISTURBED AREA STABILIZE WITH PERM. VEGETATION
	CONSTRUCTION EXIT		DISTURBED AREA STABILIZE WITH PERM. SODDING
	FLOATING SURFACE SKIMMER		SLOPE STABILIZATION
LIMITS OF DISTURBANCE			DUST CONTROL
	LOD		CONCRETE WASHOUT
	LOD	ROCK DAM SEDIMENT STORAGE AREA	
	LOD		EXISTING CONTOUR (1.0 FT INTERVAL)
			PROPOSED CONTOUR (1 FT INTERVAL)

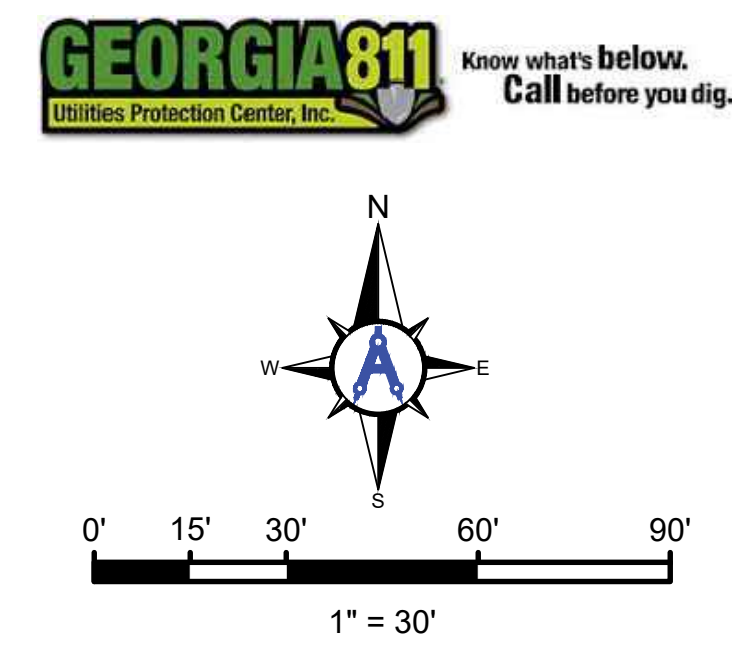
- ES&PCP SEQUENCE - FINAL PHASE**
1. MAINTAIN ALL BMPs FROM PREVIOUS PHASES AS SHOWN ON PLANS.
  2. NOTIFY DESIGN ENGINEER IF ANY SEDIMENT EXITS THE PROJECT LIMITS.
  3. PRIOR TO REMOVING ANY BMPs, MAINTAIN BMPs AND REMOVE SEDIMENT TO HAUL OFFSITE SO THAT WHEN BMPs ARE REMOVED, NO ADDITIONAL SEDIMENT WILL ESCAPE DOWNSTREAM.
  4. REMOVE ALL BMPs THAT ARE IN AREAS THAT HAVE UNDERGONE FINAL STABILIZATION. KEEP BMPs IN PLACE WHERE UPSTREAM AREAS DO NOT HAVE 70% COVERAGE IN 100% OF THE AREA. REMOVE THESE BMPs ONLY AFTER THE AREAS HAVE REACHED FINAL STABILIZATION.
  5. MAINTAIN AND CLEAN UP ALL EROSION CONTROL STRUCTURES UNTIL FINAL STABILIZATION. INSTALL ADDITIONAL MEASURES AS NEEDED.
  6. STABILIZE AREAS WITH PERMANENT VEGETATION (Ds3).
  7. INSTALL SOD (Ds4) AT NEW INLETS.
  8. ONCE SITE HAS REACHED FINAL STABILIZATION, NOTIFY ENGINEER AND AIRPORT FOR INSPECTION PRIOR TO FILING THE NOT.
  9. CONSTRUCTION SEQUENCE IS RECOMMENDED BUT DOES NOT RELIEVE THE CONTRACTOR OF THE LIABILITY TO MEET PERMIT REQUIREMENTS.

**GENERAL EROSION CONTROL NOTES**

"THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES."

"EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."

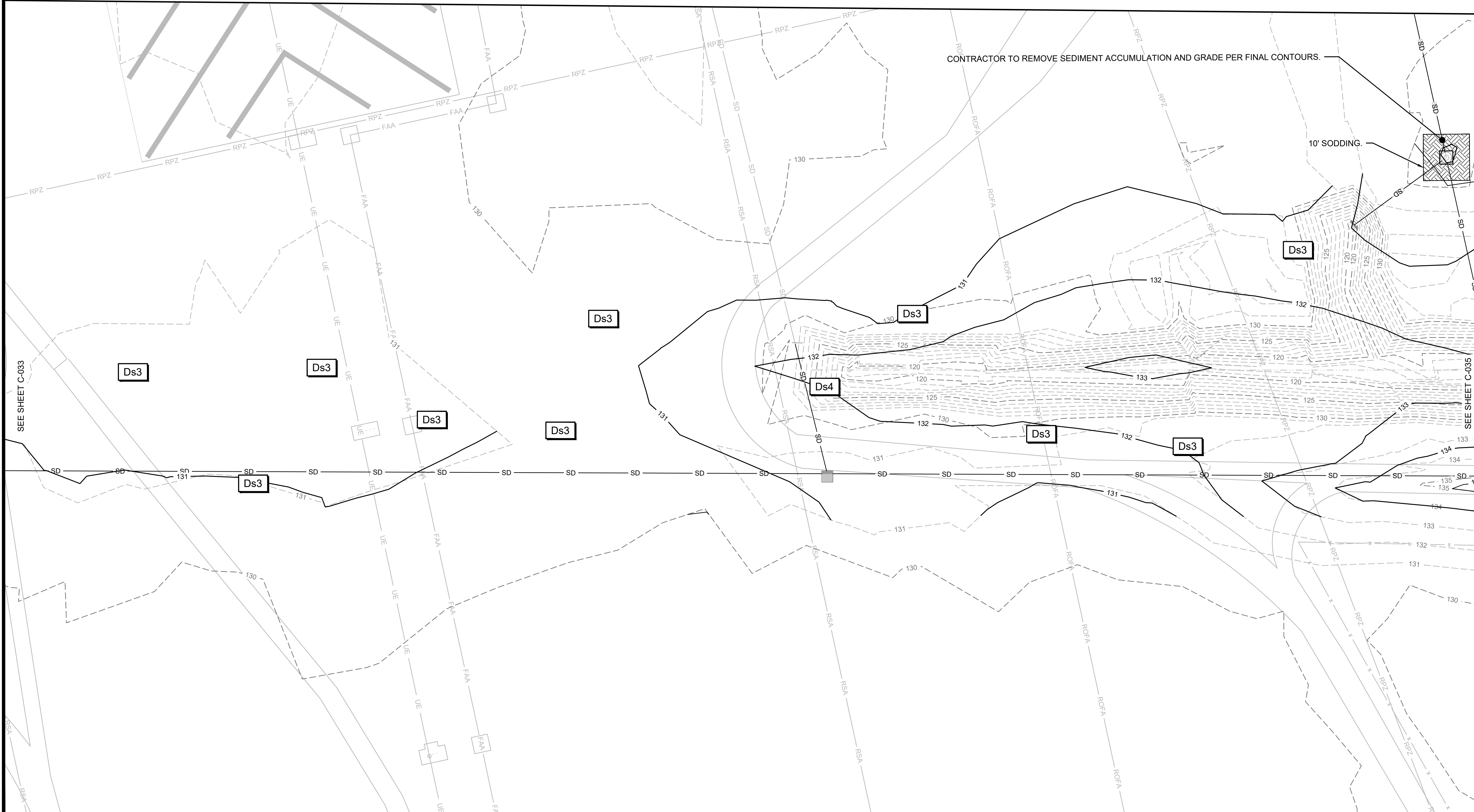
"ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING."



**Mead & Hunt**  
 Mead and Hunt, Inc.  
 5955 Core Road, Suite 515  
 North Charleston, SC 29406  
 phone: 843-486-8330  
 meadhunt.com

**AGS AUGUSTA REGIONAL AIRPORT**

**AULICK ENGINEERING LLC**  
 STORMWATER | HYDRAULICS | EROSION CONTROL  
 AIRFIELD & CIVIL SITE | CONSTRUCTION SERVICES



© Copyright 2022 Mead & Hunt, Inc.  
 This document, or any portion thereof, shall not be duplicated, disclosed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.

**AUGUSTA REGIONAL AIRPORT  
 SOUTHEAST DRAINAGE DITCH  
 ENCLOSURE PH II  
 1501 AVIATION WAY  
 AUGUSTA, GA 30906-9620**

10/22/2024  
 ISSUED FOR BID  
 01/07/2025  
 REVISION #: ADDENDUM NO. 1

GSWCC LEVEL II DESIGN  
 PROFESSIONAL  
 CERTIFICATION # 0000098122  
 EXP. 04/26/2025

AIG:  
 M&H NO.: 0119700-210463.01  
 DATE: OCTOBER 22, 2024  
 DESIGNED BY: CMJ  
 DRAWN BY: HCA  
 CHECKED BY: AKM  
 DO NOT SCALE DRAWINGS

SHEET CONTENTS  
 EROSION, SEDIMENT,  
 & POLLUTION  
 CONTROL PLAN- FINAL  
 PHASE

SHEET NO.  
**C-034**



- Cd** CHECK DAM
- Rd** ROCK DAM
- Sd2-Bg** BLOCK AND GRAVEL INLET PROTECTION EXCAVATED FOR SEDIMENT STORAGE
- Co** CONSTRUCTION EXIT
- Sk** FLOATING SURFACE SKIMMER

**EROSION CONTROL LEGEND**

- Ds1** DISTURBED AREA STABILIZE WITH MULCHING
- Ds2** DISTURBED AREA STABILIZE WITH TEMP. SEEDING
- Ds3** DISTURBED AREA STABILIZE WITH PERM. VEGETATION
- Ds4** DISTURBED AREA STABILIZE WITH PERM. SODDING
- Ss** SLOPE STABILIZATION
- Du** DUST CONTROL
- Cw** CONCRETE WASHOUT
- ROCK DAM SEDIMENT STORAGE AREA
- EXISTING CONTOUR (1.0FT INTERVAL)
- PROPOSED CONTOUR (1 FT INTERVAL)

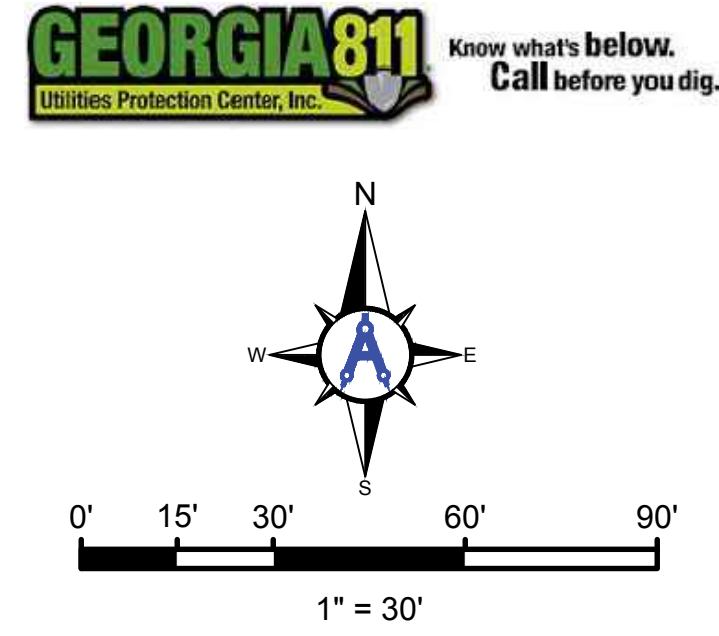
- ES&PCP SEQUENCE - FINAL PHASE**
1. MAINTAIN ALL BMPs FROM PREVIOUS PHASES AS SHOWN ON PLANS.
  2. NOTIFY DESIGN ENGINEER IF ANY SEDIMENT EXITS THE PROJECT LIMITS.
  3. PRIOR TO REMOVING ANY BMPs, MAINTAIN BMPs AND REMOVE SEDIMENT TO HAUL OFFSITE SO THAT WHEN BMPs ARE REMOVED, NO ADDITIONAL SEDIMENT WILL ESCAPE DOWNSTREAM.
  4. REMOVE ALL BMPs THAT ARE IN AREAS THAT HAVE UNDERGONE FINAL STABILIZATION. KEEP BMPs IN PLACE WHERE UPSTREAM AREAS DO NOT HAVE 70% COVERAGE IN 100% OF THE AREA. REMOVE THESE BMPs ONLY AFTER THE AREAS HAVE REACHED FINAL STABILIZATION.
  5. MAINTAIN AND CLEAN UP ALL EROSION CONTROL STRUCTURES UNTIL FINAL STABILIZATION. INSTALL ADDITIONAL MEASURES AS NEEDED.
  6. STABILIZE AREAS WITH PERMANENT VEGETATION (Ds3).
  7. INSTALL SOD (Ds4) AT NEW INLETS.
  8. ONCE SITE HAS REACHED FINAL STABILIZATION, NOTIFY ENGINEER AND AIRPORT FOR INSPECTION PRIOR TO FILING THE NOT.
  9. CONSTRUCTION SEQUENCE IS RECOMMENDED BUT DOES NOT RELIEVE THE CONTRACTOR OF THE LIABILITY TO MEET PERMIT REQUIREMENTS.

**GENERAL EROSION CONTROL NOTES**

"THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES."

"EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."

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



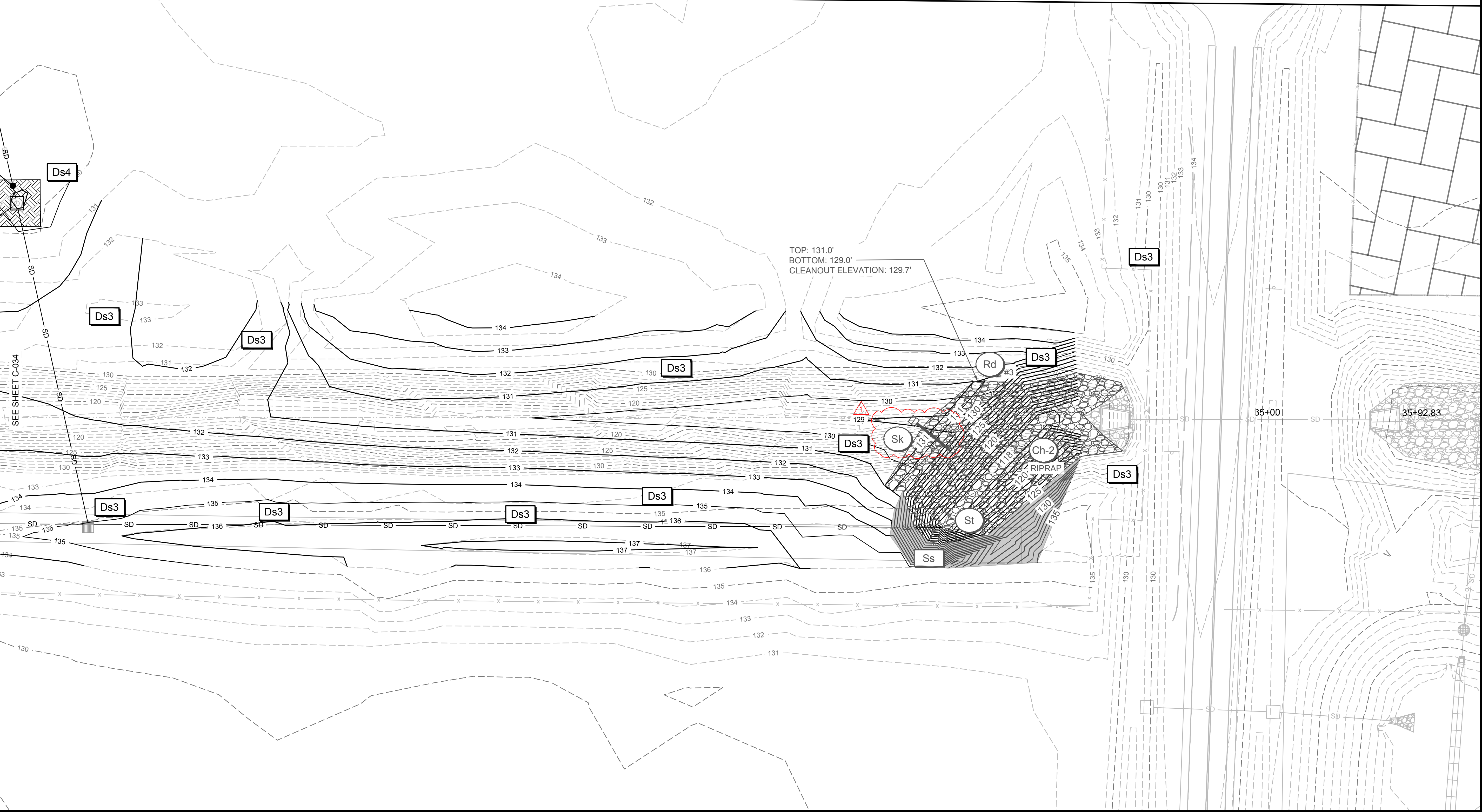
**Mead & Hunt**

Mead and Hunt, Inc.  
5955 Core Road, Suite 515  
North Charleston, SC 29406  
phone: 843-486-8330  
meadhunt.com

**AGS AUGUSTA REGIONAL AIRPORT**

**AULICK ENGINEERING LLC**  
STORMWATER | HYDRAULICS | EROSION CONTROL  
AIRFIELD & CIVIL SITE | CONSTRUCTION SERVICES

© Copyright 2022 Mead & Hunt, Inc. This document, or any portion thereof, shall not be duplicated, discussed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.



**AUGUSTA REGIONAL AIRPORT  
SOUTHEAST DRAINAGE DITCH  
ENCLOSURE PH II**

1501 AVIATION WAY  
AUGUSTA, GA 30906-9620

10/22/2024  
ISSUED FOR BID  
01/07/2025  
REVISION #1: ADDENDUM NO. 1

GSWCC LEVEL II DESIGN  
PROFESSIONAL  
CERTIFICATION # 0000098122  
EXP. 04/26/2025

AIG:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: CMJ  
DRAWN BY: HCA  
CHECKED BY: AKM  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
EROSION, SEDIMENT,  
& POLLUTION  
CONTROL PLAN- FINAL  
PHASE

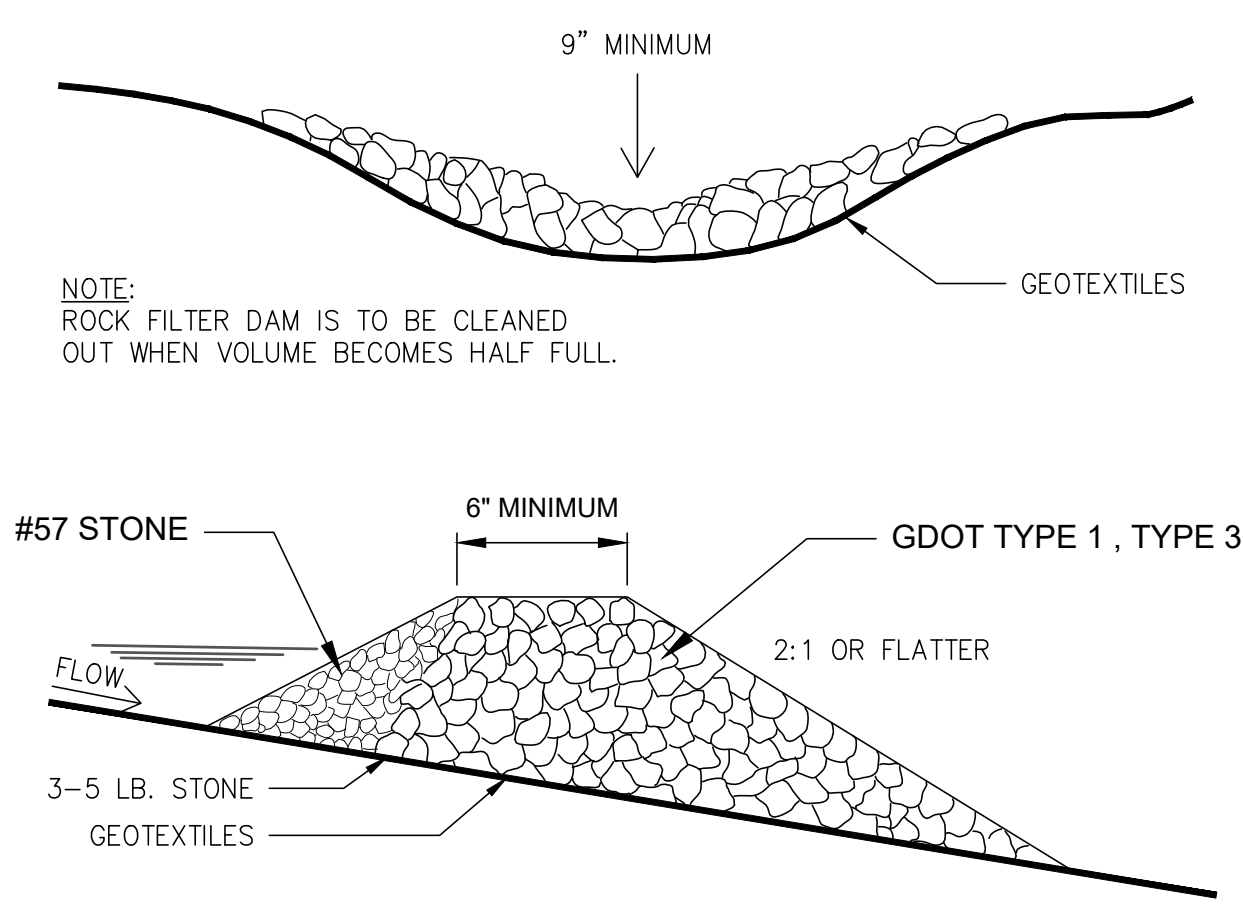
SHEET NO.  
**C-035**



Rd

### ROCK FILTER DAM

Figure 6-24.1



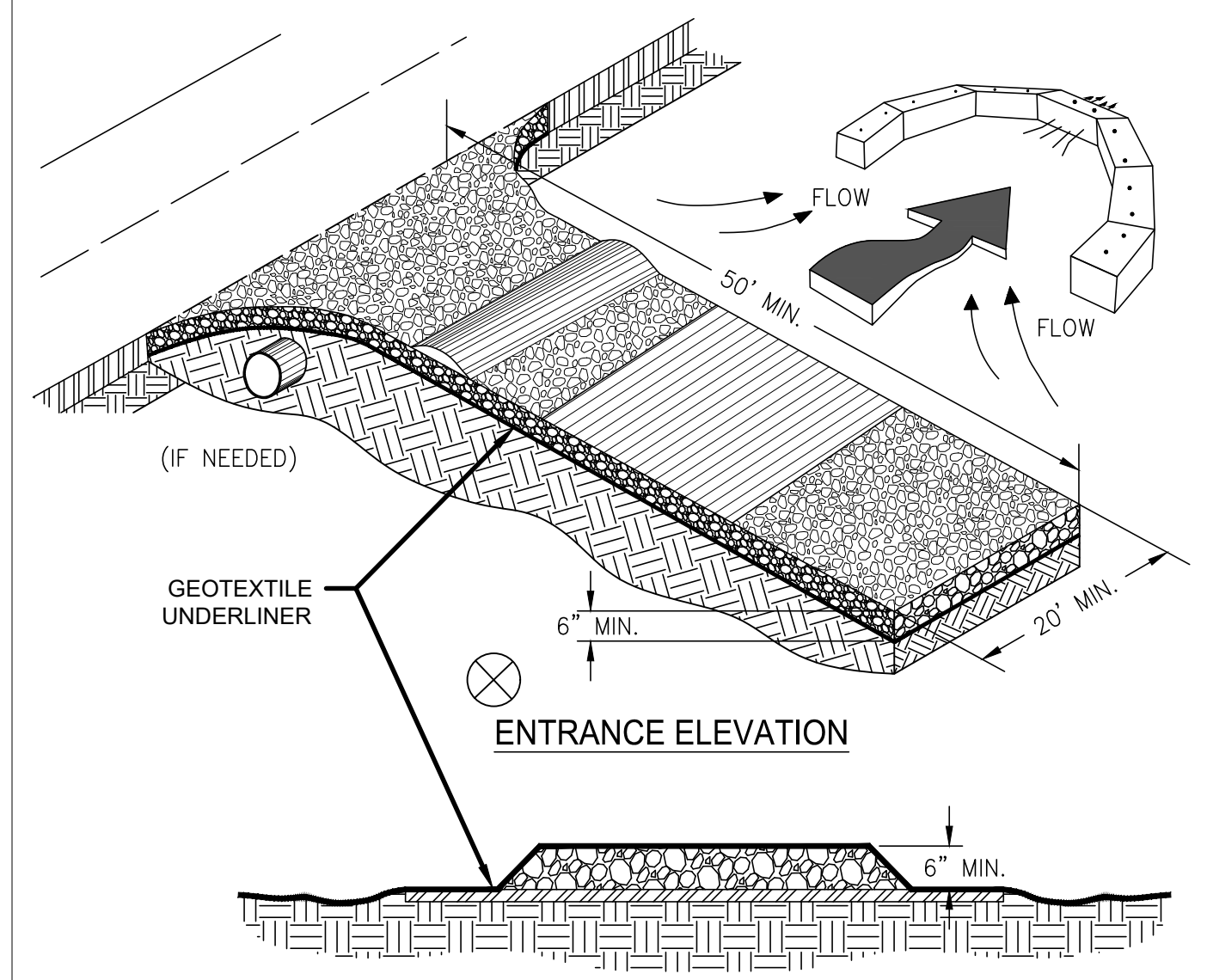
Rd #	BOTTOM ELEV.	TOP ELEV.	DRAINAGE AREA (ac)	SEDIMENT STORAGE REQUIRED (cf)	SEDIMENT STORAGE PROVIDED* (cf)
1	120.0	123.00	2.94	5,324	18,442
2	117.0	119.00	6.67	12,066	12,294
3	129.0	131.00	4.38	7,917	24,963

\*Note: Rock dam (Rd) to back up water into channel and provide sediment storage. Sediment Storage Provided is the volume of the channel between the provided elevations.

Co

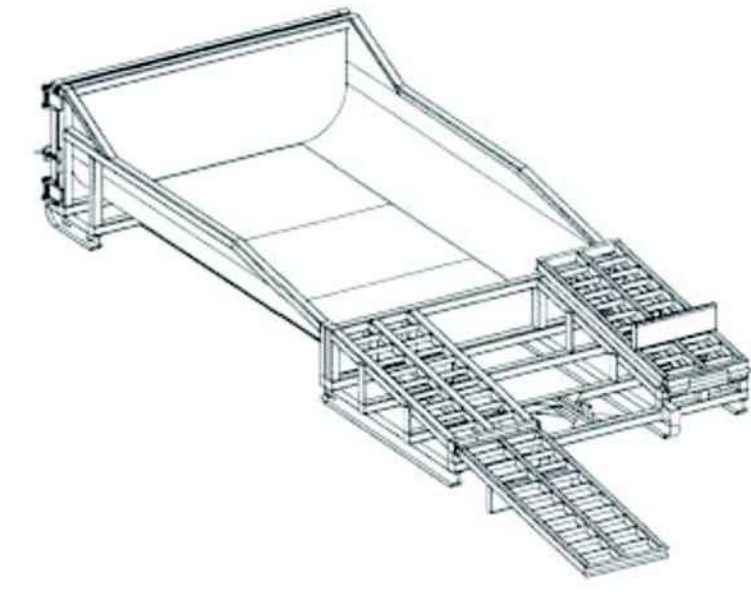
### CRUSHED STONE CONSTRUCTION EXIT

Figure 6-14.1  
EXIT DIAGRAM



- NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
  2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
  3. 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 20'.
  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.
  8. 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).
  9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE 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.

### PORTABLE CONCRETE WASHOUT CONTAINER



**CONCRETE WASHOUT SYSTEMS**

PO Box 2804  
Carmichael, CA 95609  
Phone: 1.877.292.7468  
Fax: 1.916.244.0403  
info@concretewashout.com  
www.concretewashout.com  
Patent Pending

**DESCRIPTION**  
A portable, self-contained and watertight container affixed with ramps that controls, captures and contains caustic concrete wastewater and washout material.

**PURPOSE & OBJECTIVE**  
Allows trade personnel to easily washout concrete trucks, pumps and other equipment associated with cement on site and allows easy off site recycling of the same concrete materials and wastewater.

**APPLICATION**  
Construction projects where concrete, stucco, mortar, grout and cement are used as a construction material or where cementitious wastewater is created.

**MAINTENANCE**  
Inspect and clean out when ¾ full, not allowing the container to overflow.  
Inspect wastewater level and request a vacuum if needed.  
Inspect subcontractors to ensure that proper housekeeping measures are employed when washing out equipment.

**SPECIFICATIONS**  
The container must be portable and temporary, watertight, equipped with ramps and have a holding capacity to accept washout from approximately 350 yards of poured concrete. A vacuum service must accompany washout container and be used by site superintendent as needed. A rampless container may be used in conjunction with a ramped container or by itself if a concrete pump is not needed. The washwater must be disposed of or treated and recycled in an environmentally safe manner and in accordance with federal, state or local regulatory guidelines.

**TARGETED POLLUTANTS**  
Caustic wastewater (high pH level near 12 units)  
Suspended solids  
Assorted Metals; Chromium VI, Nickel, Sulfate, Potassium, Magnesium and Calcium Compounds

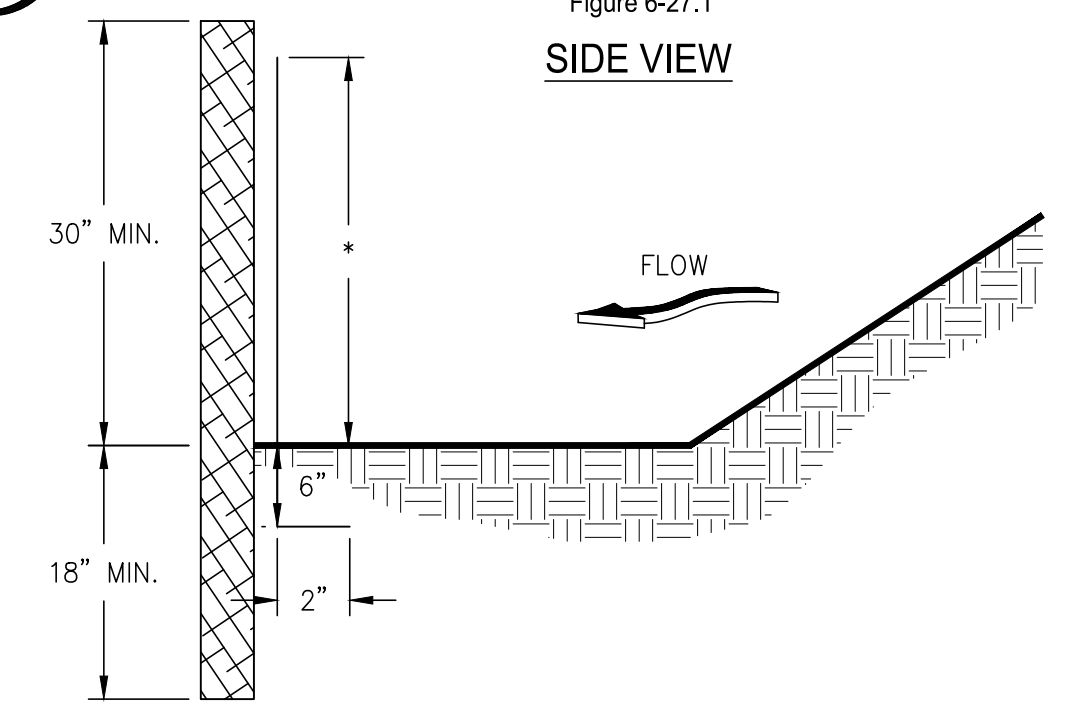
### CONCRETE WASHOUT

N.T.S.  
CONCRETE WASHOUT SHALL BE "CONCRETE WASHOUT SYSTEMS, INC." OR APPROVED EQUAL FOR ALL ONSITE CONCRETE TRUCK WASHOUTS. COST OF WASHOUT AND MAINTENANCE SHALL BE INCIDENTAL TO PROJECT BID ITEMS.

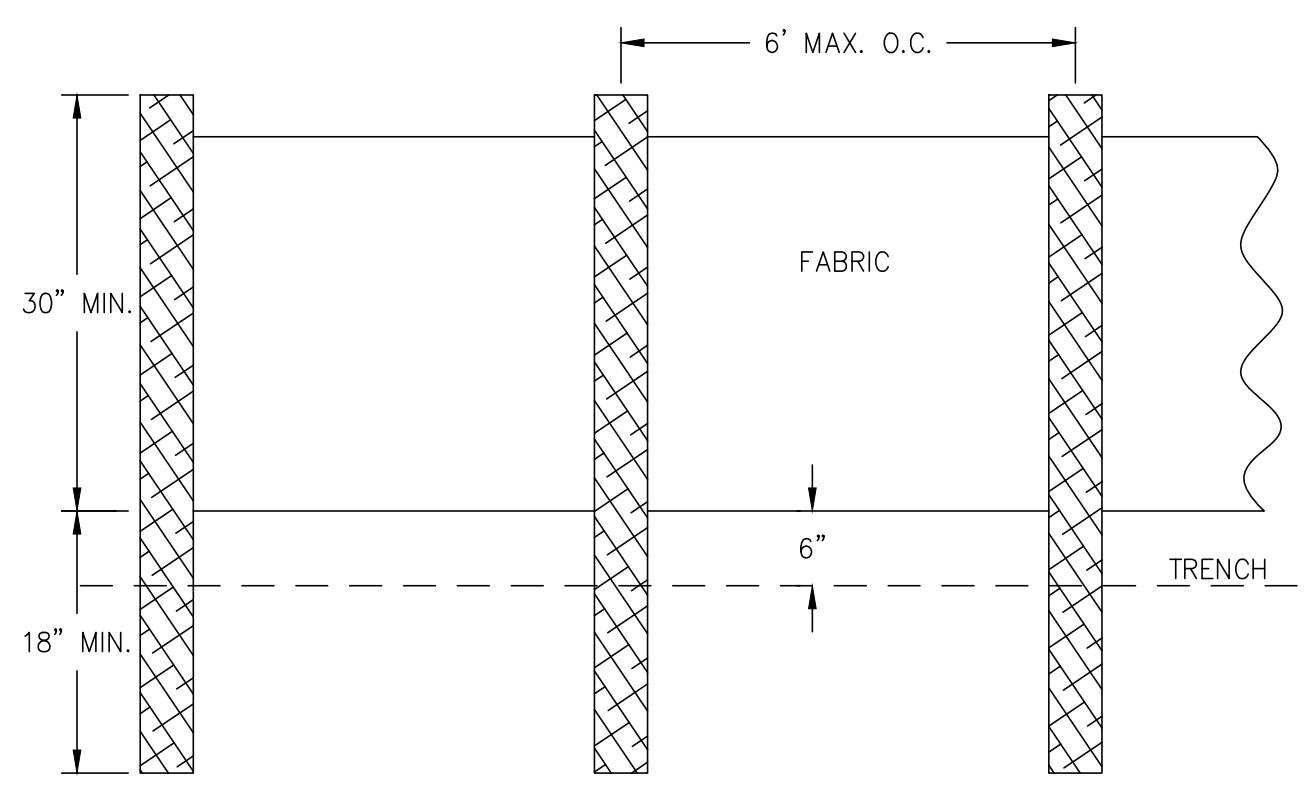
Sd1

### SILT FENCE - TYPE NON-SENSITIVE

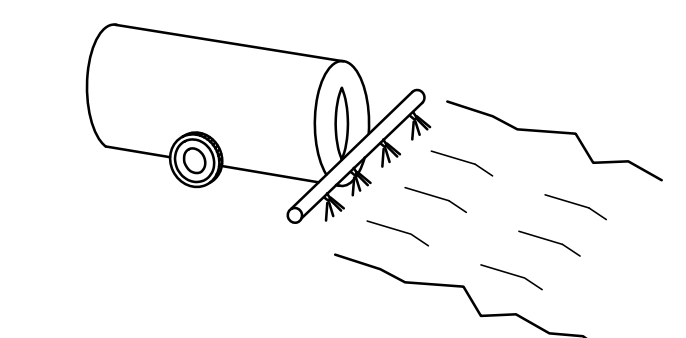
Figure 6-27.1  
SIDE VIEW



FRONT VIEW



- NOTES:
1. SILT FENCE POSTS ARE TO BE MADE OF STEEL.
  2. HEIGHT (\*) IS TO BE 28"



**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 WHICH MAY BE HARMFUL OR INJURIOUS TO HUMAN HEALTH, WELFARE, OR SAFETY, OR TO ANIMALS OR PLANT LIFE.

**METHODS AND MATERIALS:**  
A.) TEMPORARY METHODS—MAY INCLUDE MULCHES (Ds1), (Ds2), SPRAY ON ADHESIVES, TACKIFIERS, IRRIGATION, BARRIERS, CALCIUM CHLORIDE.  
B.) PERMANENT METHODS—MAY INCLUDE PERMANENT VEGETATION(Ds3), TOP SOILING, STONE, CONSTRUCTION ROAD STABILIZATION.

**NOTE:**  
DUST CONTROL SHALL BE PERFORMED AS NEEDED AND AS DIRECTED BY THE ENGINEER OR OWNER. DUST CONTROL SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

### Du DUST CONTROL ON DISTURBED AREAS

**Mead & Hunt**  
Mead and Hunt, Inc.  
5955 Core Road, Suite 515  
North Charleston, SC 29406  
phone: 843-486-8330  
meadhunt.com

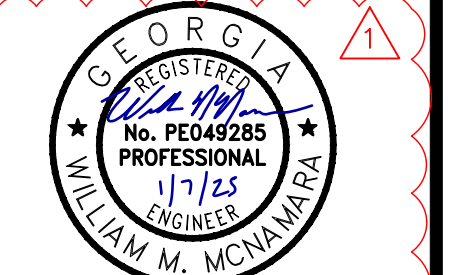
**AGS AUGUSTA REGIONAL AIRPORT**

**AULICK ENGINEERING LLC**  
STORMWATER | HYDRAULICS | EROSION CONTROL  
AIRFIELD & CIVIL SITE | CONSTRUCTION SERVICES

© Copyright 2022 Mead & Hunt, Inc.  
This document, or any portion thereof, shall not be duplicated, disclosed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.

**AUGUSTA REGIONAL AIRPORT  
SOUTHEAST DRAINAGE DITCH  
ENCLOSURE PH II**  
1501 AVIATION WAY  
AUGUSTA, GA 30906-9620

10/22/2024  
ISSUED FOR BID  
01/07/2025  
REVISION #1: ADDENDUM NO. 1



GSWCC LEVEL II DESIGN  
PROFESSIONAL  
CERTIFICATION # 000098122  
EXP. 04/26/2025

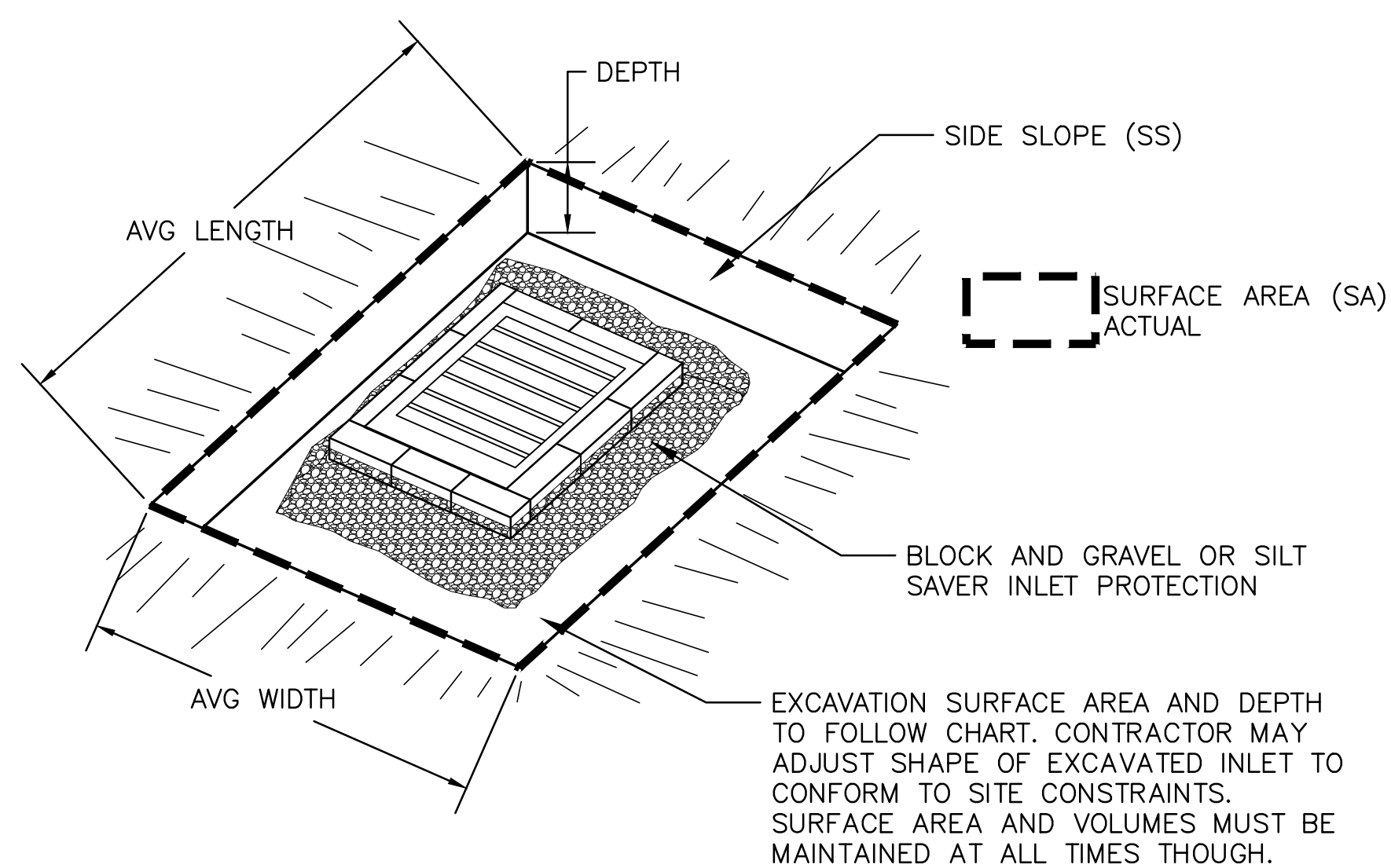
AGS:  
MSH NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: CMJ  
DRAWN BY: HCA  
CHECKED BY: AKM  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
EROSION, SEDIMENT & POLLUTION CONTROL PLAN - DETAILS

SHEET NO.

**C-036**





**NOTES:**

1. AN EXCAVATION MAY BE CREATED AROUND THE INLET SEDIMENT TRAP TO PROVIDE ADDITIONAL SEDIMENT STORAGE. THE TRAP SHALL BE SIZED TO PROVIDE A MINIMUM STORAGE CAPACITY CALCULATED AT THE RATE OF 67 CUBIC YARDS PER ACRE OF DRAINAGE AREA. A MINIMUM DEPTH OF 1.5 FEET FOR SEDIMENT STORAGE SHOULD BE PROVIDED. SIDE SLOPES SHALL NOT BE STEEPER THAN 2:1.

2. SEDIMENT TRAPS MAY BE CONSTRUCTED ON NATURAL GROUND SURFACE, ON AN EXCAVATED SURFACE, OR ON MACHINE COMPACTED FILL, PROVIDED THEY HAVE A NON-ERODIBLE OUTLET.



**INLET SEDIMENT TRAP - EXCAVATED**

**EXCAVATED SEDIMENT TRAP (Sd2) CALCULATIONS**

1

If the EXCAVATED INLET SEDIMENT TRAP is used, show the following information:

- Drainage area = 0.54 ac
- Required sediment storage = 67cy/ac \* drainage area  
Required sediment storage = 67 cy/ac \* 0.54 ac  
**Required sediment storage = 36.1 cy = 974 cf**
- Assume excavation depth (minimum of 1.5 ft.) = 2 ft
- Assumed slope of sides (shall not be steeper than 2:1) = 3 :1
- Determine required surface area  
SA min = Required sediment storage / excavation depth  
SA min = 974 cf / 2 ft  
SA min = 487 sf  
SA Design= 2,126 sf  
**Provided sediment storage = 173.8 cy = 1,564 cf**
- Assumed shape of excavation and determine dimensions.  
( A rectangle shape with 2:1 length to width ratio is recommended.)  
Shape: SEE PLANS  
Dimensions: l =          ft w=          ft diameter (if applicable)=          ft

Provide a detail showing the depth, length and width, or diameter (if applicable), and side slope of the excavation. **See plans for details**

**EXCAVATED SEDIMENT TRAP (Sd2) CALCULATIONS**

2

If the EXCAVATED INLET SEDIMENT TRAP is used, show the following information:

- Drainage area = 1.14 ac
- Required sediment storage = 67cy/ac \* drainage area  
Required sediment storage = 67 cy/ac \* 1.14 ac  
**Required sediment storage = 76.2 cy = 2,058 cf**
- Assume excavation depth (minimum of 1.5 ft.) = 2 ft
- Assumed slope of sides (shall not be steeper than 2:1) = 3 :1
- Determine required surface area  
SA min = Required sediment storage / excavation depth  
SA min = 2,058 cf / 2 ft  
SA min = 1,029 sf  
SA Design= 9,190 sf  
**Provided sediment storage = 1221.8 cy = 10,996 cf**
- Assumed shape of excavation and determine dimensions.  
( A rectangle shape with 2:1 length to width ratio is recommended.)  
Shape: SEE PLANS  
Dimensions: l =          ft w=          ft diameter (if applicable)=          ft

Provide a detail showing the depth, length and width, or diameter (if applicable), and side slope of the excavation. **See plans for details**

**EXCAVATED SEDIMENT TRAP (Sd2) CALCULATIONS**

3

If the EXCAVATED INLET SEDIMENT TRAP is used, show the following information:

- Drainage area = 0.88 ac
- Required sediment storage = 67cy/ac \* drainage area  
Required sediment storage = 67 cy/ac \* 0.88 ac  
**Required sediment storage = 59.1 cy = 1,597 cf**
- Assume excavation depth (minimum of 1.5 ft.) = 2 ft
- Assumed slope of sides (shall not be steeper than 2:1) = 2 :1
- Determine required surface area  
SA min = Required sediment storage / excavation depth  
SA min = 1,597 cf / 2 ft  
SA min = 798 sf  
SA Design= 1,600 sf  
**Provided sediment storage = 118.5 cy = 3,200 cf**
- Assumed shape of excavation and determine dimensions.  
( A rectangle shape with 2:1 length to width ratio is recommended.)  
Shape: Rectangular (2:1)  
Dimensions: l = 57 ft w= 28 ft diameter (if applicat. N/A ft

Provide a detail showing the depth, length and width, or diameter (if applicable), and side slope of the excavation. **See plans for details**

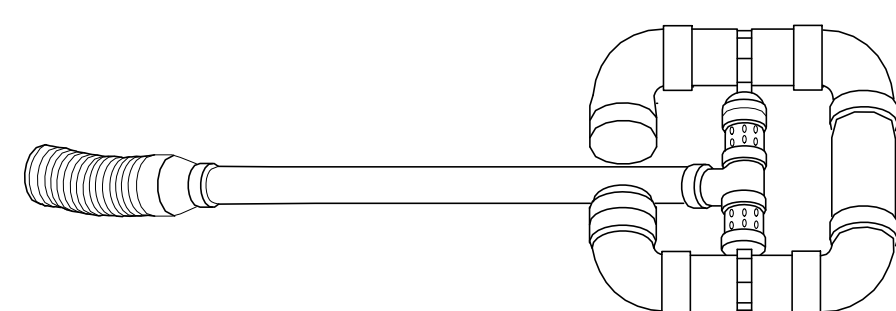


**FLOATING SURFACE SKIMMER**

Figure 6-31.4

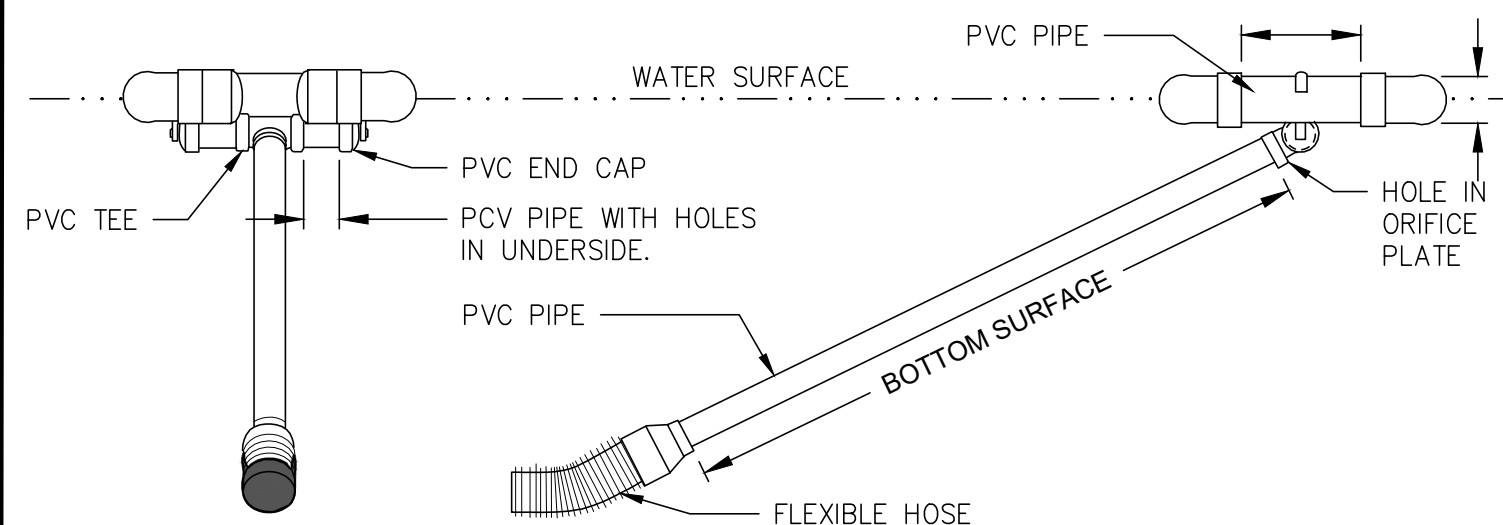
**NOTE:**  
SKIMMER CONFIGURATION SHOWN IS TYPICAL. THE CONTRACTOR MAY SUBMIT AN ALTERNATE SKIMMER DETAIL FOR REVIEW.

**SKIMMER PERSPECTIVE**



**SKIMMER FRONTAL SECTION VIEW**

**SKIMMER SIDE SECTION VIEW**



**Skimmer Calculations**

Basin Volume (cf)	Days to Drain	Skimmer Size (in)	Orifice Diameter (in)
24,963	1	6.0	6.0



Mead and Hunt, Inc.  
5955 Core Road, Suite 515  
North Charleston, SC 29406  
phone: 843-486-8330  
meadhunt.com

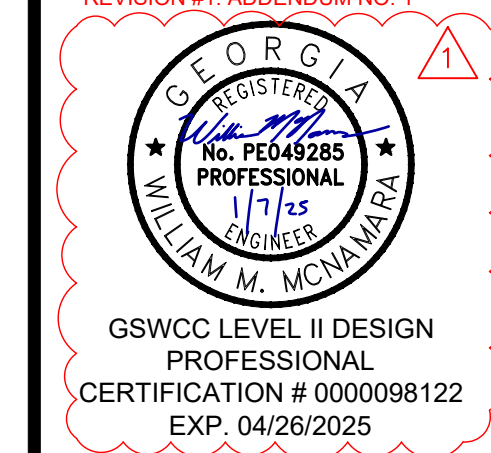


© Copyright 2022 Mead & Hunt, Inc.  
This document, or any portion thereof, shall not be duplicated, disclosed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.

**AUGUSTA REGIONAL AIRPORT  
SOUTHEAST DRAINAGE DITCH  
ENCLOSURE PH II**  
1501 AVIATION WAY  
AUGUSTA, GA 30906-9620

10/22/2024  
ISSUED FOR BID  
01/07/2025

REVISION #1: ADDENDUM NO. 1



GSWCC LEVEL II DESIGN  
PROFESSIONAL  
CERTIFICATION # 0000098122  
EXP. 04/26/2025

AG:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: CMJ  
DRAWN BY: HCA  
CHECKED BY: AKM  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
EROSION, SEDIMENT & POLLUTION CONTROL PLAN - DETAILS

SHEET NO.

**C-037**

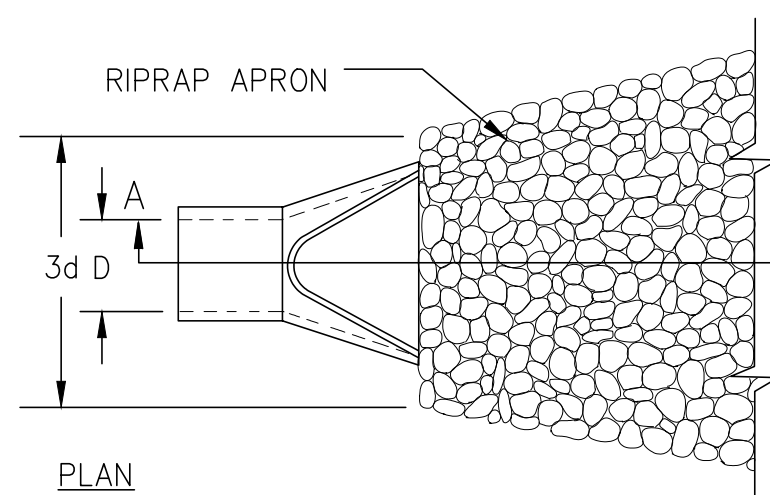


Rip Rap Calculations															
St ID	Structure ID	Sheet No.	D <sub>0</sub> (IN.)	Q <sub>25</sub> (CFS)	V <sub>25</sub> (FPS)	L <sub>a</sub> (FT.)	W <sub>1</sub> (FT.)	W <sub>2</sub> (FT.)	d <sub>50</sub> (IN.)	D (IN.)	Area (sq)	Min/Max Tailwater	Volume (cy)	Volume (cf)	Weight (ton)
1	St	C-035	84	241.0	12.3	39.0	18.0	45.0	15	33.8	136.5	Min	128.2	3460	277

## St RIPRAP OUTLET PROTECTION

Figure 6-34.3

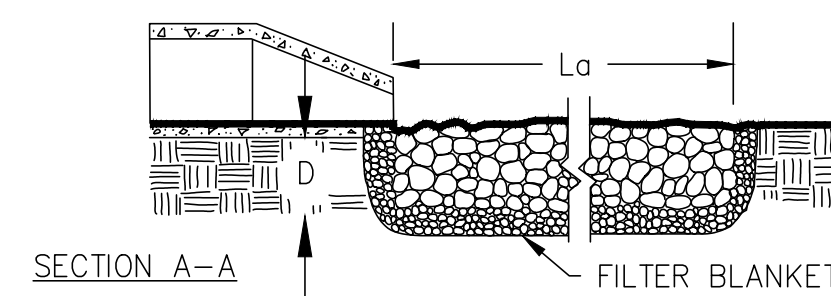
### PIPE OUTLET TO FLAT AREA – NO WELL DEFINED CHANNEL



PLAN

NOTES:

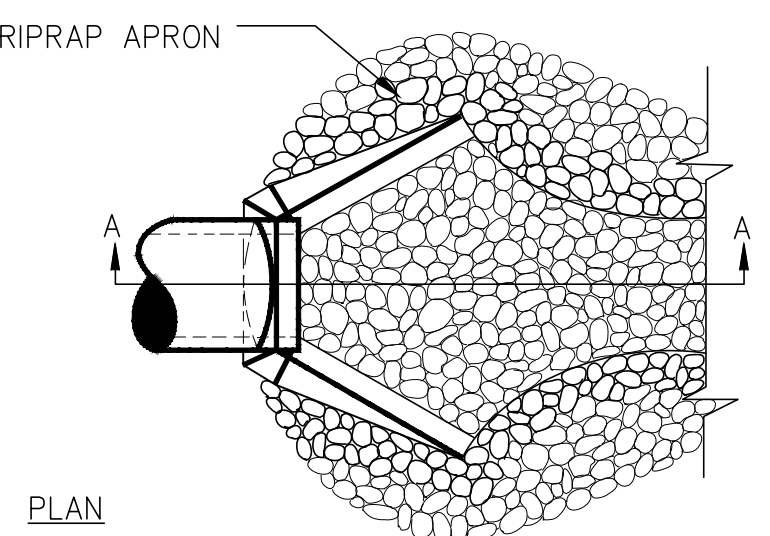
1. L<sub>a</sub> IS THE LENGTH OF THE RIPRAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.



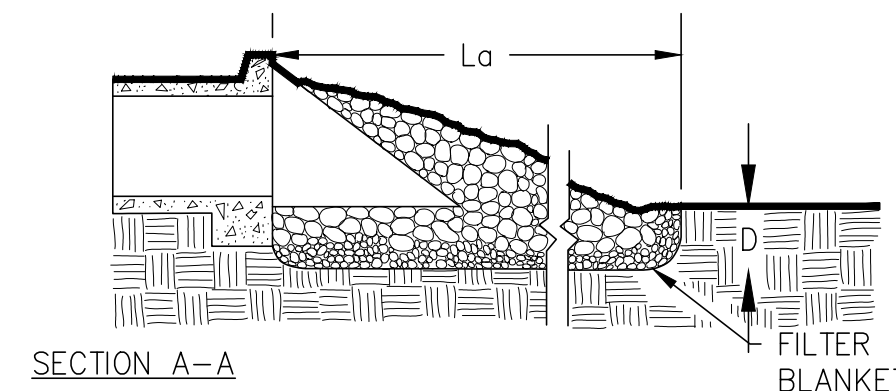
SECTION A-A

FILTER BLANKET

### PIPE OUTLET TO WELL DEFINED CHANNEL



PLAN



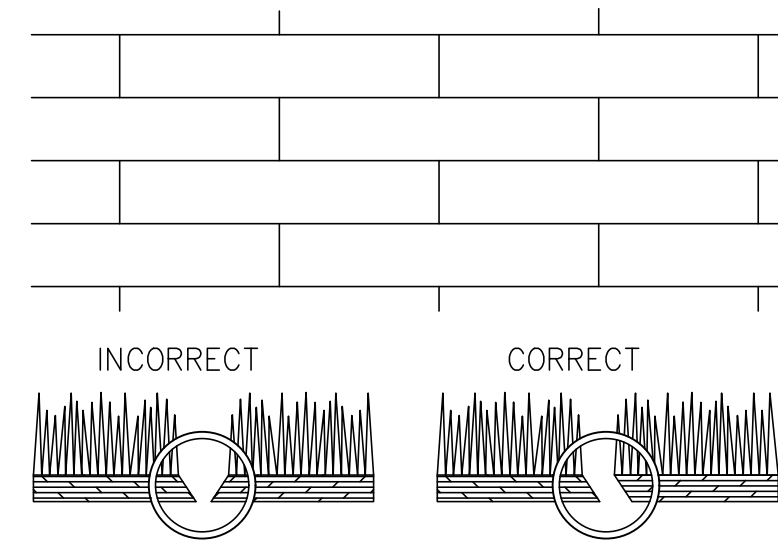
SECTION A-A

FILTER BLANKET

## Ds4 SOD MAINTENANCE AND INSTALLATION

Figure 6-6.2

### SOD LAYOUT AND PREPARATION



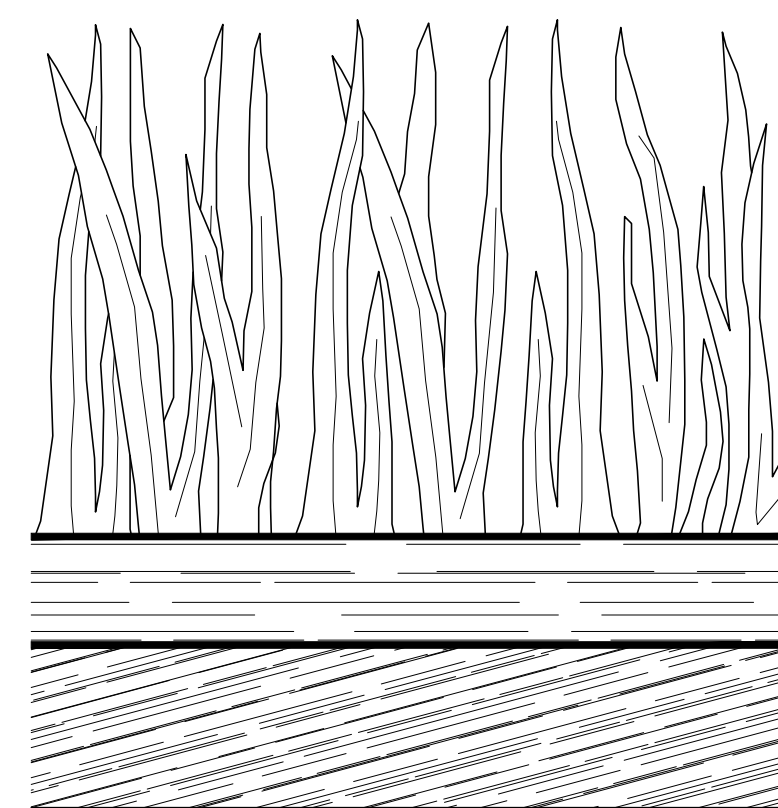
LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.

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

### DIRECTIONS FOR INITIAL MAINTENANCE

- Step 1. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL
- Step 2. WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.
- Step 3. MOW WHEN THE SOD IS ESTABLISHED -- IN 2-3 WEEKS. SET THE MOWER HIGH (2"-3").

### APPEARANCE OF GOOD SOD



SHOOTS OR GRASS BLADES: GRASS SHOULD BE GREEN AND HEALTHY, MOWED AT A 2"-3" CUTTING HEIGHT.

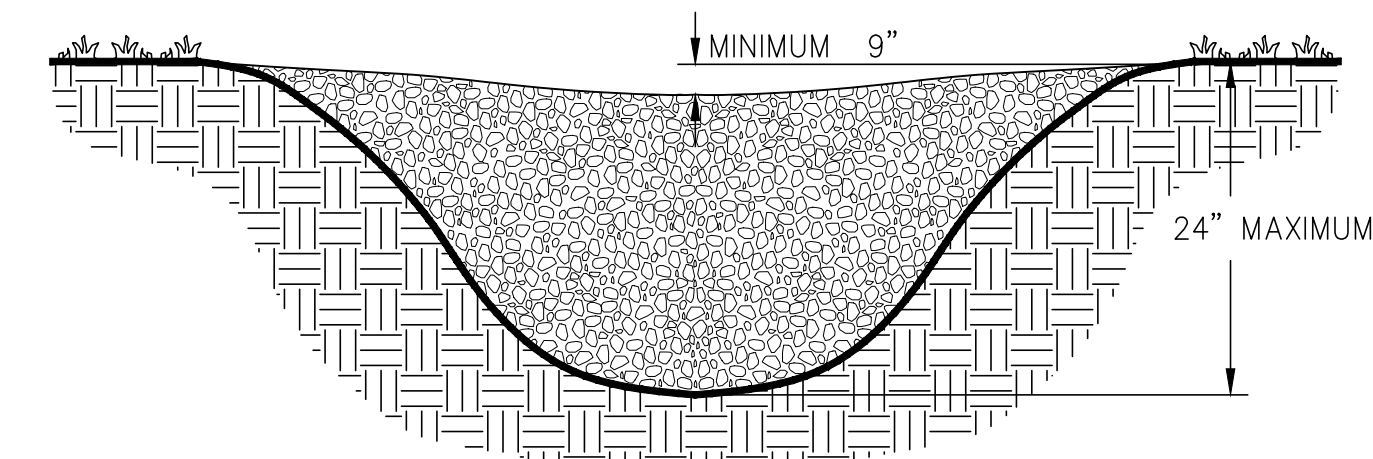
THATCH: GRASS CLIPPINGS AND DEAD LEAVES (UP TO 1/2" THICK).

ROOT ZONE: SOIL AND ROOTS. SHOULD BE 1/2"-3/4" THICK WITH DENSE ROOT MAT FOR STRENGTH.

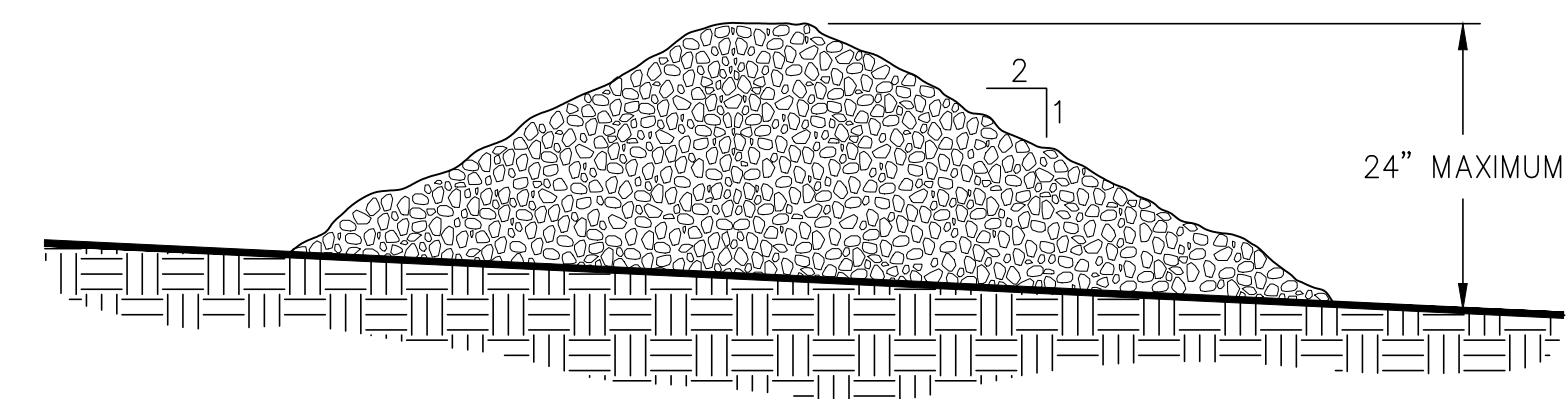
## Cd STONE CHECK DAM

Figure 6-12.2

### CROSS SECTION



### PROFILE VIEW



NOTES:

1. CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
2. THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
3. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
4. THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
5. THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
6. GEOTEXTILE SHALL BE USED TO PREVENT THE MITIGATION OF SUBGRADE SOIL PARTICLES INTO THE STONES (REFER TO AASHTO M288-96, SECTION 7.3, TABLE 3).

**AUGUSTA REGIONAL AIRPORT**  
**SOUTHEAST DRAINAGE DITCH**  
**ENCLOSURE PH II**  
 1501 AVIATION WAY  
 AUGUSTA, GA 30906-9620

10/22/2024  
ISSUED FOR BID  
01/07/2025

REVISION #1: ADDENDUM NO. 1



GSWCC LEVEL II DESIGN  
PROFESSIONAL  
CERTIFICATION # 000098122  
EXP. 04/26/2025

AGS:  
MSH NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: CMJ  
DRAWN BY: HCA  
CHECKED BY: AKM  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
EROSION, SEDIMENT &  
POLLUTION CONTROL  
PLAN - DETAILS

SHEET NO.

**C-038**



GRASSING NOTES:

TEMPORARY GRASSING

Ds1 Ds2

1. APPLY TEMPORARY GRASSING TO DISTURBED AREAS WITHIN 14 DAYS OF LAND DISTURBING ACTIVITIES IF PERMANENT GRASSING IS NOT REQUIRED. APPLY TEMPORARY GRASSING TO SOIL STOCKPILES.
2. ALL AREAS RECEIVING TEMPORARY GRASS MIXTURE SHALL RECEIVE AN APPLICATION OF FERTILIZER AND BE PROTECTED WITH MULCH.
3. APPLY SEED MIXTURE AT SPECIFIED APPLICATION RATE EVENLY. DO NOT SEED AN AREA IN EXCESS OF THAT WHICH CAN BE MULCHED ON THE SAME DAY. DO NOT SOW IMMEDIATELY FOLLOWING A RAIN, WHEN GROUND IS TOO DRY, OR DURING WINDY PERIODS.
4. MULCH SHALL BE APPLIED IMMEDIATELY AFTER GRASSING. ALL MULCH SHALL RECEIVE AN APPLICATION OF TACKIFIER.
5. TACKIFIER IS TO BE APPLIED AS PER MANUFACTURERS RECOMMENDATIONS.
6. TEMPORARY MIXTURES ACCEPTABLE FOR THIS PROJECT ARE LISTED IN THE SPECIFICATIONS. SEED MIXTURES GROW RAPIDLY AND ARE LOW-MAINTENANCE.

PERMANENT GRASSING

Ds3

1. APPLY PERMANENT GRASSING WHENEVER GRADING OPERATIONS ARE COMPLETE AND ALL ADDITIONAL CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. APPLY PERMANENT GRASSING TO ALL NON-CONSTRUCTION AREAS WHICH SHOW SIGNS OF EXCESSIVE EROSION.
2. ALL AREAS RECEIVING PERMANENT GRASS MIXTURE SHALL RECEIVE AN APPLICATION OF FERTILIZER AND BE PROTECTED WITH MULCH AND/OR EROSION CONTROL MATTING. APPLY LIME AT A RATE BASED ON PH OF SOIL (SEE LIME REQUIRED FOR GRASSING BASED ON THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA). FOR DRY GRASSING, UNIFORMLY INCORPORATE INTO SOIL FOR A DEPTH OF 1 INCH AND LIGHTLY WATER TO AID THE DISSIPATION OF FERTILIZER.
3. APPLY SEED MIXTURE AT SPECIFIED RATES EVENLY IN TWO INTERSECTING DIRECTIONS BY THE USE OF A MECHANICAL SPREADER OR HYDROSEEDER. DO NOT SEED AN AREA IN EXCESS OF THAT WHICH CAN BE MULCHED ON THE SAME DAY. DO NOT SOW IMMEDIATELY FOLLOWING A RAIN, WHEN GROUND IS TOO DRY, OR DURING WINDY PERIODS.
4. COMBINED HYDRAULIC APPLICATION OF SEED, FERTILIZER, AND MULCH MAY BE PERFORMED. TACKIFIER APPLICATION MAY BE WITHIN THE COMBINED MIXTURE IF ALLOWED BY MANUFACTURER'S RECOMMENDATIONS. HYDRAULIC SPRAYING EQUIPMENT AND MIXTURE SHALL BE DESIGNED SUCH THAT WHEN THE GRASS MIXTURE IS SPRAYED OVER THE AREA, THE MIXTURE COMPONENTS SHALL BE EQUAL IN QUANTITY TO THE SPECIFIED RATES.
5. WOOD FIBER MULCH SHALL BE APPLIED AS INDICATED IN THE PROJECT SPECIFICATIONS. STRAW MULCH SHALL BE UTILIZED TO PROVIDE A UNIFORM LOOSE DEPTH BETWEEN 1-1/2 TO 3 INCHES. ALL MULCH SHALL RECEIVE AN APPLICATION OF TACKIFIER.
6. PERMANENT MIXTURES ACCEPTABLE FOR THIS PROJECT ARE LISTED BELOW AND IN THE SPECIFICATIONS. THESE MIXTURES ARE GROW RAPIDLY AND ARE LOW-MAINTENANCE.

HYDROSEEDING

1. HYDROSEEDING IS THE WET HYDRAULIC SPRAYING OF SEED, FERTILIZER, TACKIFIER, AND USUALLY MULCH IN A ONE-STEP PROCESS. MATERIALS ARE MIXED WITH WATER IN A SLURRY TANK TO FORM A HOMOGENEOUS SLURRY, WHICH IS THEN SPRAYED ON THE SOIL SURFACE BY A HYDRAULIC SEEDER.
2. ORDINARY MULCH IS NOT SUITABLE FOR HYDROSEEDING. MULCH FOR HYDROSEEDING IS GENERALLY VIRGIN WOOD FIBER MULCH, MANUFACTURED TO BE UNIFORMLY SUSPENDED AS A SLURRY. STRAW MULCH SHALL BE APPLIED AFTER HYDROSEEDING.

FERTILIZING

1. CONTRACTOR IS RESPONSIBLE FOR FERTILIZING AS NEEDED THROUGHOUT THE PROJECT. COST SHALL BE INCIDENTAL TO THE COST OF GRASSING.
  2. CONTRACTOR SHALL FERTILIZE GRASSING THROUGH THE ONE YEAR WARRANTY AFTER SUBSTANTIAL COMPLETION AT NO ADDITIONAL COST.
  3. CONTRACTOR TO PROVIDE A FERTILIZING PLAN SPECIFIC TO PROJECT SITE TO OWNER AS PART OF PROJECT CLOSEOUT
- \*\*\*CONTRACTOR SHALL CONDUCT SOIL TESTS TO IDENTIFY AND TO IMPLEMENT SITE-SPECIFIC FERTILIZER NEEDS. THIS WILL SATISFY SECTION P OF APPENDIX 1 IN THE EROSION CONTROL CHECKLIST, PER THE IMPAIRED STREAMS.

MAINTENANCE

1. INSPECT FREQUENTLY WITHIN THE FIRST SIX WEEKS OF PLANTING TO SEE IF GRASS STANDS ARE UNIFORM AND DENSE, AND TO ASSURE THAT APPROPRIATE MOISTURE LEVELS ARE MAINTAINED. MAKE PROVISIONS TO WATER AS NEEDED.
2. CONTRACTOR TO REVISE AND MULCH AS NECESSARY UNTIL THE GRASS IS SATISFACTORY TO THE OWNER.
3. CHECK FOR DAMAGE CAUSED BY EQUIPMENT OR HEAVY RAINS. DAMAGED AREAS SHOULD BE REPAIRED, FERTILIZED, SEEDED, AND MULCHED. TACK OR TIE DOWN MULCH AS NECESSARY TO PREVENT BLOWING.
4. ADDITIONAL VEGETATION WILL BE EMPLOYED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS AT CONTRACTOR EXPENSE.
5. GRASS THAT ATTRACTS WILDLIFE SHALL NOT BE USED.
6. AT THE TIME THAT A SATISFACTORY VEGETATION HAS BEEN ESTABLISHED, ALL TEMPORARY EROSION CONTROL BMPS SHALL BE REMOVED FROM THE SITE, AND ALL RETROFITTED DETENTION PONDS WILL BE CLEANED AND GRADED TO THE DETENTION POND DESIGN.
7. ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICE MAINTENANCE, REMOVAL, REPAIR, REGRASSING AND RECONSTRUCTION COSTS WILL BE INCIDENTAL TO THE COST OF THE PROJECT.
8. CONTRACTOR IS RESPONSIBLE FOR MOWING UNTIL PROJECT CLOSEOUT PAPERWORK IS COMPLETE. HEIGHT SHALL BE MAINTAINED TO NO GREATER THAN 4"-6" THROUGHOUT THE PROJECT AND AS DIRECTED BY THE ENGINEER.

GRASSING SCHEDULE:

TEMPORARY GRASSING SCHEDULE												
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
ANNUAL RYE GRASS (50#/AC)	[Red bar]											
FERTILIZER 10-10-10 (400#/AC)	[Green bar]											
PERMANENT GRASSING SCHEDULE												
SEED APPLICATION FOR AREAS WITH SLOPES FLATTER THAN 3:1**												
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
COMMON BERMUDA (HULLED-50#/AC)				[Pink bar]								
COMMON BERMUDA (UNHULLED-50#/AC)				[Green bar]								
* - TO BE APPLIED TO GRASS BETWEEN 2" AND 4" IN HEIGHT (TOPDRESSED) ** - TEMPORARY GRASSING ONLY FROM OCTOBER 16TH TO MARCH 31ST												
SEED APPLICATION FOR AREAS WITH SLOPES 3:1 OR GREATER**												
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
COMMON BERMUDA (HULLED-50#/AC)				[Pink bar]								
COMMON BERMUDA (UNHULLED-50#/AC)				[Green bar]								
* - TO BE APPLIED TO GRASS BETWEEN 2" AND 4" IN HEIGHT (TOPDRESSED) ** - TEMPORARY GRASSING ONLY FROM OCTOBER 16TH TO MARCH 31ST												
FERTILIZER AND MULCH												
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
FERTILIZER 10-10-10 (1000#/AC)***		[Green bar]										
AGRICULTURAL LIME (3000#/AC)		[Orange bar]										
AMMONIUM NITRATE 34-0-0 (50#/AC) - *				[Red bar]								
MULCHING (5000#/AC)		[Blue bar]										
* - TO BE APPLIED TO GRASS BETWEEN 2" AND 4" IN HEIGHT (TOPDRESSED) ***- FERTILIZER APPLICATION SHOULD BE SPLIT 50/50 WITH 500# AT TIME OF SEEDING AND 500# 45-60 AFTER INITIAL SEEDING												



© Copyright 2022 Mead & Hunt, Inc. This document, or any portion thereof, shall not be duplicated, disclosed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.

**AUGUSTA REGIONAL AIRPORT**  
**SOUTHEAST DRAINAGE DITCH**  
**ENCLOSURE PH II**  
 1501 AVIATION WAY  
 AUGUSTA, GA 30906-9620



AGS:  
 M&H NO.: 0119700-210463.01  
 DATE: OCTOBER 22, 2024  
 DESIGNED BY: CMJ  
 DRAWN BY: HCA  
 CHECKED BY: AKM  
 DO NOT SCALE DRAWINGS

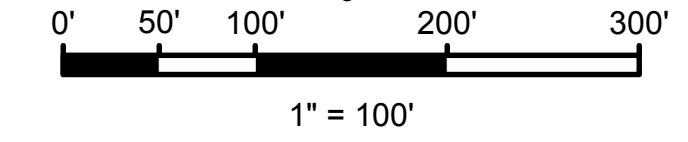
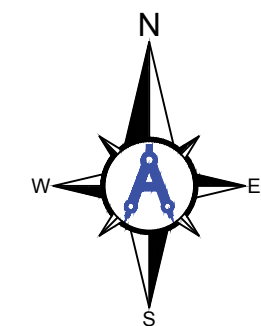
SHEET CONTENTS  
 EROSION, SEDIMENT &  
 POLLUTION CONTROL  
 PLAN - DETAILS

SHEET NO.

**C-039**

C:\AULICK\ENGINEERING\10\_M&H - PROJECTS\1001\_AGS\100122\_AGS DRAINAGE DITCH EAST-WEST\2 DESIGN\2E.DWG\2E.4 SHEETS\C-039 ESPCP - DETAILS.DWG  
 1/7/2025 3:41:43 PM





**Mead & Hunt**  
Mead and Hunt, Inc.  
5955 Core Road, Suite 515  
North Charleston, SC 29406  
phone: 843-486-8330  
meadhunt.com



© Copyright 2022 Mead & Hunt, Inc.  
This document, or any portion thereof, shall not be duplicated, disclosed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.

**AUGUSTA REGIONAL AIRPORT  
SOUTHEAST DRAINAGE DITCH  
ENCLOSURE PH II  
1501 AVIATION WAY  
AUGUSTA, GA 30906-9620**

10/22/2024  
ISSUED FOR BID  
01/07/2025  
REVISION #1: ADDENDUM NO. 1



GSWCC LEVEL II DESIGN  
PROFESSIONAL  
CERTIFICATION # 0000098122  
EXP. 04/26/2025

SHEET CONTENTS  
ES&PCP -  
PRE-DEVELOPMENT  
DRAINAGE AREA MAP

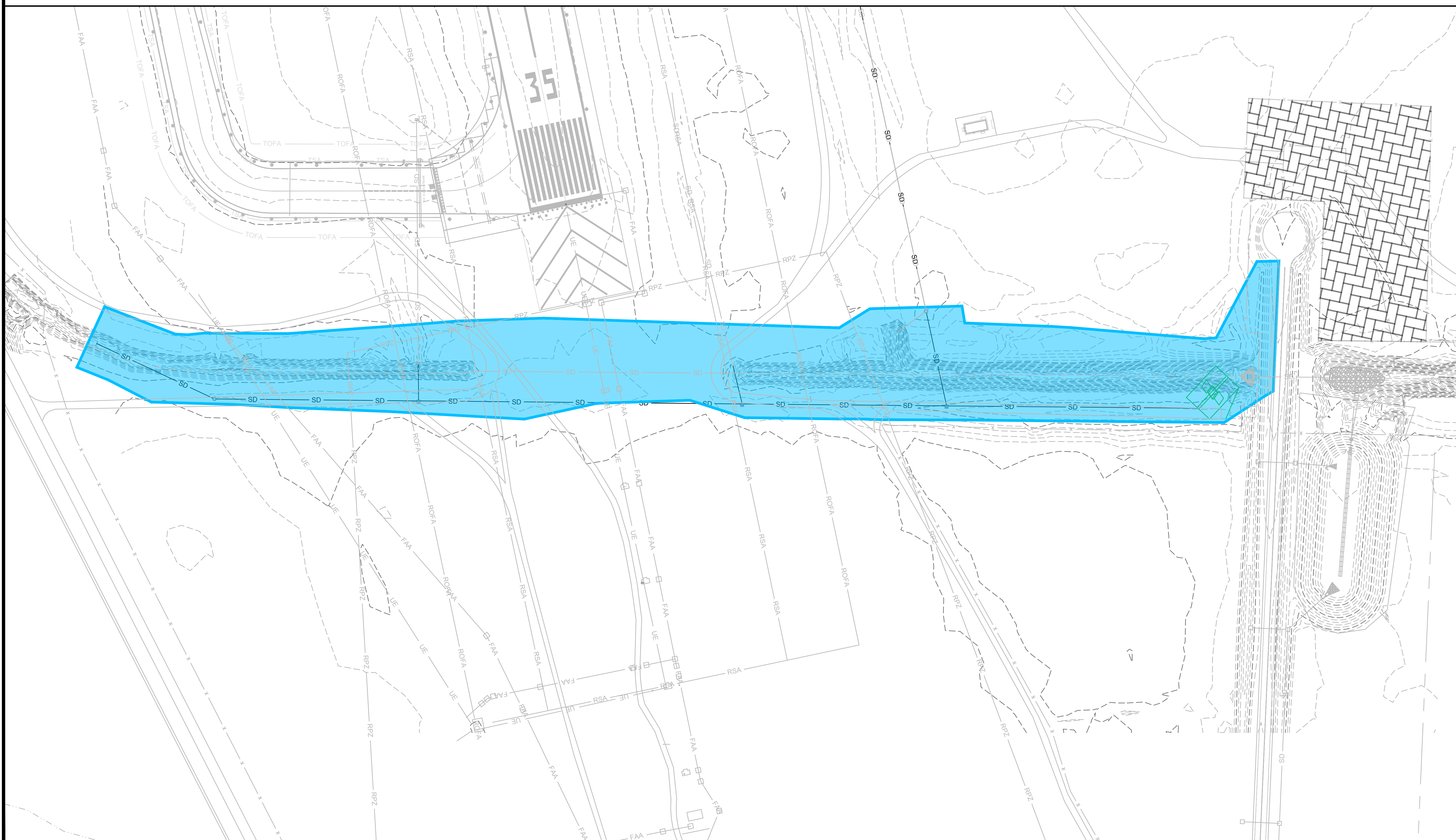
SHEET NO. of  
**C-040**

**DRAINAGE AREA MAP LEGEND**

	PRE-DEVELOPED DRAINAGE AREA
--	-----------------------------

**PRE-PROJECT**

Basin	Total Area (AC)	Grassed	CN	Tc (min)
		0.20		
Pre 1	10.2	10.2	61	7
<b>TOTAL</b>	<b>10.2</b>	<b>10.20</b>		



C:\AULICK\AULICK ENGINEERING\10\_M&H - PROJECTS\1001\_AGS\100122\_AGS DRAINAGE DITCH EAST - WEST2 DESIGN\2E DWG\2E\_4 SHEETS\C-040 ESPCP - DA MAPS.DWG  
11/7/2025 3:59:56 PM



DRAINAGE AREA MAP LEGEND

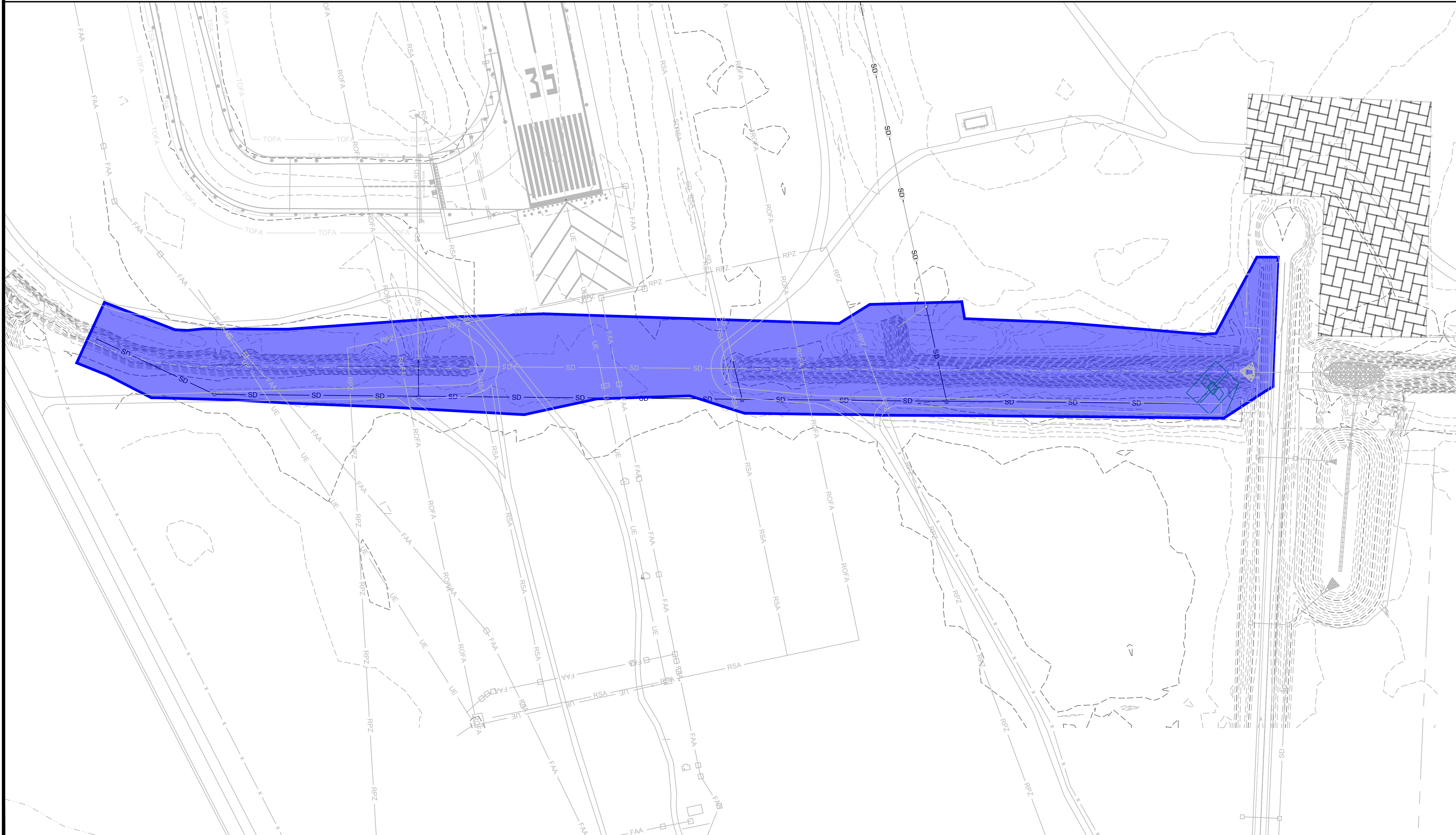
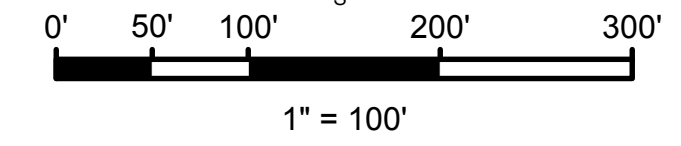
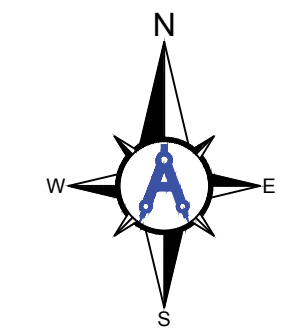
POST-DEVELOPED DRAINAGE AREA

POST-PROJECT

Basin	Total Area (AC)	Grassed	CN	Tc (min)
		0.20 61		
Post 1	10.2	10.2	61	7
<b>TOTAL</b>	<b>10.2</b>	<b>10.2</b>		

DRAINAGE AREA MAP NOTE

THERE IS NO CHANGE IN EXISTING LAND USE AS A RESULT OF THIS PROJECT, THEREFORE, POST-CONSTRUCTION STORMWATER PEAK FLOWS AND CURVE NUMBERS WILL NOT CHANGE.



Mead and Hunt, Inc.  
5955 Core Road, Suite 515  
North Charleston, SC 29406  
phone: 843-486-8330  
meadhunt.com



© Copyright 2022 Mead & Hunt, Inc.  
This document, or any portion thereof, shall not be duplicated, disclosed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.

**AUGUSTA REGIONAL AIRPORT  
SOUTHEAST DRAINAGE DITCH  
ENCLOSURE PH II**  
1501 AVIATION WAY  
AUGUSTA, GA 30906-9620

10/22/2024  
ISSUED FOR BID  
01/07/2025  
REVISION #1: ADDENDUM NO. 1



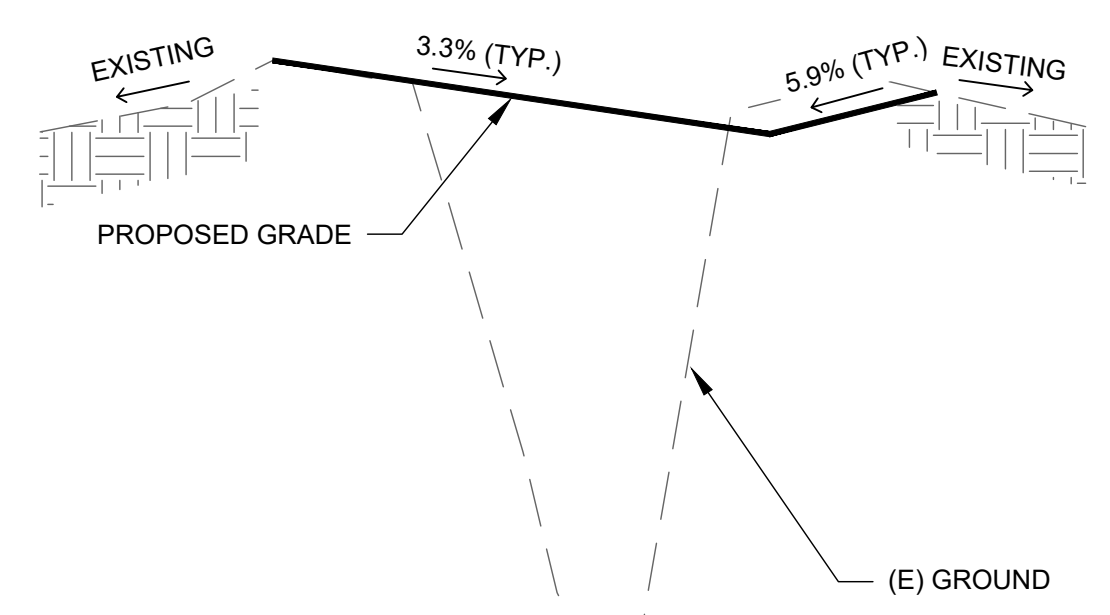
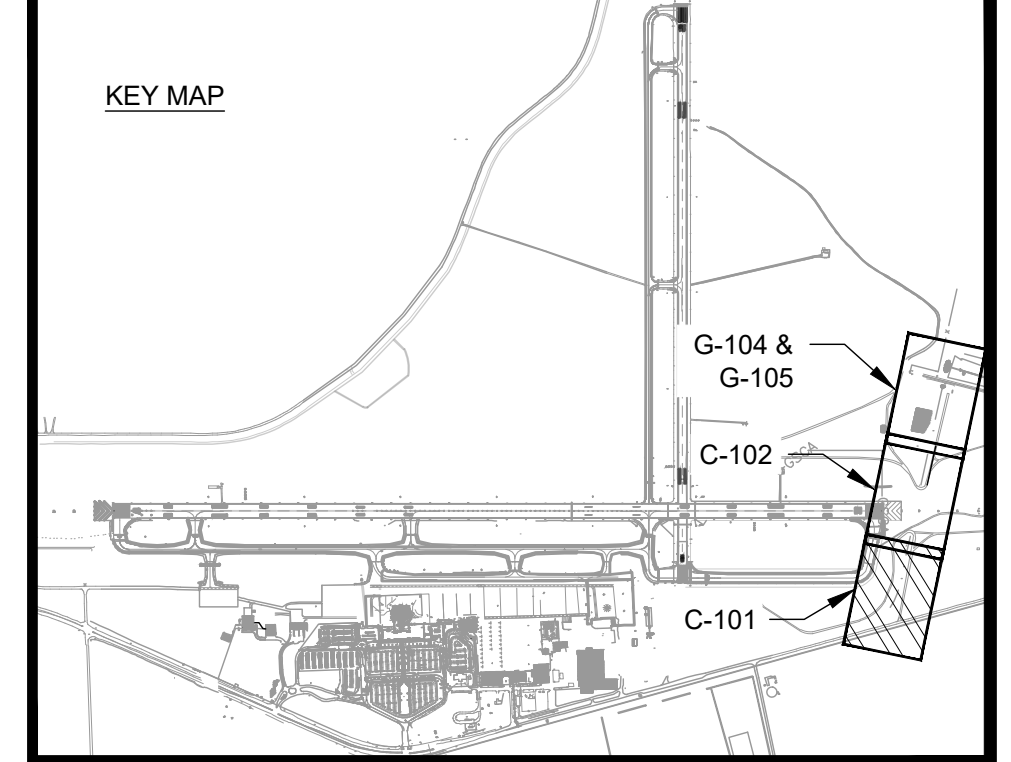
GSWCC LEVEL II DESIGN  
PROFESSIONAL  
CERTIFICATION # 0000098122  
EXP. 04/26/2025

AIG:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: CMJ  
DRAWN BY: HCA  
CHECKED BY: AKM  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
ES&PCP -  
POST-DEVELOPMENT  
DRAINAGE AREA MAP

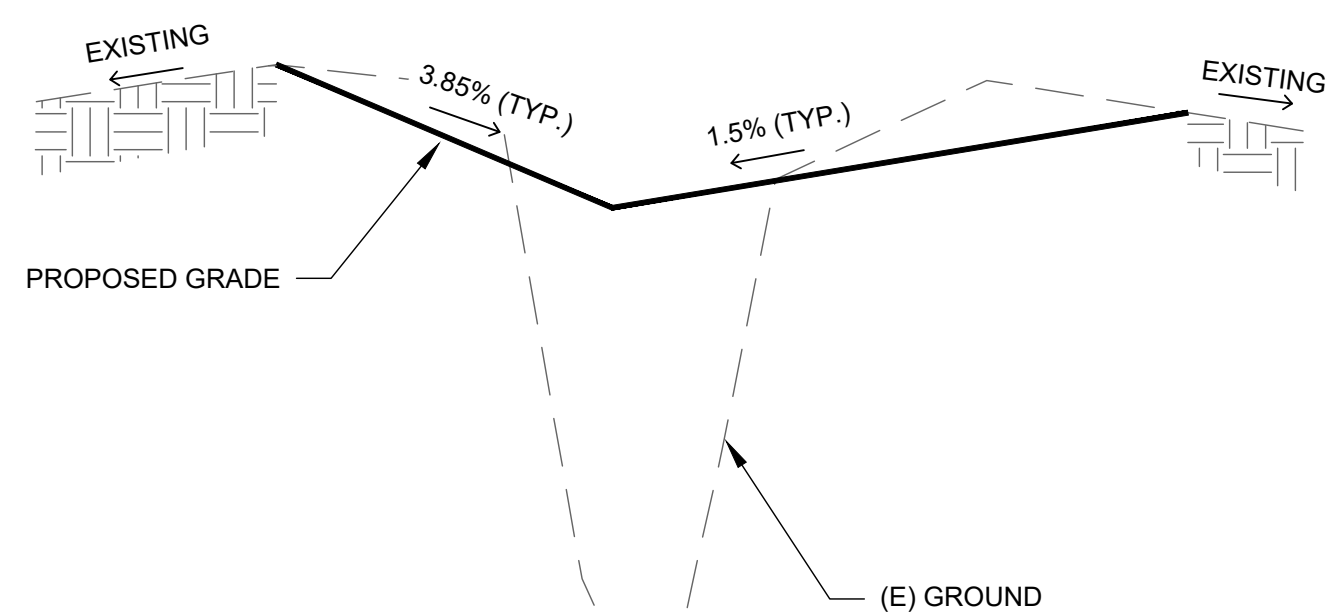
SHEET NO. of  
**C-041**





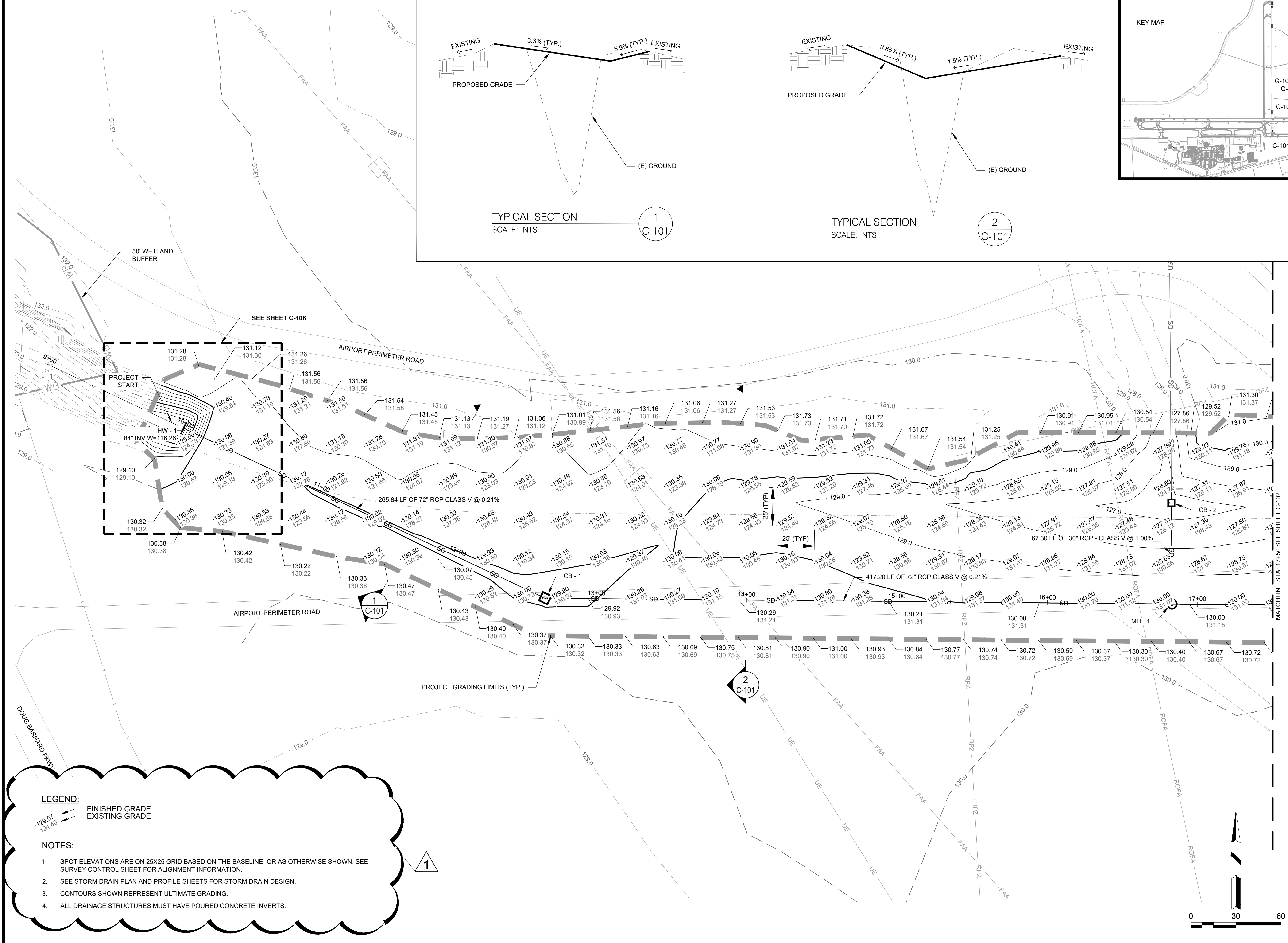
TYPICAL SECTION  
SCALE: NTS

1  
C-101



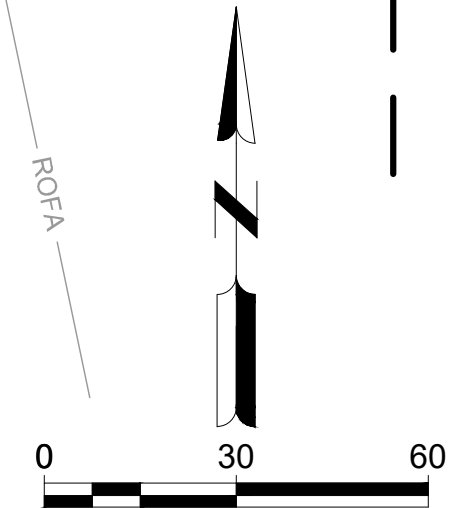
TYPICAL SECTION  
SCALE: NTS

2  
C-101



- LEGEND:**
- - - FINISHED GRADE
  - EXISTING GRADE

- NOTES:**
1. SPOT ELEVATIONS ARE ON 25X25 GRID BASED ON THE BASELINE OR AS OTHERWISE SHOWN. SEE SURVEY CONTROL SHEET FOR ALIGNMENT INFORMATION.
  2. SEE STORM DRAIN PLAN AND PROFILE SHEETS FOR STORM DRAIN DESIGN.
  3. CONTOURS SHOWN REPRESENT ULTIMATE GRADING.
  4. ALL DRAINAGE STRUCTURES MUST HAVE POURED CONCRETE INVERTS.



## AUGUSTA REGIONAL AIRPORT SOUTHEAST DRAINAGE DITCH ENCLOSURE PH II 1501 AVIATION WAY AUGUSTA GA, 30906

ISSUED FOR BID  
REV. 1: UPDATED NOTES

NOT FOR CONSTRUCTION

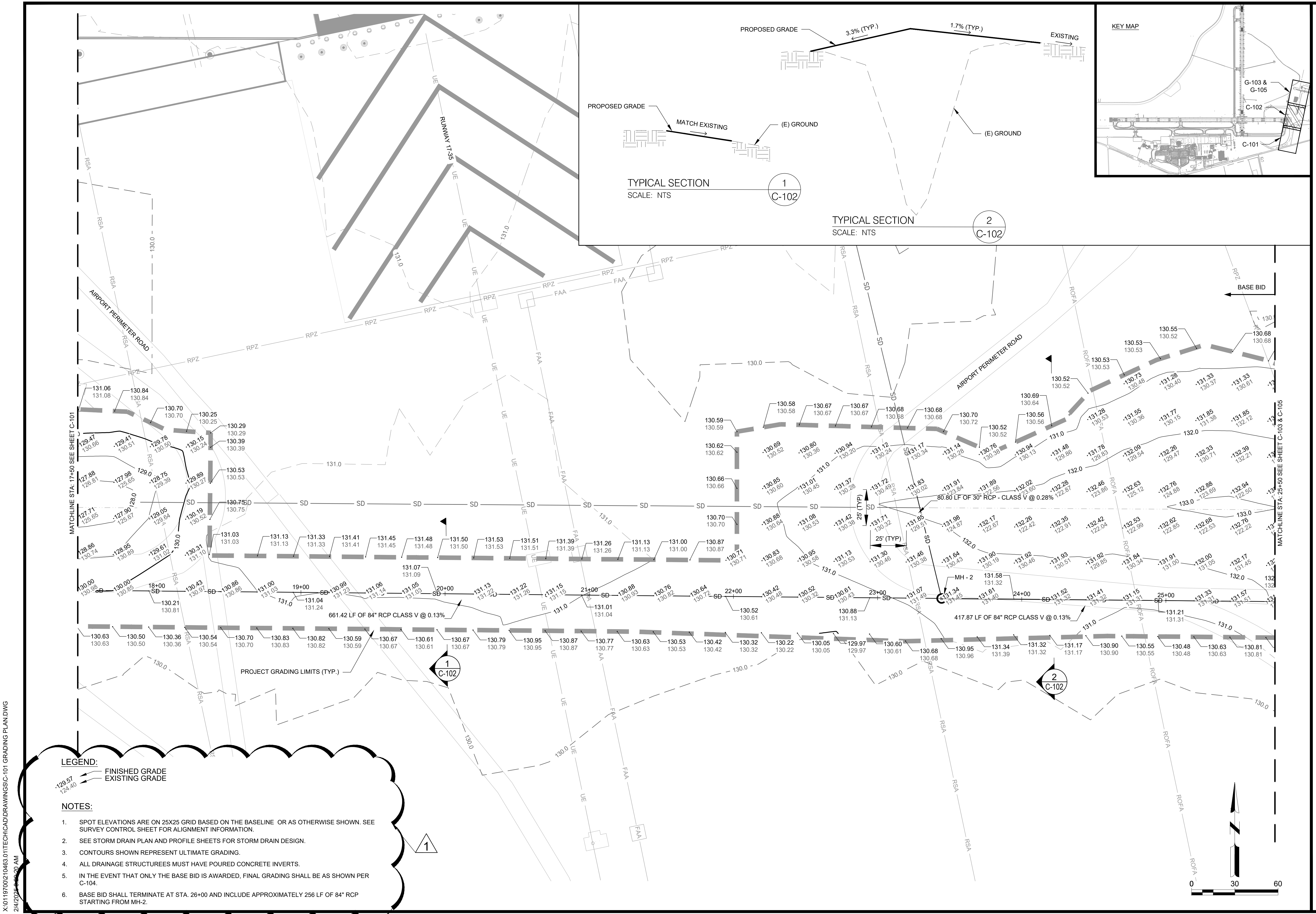
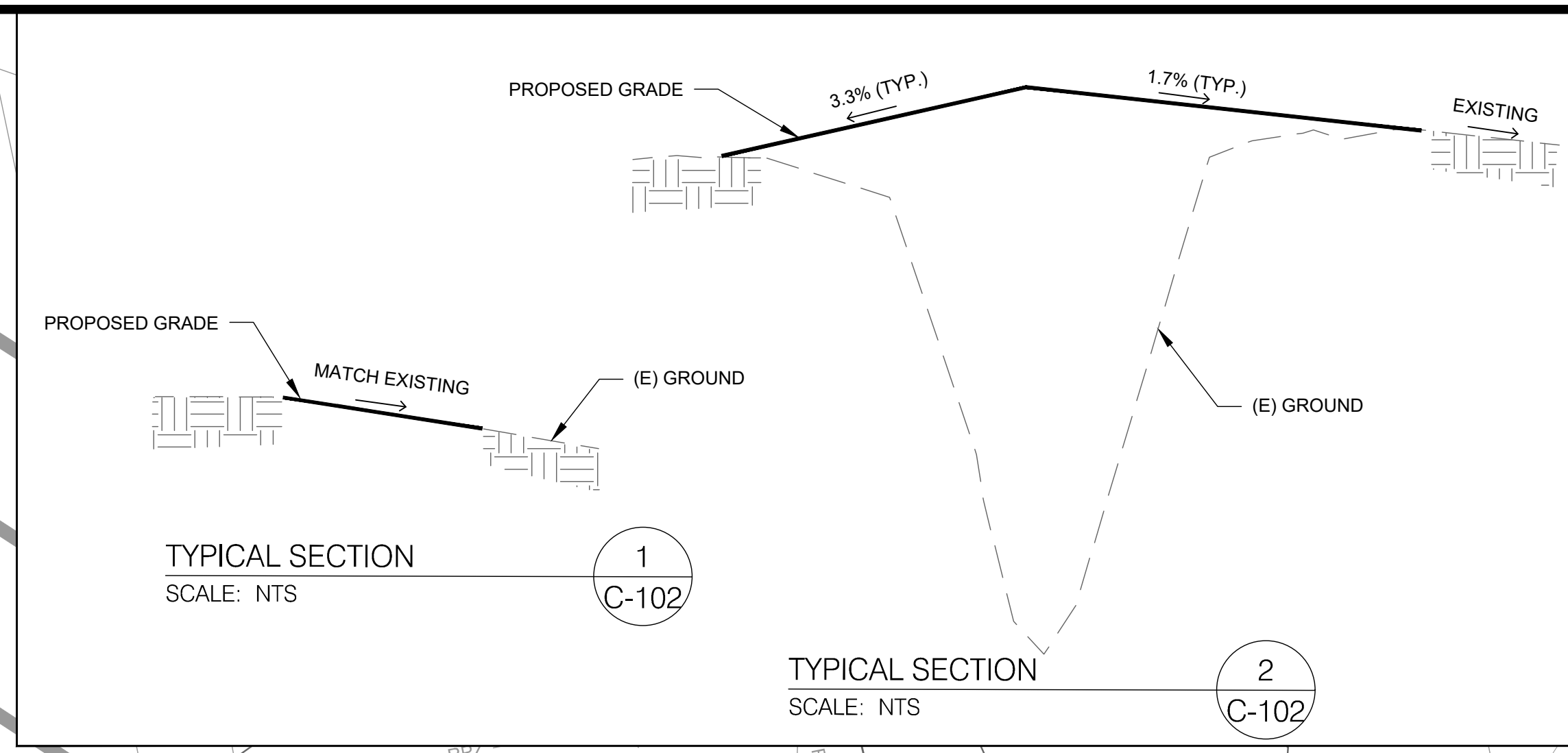
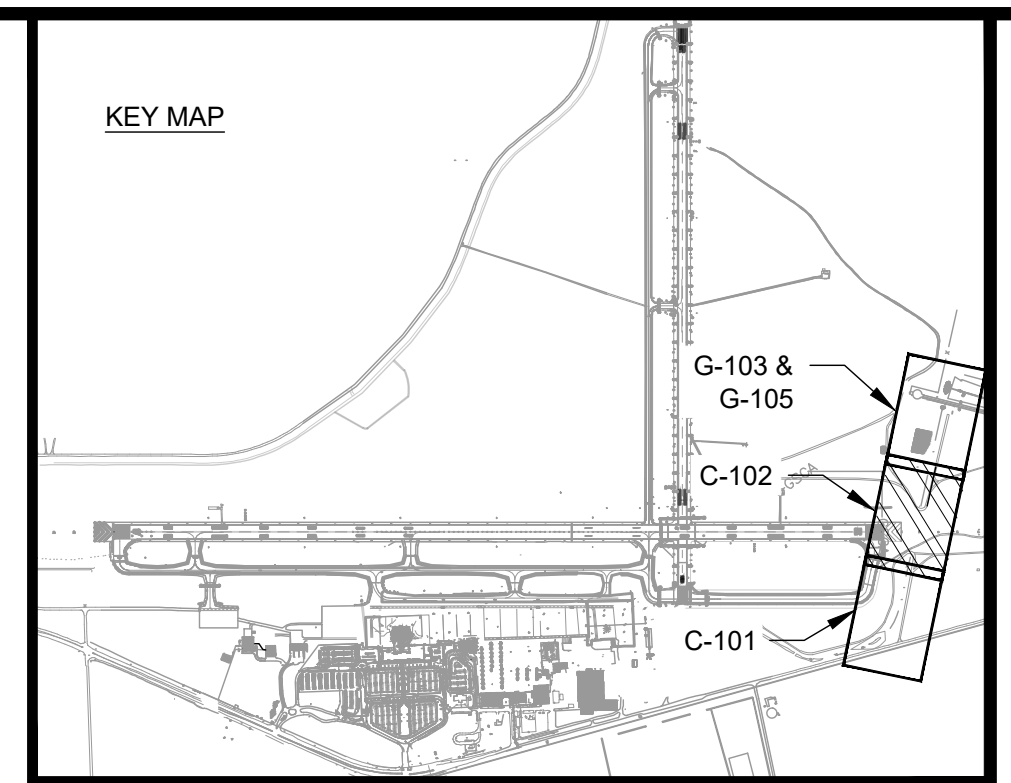
AGS:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: NJH  
DRAWN BY: NJH  
CHECKED BY: EJS  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
GRADING & DRAINAGE  
PLAN STA 10+00 TO  
17+50

SHEET NO.

# C-101





**LEGEND:**  
 FINISHED GRADE  
 EXISTING GRADE

- NOTES:**
- SPOT ELEVATIONS ARE ON 25X25 GRID BASED ON THE BASELINE OR AS OTHERWISE SHOWN. SEE SURVEY CONTROL SHEET FOR ALIGNMENT INFORMATION.
  - SEE STORM DRAIN PLAN AND PROFILE SHEETS FOR STORM DRAIN DESIGN.
  - CONTOURS SHOWN REPRESENT ULTIMATE GRADING.
  - ALL DRAINAGE STRUCTURES MUST HAVE POURED CONCRETE INVERTS.
  - IN THE EVENT THAT ONLY THE BASE BID IS AWARDED, FINAL GRADING SHALL BE AS SHOWN PER C-104.
  - BASE BID SHALL TERMINATE AT STA. 26+00 AND INCLUDE APPROXIMATELY 256 LF OF 84" RCP STARTING FROM MH-2.

## AUGUSTA REGIONAL AIRPORT SOUTHEAST DRAINAGE DITCH ENCLOSURE PH II 1501 AVIATION WAY AUGUSTA GA, 30906

ISSUED FOR BID  
REV. 1: UPDATED NOTES

NOT FOR CONSTRUCTION

AGS:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: NJH  
DRAWN BY: NJH  
CHECKED BY: EJS  
DO NOT SCALE DRAWINGS

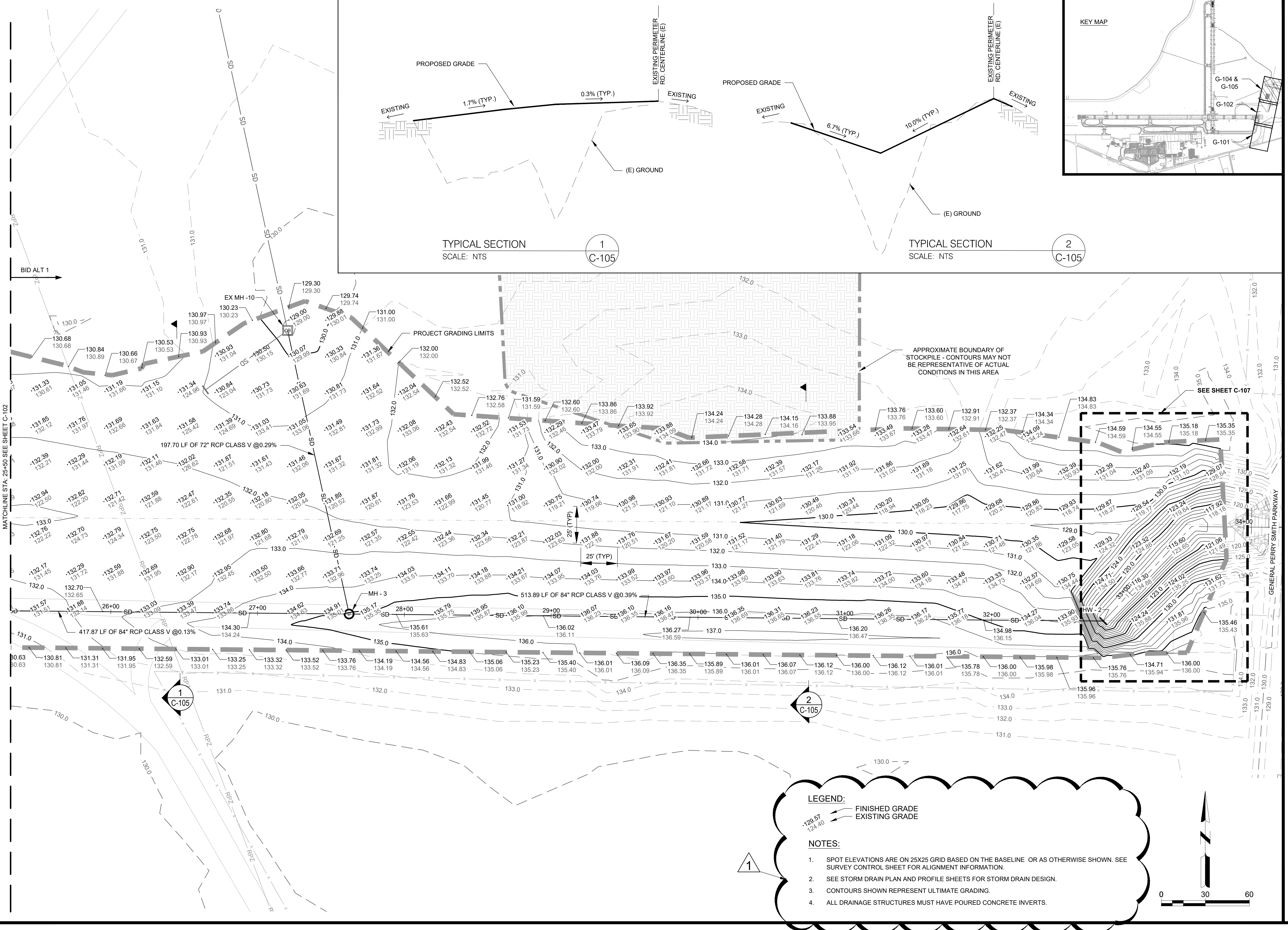
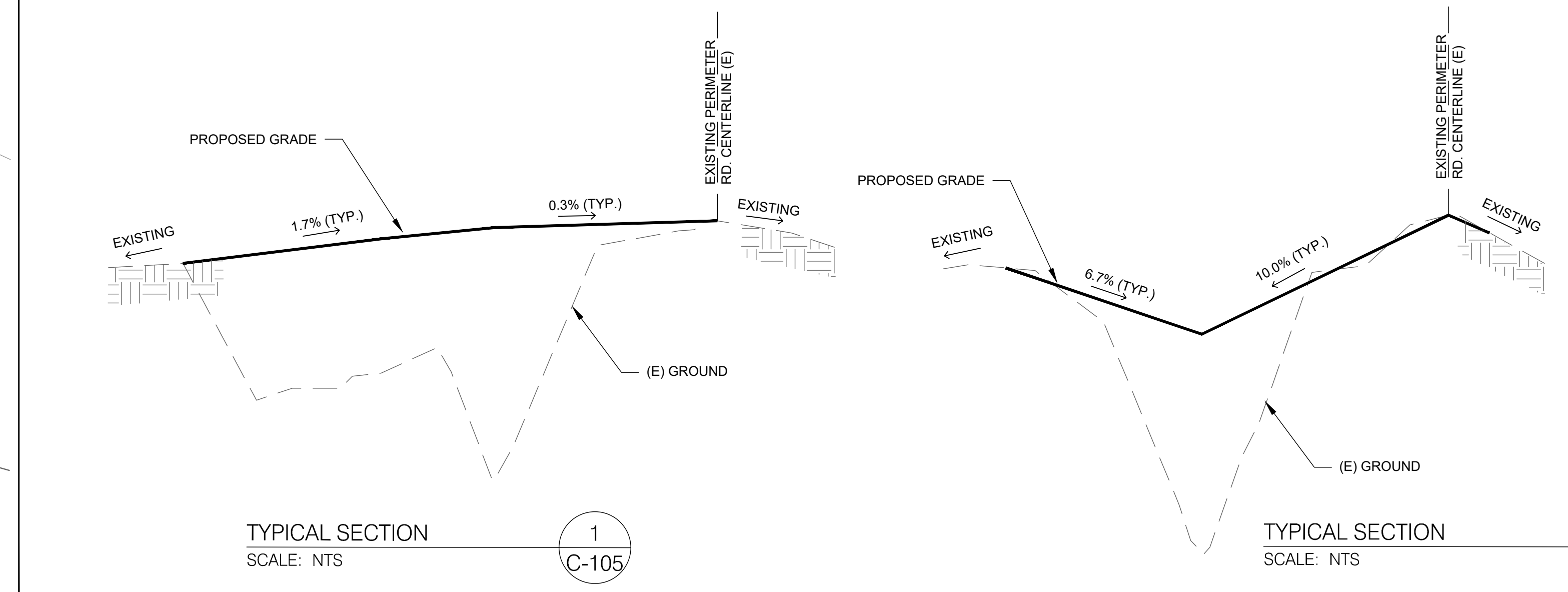
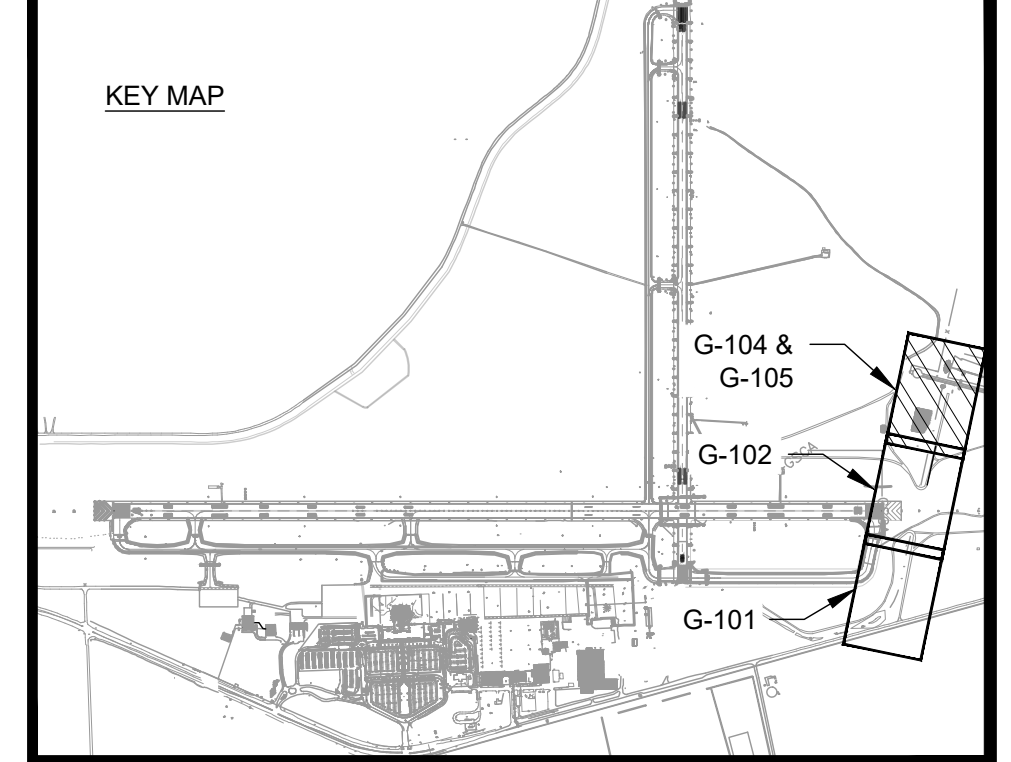
SHEET CONTENTS  
GRADING & DRAINAGE  
PLAN STA 17+50 TO  
26+00

SHEET NO.

# C-102

X:\0119700\210463.01\TECH\DRAWINGS\C-101 GRADING PLAN.DWG 2/4/2025 9:20 AM



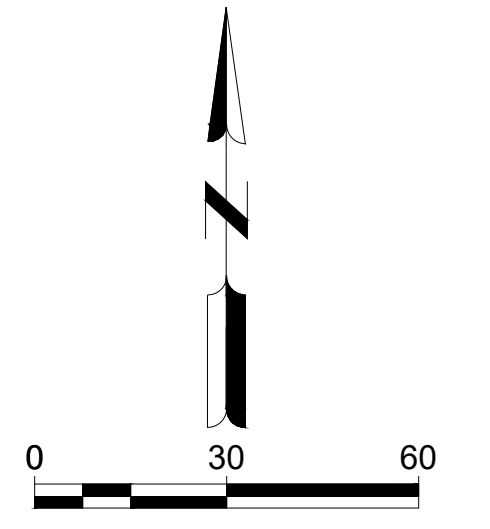


**LEGEND:**

- FINISHED GRADE
- - - EXISTING GRADE

**NOTES:**

- SPOT ELEVATIONS ARE ON 25X25 GRID BASED ON THE BASELINE OR AS OTHERWISE SHOWN. SEE SURVEY CONTROL SHEET FOR ALIGNMENT INFORMATION.
- SEE STORM DRAIN PLAN AND PROFILE SHEETS FOR STORM DRAIN DESIGN.
- CONTOURS SHOWN REPRESENT ULTIMATE GRADING.
- ALL DRAINAGE STRUCTURES MUST HAVE POURED CONCRETE INVERTS.



## AUGUSTA REGIONAL AIRPORT SOUTHEAST DRAINAGE DITCH ENCLOSURE PH II 1501 AVIATION WAY AUGUSTA GA, 30906

ISSUED FOR BID  
REV. 1: UPDATED NOTES

NOT FOR CONSTRUCTION

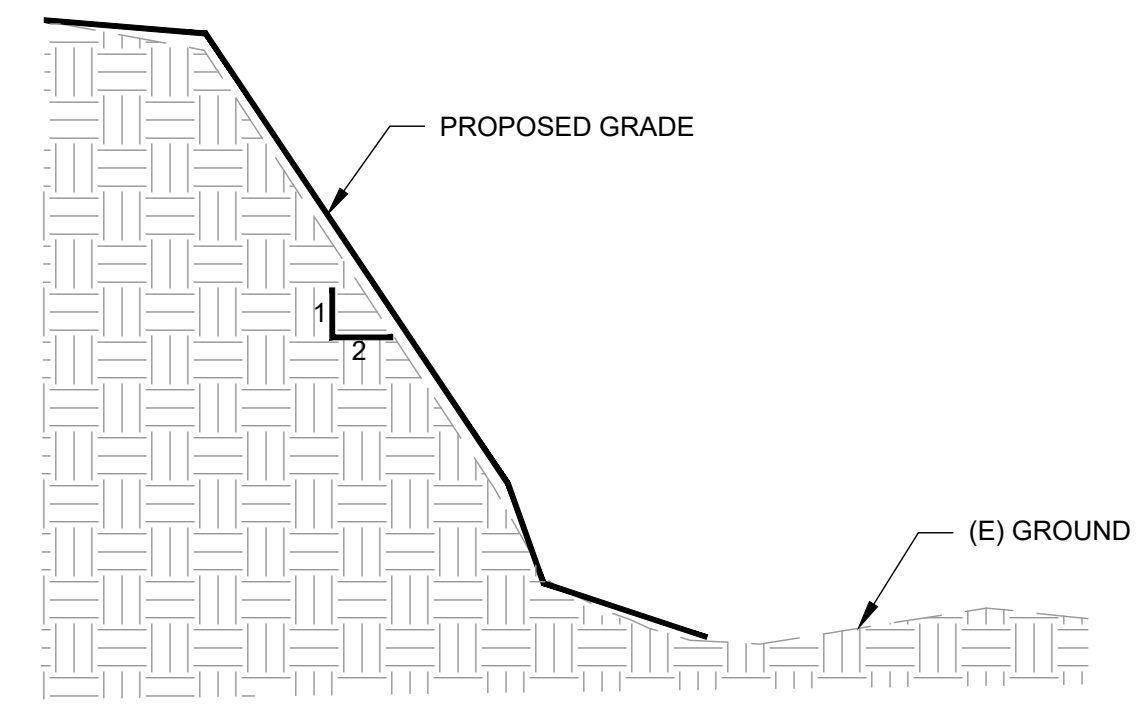
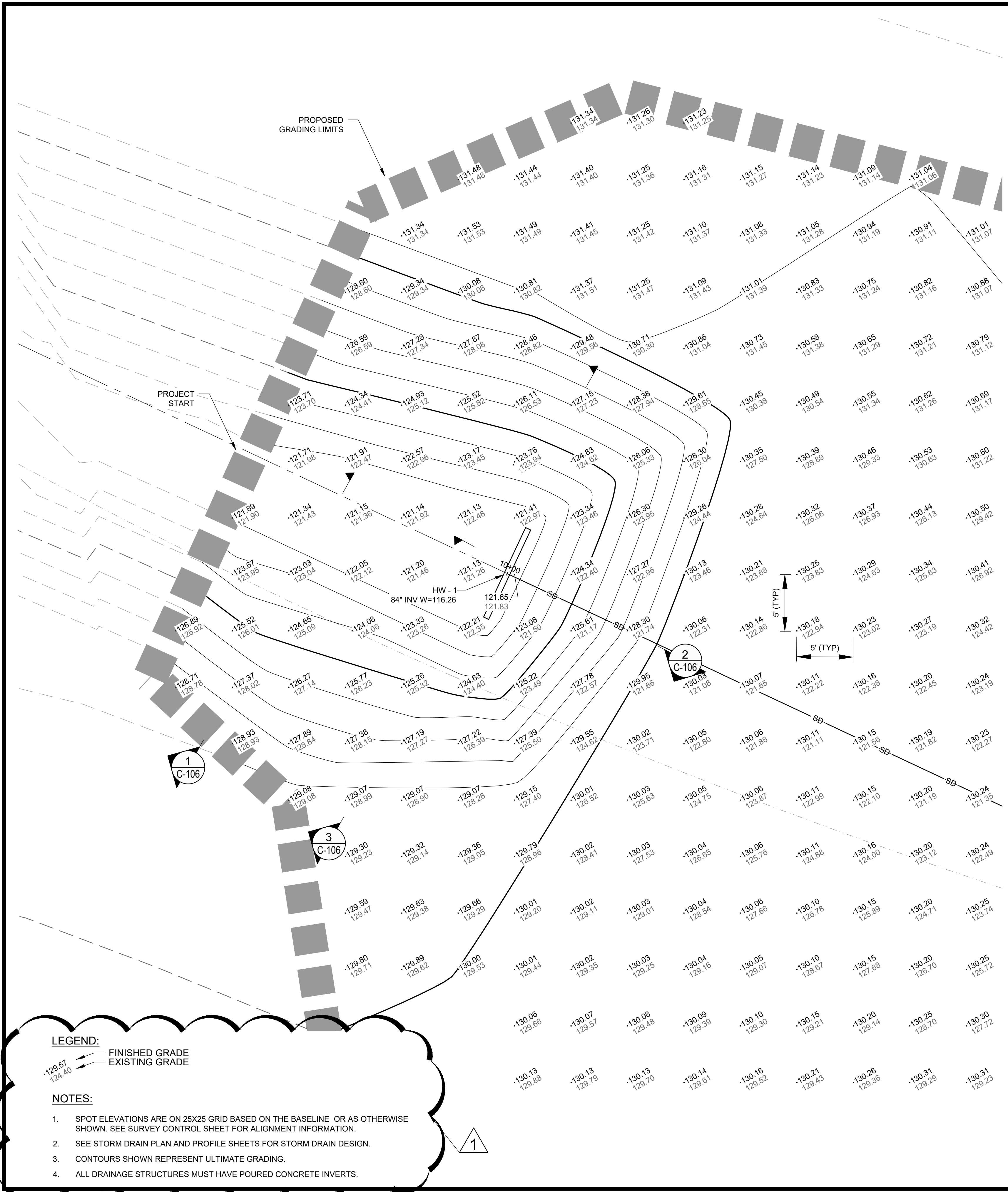
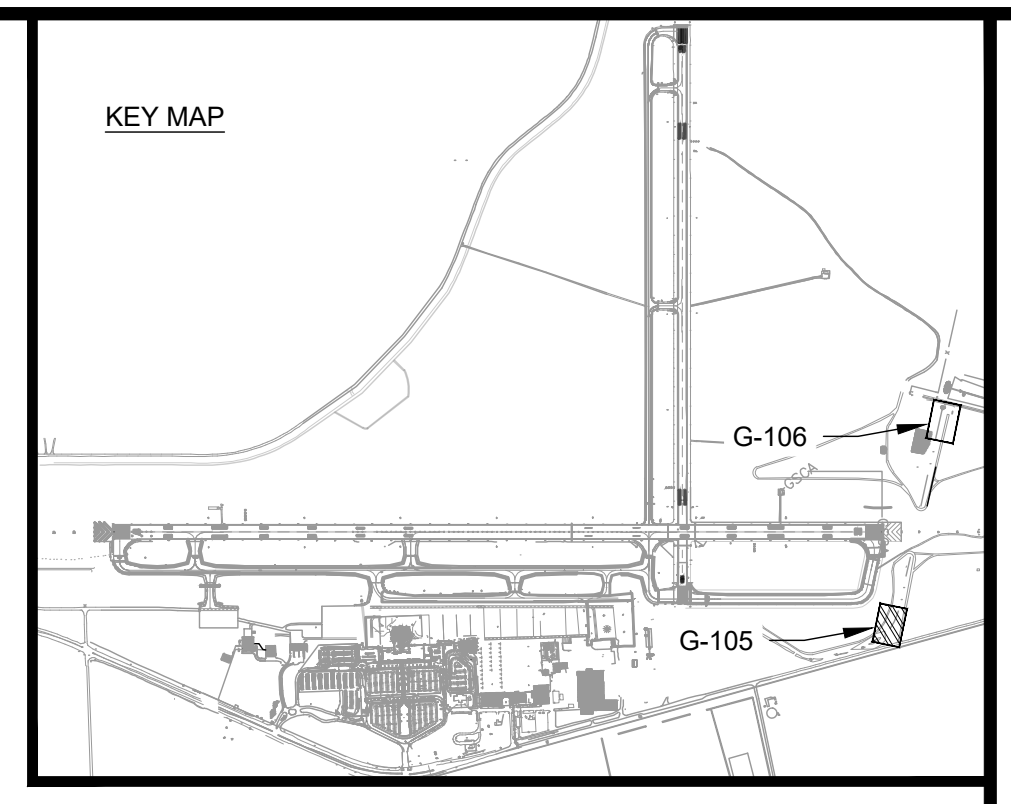
AGS:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: NJH  
DRAWN BY: NJH  
CHECKED BY: EJS  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
GRADING & DRAINAGE  
PLAN STA 26+00 TO  
34+50 - BID ALT

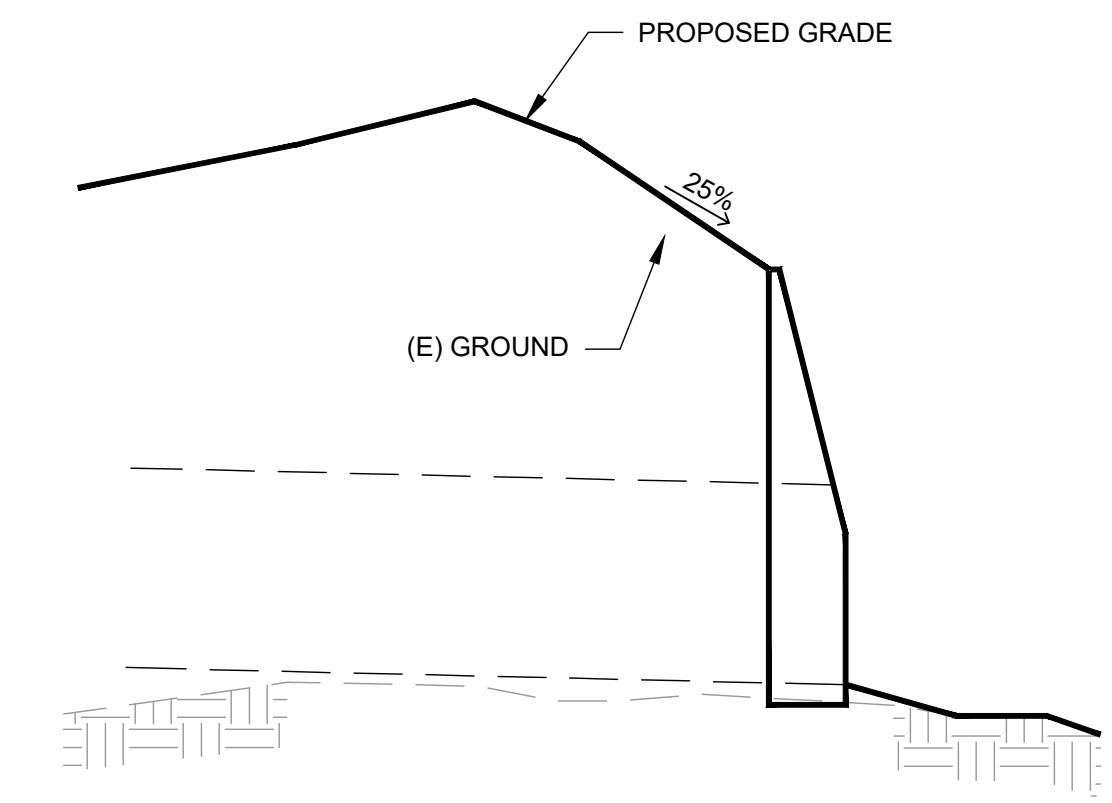
SHEET NO.

# C-105

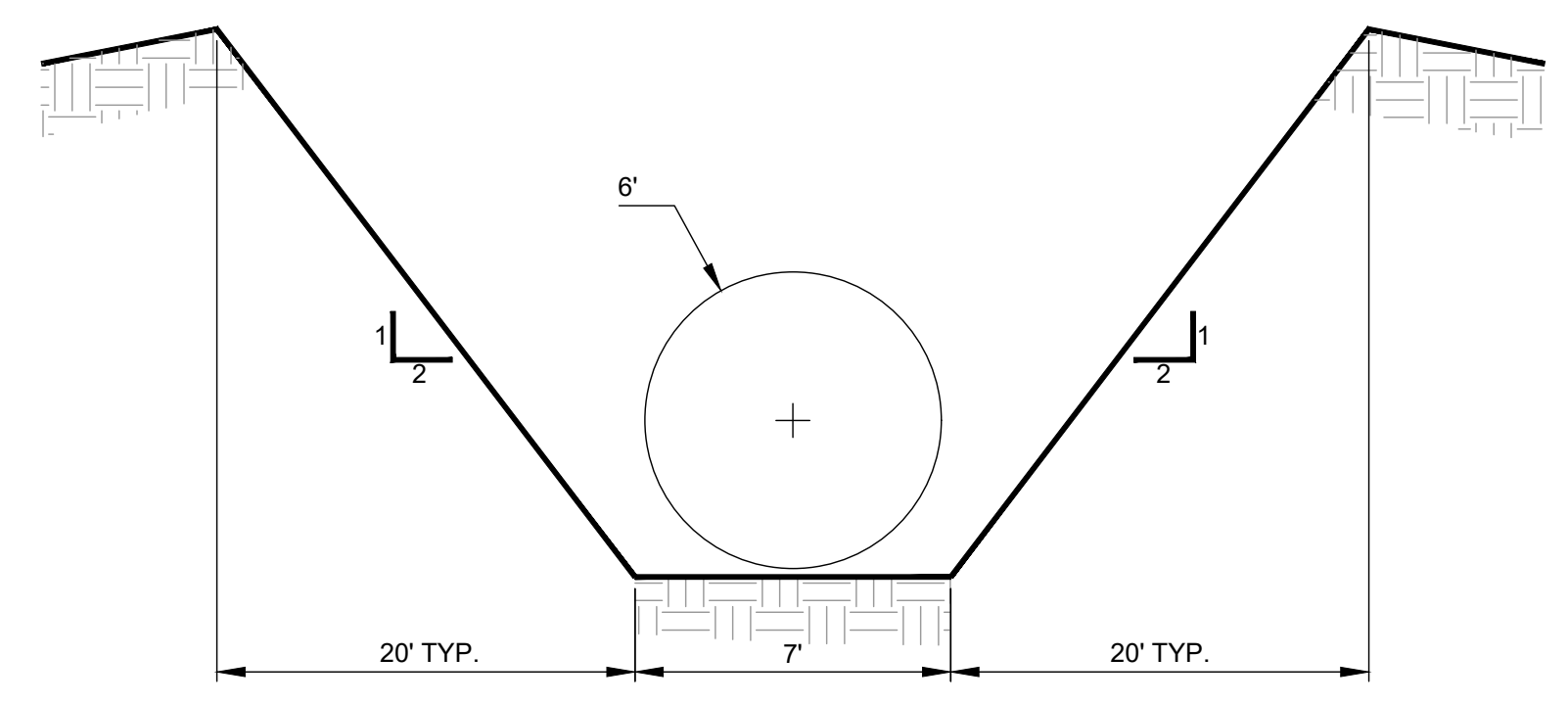




TYPICAL SECTION  
SCALE: NTS  
1  
C-106



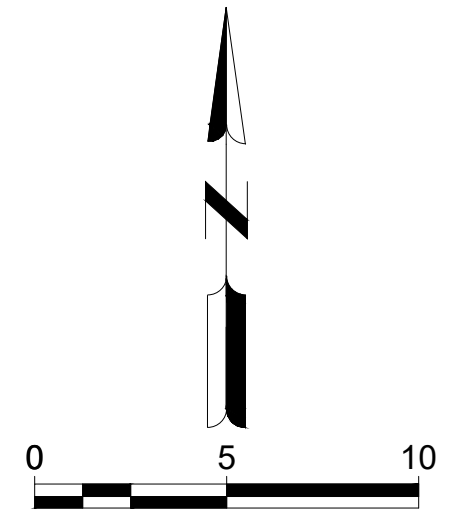
TYPICAL SECTION  
SCALE: NTS  
2  
C-106



TYPICAL SECTION  
SCALE: NTS  
3  
C-106

**LEGEND:**  
 FINISHED GRADE  
 EXISTING GRADE

- NOTES:**
1. SPOT ELEVATIONS ARE ON 25X25 GRID BASED ON THE BASELINE OR AS OTHERWISE SHOWN. SEE SURVEY CONTROL SHEET FOR ALIGNMENT INFORMATION.
  2. SEE STORM DRAIN PLAN AND PROFILE SHEETS FOR STORM DRAIN DESIGN.
  3. CONTOURS SHOWN REPRESENT ULTIMATE GRADING.
  4. ALL DRAINAGE STRUCTURES MUST HAVE POURED CONCRETE INVERTS.



**AUGUSTA REGIONAL AIRPORT  
SOUTHEAST DRAINAGE DITCH  
ENCLOSURE PH II  
1501 AVIATION WAY  
AUGUSTA GA, 30906**

ISSUED FOR BID  
REV. 1: UPDATED NOTES

NOT FOR CONSTRUCTION

AGS:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: NJH  
DRAWN BY: NJH  
CHECKED BY: EJS  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
GRADING & DRAINAGE  
PLAN INLET  
HEADWALL

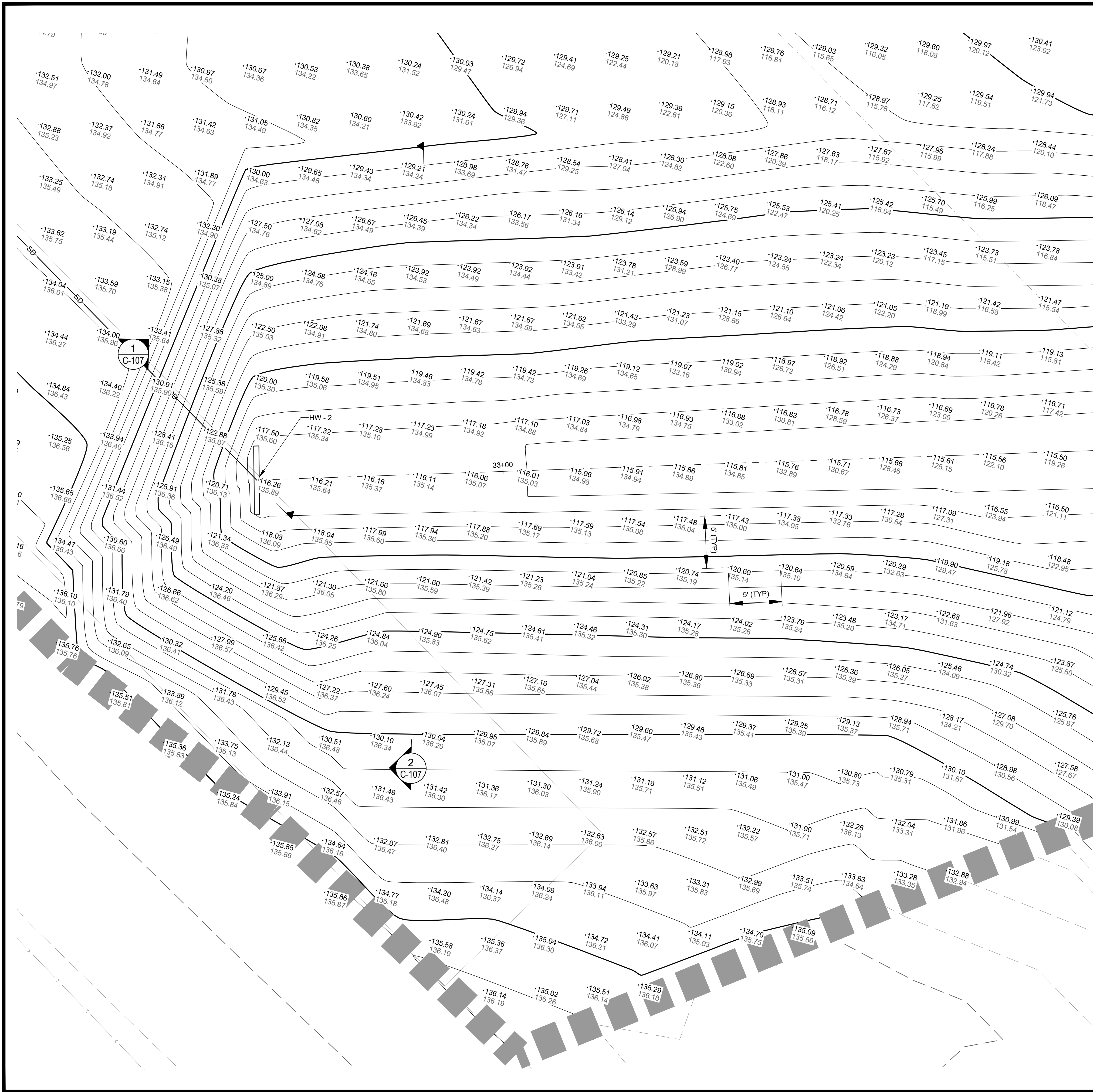
SHEET NO.

**C-106**

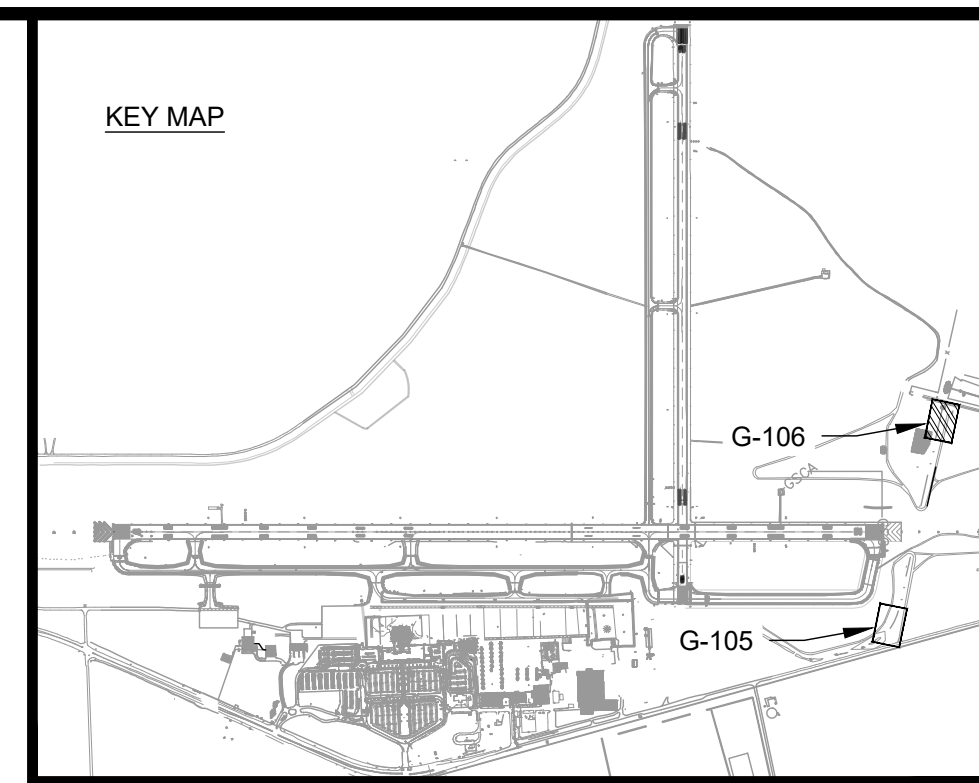
X:\0119700\210463\01\TECH\DRAWINGS\C-101 GRADING PLAN.DWG 2/4/2024 8:31:08 AM



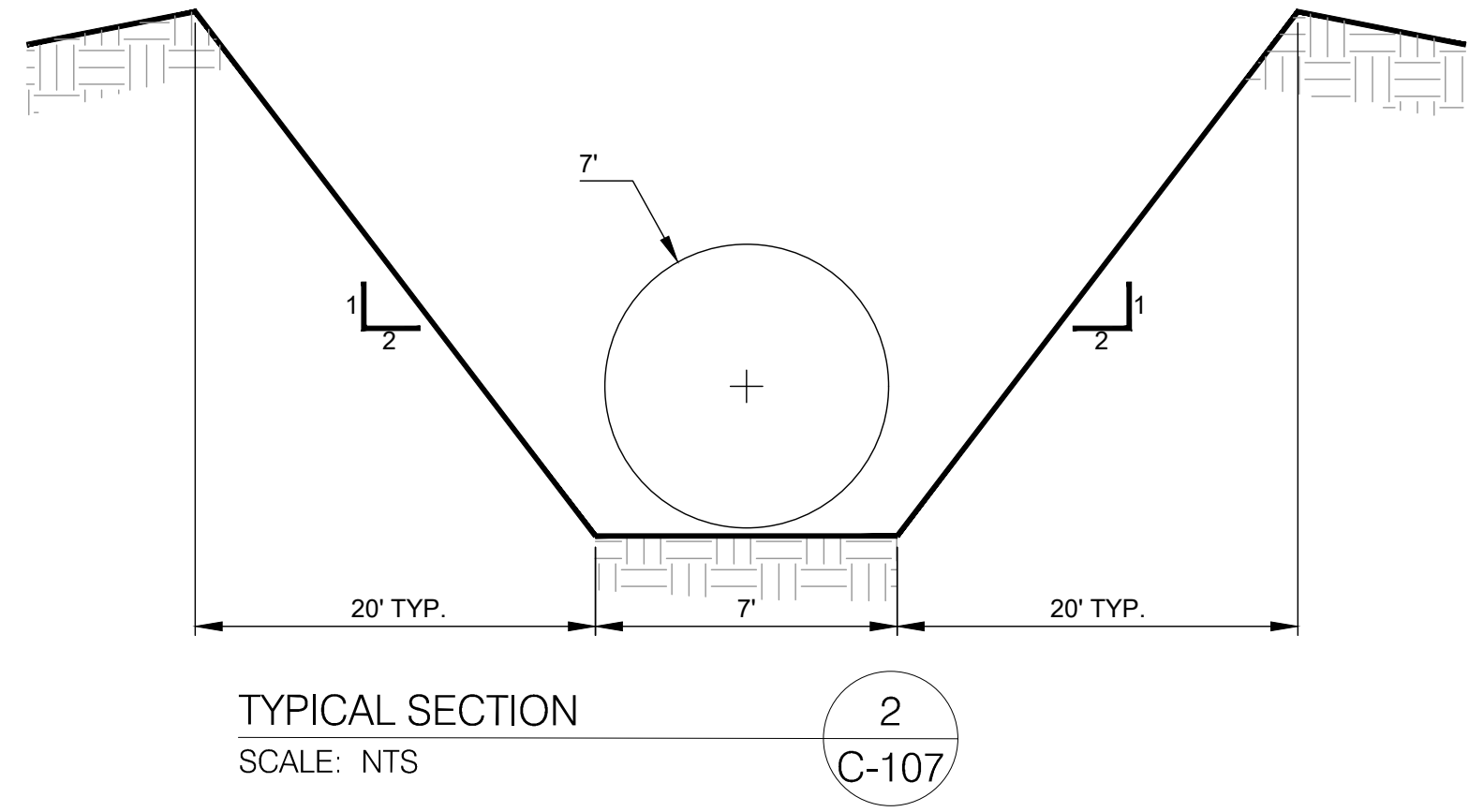
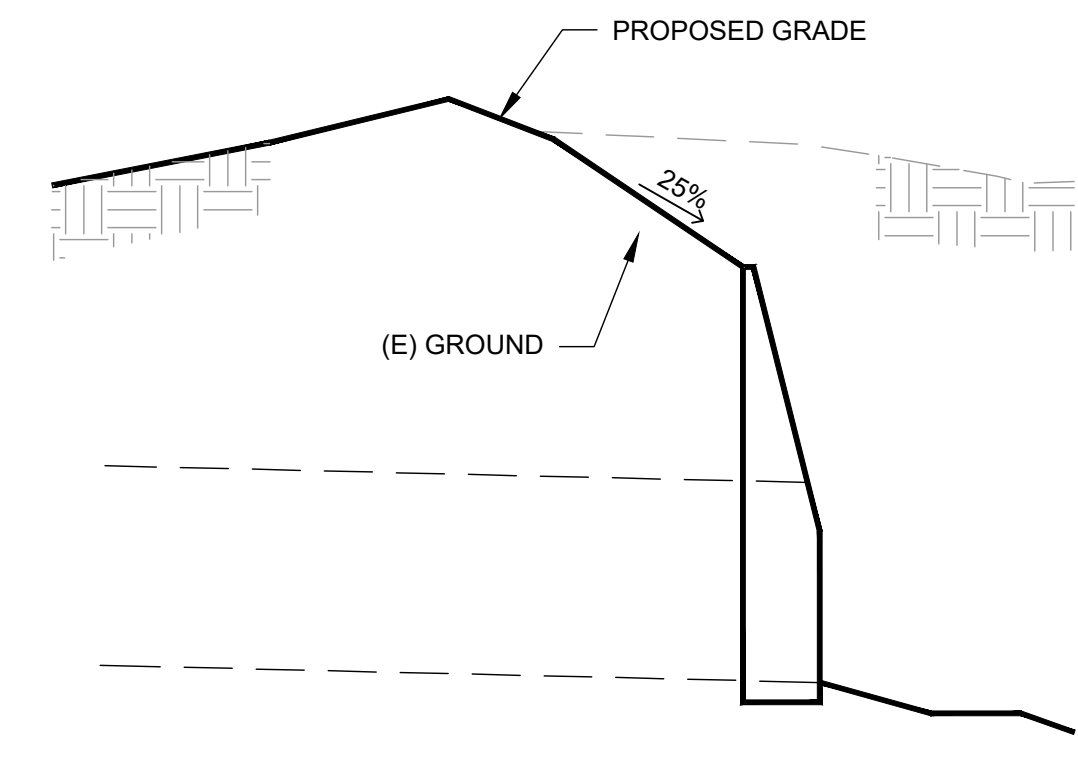
X:\01197002\10463.01\TECH\DRAWINGS\C-101 GRADING PLAN.DWG  
2/4/2025 8:31:30 AM



**LEGEND:**  
 FINISHED GRADE  
 EXISTING GRADE



- NOTES:**
1. SPOT ELEVATIONS ARE ON 25X25 GRID BASED ON THE BASELINE OR AS OTHERWISE SHOWN. SEE SURVEY CONTROL SHEET FOR ALIGNMENT INFORMATION.
  2. SEE STORM DRAIN PLAN AND PROFILE SHEETS FOR STORM DRAIN DESIGN.
  3. CONTOURS SHOWN REPRESENT ULTIMATE GRADING.
  4. ALL DRAINAGE STRUCTURES MUST HAVE POURED CONCRETE INVERTS.



**Mead & Hunt**  
 Mead and Hunt, Inc.  
 5955 Core Road, Suite 515  
 North Charleston, SC 29406  
 phone: 843-486-8330  
 meadhunt.com

**AGS AUGUSTA REGIONAL AIRPORT**

© Copyright 2022 Mead & Hunt, Inc. This document, or any portion thereof, shall not be duplicated, disclosed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.

**AUGUSTA REGIONAL AIRPORT  
 SOUTHEAST DRAINAGE DITCH  
 ENCLOSURE PH II  
 1501 AVIATION WAY  
 AUGUSTA GA, 30906**

ISSUED FOR BID  
 REV. 1: UPDATED NOTES

NOT FOR CONSTRUCTION

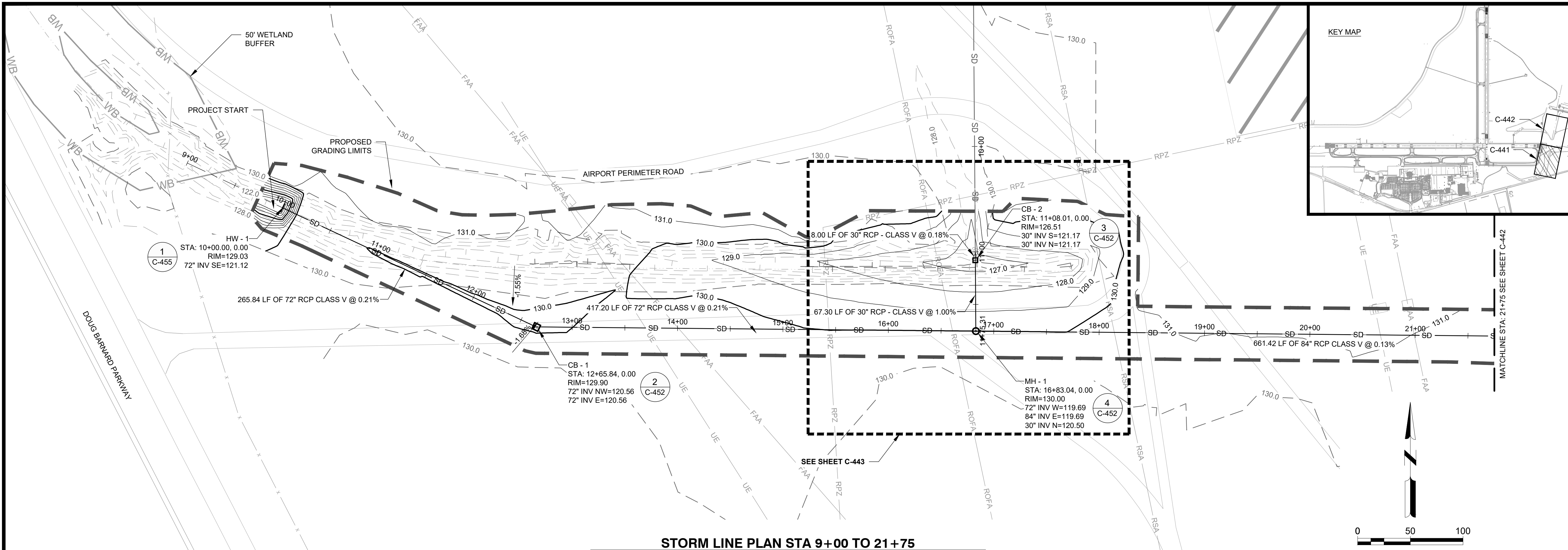
AGS:  
 M&H NO.: 0119700-210463.01  
 DATE: OCTOBER 22, 2024  
 DESIGNED BY: NJH  
 DRAWN BY: NJH  
 CHECKED BY: EJS  
 DO NOT SCALE DRAWINGS

SHEET CONTENTS  
 GRADING & DRAINAGE  
 PLAN OUTLET  
 HEADWALL

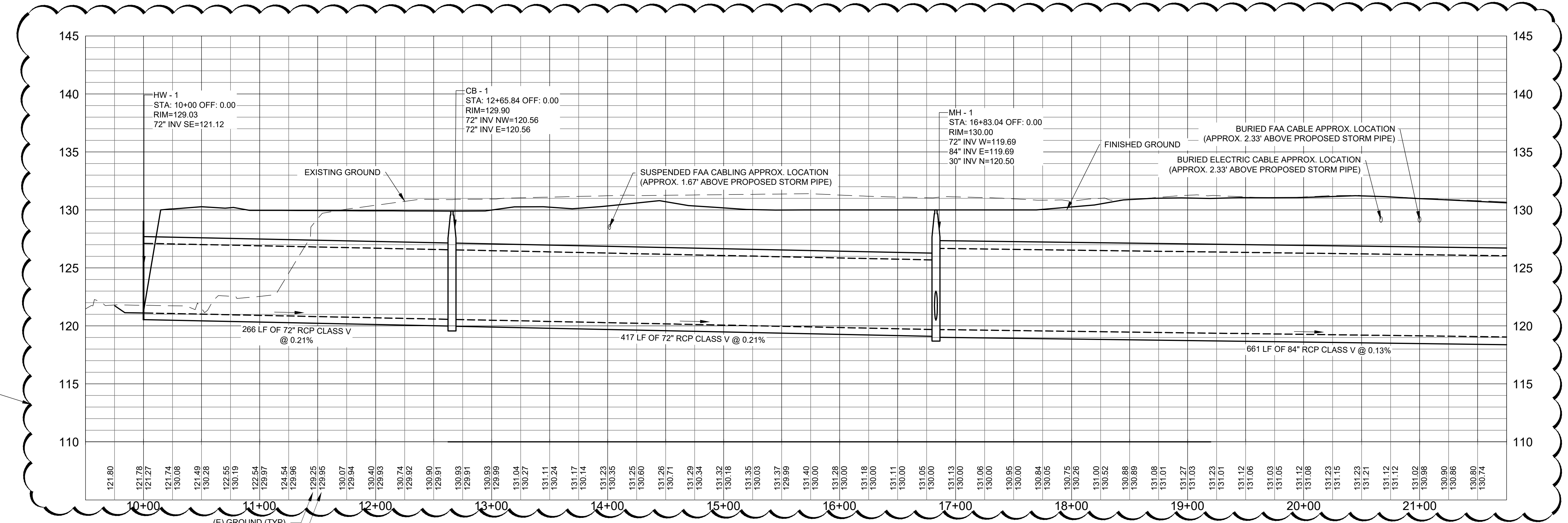
SHEET NO.

**C-107**



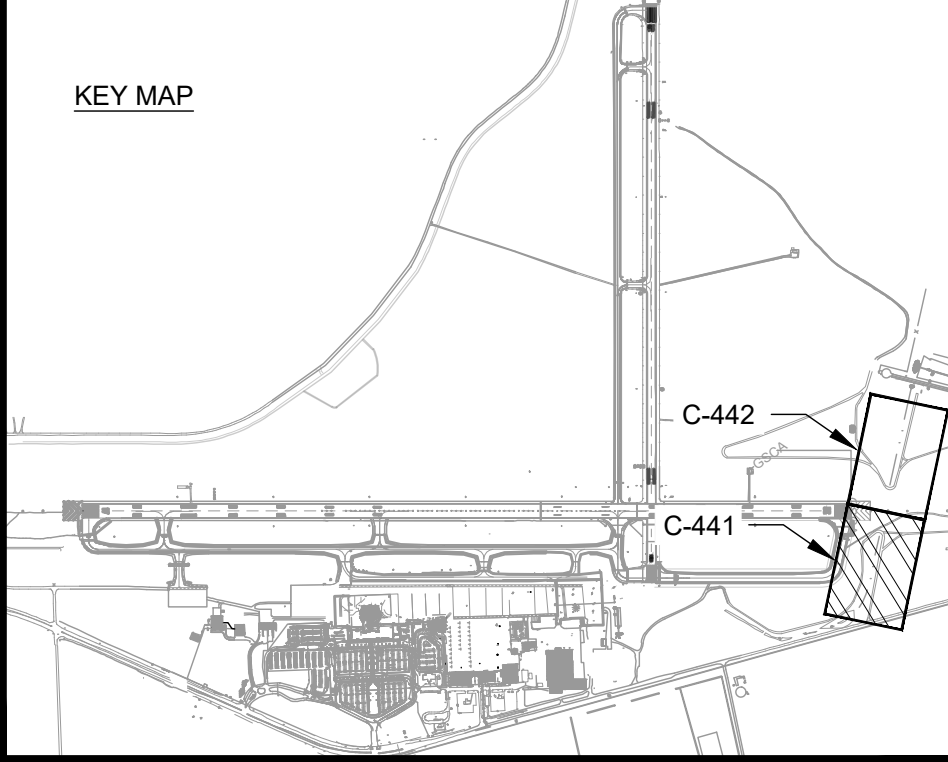


**STORM LINE PLAN STA 9+00 TO 21+75**



**STORM LINE PROFILE STA 9+00 TO 21+75**

NOTE: UTILITIES SHOWN ARE BASED UPON PREVIOUS AIRPORT DATA AND ADDITIONAL UTILITIES MAY EXIST. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE AND PROTECT EXISTING UTILITIES



**Mead & Hunt**  
 Mead and Hunt, Inc.  
 5955 Core Road, Suite 515  
 North Charleston, SC 29406  
 phone: 843-486-8330  
 meadhunt.com

**AGS AUGUSTA REGIONAL AIRPORT**

© Copyright 2022 Mead & Hunt, Inc. This document, or any portion thereof, shall not be duplicated, disclosed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.

**AUGUSTA REGIONAL AIRPORT  
 SOUTHEAST DRAINAGE DITCH  
 ENCLOSURE PH II**  
 1501 AVIATION WAY  
 AUGUSTA GA, 30906

ISSUED FOR BID  
 REV. 1: DIRECTIONAL FLOW ARROWS

NOT FOR CONSTRUCTION

AGS:  
 M&H NO.: 0119700-210463.01  
 DATE: OCTOBER 22, 2024  
 DESIGNED BY: NJH  
 DRAWN BY: NJH  
 CHECKED BY: EJS  
 DO NOT SCALE DRAWINGS

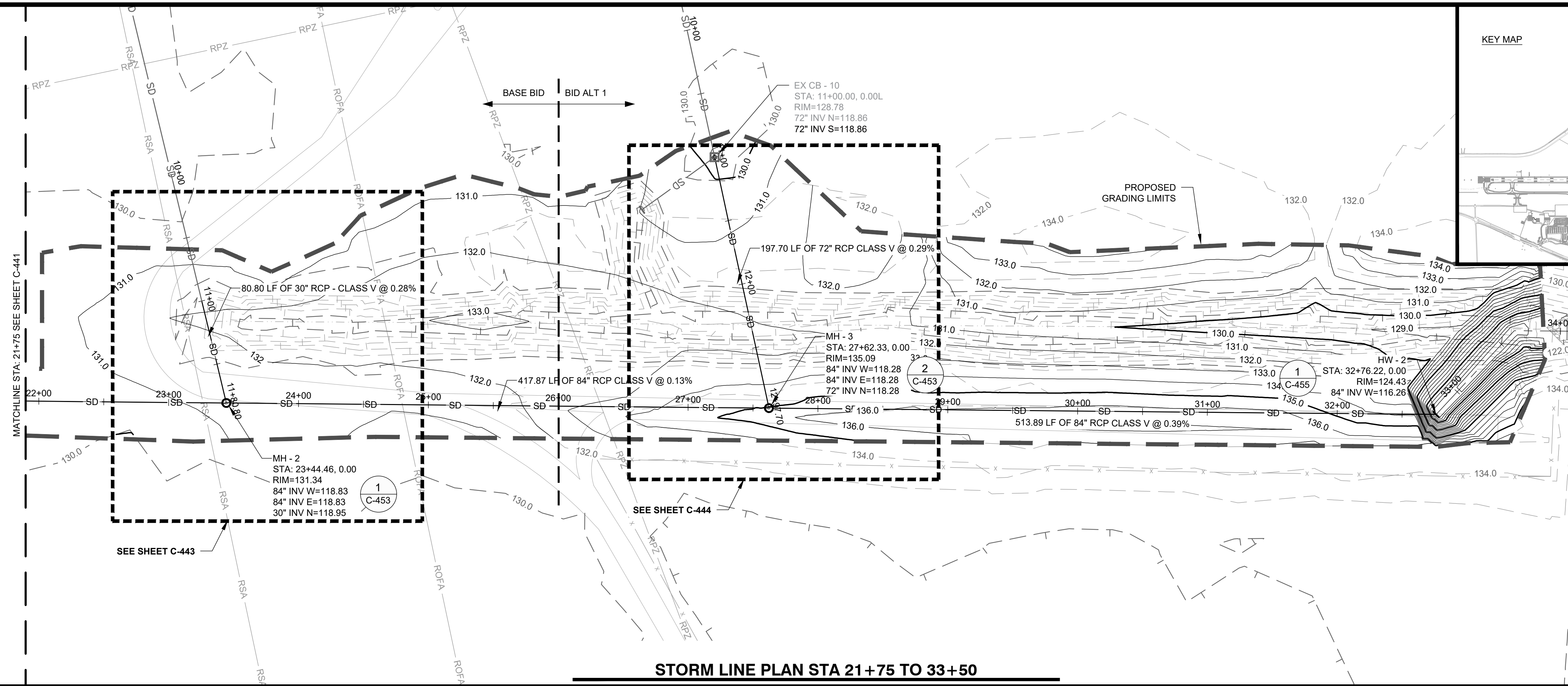
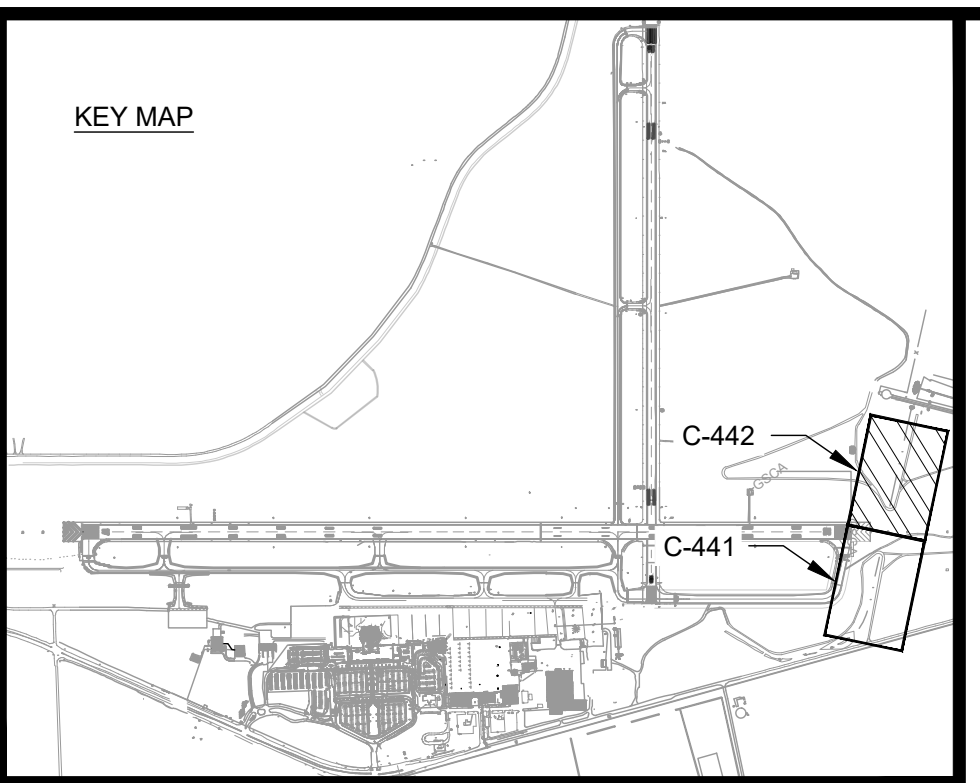
SHEET CONTENTS  
 STORM PLAN &  
 PROFILE STA 09+00  
 TO 21+75

SHEET NO.

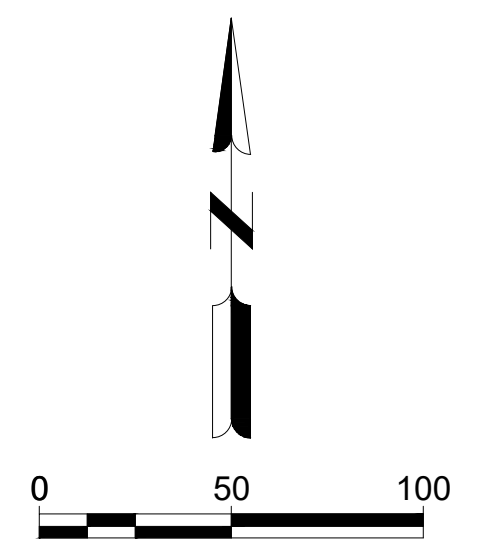
**C-441**

X:\0119700\210463.01\TECH\DRAWINGS\C-401 PLAN & PROFILE.DWG  
 2/4/2025 8:31:59 AM





**STORM LINE PLAN STA 21+75 TO 33+50**



**AUGUSTA REGIONAL AIRPORT  
SOUTHEAST DRAINAGE DITCH  
ENCLOSURE PH II**  
1501 AVIATION WAY  
AUGUSTA GA, 30906

ISSUED FOR BID  
REV. 1: DIRECTIONAL FLOW ARROWS

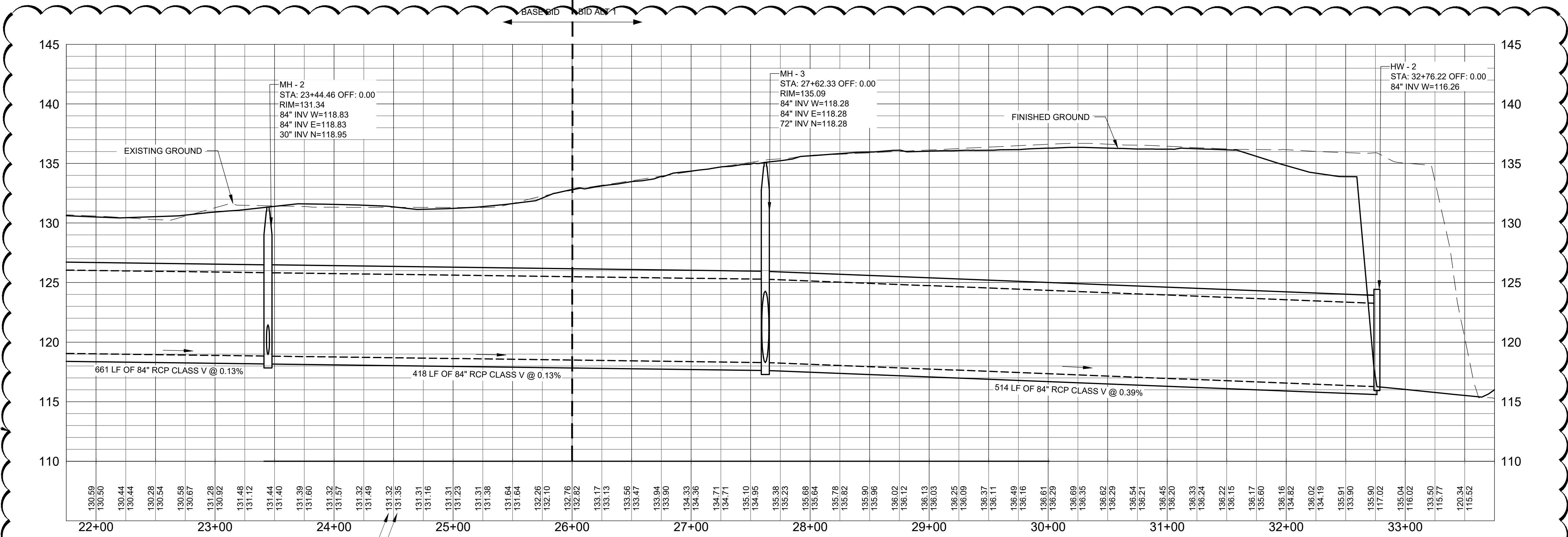
NOT FOR CONSTRUCTION

AGS:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: NJH  
DRAWN BY: NJH  
CHECKED BY: EJS  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
STORM PLAN &  
PROFILE STA 21+75  
TO 33+50

SHEET NO.

**C-442**

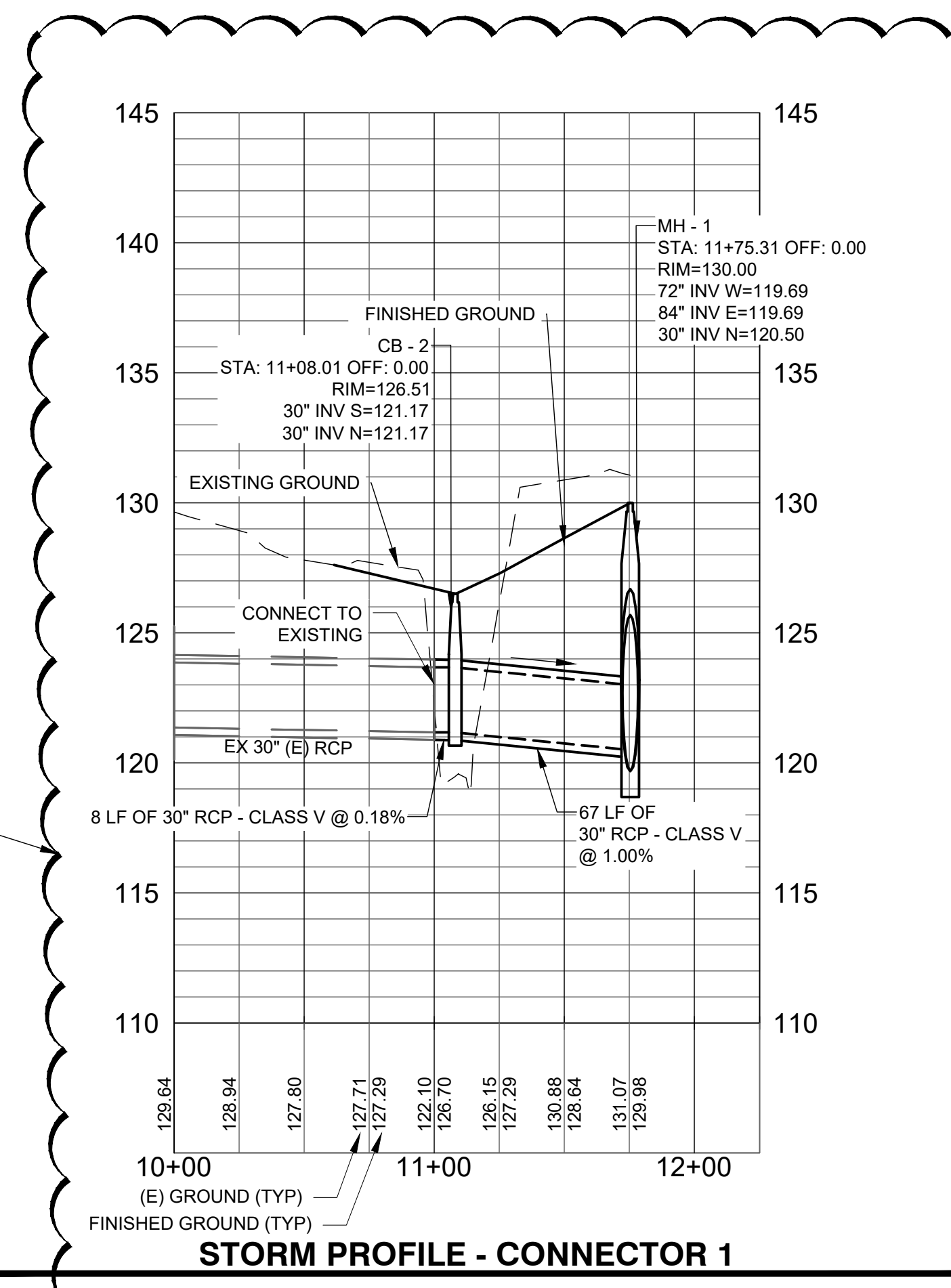
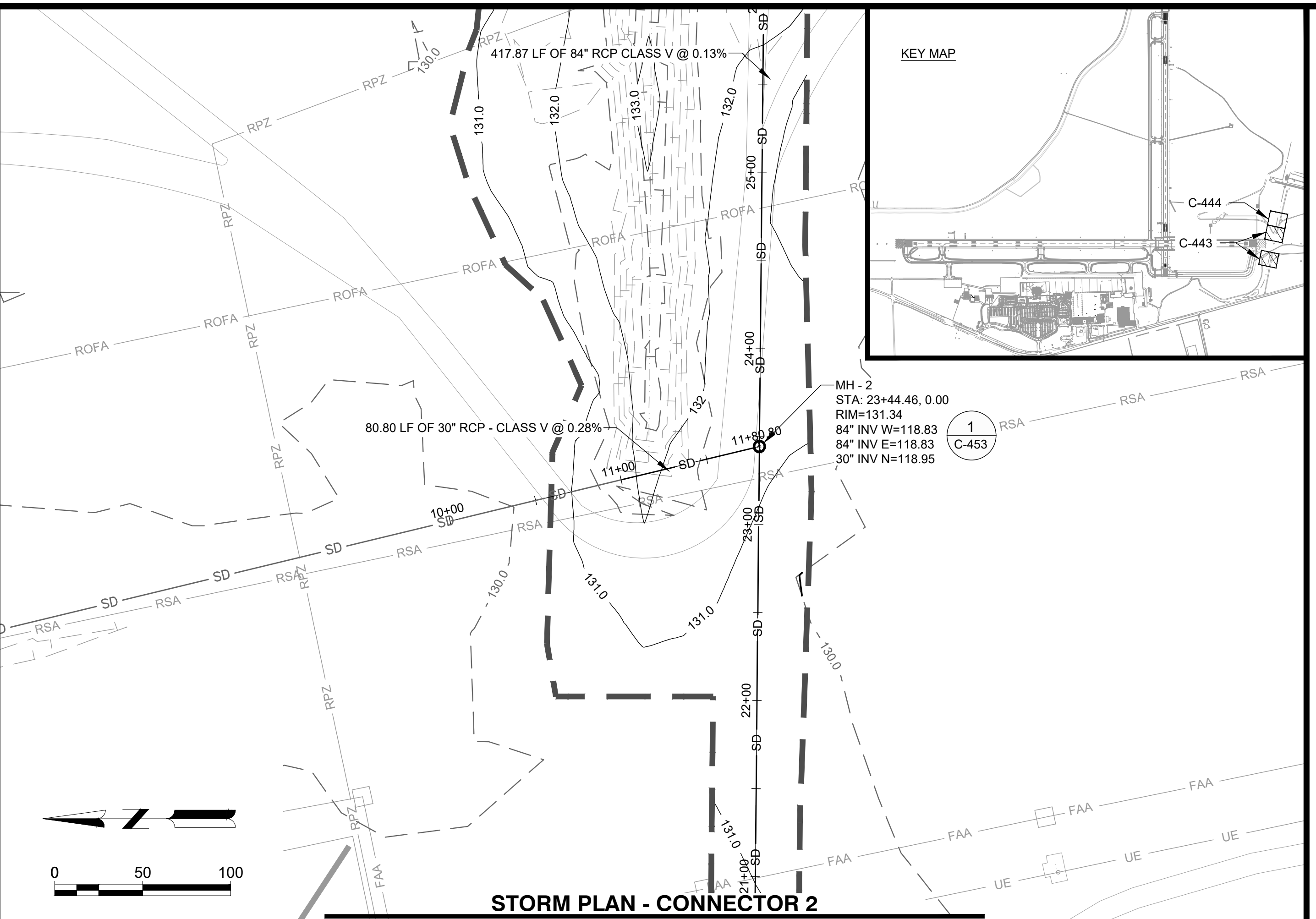
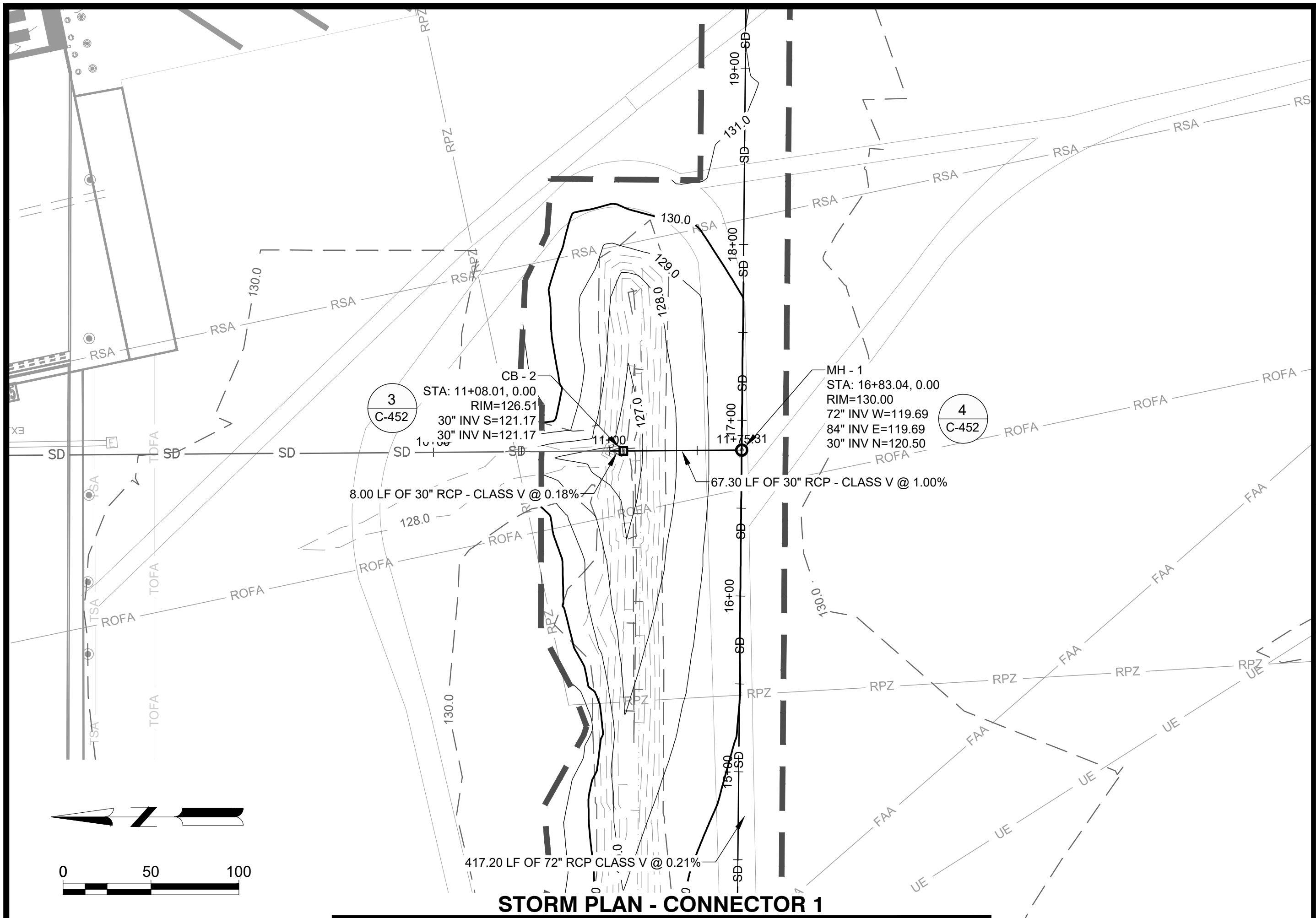
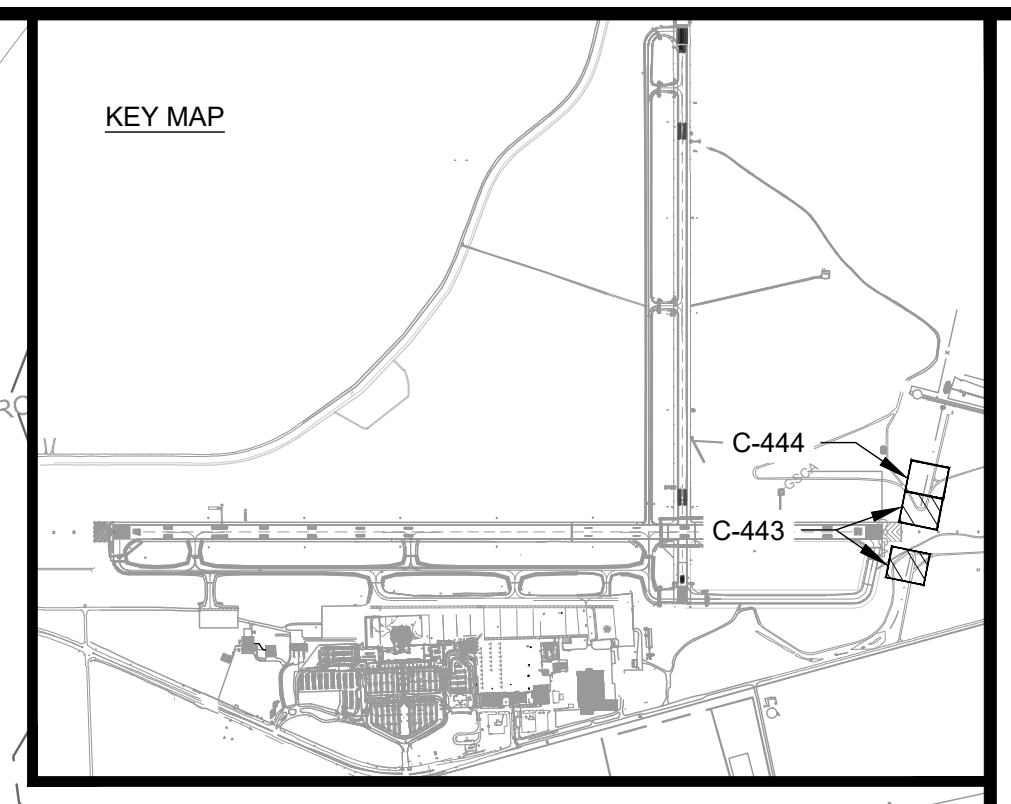


**STORM LINE PROFILE STA 21+75 TO 33+50**

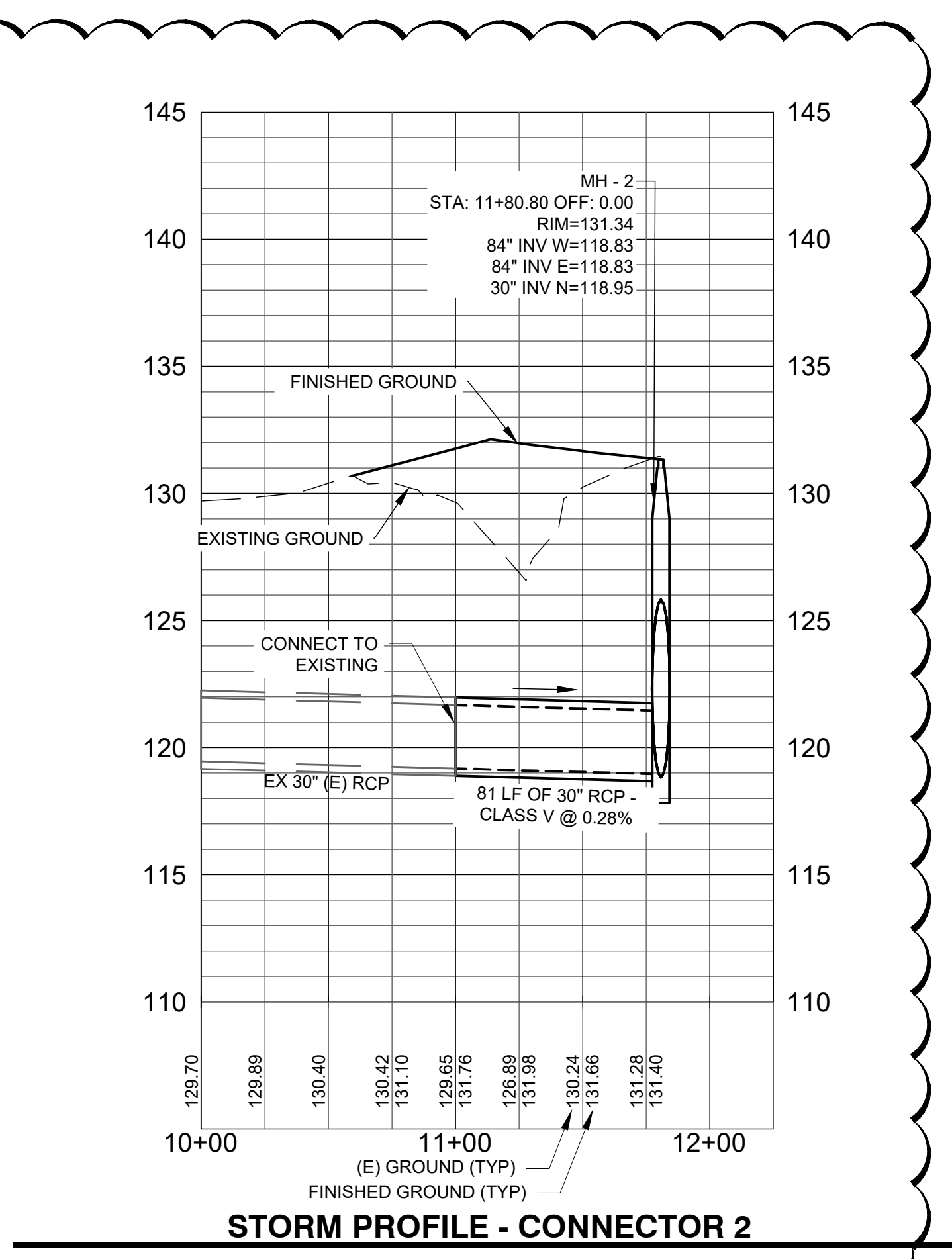
NOTE: UTILITIES SHOWN ARE BASED UPON PREVIOUS AIRPORT DATA AND ADDITIONAL UTILITIES MAY EXIST. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE AND PROTECT EXISTING UTILITIES

X:\0119700\210463\_01\TECH\DRAWINGS\C-401 PLAN & PROFILE.DWG 2/4/2025 8:32:17 AM





NOTE: UTILITIES SHOWN ARE BASED UPON PREVIOUS AIRPORT DATA AND ADDITIONAL UTILITIES MAY EXIST. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT EXISTING UTILITIES



NOTE: UTILITIES SHOWN ARE BASED UPON PREVIOUS AIRPORT DATA AND ADDITIONAL UTILITIES MAY EXIST. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT EXISTING UTILITIES

## AUGUSTA REGIONAL AIRPORT SOUTHEAST DRAINAGE DITCH ENCLOSURE PH II 1501 AVIATION WAY AUGUSTA GA, 30906

ISSUED FOR BID  
REV. 1: DIRECTIONAL FLOW ARROWS

NOT FOR CONSTRUCTION

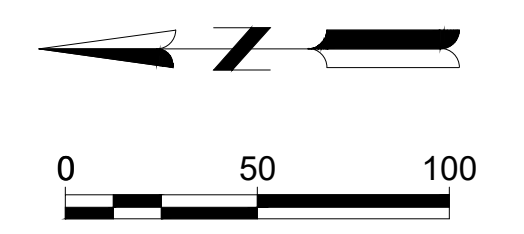
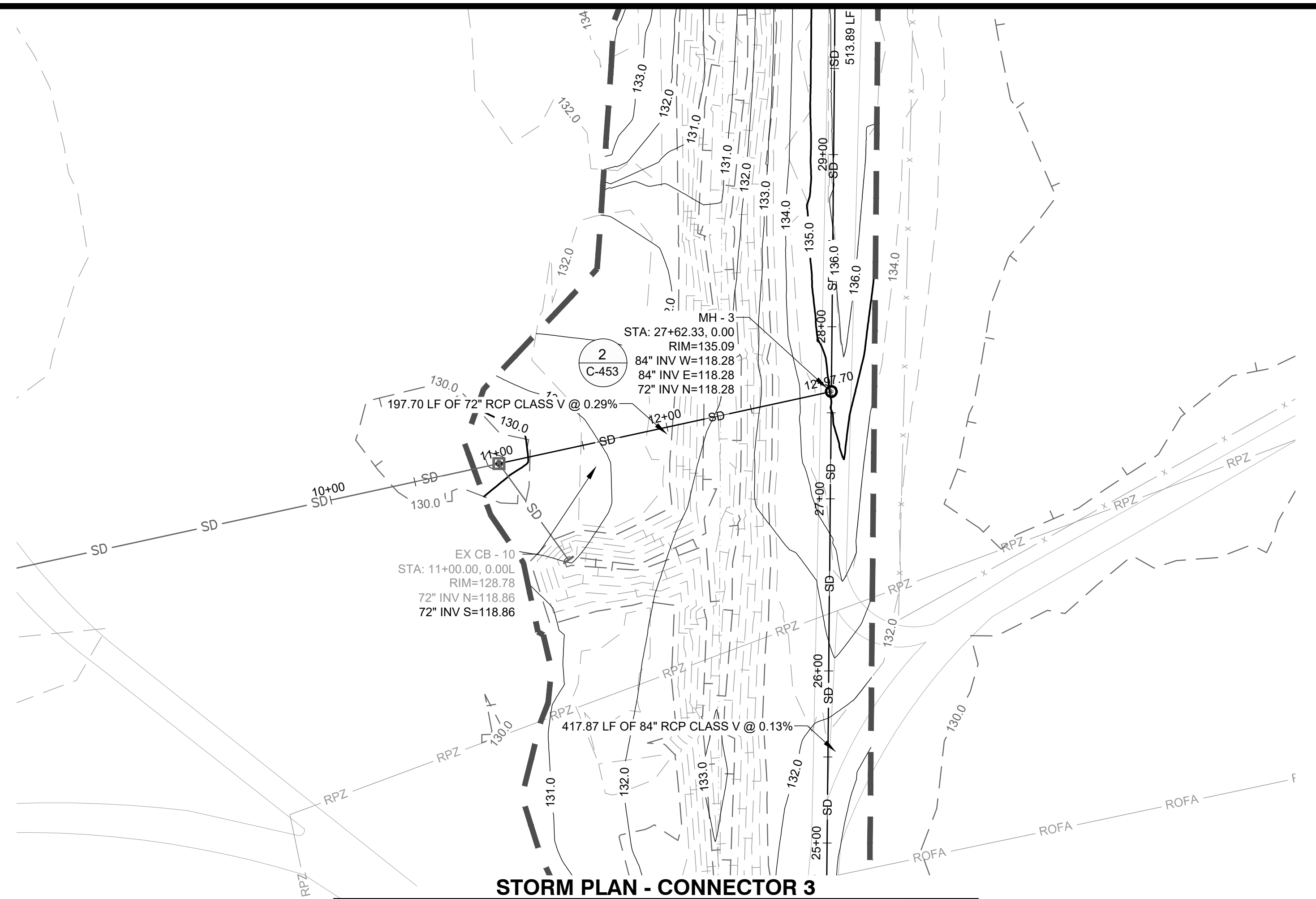
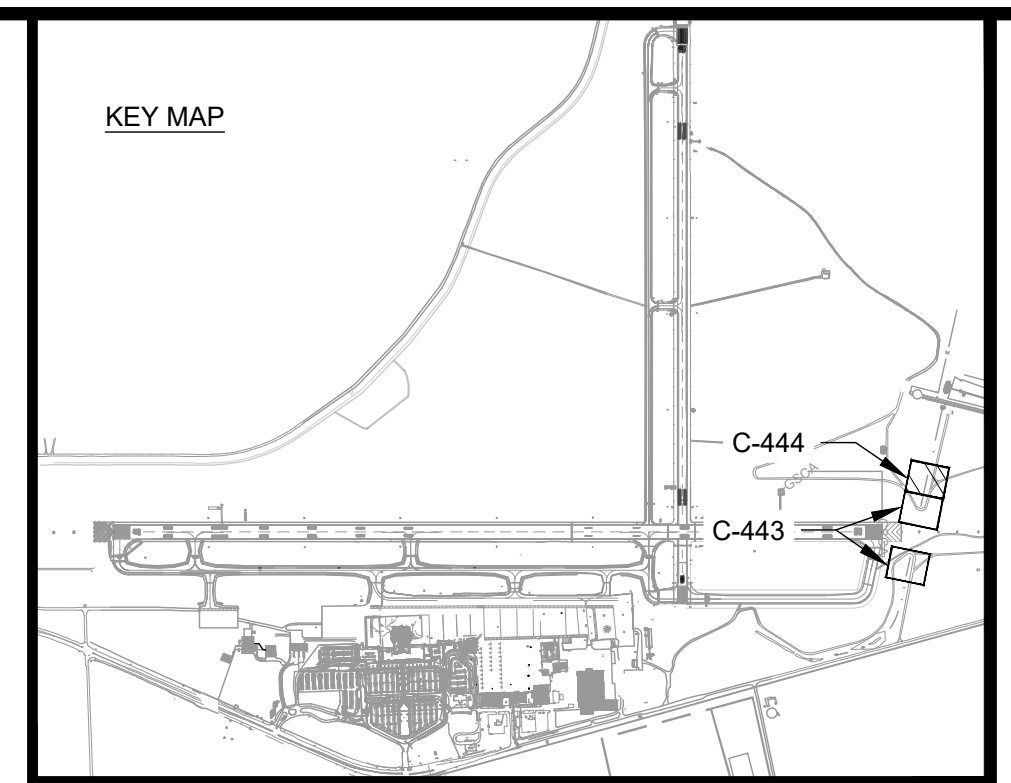
AGS:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: NJH  
DRAWN BY: NJH  
CHECKED BY: EJS  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
STORM PLAN & PROFILE - CONNECTIONS 1 & 2

SHEET NO.

# C-443





**AUGUSTA REGIONAL AIRPORT  
SOUTHEAST DRAINAGE DITCH  
ENCLOSURE PH II  
1501 AVIATION WAY  
AUGUSTA GA, 30906**

ISSUED  
ISSUED FOR BID  
REV. 1: DIRECTIONAL  
FLOW ARROWS

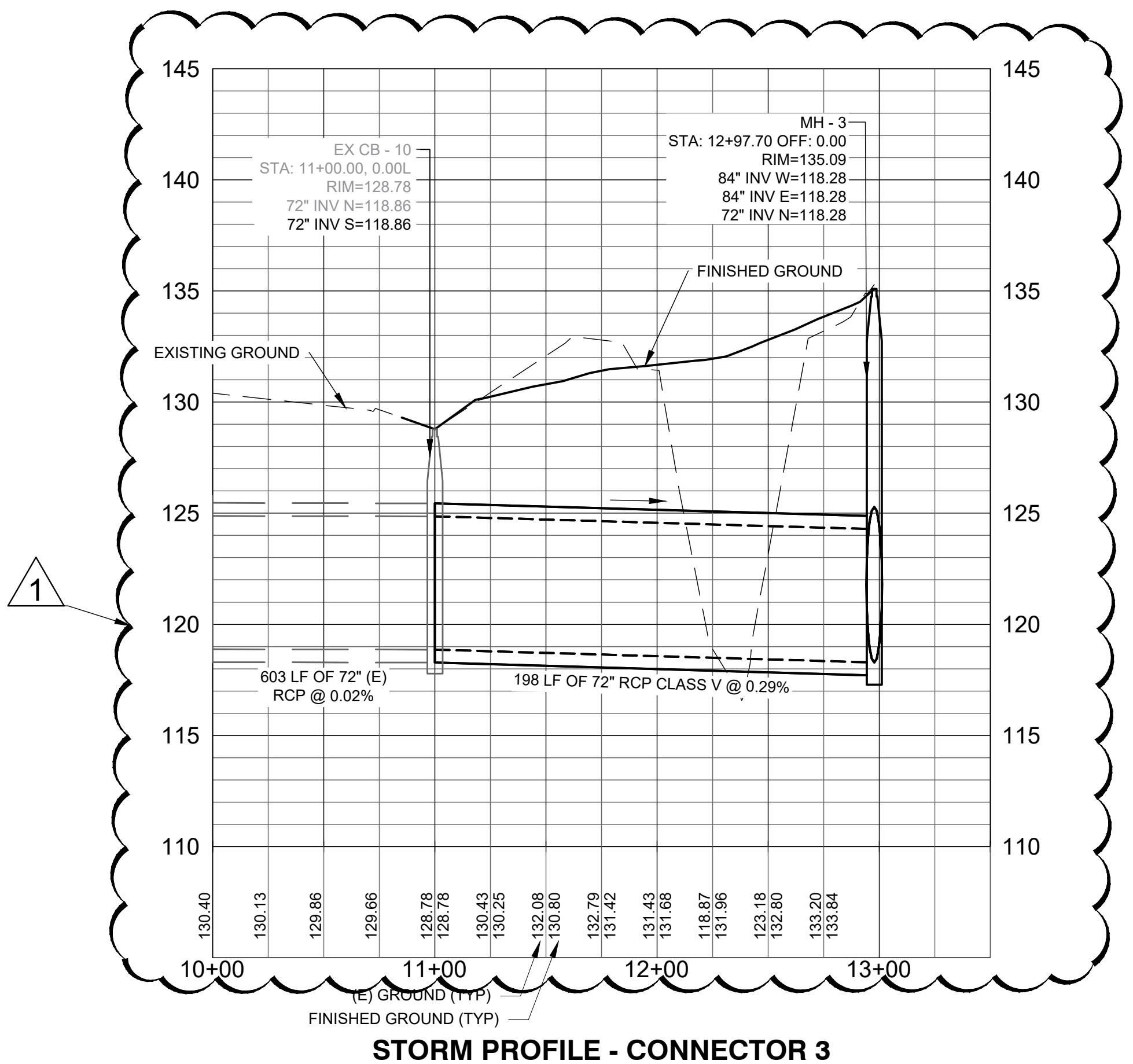
NOT FOR CONSTRUCTION

AIG:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: NJH  
DRAWN BY: NJH  
CHECKED BY: EJS  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
STORM PLAN &  
PROFILE -  
CONNECTION 3

SHEET NO.

**C-444**



NOTE: UTILITIES SHOWN ARE BASED UPON PREVIOUS AIRPORT DATA AND ADDITIONAL UTILITIES MAY EXIST. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE AND PROTECT EXISTING UTILITIES



## AUGUSTA REGIONAL AIRPORT SOUTHEAST DRAINAGE DITCH ENCLOSURE PH II 1501 AVIATION WAY AUGUSTA GA, 30906

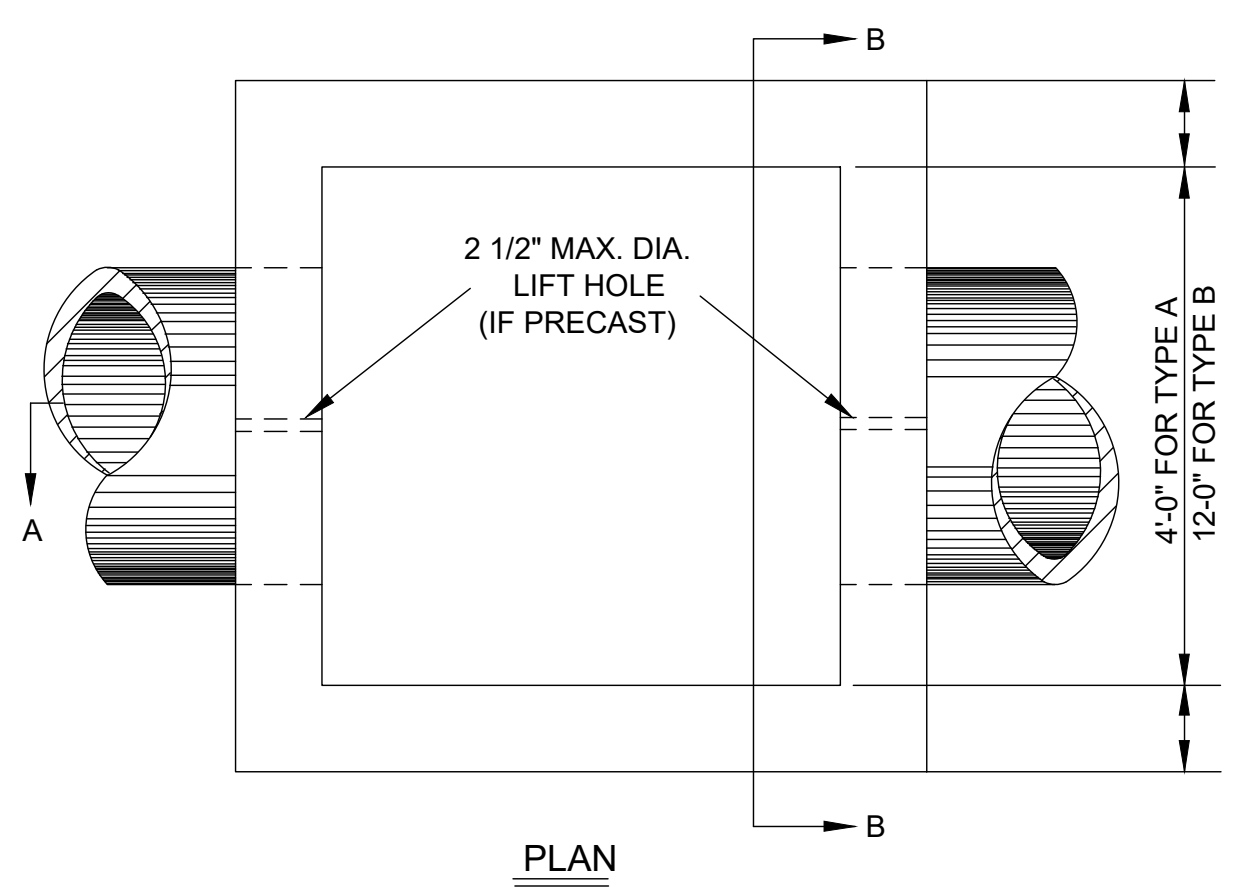
ISSUED FOR BID  
REV. 1: 1/20/2025  
ADDITION OF INVERT  
NOTE

NOT FOR CONSTRUCTION

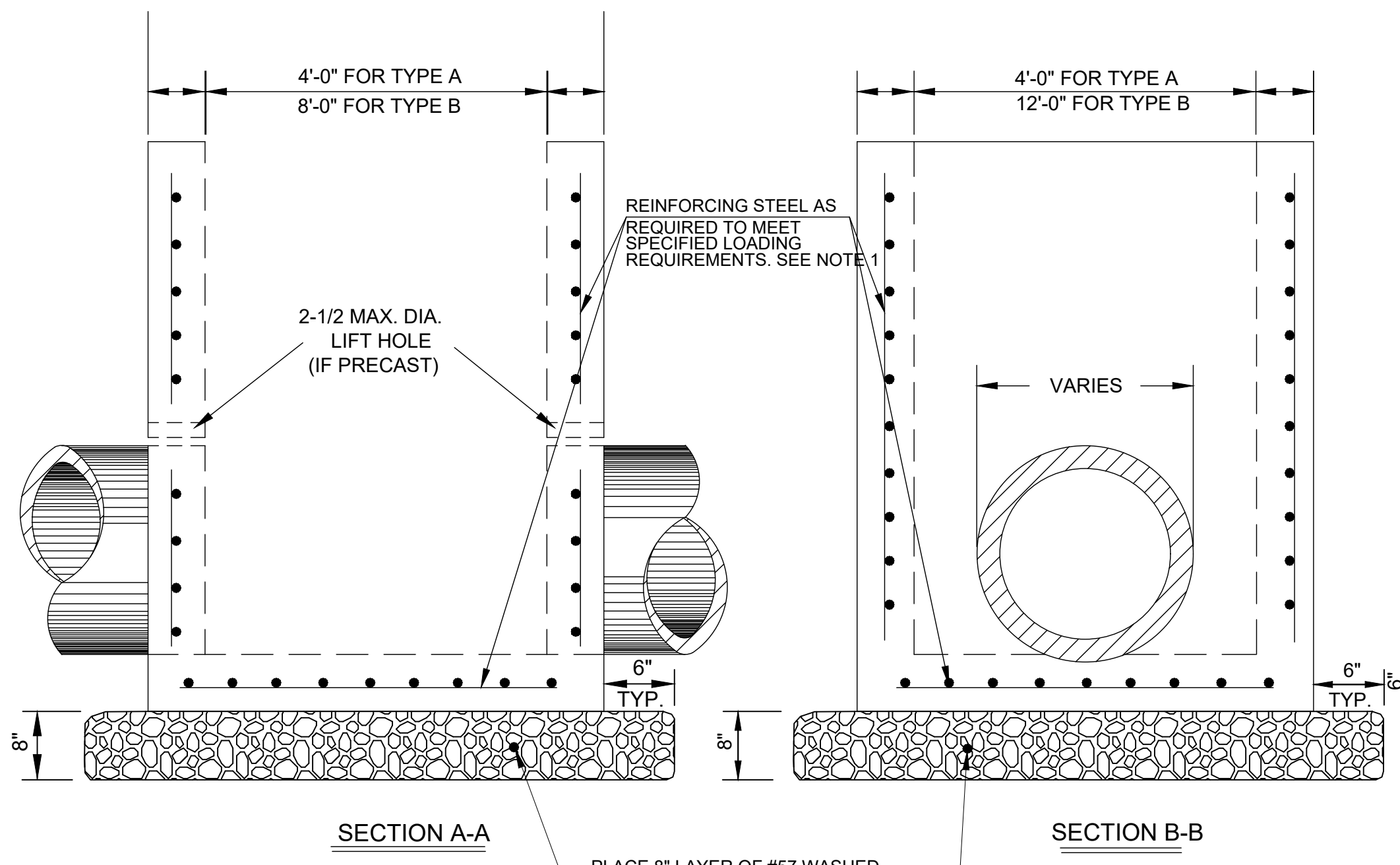
AGS:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: NJH  
DRAWN BY: NJH  
CHECKED BY: EJS  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
STORM DETAILS

SHEET NO.



- NOTES:
- CONTRACTOR SHALL SUBMIT, FOR EACH STRUCTURE, SHOP DRAWINGS, DETAILS, AND CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA. THE STRUCTURE SHALL BE DESIGNATED AS AIRCRAFT RATED AND DESIGNED TO SUPPORT A MINIMUM LOAD OF 100,000 LBS.
  - METAL STEPS SHALL BE USED IF STRUCTURE DEPTH EXCEEDS 4'-6\".

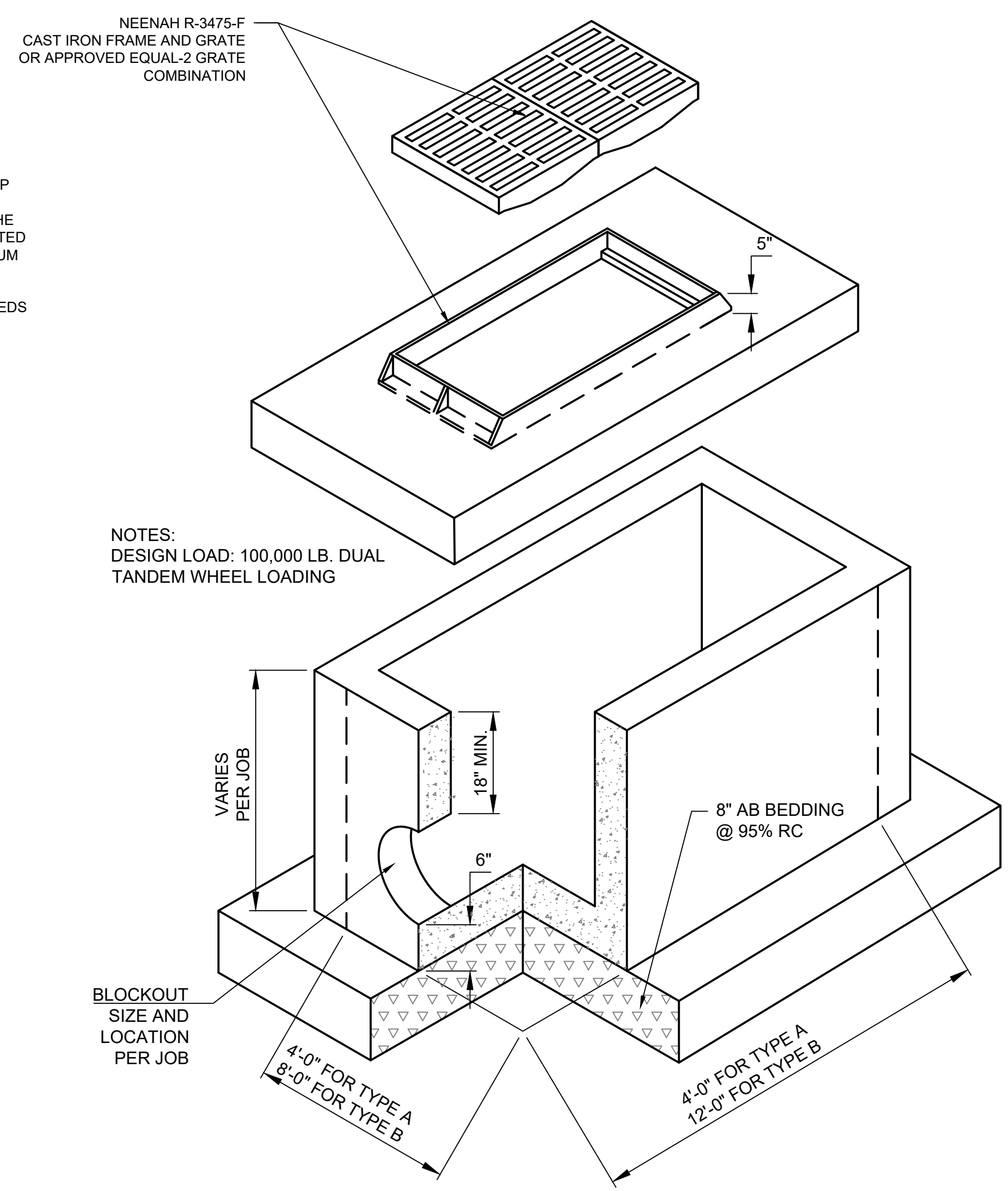


PLACE 8" LAYER OF #57 WASHED STONE AS BEDDING FOR STRUCTURE. COST SHALL BE INCIDENTAL TO COST OF STRUCTURE.  
A MINIMUM OF 4'-0" OF PAVEMENT TO BE PLACED AROUND STRUCTURE AS SHOWN. PAYMENT FOR THIS PAVEMENT WILL BE INCLUDED IN BID PRICE FOR STRUCTURE.

**1 PRECAST CATCH BASIN**  
NO SCALE

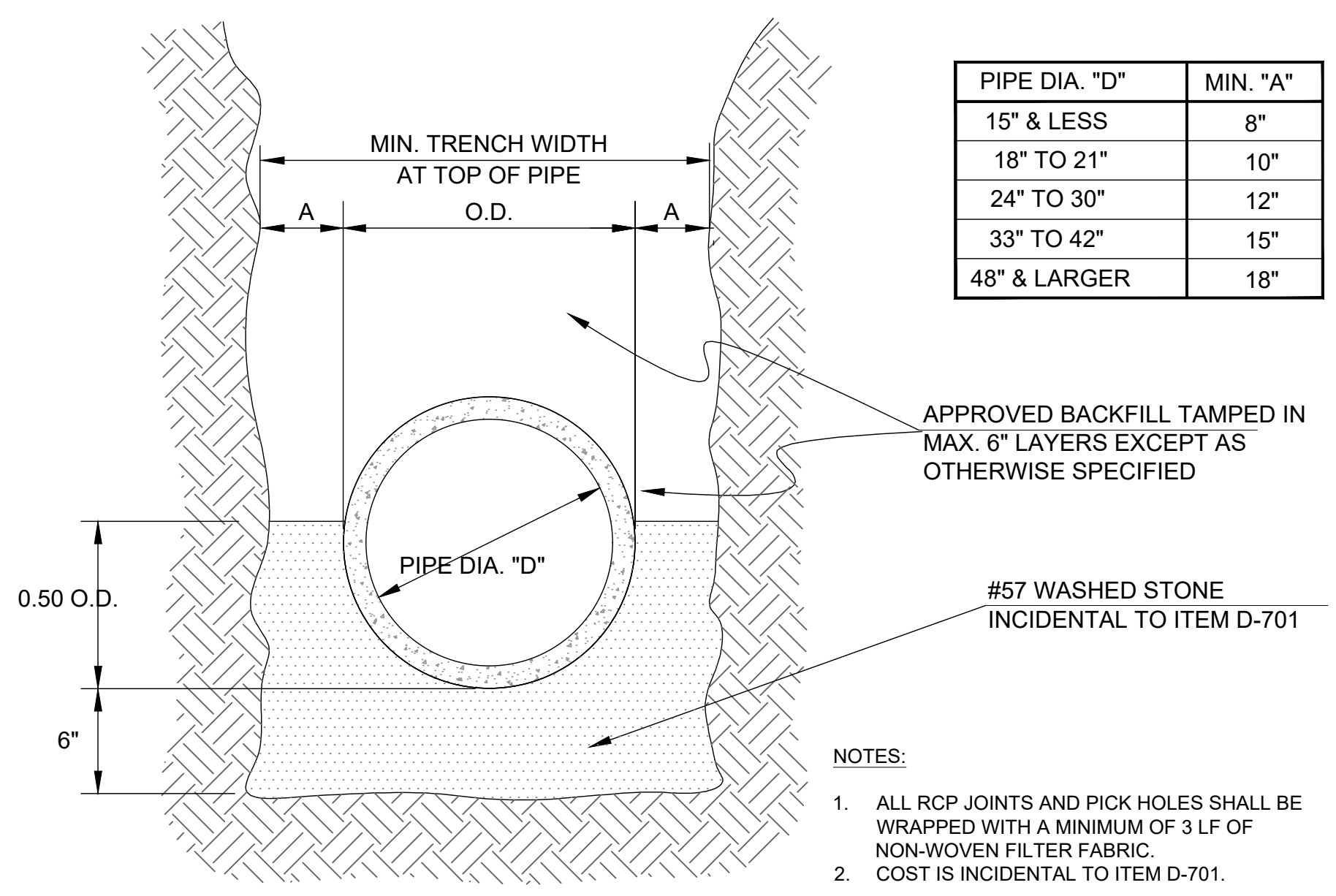
**GENERAL NOTES:**

- ALL PRECAST STRUCTURE SHOP DRAWINGS SHALL BE STAMPED BY A REGISTERED GEORGIA STRUCTURAL ENGINEER AND SUBMITTED TO THE PROJECT ENGINEER FOR APPROVAL. PRECAST MANHOLE RINGS AND CATCH BASIN STRUCTURES SHALL CONFORM TO ASTM C-478 AND BE DESIGNED TO SUPPORT 30,000 POUND WHEEL LOADS AT 250 POUNDS PER SQUARE INCH TIRE PRESSURE. ALLOWABLE SOIL PRESSURE IS 2,000 POUNDS PER SQUARE FEET.
- CATCH BASIN DIMENSIONS ARE TYPICAL. ACTUAL DIMENSIONS SHALL BE SUITABLE TO WITHSTAND THE ANTICIPATED LOADS FOR THE GIVEN CATCH BASIN CONFIGURATIONS AND PIPE PENETRATIONS.
- PIPE PENETRATIONS SHALL BE CORED OR BLOCKED OUT. CONCRETE STORM PIPE CONNECTIONS SHALL BE SEALED WITH NON-SHRINK GROUT. SUBDRAIN CONNECTIONS SHALL BE MADE WITH A FLEXIBLE CONNECTOR.
- PROVIDE ROUND RUBBER GASKET MEETING ASTM C-443 BETWEEN MANHOLE SECTION JOINTS.
- MANHOLE COVER AND CATCH BASIN COVER SHALL CONFORM TO ONE OF THE REQUIREMENTS WITHIN THE SPECIFICATIONS.
  - FRAMES SHALL BE CAST INTO THE CONCRETE OR BOLTED TO THE CONCRETE STRUCTURE.
  - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE SELECTED COVERS FOR ENGINEER APPROVAL.
- PLACE MANHOLES ON 12" OF COMPACTED BEDDING. PLACE CATCH BASINS ON 8" OF COMPACTED BEDDING.
- ALL DRAINAGE STRUCTURES SHALL HAVE POURED CONCRETE INVERTS.



NOTES:  
DESIGN LOAD: 100,000 LB. DUAL TANDEM WHEEL LOADING

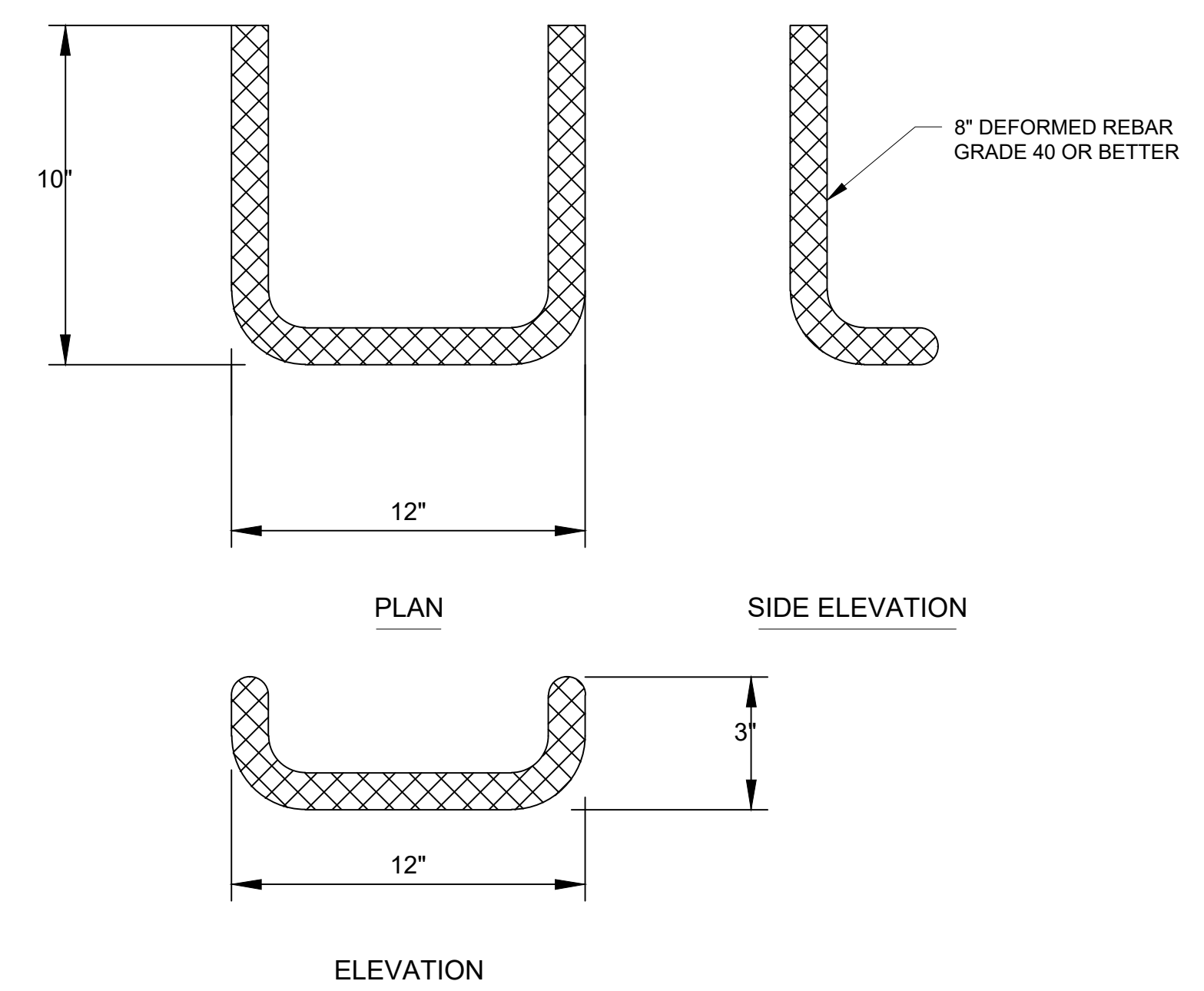
**2 PRECAST CATCH BASIN**  
NO SCALE



PIPE DIA. "D"	MIN. "A"
15" & LESS	8"
18" TO 21"	10"
24" TO 30"	12"
33" TO 42"	15"
48" & LARGER	18"

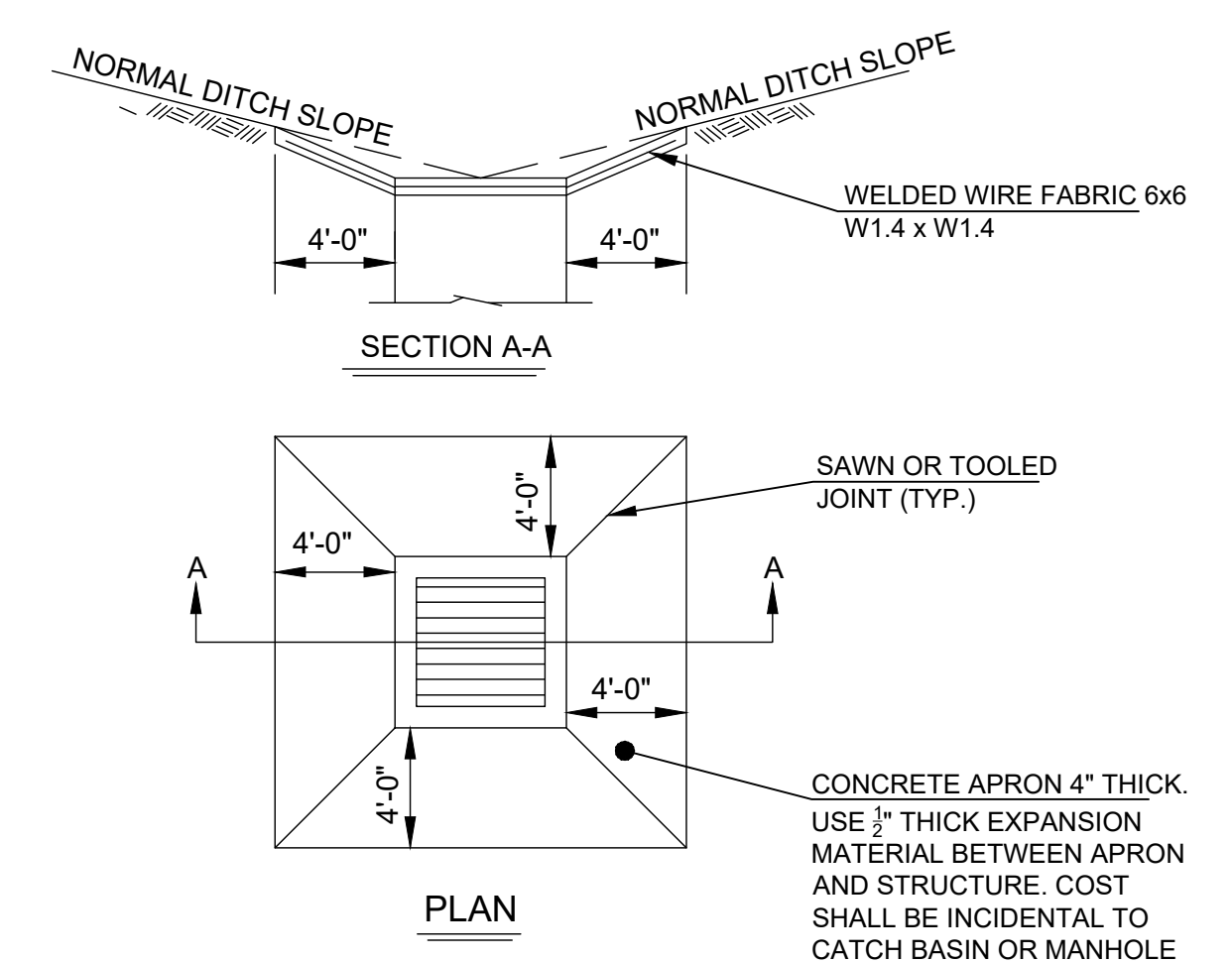
- NOTES:
- ALL RCP JOINTS AND PICK HOLES SHALL BE WRAPPED WITH A MINIMUM OF 3 LF OF NON-WOVEN FILTER FABRIC.
  - COST IS INCIDENTAL TO ITEM D-701.

**4 PIPE BEDDING FOR R.C.P.**  
NO SCALE



**3 METAL STEP DETAIL**  
NO SCALE

- NOTES:
- STEPS DIFFERING IN DIMENSIONS, CONFIGURATION, OR MATERIALS FROM THOSE SHOWN MAY ALSO BE USED PROVIDED THE CONTRACTOR HAS FURNISHED THE ENGINEER WITH DETAILS OF THE PROPOSED STEPS AND HAS RECEIVED WRITTEN APPROVAL FROM THE ENGINEER FOR THE USE OF SUCH STEPS.
  - ALL STEPS SHALL PROTRUDE 7" FROM INSIDE FACE OF STRUCTURE WALL.
  - STEPS SHALL BE PLACED 15" CENTER TO CENTER ON WALL.



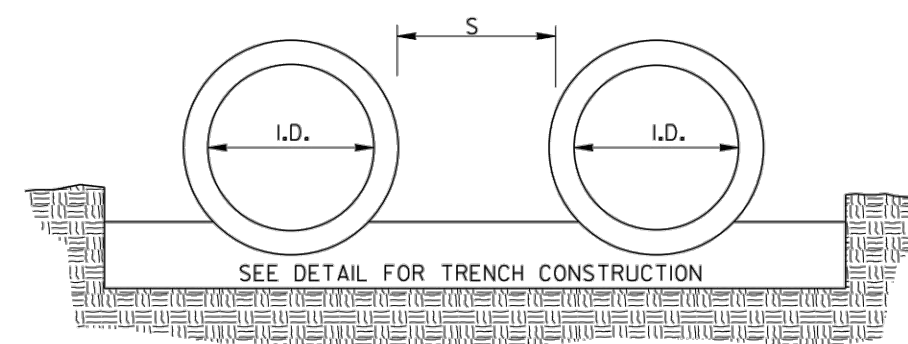
**5 CONCRETE APRON DETAIL**  
NO SCALE

- NOTES:
- CONCRETE APRON SHALL BE INSTALLED ON NEW CATCH BASINS AND MANHOLES.



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	CSSTP-0009-00 (405)	120	186

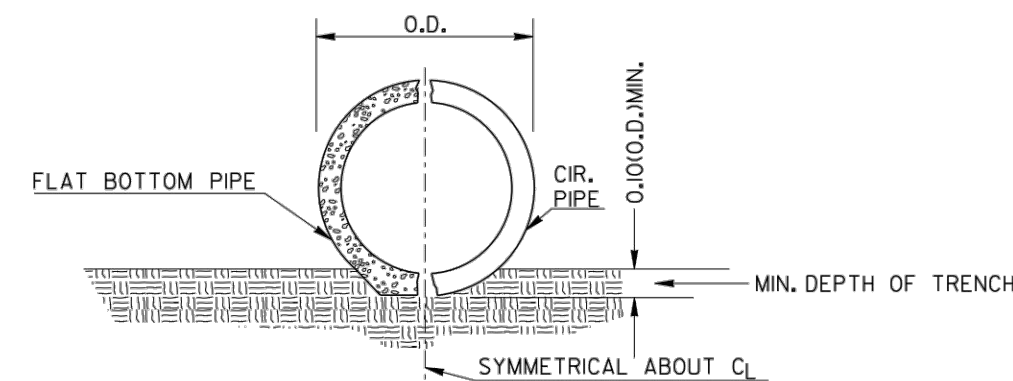
**MULTIPLE PIPE CULVERT SPACING**



S=ONE INSIDE DIAMETER OF PIPE, OR 3 FEET, WHICHEVER IS SMALLER.  
FOR PIPE ARCH CULVERTS, SUBSTITUTE SPAN FOR INSIDE DIAMETER.

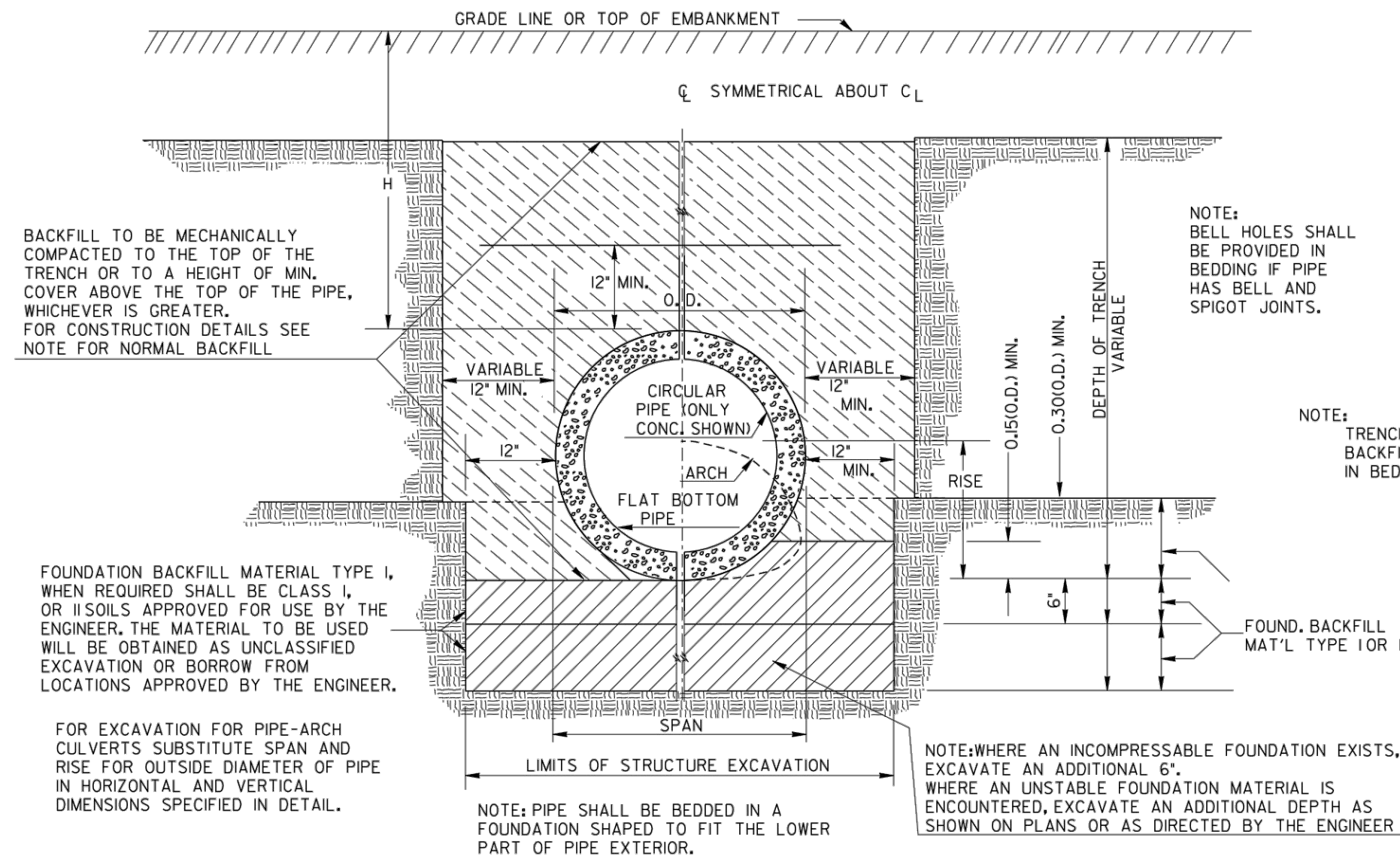
NOTE:  
FOR MULTIPLE LINES OF C.M. PIPE WITH METAL FLARED END SECTIONS, S MAY BE INCREASED ENOUGH TO AVOID OVERLAP OF END SECTION WINGTIPS. LOCATION OF METAL END SECTION SHOULD BE DETERMINED BEFORE PLACEMENT OF PIPE.

**TRENCH CONSTRUCTION FOR SIDE DRAIN**



NOTE: THE PIPE SHALL BE BEDDED TO LINE AND GRADE IN A FIRM FOUNDATION SHAPED TO FIT THE LOWER PART OF THE PIPE EXTERIOR. WHERE ROCK EXISTS, EXCAVATE AND BACKFILL WITH COMPRESSIBLE MATERIAL (UNCLASSIFIED EXCAVATION) A MINIMUM OF 6" BELOW THE PIPE.

**TRENCH CONSTRUCTION FOR STORM DRAIN.**



BACKFILL TO BE MECHANICALLY COMPACTED TO THE TOP OF THE TRENCH OR TO A HEIGHT OF MIN. COVER ABOVE THE TOP OF THE PIPE, WHICHEVER IS GREATER. FOR CONSTRUCTION DETAILS SEE NOTE FOR NORMAL BACKFILL.

NOTE: BELL HOLES SHALL BE PROVIDED IN BEDDING IF PIPE HAS BELL AND SPIGOT JOINTS.

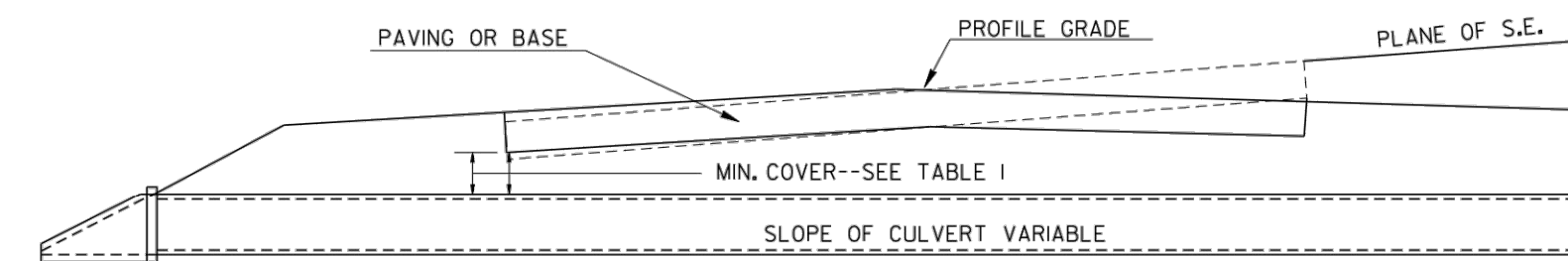
NOTE: TRENCH CONSTRUCTION IS REQUIRED FOR BOTH NORMAL OR IMPERFECT BACKFILL. ALL PIPES WITH BELL & SPIGOT JOINTS SHALL HAVE BELL HOLES IN BEDDING.

FOUNDATION BACKFILL MATERIAL TYPE I, WHEN REQUIRED SHALL BE CLASS I, OR II SOILS APPROVED FOR USE BY THE ENGINEER. THE MATERIAL TO BE USED WILL BE OBTAINED AS UNCLASSIFIED EXCAVATION OR BORROW FROM LOCATIONS APPROVED BY THE ENGINEER.

FOR EXCAVATION FOR PIPE-ARCH CULVERTS SUBSTITUTE SPAN AND RISE FOR OUTSIDE DIAMETER OF PIPE IN HORIZONTAL AND VERTICAL DIMENSIONS SPECIFIED IN DETAIL.

NOTE: PIPE SHALL BE BEDDED IN A FOUNDATION SHAPED TO FIT THE LOWER PART OF PIPE EXTERIOR.  
NOTE: WHERE AN INCOMPRESSIBLE FOUNDATION EXISTS, EXCAVATE AN ADDITIONAL 6".  
WHERE AN UNSTABLE FOUNDATION MATERIAL IS ENCOUNTERED, EXCAVATE AN ADDITIONAL DEPTH AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

**DETAIL SHOWING MINIMUM COVER FOR PIPE CULVERTS**



NOTE:

- FOR FILL HEIGHT TABLES SEE SHEET 2 OF 3 AND SHEET 3 OF 3.
- ONLY ONE CLASS OR THICKNESS OF PIPE WILL BE SPECIFIED FOR EACH INDIVIDUAL LOCATION. THE CLASS OR THICKNESS WILL BE DETERMINED BY THE MAXIMUM HEIGHT OF FILL.
- PIPE IS DESIGNED IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SEVENTH EDITION, 2014

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
STANDARD CONCRETE & METAL PIPE CULVERTS SHEET 1 OF 3 (TRENCH CONSTRUCTION, BEDDING, BACKFILLING)	
NO SCALE	REV. & REDR.: SEPT., 2001
EJO	DES. _____ (SUBMITTED) DRW. _____ TRA. _____ CHK. _____
BY	STATE DESIGN POLICY ENGR. MARGARET B. PUKEL CHIEF ENGINEER
REVISION	NUMBER 1030D



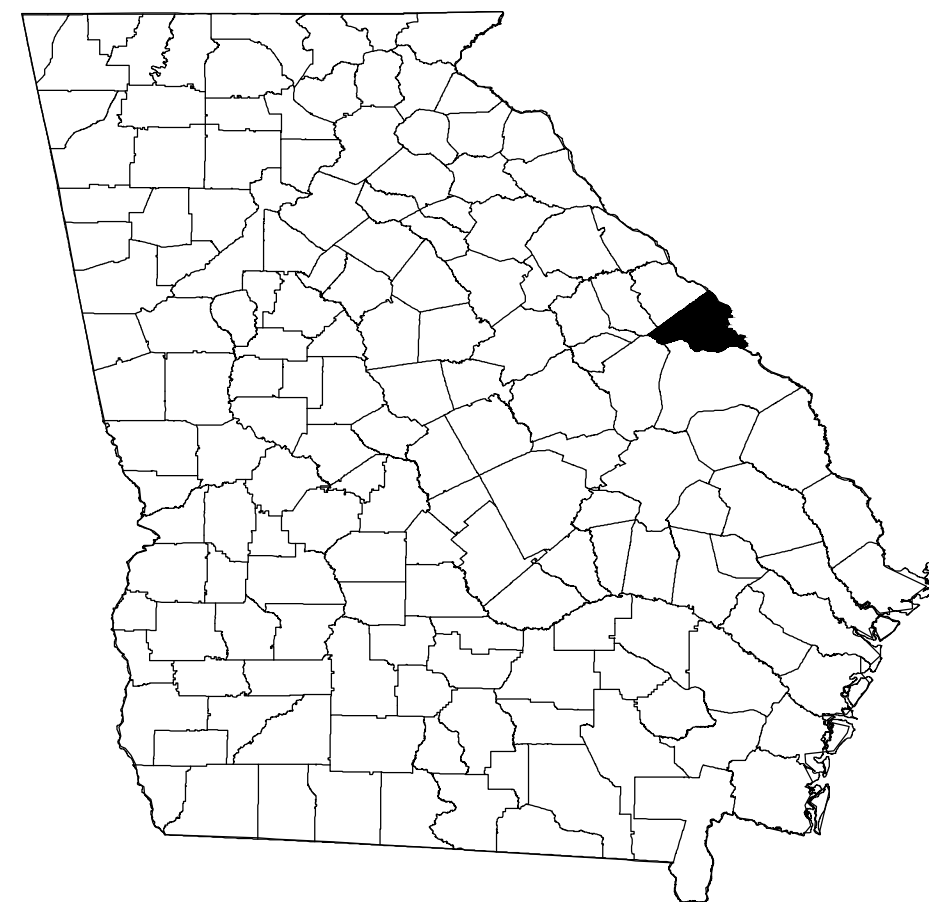
# AUGUSTA REGIONAL AIRPORT

## SOUTHEAST DRAINAGE DITCH ENCLOSURE PH II

1501 AVIATION WAY  
AUGUSTA GA, 30906

PROJECT NUMBER: 0119700-210463.01

OCTOBER 22, 2024  
ISSUED FOR BID



RICHMOND COUNTY

**AUGUSTA - RICHMOND COUNTY PLANNING & DEVELOPMENT NOTES:**

- TYPE OF BUSINESS:** PUBLIC NON-HUB COMMERCIAL SERVICE AIRPORT
- PROJECT DESCRIPTION:** THE PROJECT CONSISTS OF THE CLEARING AND GRUBBING OF THE EXISTING EAST-WEST DITCH IN ITS ENTIRETY, THE DEMOLITION OF THE EXISTING 60" CMP WITHIN THE RUNWAY SAFETY AREA, AND THE CONSTRUCTION OF NEW CONCRETE STORM SEWER PIPE.
- OWNER NAME:** AUGUSTA-RICHMOND COUNTY; MR. HERBERT JUDON, AAE, IAP EXECUTIVE DIRECTOR
  - ADDRESS: 1501 AVIATION WAY, AUGUSTA GA, 30906
  - PHONE #: 706-798-3236
- DEVELOPER NAME:** TBD
  - ADDRESS: TBD
  - PHONE #: TBD
- 24-HOUR CONTACT NAME:** ELIZABETH GILES, SR. CONSTRUCTION PROJECT MANAGER
  - ADDRESS: 1501 AVIATION WAY, AUGUSTA GA, 30906
  - PHONE #: 706-796-4010

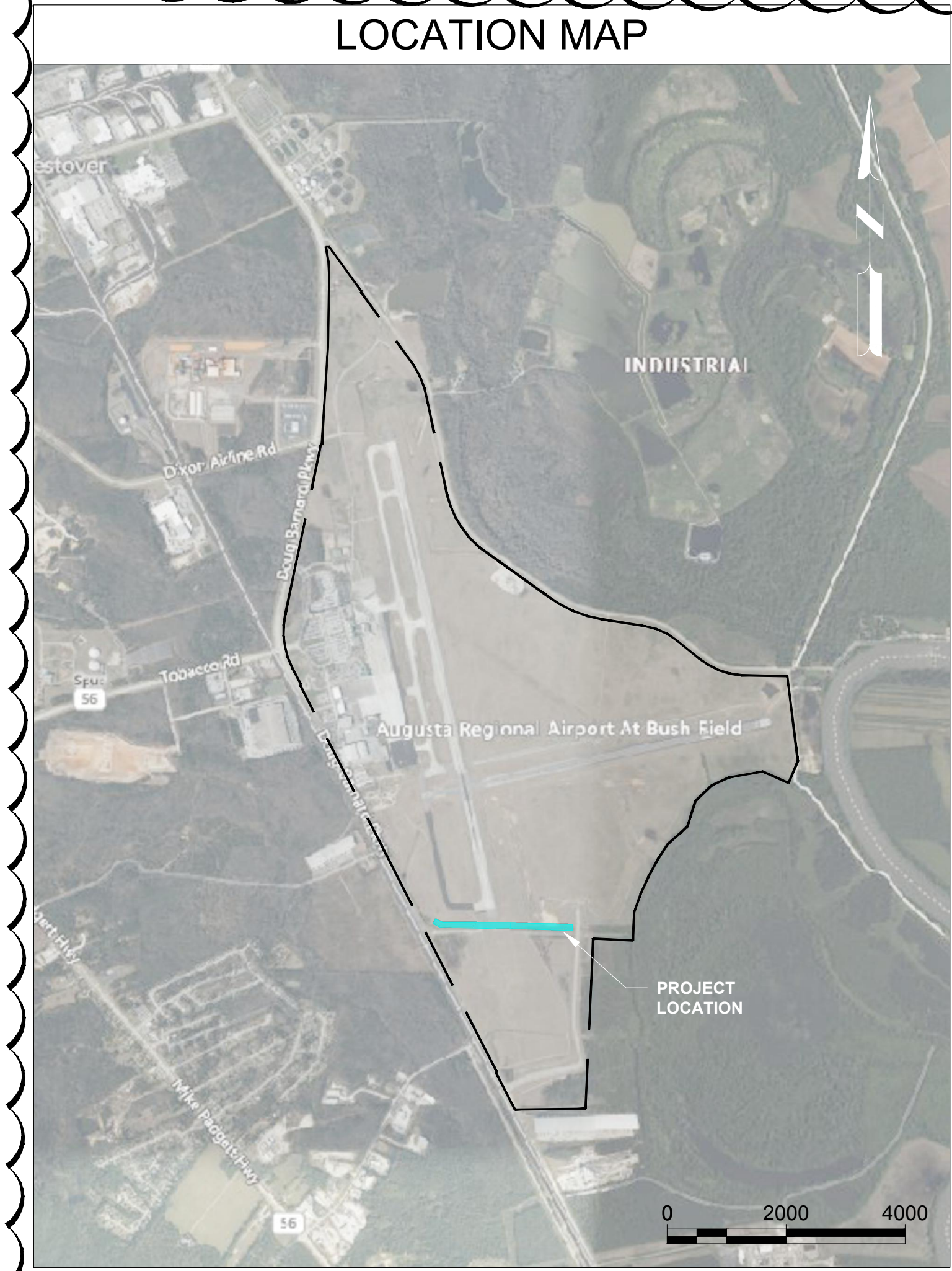
PROJECT DATA TABLE	
TOTAL SITE AREA	7.26
TOTAL DISTURBED AREA	7.26
EXISTING IMPERVIOUS AREA	N/A
PROPOSED IMPERVIOUS AREA	N/A
TAX MAP 14 DIGIT PIN	159-0-002-00-0
CURRENT ZONING	INDUSTRIAL, GEN. BUSINESS
PROPOSED LAND USE	AIRPORT
REQUIRED SETBACKS	N/A



VICINITY MAP

A	B
1	<b>SHEET INDEX</b>
2	<b>SHEET NUMBER</b> <b>SHEET TITLE</b>
3	GENERAL
4	G-001 COVER SHEET
5	G-002 LEGEND & ABBREVIATIONS
6	G-021 PROJECT LAYOUT PLAN
7	G-031 EXISTING CONDITIONS
8	G-041 SURVEY CONTROL PLAN
9	G-061 PROJECT QUANTITY TABLE
10	G-071 CONSTRUCTION SAFETY & PHASING PLAN NOTES
11	G-072 CONSTRUCTION SAFETY & PHASING PLAN NOTES
12	G-081 CONSTRUCTION SAFETY & PHASING PLAN OVERALL
13	G-082 CONSTRUCTION SAFETY & PHASING PLAN MATRIX
14	G-083 CONSTRUCTION SAFETY & PHASING PLAN - WA 1
15	G-084 CONSTRUCTION SAFETY & PHASING PLAN - WA 2
16	G-085 CONSTRUCTION SAFETY & PHASING PLAN - WA 3
17	CIVIL
18	C-021 ESPC PLAN - CHECKLIST
19	C-022 ESPC PLAN - NOTES
20	C-023 ESPC PLAN - NOTES
21	C-024 ESPC PLAN - NOTES
22	C-025 ESPC PLAN - NOTES
23	C-026 ESPC PLAN - OVERALL LAYOUT
24	C-027 ESPC PLAN - INITIAL PHASE
25	C-028 ESPC PLAN - INITIAL PHASE
26	C-029 ESPC PLAN - INITIAL PHASE
27	C-030 ESPC PLAN - GRADING PHASE
28	C-031 ESPC PLAN - GRADING PHASE
29	C-032 ESPC PLAN - GRADING PHASE
30	C-033 ESPC PLAN - FINAL PHASE
31	C-034 ESPC PLAN - FINAL PHASE
32	C-035 ESPC PLAN - FINAL PHASE
33	C-036 ESPC PLAN - DETAILS
34	C-037 ESPC PLAN - DETAILS
35	C-038 ESPC PLAN - DETAILS
36	C-039 ESPC PLAN - DETAILS
37	C-040 ESPC PLAN - PRE-DEVELOPMENT DRAINAGE AREA MAP
38	C-041 ESPC PLAN - POST-DEVELOPMENT DRAINAGE AREA MAP

A	B
1	<b>SHEET INDEX</b>
2	<b>SHEET NUMBER</b> <b>SHEET TITLE</b>
39	C-052 DEMOLITION PLAN STA 17+50 TO 26+00
40	C-051 DEMOLITION PLAN STA 10+00 TO 17+50
41	C-053 DEMOLITION PLAN STA 26+00 TO 34+50
42	C-101 GRADING & DRAINAGE PLAN STA 10+00 TO 17+50
43	C-102 GRADING & DRAINAGE PLAN STA 17+50 TO 26+00
44	C-103 GRADING & DRAINAGE PLAN STA 26+00 TO 34+50 - BASE BID
45	C-104 GRADING & DRAINAGE PLAN - BASE BID TIE-IN
46	C-105 GRADING & DRAINAGE PLAN STA 26+00 TO 34+50 - BID ALT
47	C-106 GRADING & DRAINAGE PLAN INLET HEADWALL
48	C-107 GRADING & DRAINAGE PLAN OUTLET HEADWALL
49	C-441 STORM PLAN & PROFILE STA 09+00 TO 21+75
50	C-442 STORM PLAN & PROFILE STA 21+75 TO 33+50
51	C-443 STORM PLAN & PROFILE - CONNECTIONS 1 & 2
52	C-444 STORM PLAN & PROFILE - CONNECTION 3
53	C-451 STORM DETAILS
54	C-452 STORM DETAILS
55	C-453 STORM DETAILS
56	C-454 STORM DETAILS - HW-1 & HW-2
57	C-455 STORM DETAILS
58	C-901 CROSS SECTIONS 9+75 TO 11+00
59	C-902 CROSS SECTIONS 11+00 TO 12+50
60	C-903 CROSS SECTIONS 12+75 TO 14+00
61	C-904 CROSS SECTIONS 14+25 TO 15+50
62	C-905 CROSS SECTIONS 15+75 TO 17+00
63	C-906 CROSS SECTIONS 17+25 TO 18+50
64	C-907 CROSS SECTIONS 18+75 TO 20+00
65	C-908 CROSS SECTIONS 20+25 TO 21+50
66	C-909 CROSS SECTIONS 21+75 TO 23+00
67	C-910 CROSS SECTIONS 23+25 TO 24+50
68	C-911 CROSS SECTIONS 24+75 TO 26+00
69	C-912 CROSS SECTIONS 26+25 TO 27+50
70	C-913 CROSS SECTIONS 27+75 TO 29+00
71	C-914 CROSS SECTIONS 29+25 TO 30+50
72	C-915 CROSS SECTIONS 30+75 TO 32+00
73	C-916 CROSS SECTIONS 32+25 TO 33+50



LOCATION MAP

**Mead & Hunt**  
Mead and Hunt, Inc.  
5955 Core Road, Suite 515  
North Charleston, SC 29406  
phone: 843-486-8330  
meadhunt.com



© Copyright 2022 Mead & Hunt, Inc. This document, or any portion thereof, shall not be duplicated, disclosed, or used on any other project or extension of this project except by written agreement with Mead & Hunt, Inc. Mead & Hunt shall not be responsible for any unauthorized use of, or alteration to these documents.

AUGUSTA REGIONAL AIRPORT  
SOUTHEAST DRAINAGE DITCH  
ENCLOSURE PH II  
1501 AVIATION WAY  
AUGUSTA GA, 30906

ISSUED FOR BID  
REV. 1: SHEET INDEX, ADDITIONAL NOTES, PROJECT DATA TABLE

NOT FOR CONSTRUCTION

AGS:  
M&H NO.: 0119700-210463.01  
DATE: OCTOBER 22, 2024  
DESIGNED BY: NJH  
DRAWN BY: NJH  
CHECKED BY: EJS  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
COVER SHEET

SHEET NO.

G-001



X:\0119700\01\0463.01\TECH\DRAWINGS\G-001 COVER SHEET.DWG  
3/5/2025 3:47:42 PM

NOTE:  
ALL MATERIALS USED SHALL BE IN ACCORDANCE WITH GEORGIA DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS CONSTRUCTION OF TRANSPORTATION SYSTEMS, 2020 EDITION OR BY SPECIAL PROVISION, EXCEPT FOR ELECTRICAL ITEMS OF WORK WHICH SHALL BE IN ACCORDANCE WITH APPLICABLE FAA SPECIFICATIONS



1

SUMMARY OF QUANTITIES			
SPEC.	ITEM	UNIT	QUANTITY
<b>AGS SOUTHEAST DITCH PH II (BASE BID)</b>			
C-100.1	Contractor Quality Control Program	LS	1
C-102.1a	Installation, Maintenance, and Removal of Silt Fence	LF	1650
C-102.1b	Construct, Maintain, and Remove Inlet Sediment Trap	EA	2
C-102.1c	Construct, Maintain, and Remove Construction Exit	EA	2
C-102.1e	Construct, Maintain, and Remove Rock Dam	EA	1
C-102.1f	Water Quality Monitoring and Sampling	EA	8
C-102.1g	Water Quality Inspections	EA	3
C-102.1h	Erosion Control Mobilization	LS	1
C-102.1i	Emergency Erosion Control Mobilization	LS	1
C-102.1j	Rip Rap, Type III 18" Depth	SY	80
C-105.1	Mobilization, Cleanup, and Demobilization	LS	1
C-105.2	Airfield Safety and Traffic Control	LS	1
P-101.1	Remove Existing 48-72" Storm Sewer Pipe	LF	570
P-101.2	Remove Existing Concrete Headwall	EA	2
P-151.1	Tree Clearing and Grubbing	AC	2
P-152.1	Unclassified Excavation, Select Fill from Off-Site Material	CY	1810
P-152.2	Borrow Excavation, Select Fill from On-Site Material	CY	7250
P-152.3	Unsuitable/Over excavation	CY	1000
D-701.1	Concrete Sewer Pipe, 30-inch, Class V	LF	160
D-701.2	Concrete Sewer Pipe, 72-inch, Class V	LF	700
D-701.3	Concrete Sewer Pipe, 84-inch, Class V	LF	940
D-751.1	Airfield Inlet with Aircraft Rated Gate	EA	2
D-751.2	Airfield Manhole with Aircraft Rated Lid	EA	2
D-751.3	Connect New Storm Sewer Pipe to Existing Storm Pipe	EA	2
D-752.1	Concrete Storm Headwall	EA	2
T-901.1	Temporary Seeding	AC	5
T-901.2	Permanent Seeding	AC	5
T-901.3	Seeding, Staging Area	AC	1
T-904.1	Sodding	SY	165
T-905.1	Topsoiling (Obtain on Site or Removed from Stockpile)	CY	6900
T-905.2	Topsoiling, Staging Area	CY	2762
T-908.1	Mulching	AC	5

SUMMARY OF QUANTITIES			
SPEC.	ITEM	UNIT	QUANTITY
<b>AGS SOUTHEAST DITCH PH II (BID ALTERNATE 1)</b>			
C-100.1	Contractor Quality Control Program	LS	1
C-102.1a	Installation, Maintenance, and Removal of Silt Fence	LF	720
C-102.1b	Construct, Maintain, and Remove Inlet Sediment Trap	EA	1
C-102.1c	Construct, Maintain, and Remove Construction Exit	EA	1
C-102.1d	Construct, Maintain, and Remove Check Dam	EA	2
C-102.1e	Construct, Maintain, and Remove Rock Dam	EA	2
C-102.1f	Water Quality Monitoring and Sampling	EA	6
C-102.1g	Water Quality Inspections	EA	2
C-102.1h	Erosion Control Mobilization	LS	1
C-102.1i	Emergency Erosion Control Mobilization	LS	1
C-102.1j	Rip Rap, Type III 18" Depth	SY	930
C-102.1k	Erosion Control Blanket/Matting	SY	300
C-105.1	Mobilization, Cleanup, and Demobilization	LS	1
C-105.2	Airfield Safety and Traffic Control	LS	1
P-101.1	Remove Existing 48-72" Storm Sewer Pipe	LF	75
P-101.2	Remove Existing Concrete Headwall	EA	1
P-152.1	Unclassified Excavation, Select Fill from Off-Site Material	CY	2430
P-152.2	Borrow Excavation, Select Fill from On-Site Material	CY	9720
P-152.3	Unsuitable/Over excavation	CY	1000
D-701.2	Concrete Sewer Pipe, 72-inch, Class V	LF	200
D-701.3	Concrete Sewer Pipe, 84-inch, Class V	LF	700
D-751.2	Airfield Manhole with Aircraft Rated Lid	EA	1
D-751.4	Connect Storm Sewer Pipe to Existing Storm Structure	EA	1
D-752.1	Concrete Storm Headwall	EA	1
T-901.1	Temporary Seeding	AC	4
T-901.2	Permanent Seeding	AC	4
T-901.3	Seeding, Staging Area	AC	1
T-904.1	Sodding	SY	80
T-905.1	Topsoiling (Obtain on Site or Removed from Stockpile)	CY	6900
T-905.2	Topsoiling, Staging Area	CY	2762
T-908.1	Mulching	AC	4

**AUGUSTA REGIONAL AIRPORT  
SOUTHEAST DRAINAGE DITCH  
ENCLOSURE PH II  
1501 AVIATION WAY  
AUGUSTA GA, 30906**

ISSUED  
ISSUED FOR BID  
REV. 1: QUANTITY  
UPDATES

NOT FOR CONSTRUCTION

AIG:  
 M&H NO.: 0119700-210463.01  
 DATE: OCTOBER 22, 2024  
 DESIGNED BY: NJH  
 DRAWN BY: NJH  
 CHECKED BY: EJS  
 DO NOT SCALE DRAWINGS

SHEET CONTENTS  
 PROJECT QUANTITY  
 TABLE

SHEET NO.

**G-061**

NOTE: SUMMARY OF QUANTITIES TABLE IS DESIGNED TO BE USED AS A REFERENCE IN THE FIELD. VALUES OUTLINED IN THE BID FORM TAKE SUPERIORITY OVER ANY VALUES SHOWN IN THE QUANTITY TABLE.