

ADDENDUM NO. 2

For

Middle Georgia Regional Airport (MCN)



Middle Georgia Regional Airport
1000 Terminal Drive
Macon, GA 31297

PA PN 20202946.0003

Prepared By:



Passero Associates, LLC
4730 Casa Cola Way, Suite 200
St. Augustine, FL 32095

Issued: June 23, 2023

ADDENDUM NO. 2

June 23, 2023

The following items are clarifications, corrections, or additions to the contract documents. **THIS ADDENDUM TAKES PRECEDENCE OVER THE ORIGINAL PARTS OF THE CONTRACT DOCUMENTS.**

All the parts of the contract documents, not specifically modified by this or other addenda, remain in full force and effect.

Bidders shall thoroughly familiarize themselves with the contents of this Addendum before submitting bid proposals. **IT SHALL BE THE BIDDER'S RESPONSIBILITY TO INFORM THE SUBCONTRACTORS, SUPPLIERS, MANUFACTURERS AND OTHER PARTIES PARTICIPATING IN THE WORK OF APPLICABLE REQUIREMENTS IN THIS ADDENDUM.**

Bidders shall acknowledge receipt of this addendum, identified by number and date, on the Addenda Receipt form included in the Proposal Section of the Contract Documents and submitted as part of their Proposal. Failure to acknowledge receipt of Addendum may be grounds for rejection of the bid proposal.

GENERAL CLARIFICATIONS:

1. The cost of foundation materials needed for storm drainage pipe shall be included in the bid item for the size and type of pipe for which the foundation material is installed.

CONTRACT DOCUMENTS:

1. Revised Bid Form is attached.

TECHNICAL SPECIFICATIONS:

NO CHANGES

CONTRACT DRAWINGS:

REPLACE attached sheets with the corresponding revised, attached sheets.

INSERT Sheets C126A and C126B into the Plans.

ATTACHMENTS:

1. Revised Sheets: G101-G102, PH102-PH106, C118, C121-C122, C128-C130, C132-C135, C137-C141, C156, PH201, C213-C215, PH301, and C304.
2. Revised Bid Form
3. Excavation Slope Drawing

QUESTIONS FROM BIDDERS & RESPONSES:

Questions in black font, Responses in blue font.

1. What is the depth and width of Foundation Backfill Material that will be required under the box culvert?

The foundation material under the box culvert shall be one foot (1') thick and extend out one foot on each outer side of the box culvert. The foundation material cost shall be included in Bid Item D-701-5.1. A detail has been added on Sheet C121.

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2. Drainage details call for 1” diameter Rip Rap to extend 18 LF from outlet baffles of box culvert with cost to be included in wingwall price. Please confirm if this is true and clarify what is 1” diameter rip rap.

That number was a typographical error. The detail should read 1’ (one foot) median size rip rap. The cost should be included in Bid Item D-752-5.4. A correction has been made on Sheet C121.

3. Is GDOT Standard 2406 – Concrete Box Culvert Aprons to be used for this project.

Yes. The cost of the aprons will be incidental to Bid Items D-752-5.3 and D-752-5.4. The details have been added as Sheets C126A and C126B.

4. Are there any specifications for the type of live cuttings to use for the streambank restoration? Is there a preferred species of plant to use? How far up the bank should the plantings be placed?

The only required vegetation for the streambank restoration will be grass seeding. No other plants are required. All disturbed areas should be seeded and mulched.

5. What type and thickness of aggregate is to be used for the toe protection for the streambank restoration? How far up the bank should the toe protection be placed?

Use 1’ (one foot) median size rip rap, 24” in depth. Extend riprap 10’ for toe protection. See revised detail on Sheet C156.

6. What type of geotextile fabric is to be used for the streambank restoration?

See Note 2 of Streambank Stabilization detail on Sheet C156.

7. Now that the runway will be closed for the duration of the project, will it be possible to forego the stockpiling of material from the remainder of the work to excavate Temporary Skimmer Basin 1, and place it directly to fill?

Yes, provided the Contractor uses intermediate erosion control measures to prevent the escape of sediment from the site.

8. With the decision to keep the runway closed, will we be able to work on Phase II and Phase III scope items anytime during the project, even during phase I?

Yes, provided the Contractor uses intermediate erosion control measures to prevent the escape of sediment from the site.

9. Will we need to by-pass pump to make the tie-ins for the new sanitary sewer? If so, what is the current flow rate of the existing sanitary sewer?

It is the Contractor’s responsibility to determine the best means and methods to complete the project. Based upon data received from the utility owner, the approximate flow rate is in the neighborhood of 3,000 gpm. We have no comment on whether to bypass pump or lay the new sanitary line first.

10. The bid form indicates 45,000 SY of Geogrid for the project, assumed to be “Tensar BX 1100 or approved Equal” per the grading note #4 on the Grading, Drainage and Erosion Control sheet. There is no detail for this material. Will any type of stone be required to be installed with the geogrid? If so, what type and thickness would be required?

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The intent of the design was to install a geogrid that does not require stone.

11. Item P-209-5.2 Crushed Aggregate Base Course (10-Inch Depth) in alternate 2 is measured in cubic yards (CY). However, considering that the item describes the thickness, should it be measured in square yards (SY) instead?

See attached, revised Bid Form.

12. Schedule of Items Shows 5 units of “24” Flared End Section”, however in the drainage profiles we could just identify FES-3, FES-4, FES-5 and FES-8. There are 2 more FES of 24” allocated at one of the construction exits, please clarify the number of FES of 24”.

FES 1, 1A, 3, 4 and 5 are covered in the pay item. FES 8 is covered with the sediment basin pay item (see notes on C154). Five is the correct number.

13. Where is the Excavation Slope Drawing referenced on Answer 30.c. of Addendum 1?

Attached.

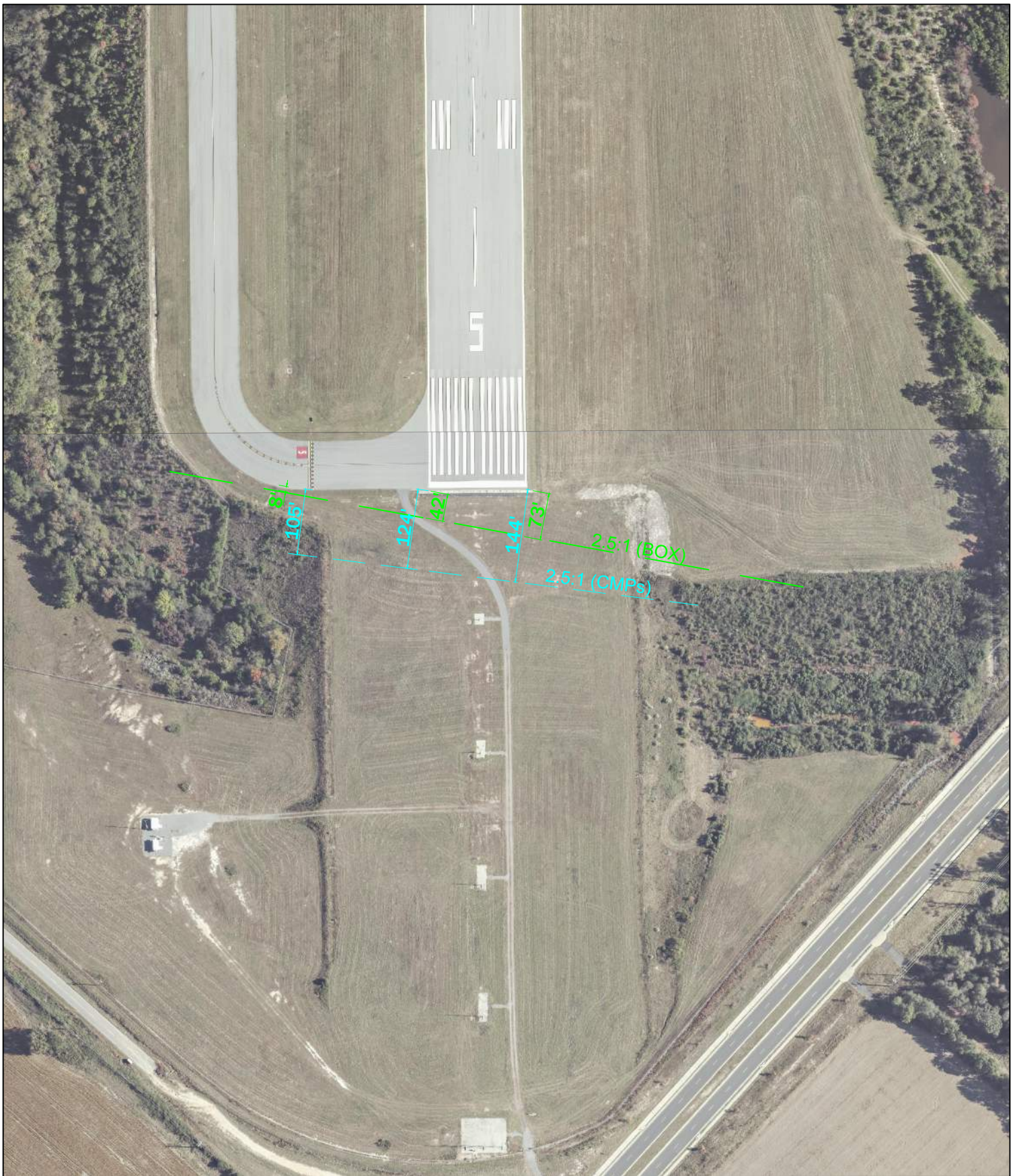
14. Where is the designated location for conducting the test section? Will it be done on the airport property or at a different site?

There is no designated area for conducting the test section. Typically, the test section is performed in the work area so that, if it passes, it is incorporated into the final product.

15. Is Power Line relocation expected to be completed during phase 1 or phase 2?

The Contractor shall coordinate with the utility owner for this work. Now that the runway will be closed for the duration of the project, the work can occur whenever it best fits into the Contractor’s schedule.

End of Addendum No. 2



Middle Georgia Regional Airport
 1000 Terminal Drive Suite 100
 Macon, Georgia 31216
 (478) 219-1138
www.iflymacon.com

Project: **RUNWAY 5-23 EXTENSION
 ADDENDUM 1**

Drawing: **EXCAVATION SLOPES**

Owner: MACON-BIBB COUNTY
 700 POPLAR STREET
 MACON, GEORGIA 31201
 (478) 751-7400

Project No.:
 20202946.0003

Drawing No.:

Scale:
 N.T.S.

Date:
 June 2023

BASE BID - GRADING, DRAINAGE AND RETAINING WALL					
ITEM NUMBER	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
C-100-14.1	Contractor Quality Control Program (CQCP)	1	LS		
C-102-5.1	Temporary Construction Exit	2	EA		
C-102-5.2	Temporary Stone Filter Ring	14	EA		
C-102-5.3	Ditch Crossing	2	EA		
C-102-5.4	Erosion Control Blanket	29,500	SY		
C-102-5.5	Compost Filter Sock	8,500	LF		
C-102-5.6	Compost Filter Sock Check Dam	90	EA		
C-102-5.7	Temporary Inlet Protection	32	EA		
C-102-5.8	Temporary Seeding (Mulched)	100	AC		
C-102-5.9	Temporary Skimmer Basin 1, Complete	1	LS		
C-102-5.10	Temporary Skimmer Basin 2, Complete	1	LS		
C-102-5.11	Riprap Outlet Protection	130	SY		
C-102-5.12	Proposed Concrete Flume	310	SY		
C-102-5.13	Tree Protection	4	EA		
C-102-5.14	Streambank Stabilization	500	LF		
C-102-5.15	Temporary Downdrain Structure, Complete	2,500	LF		
C-102-5.16	Temporary Stream Diversion Channel, Complete	2	EA		
C-102-5.17	Temporary Stream Crossing, Complete	2	EA		
C-103-8.1	Project Survey, Stakeout, and Record Drawing	1	LS		
C-105-6.1	Mobilization	1	LS		
C-107-4.1	Maintenance of Traffic and Airfield Safety	1	LS		
C-109-3.1	Engineer's Field Office - Fixed	12	MTH	\$ 900.00	\$ 10,800.00
D-701-5.1	10'x 10' Precast Box Culvert	2,000	LF		
D-701-5.2	15" RCP (Class III)	450	LF		
D-701-5.3	24" RCP (Class III)	1,450	LF		

D-701-5.4	24" RCP (Class V)	88	LF		
D-701-5.5	36" RCP (Class III)	1,050	LF		
D-701-5.6	36" RCP (Class V)	412	LF		
D-701-5.7	Connect New Storm Pipe to Existing Structure	1	EA		
D-751-5.1	2' x 2' Drop Inlet	4	EA		
D-751-5.2	3' x 3' Drop Inlet	2	EA		
D-751-5.3	4' x 4' Drop Inlet	8	EA		
D-751-5.4	5' x 5' Drop Inlet	15	EA		
D-752-5.1	24" Flared End Section	5	EA		
D-752-5.2	36" Flared End Section	3	EA		
D-752-5.3	Box Culvert Headwall	1	EA		
D-752-5.4	Box Culvert Headwall with Concrete Baffles	1	EA		
D-752-5.5	36" Headwall	1	EA		
F-162-5.1	8' Chain Link Fence	3,700	LF		
F-162-5.2	Temporary Fence	5,250	LF		
F-162-5.3	New 24-Foot-Wide Double Swing Gate	2	EA		
L-105-2	Demolish MALSR Light Bar – Tower Mounted on Steel Frame	1	EA		
L-105-3	Demolish MALSR Light Bar – Tower Mounted	5	EA		
L-105-4	Existing MALSR Demolition	1	LS		
L-105-5	Existing MALSR Shelter Removal	1	LS		
L-108-3	No. 1/0 AWG, BSDC Guard Wire, Installed in Trench or with Duct Bank or Conduit, Including Ground Rods and Ground Connectors	1,800	LF		
L-108-6	No. 2/0 AWG, XHHW	5,500	LF		
L-110-4	1W-6" PVC Duct Concrete Encased	1,700	LF		
L-110-7	3/4 IN. X 10 FT Copper Clad Ground Rods - Supplemental	30	EA		
L-115-1	FAA Handhole - Aircraft Rated	3	EA		

L-125-1	Concrete Bollard	8	EA		
L-125-19	MALSR Equipment Rack	1	LS		
L-125-24	Utility Requirements / Coordination with Georgia Power	1	LS		
P-101-5.1	Remove Existing Bituminous Pavement and Stone (Road)	5,950	SY		
P-101-5.2	Remove Existing Bituminous Pavement and Stone (Airfield)	270	SY		
P-101-5.3	Asphalt Trench Restoration	270	SY		
P-151-4.1	Clearing and Grubbing	8	AC		
P-151-4.2	Remove Existing Fence	4,300	LF		
P-151-4.3	Remove Existing Gate	3	EA		
P-151-4.4	Remove Gravel Road	3,700	SY		
P-151-4.5	Remove Existing Sidewalk and Curb	75	SY		
P-151-4.7	Remove Existing Drainage Manhole	1	EA		
P-151-4.8	Remove Existing Drop Inlet	1	EA		
P-151-4.9	Remove Existing 15" Flared End Section	2	EA		
P-151-4.10	Remove Existing 18" Flared End Section	5	EA		
P-151-4.11	Remove Existing 18" Headwall	5	EA		
P-151-4.12	Remove Existing 24" Headwall	3	EA		
P-151-4.13	Remove Existing Headwall for (3) 10' Diameter CMP	2	EA		
P-151-4.14	Remove Existing 15" CPP	1	LS		
P-151-4.15	Remove Existing 18" CPP	1	LS		
P-151-4.16	Remove Existing 24" RCP	1	LS		
P-151-4.17	Remove Existing (3) 10' CMP	1	LS		
P-151-4.18	Remove Existing Sewer Manhole	4	EA		
P-151-4.19	Remove Existing 36" RCP Sanitary Sewer	1,470	LF		
P-151-4.20	Remove Existing 12" Ductile Iron Waterline and Fittings	2,850	LF		

P-151-4.21	Remove Existing Fire Hydrant	4	EA		
P-152-4.2	Embankment In Place (Onsite Borrow), Placed and Compacted, Complete	625,000	CY		
P-152-4.3	Unsuitable Excavation	22,500	CY		
P-152-4.4	Geogrid	45,000	SY		
T-901-5.1	Permanent Seeding	80	AC		
T-905-5.1	Topsoiling (On-Site Stripping and Final Placement)	60,000	CY		
T-908-5.1	Mulching	80	AC		
MWA-101-5.1	36" PVC SDR 26 Sanitary Sewer	2,048	LF		
MWA-101-5.2	60" Sanitary Manholes	5	EA		
MWA-101-5.3	Connect New Sanitary Sewer Pipe to Existing Manhole	2	EA		
MWA-101-5.4	12" Ductile Iron Waterline	4,130	LF		
MWA-101-5.5	12" x 12" Tee	1	EA		
MWA-101-5.6	12" x 6" Hydrant Tee	9	EA		
MWA-101-5.7	12" 90° Bend	1	EA		
MWA-101-5.8	12" 22.5° Bend	5	EA		
MWA-101-5.9	12" Gate Valve	2	EA		
MWA-101-5.10	12" Gate Valve (Supplied by MWA - Install Cost Only)	2	EA		
MWA-101-5.11	MWA Typical Blow-Off	1	EA		
MWA-101-5.12	Fire Hydrant Assembly Including Gate Valve and Valve Box, Spool Pieces Concrete Collar, Crushed Stone, and Anchor Couplings, Installed, Complete	9	EA		
MWA-101-5.13	Proposed 24" Steel Casing	635	LF		
ALLOWANCE	Electric Line Relocation Allowance (If required. Payment to be made to the Electric Company or their subcontractor.)	1	LS	\$ 75,000.00	

ALLOWANCE	Gas Line Relocation Allowance (If required. Payment to be made to the Gas Company or their subcontractor.)	1	LS	\$ 75,000.00	
ALLOWANCE	Reimbursement of Permit Fees Paid by Contractor	1	LS	\$ 75,000.00	
PLANS	Traffic Control (In Accordance with GDOT Requirements and Latest Edition of MUTCD)	1	LS		
GDOT-627-5.1	MSE wall face, wall No. 0 - 10 ft., Including Coping	9,665	SF		
GDOT-627-5.2	MSE wall face, wall No. >10 -20 ft., Including Coping	8,750	SF		
GDOT-627-5.3	MSE wall face, wall No. >20- 30 ft., Including Coping	7,550	SF		
GDOT-627-5.4	MSE wall face, wall No. >30 ft., Including Coping	2,000	SF		
GDOT-627-5.6	Type 7-WS Side Barrier	975	LF		
GDOT-627-5.7	Additional MSE backfill	1,000	CY		
SUBTOTAL - BASE BID					

ADDITIVE ALTERNATE 1 - RUNWAY 5-23 AND TAXIWAY B EXTENSION PAVING, LIGHTING, AND APPROACH LIGHTING					
ITEM NUMBER	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
C-100-14.1	Contractor Quality Control Program (CQCP)	1	LS		
C-102-5.1	Temporary Construction Exit	1	EA		
C-102-5.5	Compost Filter Sock	3,500	LF		
C-102-5.6	Compost Filter Sock Check Dam	1	EA		
C-102-5.7	Temporary Inlet Protection	2	EA		
C-102-5.8	Temporary Seeding (Mulched)	6	AC		
C-102-5.12	Proposed Concrete Flume	246	SY		
C-102-5.18	Maintain Temporary Skimmer Basin 1, Complete	1	LS		
C-102-5.19	Maintain Temporary Skimmer Basin 2, Complete	1	LS		
C-105-6.1	Mobilization	1	LS		

C-107-4.1	Maintenance of Traffic and Airfield Safety	1	LS		
C-109-3.1	Engineer's Field Office - Fixed	2	MTH	\$ 900.00	\$ 1,800.00
L-104-01	Temporary Airfield Lighting Jumpers – Complete	1	LS		
L-105-01	Demolish Existing Fixture/Base Can	38	EA		
L-105-06	Miscellaneous Electrical Demolition	1	LS		
L-105-07	Remove Existing Sign and Foundation	7	EA		
L-105-08	Remove Existing Sign Panels from Existing Sign to Remain	10	EA		
L-108-01	1/12C No. 19 AWG, Shielded - CASSPIC-FSF	2,600	LF		
L-108-02	No. 1/0 AWG, BSDC Guard Wire, Installed in Trench or with Duct Bank or Conduit, Including Ground Rods and Ground Connectors	15,700	LF		
L-108-03	No. 12 AWG, XHHW	1,600	LF		
L-108-04	No. 2 AWG, XHHW	10,200	LF		
L-108-05	No. 4 AWG, XHHW	14,400	LF		
L-108-06	No. 4/0 AWG, BSDC, Installed in Trench or with Duct Bank or Conduit, Including Ground Rods and Ground Connectors	1,500	LF		
L-108-07	No. 4/0 AWG, XHHW	5,900	LF		
L-108-08	No. 6 AWG, XHHW	4,200	LF		
L-108-09	No. 8 AWG, XHHW	3,750	LF		
L-108-10	No. 6 AWG, Solid, Bare Counterpoise Wire,	20,600	LF		
L-108-11	No. 8 AWG, 5 kV, L-824, Type C Cable	10,900	LF		
L-110-01	1W-2" PVC Duct Concrete Encased	9,300	LF		
L-110-02	1W-2" RGSC Duct Concrete Encased	300	LF		
L-110-03	1W-4" PVC Duct Concrete Encased	150	LF		
L-110-05	2 Way 2-inch Concrete Encased	300	LF		
L-110-06	2W-4" PVC Duct Concrete Encased	3,000	LF		

L-110-07	3/4 IN. X 10 FT Copper Clad Ground Rods - Supplemental	500	EA		
L-110-08	3W-4" PVC Duct Concrete Encased	200	LF		
L-110-09	4W-4" PVC Duct Concrete Encased	600	LF		
L-110-10	6W-4" PVC Duct Concrete Encased	600	LF		
L-110-11	8W-4" PVC Duct Concrete Encased	500	LF		
L-115-01	FAA Handhole - Aircraft Rated	17	EA		
L-115-02	Junction Can Plaza - 2 L-867D Base Cans	4	EA		
L-115-03	L-867D Junction Can with 3/8" Thick Blank Steel Cover Plate Installed in Turf	4	EA		
L-125-01	Concrete Bollard	15	EA		
L-125-02	L-850C In-Pavement Runway Edge Light	1	EA		
L-125-03	L-850D In-Pavement Runway Threshold Light	4	EA		
L-125-05	L-858 LED RDR Sign, 1-Module on a New Concrete	5	EA		
L-125-06	L-858 LED Sign, 1-Module on a New Concrete Sign Base	1	EA		
L-125-07	L-858 LED Sign, 2-Module on a New Concrete Sign Base	3	EA		
L-125-08	L-861T(L) Elevated Taxiway Edge Light	81	EA		
L-125-10	L-862 Elevated Runway Edge Light	5	EA		
L-125-11	L-862E Elevated Runway Threshold Light	12	EA		
L-125-13	MALS EMT Light Bar - Installed in Turf	1	EA		
L-125-16	MALS MG20 Light Bar - Installed in Turf	5	EA		
L-125-17	MALS Semi Flush Light Bar - Full Strength	2	EA		
L-125-18	MALSR - Distribution Panel / Junction Box	1	EA		
L-125-19	MALSR Equipment Rack	1	LS		
L-125-20	MALSR Shelter	1	LS		
L-125-21	MALSR Shelter EES Grounding and Lightning	1	LS		
L-125-22	Relocated Storage Shelter	1	LS		

L-125-23	Threshold Light Bar - Full Strength Pavement	1	EA		
L-125-25	L-858 LED Sign, 3-Module on a New Concrete Sign Base	2	EA		
L-125-26	Install New Sign Panels on Existing Signs	10	EA		
ALLOWANCE	Electrical System Clarifications/Engineer Directed Work (Non-FAA Eligible)	1	LS	\$ 100,000.00	\$ 100,000.00
P-101-5.2	Remove Existing Bituminous Pavement and Stone (Airfield)	6,400	SY		
P-101-5.4	Remove Existing Concrete Pavement	175	SY		
P-101-5.5	Pavement Marking Removal by Waterblasting	107,000	SF		
P-152-4.2	Embankment In Place (Onsite Borrow), Placed and Compacted, Complete	750	CY		
P-152-4.3	Unsuitable Excavation	250	CY		
P-152-4.4	Geogrid	500	SY		
P-209-5.1	Crushed Aggregate Base Course (8-Inch Depth)	2,600	SY		
P-209-5.2	Crushed Aggregate Base Course (10-Inch Depth)	8,100	SY		
P-401-8.1	Bituminous Surface Course	3,400	TONS		
P-401-8.2	Bituminous Binder Course	10,200	TONS		
P-602-5.1	Bituminous Prime Coat	8,500	GAL		
P-603-5.1	Bituminous Tack Coat	8,500	GAL		
P-620-5.1	Temporary Pavement Marking, White	107,200	SF		
P-620-5.2	Permanent Pavement Marking, White	107,200	SF		
P-620-5.3	Temporary Pavement Marking, Yellow	3,900	SF		
P-620-5.4	Permanent Pavement Marking, Yellow	3,900	SF		
P-620-5.5	Permanent Pavement Marking, Red	1,600	SF		
P-621-5.1	Saw-Cut Pavement Grooving	10,000	SY		
T-901-5.1	Permanent Seeding	6	AC		
T-905-5.1	Topsoiling (On-Site Stripping and Final	1,100	CY		
T-908-5.1	Mulching	6	AC		

SUBTOTAL - ADDITIVE ALTERNATE 1					
ADDITIVE ALTERNATE 2 - EMAS					
ITEM CODE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
C-100-14.1	Contractor Quality Control Program (CQCP)	1	LS		
C-105-6.1	Mobilization	1	LS		
C-107-4.1	Maintenance of Traffic and Airfield Safety	1	LS		
C-109-3.1	Engineer's Field Office - Fixed	2	MTH	\$ 900.00	\$ 1,800.00
L-125-04	L-853 Retroreflective Marker	128	EA		
L-125-08	L-861T(L) Elevated Taxiway Edge Light	-1	EA		
L-125-09	L-861T(L) Elevated Taxiway Edge Light - Installed in Asphalt Overrun Pavement	1	EA		
L-125-11	L-862E Elevated Runway Threshold Light	-8	EA		
L-125-12	L-862E Elevated Runway Threshold Light - Installed in Asphalt Overrun Pavement	8	EA		
L-125-13	MALS EMT Light Bar - Installed in Turf	-1	EA		
L-125-14	MALS EMT Light Bar - Overrun Pavement	1	EA		
L-125-16	MALS MG20 Light Bar - Installed in Turf	-3	EA		
L-125-15	MALS MG20 Light Bar - Installed in EMAS	4	EA		
P-209-5.2	Crushed Aggregate Base Course (10-Inch Depth)	2,600	SY		
P-401-8.1	Bituminous Surface Course	2,220	TONS		
P-602-5.1	Bituminous Prime Coat	2,800	GAL		
P-603-5.1	Bituminous Tack Coat	1,000	GAL		
P-620-5.3	Temporary Pavement Marking, Yellow	3,400	SF		
P-620-5.4	Permanent Pavement Marking, Yellow	3,400	SF		
P-621-5.1	Saw-Cut Pavement Grooving	3,700	SY		
P-555-1	EMAS Bed Installation, including material and labor, Complete	1	LS		

SUBTOTAL - ADDITIVE ALTERNATE 2	
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SUBTOTAL - BASE BID _____

SUBTOTAL - BASE BID + BID ALTERNATE 1 _____

SUBTOTAL - BASE BID + BID ALTERNATE 1 + BID ALTERNATE 2 _____

NOTE: THIS IS A UNIT PRICE CONTRACT. UNIT PRICES WILL GOVERN IN THE EVENT OF A MATH ERROR.

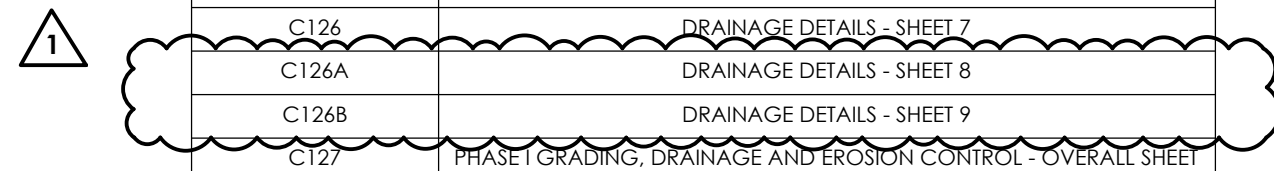
I:\Projects\New\2020\2020946\macon-bibb-county\2020946-0000\01 CAD - BIM - Model\AEP001\B_2020946\003_GRI-NOTES.dwg Jun 22, 2023 - 6:08pm
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GENERAL LEGEND

EXISTING		PROPOSED
-335- -334-	MAJOR CONTOUR	-295-
~ ~ ~ ~ ~	MINOR CONTOUR	-296-
(○)	TREE LINE	
(○)	TREE	
- X - X - X -	PROPERTY LINE	- XX - XX - XX -
- - - - -	TEMPORARY FENCE	- X - X - X -
- - - - -	PERMANENT FENCE	- - - - -
- - - - -	SAFETY AREA	- - - - -
- - - - -	OBJECT FREE AREA	- - - - -
- - - - -	FUTURE RUNWAY EXTENSION EDGE OF PAVEMENT	- - - - -
[]	GRAVEL ROAD	[]
[]	BITUMINOUS PAVEMENT	[]
- - - - -	UNDERGROUND ELECTRICAL LINE	- - - - -
(○)	SIGN	(○)
- - - - -	EDGE LIGHT	- - - - -
(S)	SANITARY SEWER LINE	(S)
(S)	SANITARY SEWER MANHOLE	(S)
- - - - -	WATER LINE	- - - - -
- - - - -	WATER MAIN WITH STEEL CASING	- - - - -
(○)	WATER METER	(○)
(○)	HYDRANT	(○)
(○)	GATE VALVE	(○)
(○)	BLOW OFF VALVE	(○)
(○)	TEE	(○)
(○)	ELBOW	(○)
(○)	GAS LINE	(○)
- - - - -	STORM PIPE	- - - - -
[]	DROP INLET	[]
[]	HEADWALL	[]
- - - - -	FLARED END SECTION	- - - - -
[]	STREAM/DITCH CENTERLINE	[]
[]	STREAM BUFFER	[]
[]	CONCRETE FLUME	[]

BASE BID - INDEX OF SHEETS	
SHEET NUMBER	SHEET TITLE
G100	COVER SHEET
G101	GENERAL LEGEND AND INDEX OF SHEETS
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PH102	PROJECT LAYOUT PLAN
PH103	SAFETY PLAN
PH104	PHASING PLAN - PHASE I
PH105	PHASING PLAN - PHASE II
PH106	PHASING PLAN - PHASE III
PH107	SAFETY AND PHASING DETAILS
C101	EXISTING CONDITIONS AND DEMOLITION PLAN - OVERALL SHEET
C102	EXISTING CONDITIONS AND DEMOLITION PLAN - SHEET 1
C103	EXISTING CONDITIONS AND DEMOLITION PLAN - SHEET 2
C104	EXISTING CONDITIONS AND DEMOLITION PLAN - SHEET 3
C105	EXISTING CONDITIONS AND DEMOLITION PLAN - SHEET 4
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C114	PIPE PROFILES - SHEET 2
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C116	PIPE PROFILES - SHEET 4
C117	PIPE PROFILES - SHEET 5
C118	PIPE PROFILES - SHEET 6
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C124	DRAINAGE DETAILS - SHEET 5
C125	DRAINAGE DETAILS - SHEET 6
C126	DRAINAGE DETAILS - SHEET 7
C126A	DRAINAGE DETAILS - SHEET 8
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C127	PHASE I GRADING, DRAINAGE AND EROSION CONTROL - OVERALL SHEET
C128	PHASE I GRADING, DRAINAGE AND EROSION CONTROL - SHEET 1
C129	PHASE I GRADING, DRAINAGE AND EROSION CONTROL - SHEET 2
C130	PHASE I GRADING, DRAINAGE AND EROSION CONTROL - SHEET 3
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C132	PHASE II GRADING, DRAINAGE AND EROSION CONTROL - SHEET 1
C133	PHASE II GRADING, DRAINAGE AND EROSION CONTROL - SHEET 2
C134	PHASE II GRADING, DRAINAGE AND EROSION CONTROL - SHEET 3
C135	PHASE II GRADING, DRAINAGE AND EROSION CONTROL - SHEET 4
C136	PHASE III GRADING, DRAINAGE AND EROSION CONTROL - OVERALL SHEET
C137	PHASE III GRADING, DRAINAGE AND EROSION CONTROL - SHEET 1
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C140	PHASE III GRADING, DRAINAGE AND EROSION CONTROL - SHEET 4
C141	PHASE III GRADING, DRAINAGE AND EROSION CONTROL - SHEET 5
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BASE BID - INDEX OF SHEETS	
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C151	EROSION CONTROL DETAILS - SHEET 3
C152	EROSION CONTROL DETAILS - SHEET 4
C153	EROSION CONTROL DETAILS - SHEET 5
C154	EROSION CONTROL DETAILS - SHEET 6
C155	EROSION CONTROL DETAILS - SHEET 7
C156	EROSION CONTROL DETAILS - SHEET 8
C157	EROSION CONTROL DETAILS - SHEET 9
C158	GRADING DETAILS
C159	CROSS SECTIONS - SHEET 1
C160	CROSS SECTIONS - SHEET 2
C161	CROSS SECTIONS - SHEET 3
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C173	FENCING PLAN
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C178	SANITARY SEWER PLAN AND PROFILE - SHEET 2
C179	UTILITY DETAILS - SHEET 1
C180	UTILITY DETAILS - SHEET 2
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C182	MAINTENANCE OF TRAFFIC - SHEET 2
C183	MAINTENANCE OF TRAFFIC - SHEET 3
C184	PROPOSED MSE WALL PLAN AND PROFILE
C185	PROPOSED MSE WALL DETAILS



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 PRINCIPAL IN CHARGE BRAD WENTE, P.E.
 PROJECT MANAGER STANLEY PRICE, P.E.
 DESIGNED BY TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24
 SUBMITTAL:
BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:

NORTH ARROW AND SCALE:

PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN) MACON-BIBB COUNTY, GEORGIA

REVISIONS			
No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
GENERAL LEGEND AND INDEX OF SHEETS

SHEET:
G101

PROJECT NO.:
 20202946.0003

DATE:
 MAY 2023



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BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:

NORTH ARROW AND SCALE:

PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
MACON-BIBB COUNTY, GEORGIA

Table with 4 columns: No., Date, By, Description. Row 1: 1, 6/23/23, SDP, ADDENDUM NO. 2

SHEET TITLE:
GENERAL NOTES

SHEET:
G102

PROJECT NO.:
20202946.0003

DATE:
MAY 2023

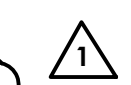
GENERAL NOTES

GENERAL NOTES:

- 1. BY SUBMITTING A BID, THE CONTRACTOR AFFIRMS THAT THEY ARE FAMILIAR WITH CONTRACT REQUIREMENTS.
2. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING UTILITIES. IN THE EVENT OF DAMAGE TO EXISTING ELECTRICAL CABLES AND UTILITIES, THE RESIDENT PROJECT REPRESENTATIVE AND AIRPORT MANAGER ARE TO BE NOTIFIED IMMEDIATELY AND THE CONTRACTOR SHALL REPAIR THE DAMAGE, AS DIRECTED BY THE RESIDENT PROJECT REPRESENTATIVE, IMMEDIATELY AND AT THE CONTRACTOR'S EXPENSE. ALL DAMAGED CABLES, WILL BE REPLACED TO THE NEAREST LIGHTING FIXTURES. NO FIELD SPLICES WILL BE PERMITTED.
3. PROPERTY LINES, RIGHT-OF-WAY LINES, AND OWNER NAMES SHOWN ON THE PLANS ARE TAKEN FROM RECORD MAPS OR RECENT SURVEYS.
4. CONTRACTOR'S ACCESS TO THE AIRPORT SHALL BE LIMITED TO THE ACCESS ROADS SHOWN ON THE PLAN. THE CONTRACTOR, UPON COMPLETION OF THIS CONTRACT, SHALL REPAIR ANY DAMAGE TO ACCESS ROADS, GATES OR FENCES. ALL EXISTING PAVEMENTS AND DISTURBED GROUND SHALL BE RESTORED TO EXISTING CONDITION OR BETTER AT NO COST TO THE OWNER. CONTRACTOR SHALL MINIMIZE PAVEMENT CROSSINGS AND SHALL CLEAN AND SWEEP ACTIVE AIRCRAFT PAVEMENT AS OFTEN AS NECESSARY, AS ORDERED BY OWNER / ENGINEER, TO KEEP PAVEMENT FREE OF DEBRIS. UTILIZED VEHICLE ROADS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY FOR THE PROJECT AND FOR ACCESS TO THE SITE. COST FOR PERMITS IS TO BE PAID FOR UNDER THE MOBILIZATION PAY ITEM.
6. ALL COSTS ASSOCIATED WITH MAINTENANCE OF HAUL ROADS, ACCESS ROADS, RESTORATION OF SURFACES DISTURBED AND ALL BARRICADES AND TEMPORARY AIRPORT MARKINGS SHALL BE INCLUDED IN ITEM C-107 - MAINTENANCE OF TRAFFIC AND AIRFIELD SAFETY.
7. THE CONTRACTOR SHALL EXAMINE EXISTING CONDITIONS BEFORE SUBMITTING A BID.
8. ANY IRON PINS, CONCRETE MONUMENTS, SURVEY MONUMENTS, OR OTHER ITEMS DEFINING PROPERTY LINES OR BASELINES WHICH ARE DISTURBED SHALL BE PROPERLY TIED AND ACCURATELY RESET UPON COMPLETION OF WORK BY THE CONTRACTOR AT NO COST TO THE OWNER.
9. ALL DISTURBED GROUND SHALL BE RESTORED TO AN ACCEPTABLE CONDITION AS DETERMINED BY THE OWNER.
10. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED WRITTEN APPROVAL OF THE ENGINEER.
11. SITE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFELY MAINTAINING THE CONSTRUCTION SITE THROUGHOUT THE PERIOD OF CONSTRUCTION.
13. THE CONTRACTOR SHALL NOT LEAVE CONSTRUCTION EQUIPMENT RUNNING OR UNATTENDED.
14. THE CONTRACTOR SHALL KEEP MEN AND EQUIPMENT NOT NECESSARY FOR THEIR OPERATIONS OUT OF THE EXISTING TERMINAL AND AIR OPERATIONS AREA.
15. IF DURING CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, OR REPRESENT A SIGNIFICANT DIFFERENCE BETWEEN THE CONTRACT DOCUMENTS AND FIELD CONDITIONS, THE CONTRACTOR SHALL CONTACT THE RESIDENT PROJECT REPRESENTATIVE IMMEDIATELY.
16. THE CONTRACTOR SHALL RESEED THE CONTRACTOR'S STAGING AREA AFTER PROJECT SUBSTANTIAL COMPLETION.
17. THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THIS JOB SITE DURING THE PERFORMANCE OF THIS CONTRACT.
18. ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES, AND REGULATIONS.
19. THE RESIDENT PROJECT REPRESENTATIVE RESERVES THE RIGHT TO EXAMINE ANY WORK DONE ON THIS PROJECT AT ANY TIME TO DETERMINE CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OF THIS PROJECT, AS INTENDED AND

INTERPRETED BY THE ENGINEER.

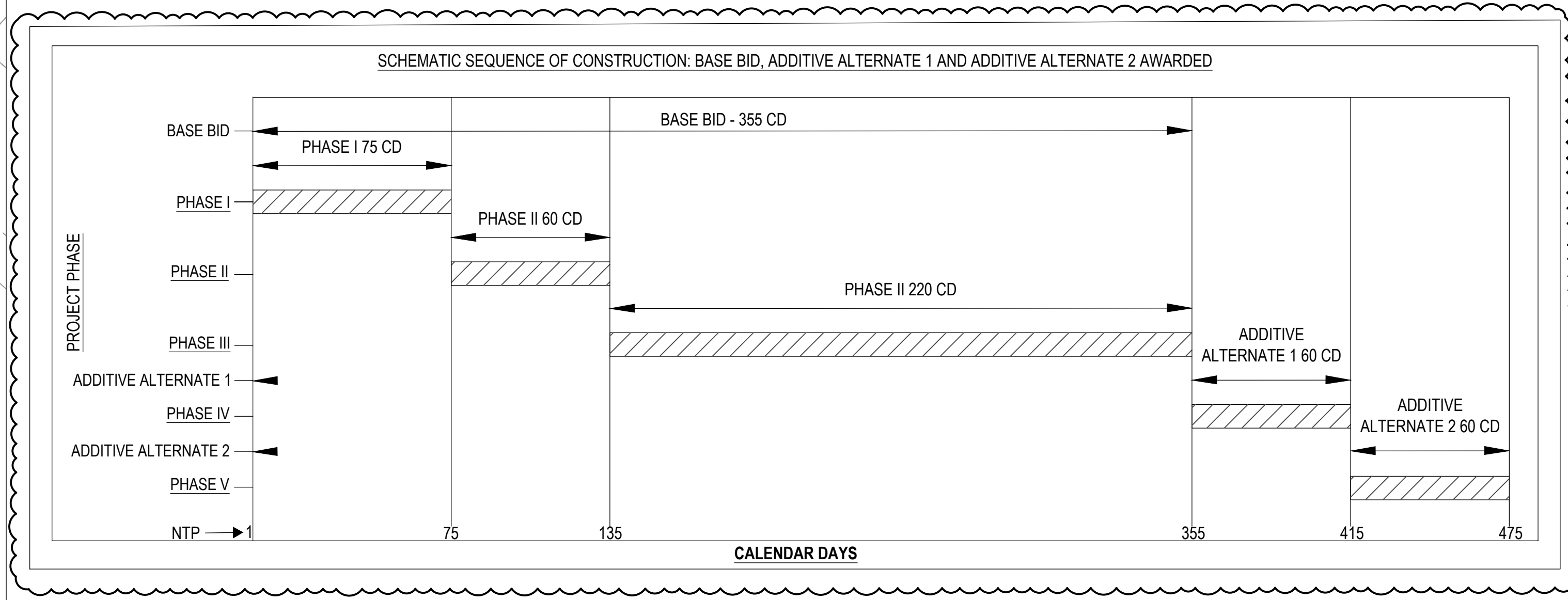
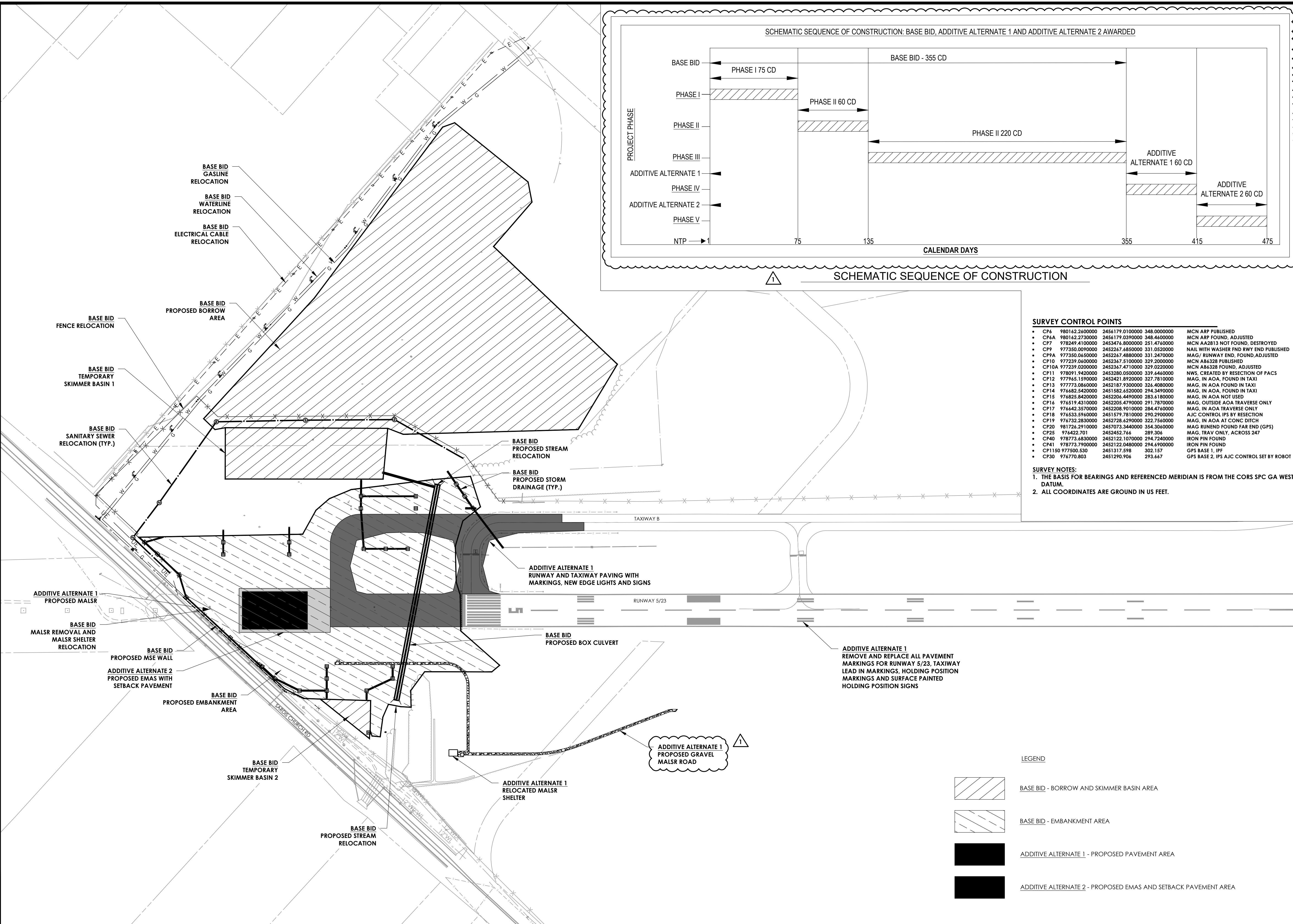
- 20. THE CONTRACTOR SHALL:
A. VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE ENGINEER, IN WRITING, OF ANY DISCREPANCIES.
B. EXAMINE THE SITE AND INCLUDE IN HIS WORK THE EFFECT OF ALL EXISTING CONDITIONS ON THE WORK.
C. PROVIDE AND INSTALL ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH RECOGNIZED STANDARDS OF GOOD PRACTICE.
D. HOLD THE OWNER HARMLESS AGAINST ANY AND ALL CLAIMS ARISING FROM WORK DONE BY THE CONTRACTOR OR HIS SUB-CONSULTANTS ON THE SITE.
21. CONTRACTOR PROJECT CLOSE-OUT REQUIREMENTS:
A. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS FOR THE COMPLETION AND CLOSE-OUT OF THE PROJECT CONSTRUCTION.
B. THE CONTRACTOR SHALL PROVIDE THE OWNER AND THE ENGINEER OF RECORD WITH COPIES OF RECORD LOGS, TEST RESULTS, AND SUPPORTING DOCUMENTATION WITHIN 30 DAYS OF THE COMPLETION OF WORK.
C. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL GIVE THE OWNER AND THE RESIDENT PROJECT REPRESENTATIVE A MINIMUM OF THREE (3) DAYS NOTICE PRIOR TO THE SCHEDULED SITE INSPECTION.
22. THE CONTRACTOR IS TO MAINTAIN ALL AIRPORT OPERATIONS DURING CONSTRUCTION, AND SHALL KEEP ALL MEN AND EQUIPMENT OUTSIDE OF AIRPORT SAFETY AREAS AT ALL TIMES.
23. IN ORDER TO MITIGATE WETLAND DISTURBANCE, THE CONTRACTOR SHALL USE LOW IMPACT HAND TOOLS ONLY IN AREAS IDENTIFIED AS WETLAND.
24. ALL WASTE GENERATED FROM EARTHWORK OPERATIONS SHALL BE REMOVED & TAKEN OFF-SITE, AND ALL ASSOCIATED COST SHALL BE INCORPORATED INTO THE "UNSUITABLE EXCAVATION" ITEM OF WORK.
25. THE CONTRACTOR SHALL PROVIDE THE NECESSARY NUMBER OF RADIOS FOR HIS/HER WORKFORCE.
26. THE CONTRACTOR SHALL PROVIDE WORKMANSHIP AND MATERIALS THAT ARE OF GOOD QUALITY AND COMPLY WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.
27. SWEEPERS WITH METAL BRISTLES SHALL NOT BE PERMITTED ON AIRPORT PROPERTY.
28. NO TRASH, LITTER, OR FOOD SHALL BE LEFT ON AIRPORT PROPERTY AT ANY TIME.
29. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A WAY THAT STANDING WATER AND TALL GRASSES ARE NOT CREATED.
30. AIRPORT FENCING AND GATES SHALL REMAIN CLOSED AT ALL TIMES, EXCEPT TO PASS AUTHORIZED VEHICLES AND CONSTRUCTION PERSONNEL.
31. CONTRACTOR SHALL SWEEP HAUL ROUTE OR OTHER AREAS OF AIRFIELD PAVEMENT AS NECESSARY OR DIRECTED BY RPR OR AIRPORT REPRESENTATIVES TO KEEP FOREIGN OBJECT DEBRIS (FOD) OFF OF THE PAVEMENT.
32. NO HAZARDOUS MATERIALS SHALL BE BROUGHT ONTO AIRPORT PROPERTY AT ANY TIME.
33. ALL MATERIALS USED SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS FOR THE COMPLETION AND CLOSE-OUT OF THE PROJECT CONSTRUCTION.
34. AT CERTAIN TIMES DURING THE PROJECT, TENANTS OF THE AIRPORT MAY HAVE LARGER PLANES LANDING THAT REQUIRE THE USE OF RUNWAY 5-23. DURING THESE TIMES, THE CONTRACTOR WILL BE REQUIRED TO OPEN THE RUNWAY. A MINIMUM OF 24-HOURS NOTICE WILL BE PROVIDED TO THE CONTRACTOR PRIOR TO THE OPENING OF THE RUNWAY. WE ANTICIPATE THE AVERAGE DURATION OF THE RUNWAY OPENINGS TO BE APPROXIMATELY 2 HOURS.



Know what's below. Call before you dig.

Vertical text on the left margin: 1:\projects\new\2020\20202946\macon-bibb-county\20202946-0003\01-CAD-01-BW-Modish\Airport\Bldg_20202946\03_GEN-NOTES.dwg Jun 23, 2023, 10:10am THESE DOCUMENTS ARE COPY RIGHT PROTECTED AND HAVE BEEN SPECIALLY PREPARED ON BEHALF OF THE PROJECT'S OWNER UNDER THE SUPERVISION OF THE ENGINEER OF RECORD. ANY REPRODUCTION OR USE OF THESE DRAWINGS, EITHER ELECTRONICALLY OR OTHERWISE, WITHOUT WRITTEN AUTHORIZATION OF THE ENGINEER OF RECORD IS STRICTLY PROHIBITED. ©

1:\Projects\New\2020\20202946\Macon-Bibb County\20202946\0000\01 CAD - Bldg - Modish\Modish\A1_20200706\0001\PROJECT LAYOUT PLAN.dwg Jun 22, 2023 4:27pm
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SCHEMATIC SEQUENCE OF CONSTRUCTION

SURVEY CONTROL POINTS

Point ID	Coordinates (Easting, Northing)	Notes
CP6	980142.2600000 2456179.0100000	348.0000000 MCN ARP PUBLISHED
CP6A	980142.2730000 2456179.0390000	348.4600000 MCN ARP FOUND, ADJUSTED
CP7	978249.4100000 2453476.8000000	251.4760000 MCN A2813 NOT FOUND, DESTROYED
CP9	977350.0090000 2452247.6850000	331.0520000 NAIL WITH WASHER END R/WY END PUBLISHED
CP9A	977350.0650000 2452247.4880000	331.2470000 MAG/ RUNWAY END, FOUND, ADJUSTED
CP10	977239.0600000 2452347.5100000	329.2000000 MCN A86328 PUBLISHED
CP10A	977239.0200000 2452347.4710000	329.0220000 MCN A86328 FOUND, ADJUSTED
CP11	978091.9420000 2453280.0500000	339.6460000 NWS, CREATED BY RESECTION OF PACS
CP12	977945.1590000 2452421.8920000	327.7810000 MAG, IN AOA, FOUND IN TAXI
CP13	977773.0860000 2452187.9300000	326.4080000 MAG, IN AOA, FOUND IN TAXI
CP14	976682.5420000 2451582.6520000	294.3490000 MAG, IN AOA, FOUND IN TAXI
CP15	976825.8420000 2452206.4490000	283.6180000 MAG, IN AOA, NOT USED
CP16	976519.4310000 2452205.4790000	291.7870000 MAG, OUTSIDE AOA TRAVERSE ONLY
CP17	976642.3570000 2452208.9010000	284.4760000 MAG, IN AOA TRAVERSE ONLY
CP18	976533.5960000 2451579.7810000	290.2900000 AJC CONTROL IPS BY RESECTION
CP19	976732.2830000 2452728.6290000	322.7560000 MAG, IN AOA AT CONC DITCH
CP20	981728.2910000 2451073.3440000	354.3060000 MAG RUNEND FOUND FAR END (GPS)
CP25	976422.701 2452452.766	289.306 MAG, TRAV ONLY, ACROSS 247
CP40	978773.6830000 2452122.1070000	294.7240000 IRON PIN FOUND
CP41	978773.7900000 2452122.0480000	294.6900000 IRON PIN FOUND
CP1150	977500.530 2451317.598	302.157 GPS BASE 1, IPF
CP30	976770.803 2451290.906	293.667 GPS BASE 2, IPS AJC CONTROL SET BY ROBOT

SURVEY NOTES:
 1. THE BASIS FOR BEARINGS AND REFERENCED MERIDIAN IS FROM THE CORS SPC GA WEST DATUM.
 2. ALL COORDINATES ARE GROUND IN US FEET.

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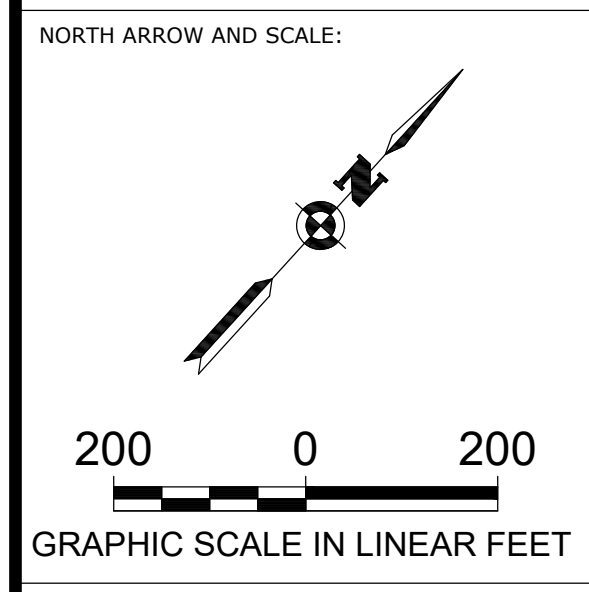
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 DESIGNED BY TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24

SUBMITTAL:
BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:



PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY

FORWARD TOGETHER
 1823 • 2014 • 1822

MIDDLE GEORGIA REGIONAL AIRPORT (MCN) MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
PROJECT LAYOUT PLAN

SHEET:
PH102

PROJECT NO.:
 20202946.0003

DATE:
 MAY 2023



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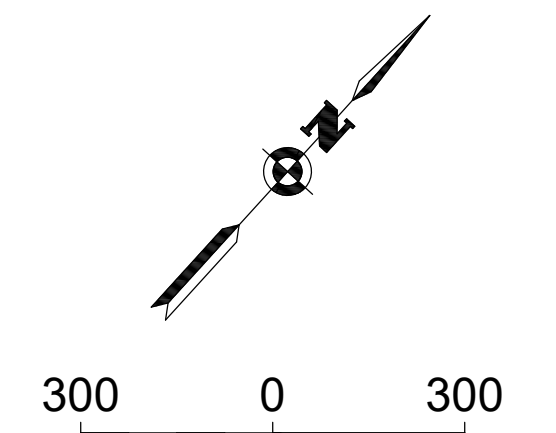
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GA COA NO.: PE003273 EXP.: 06/30/24

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ENGINEER OF RECORD:

NORTH ARROW AND SCALE:



GRAPHIC SCALE IN LINEAR FEET

PROJECT:

BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	4/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:

SAFETY PLAN

SHEET:

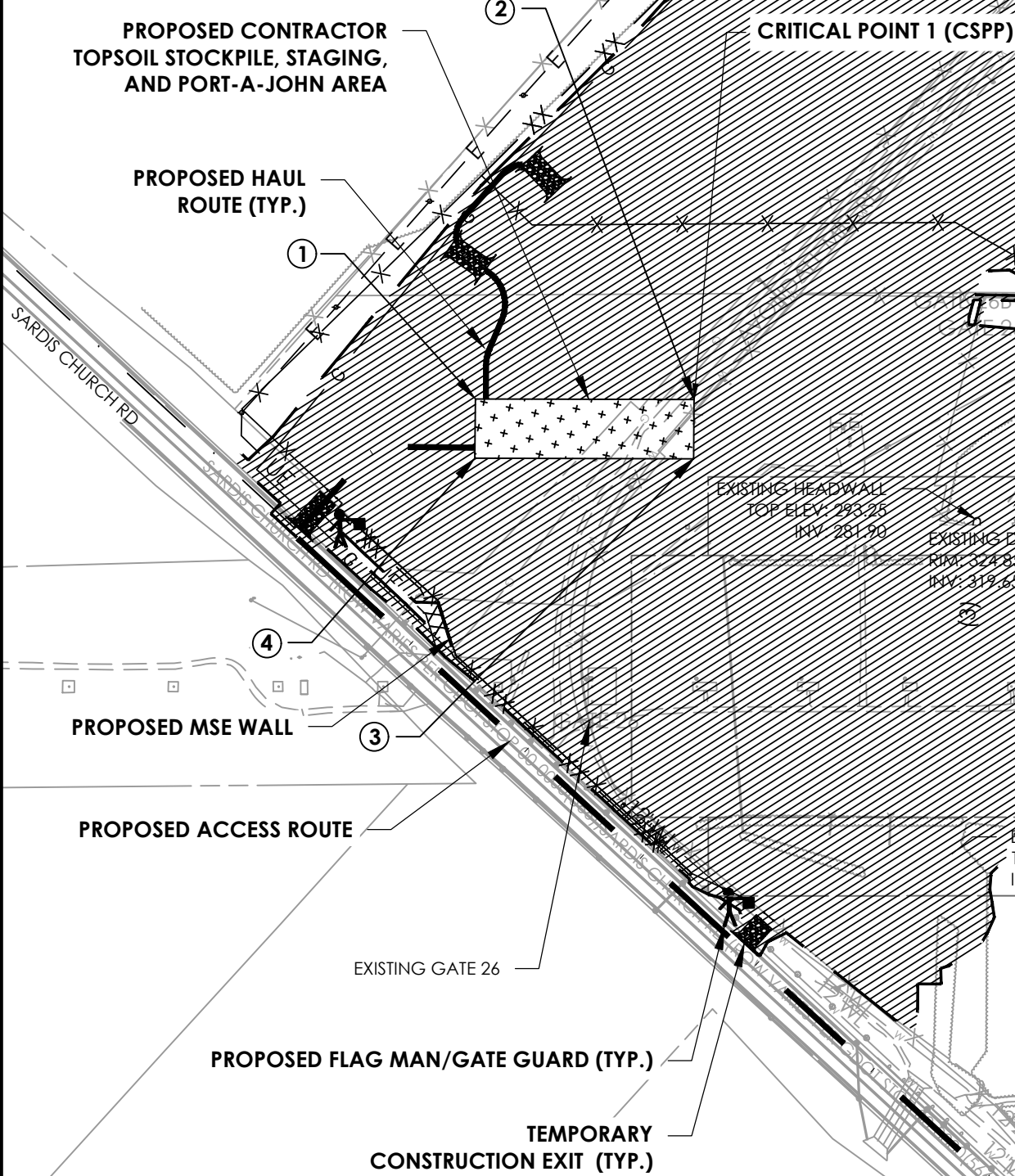
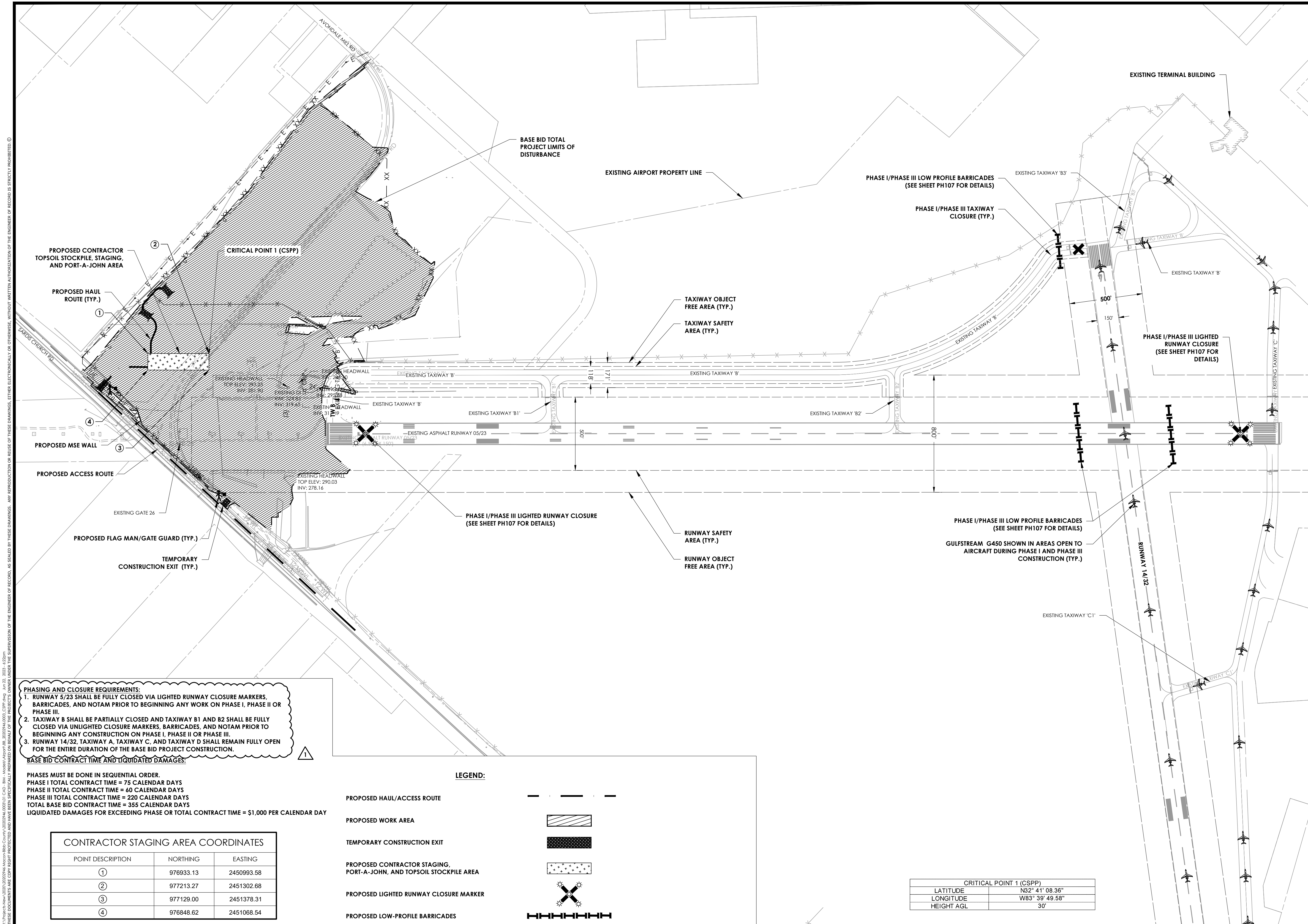
PH103

PROJECT NO.:

20202946.0003

DATE:

MAY 2023



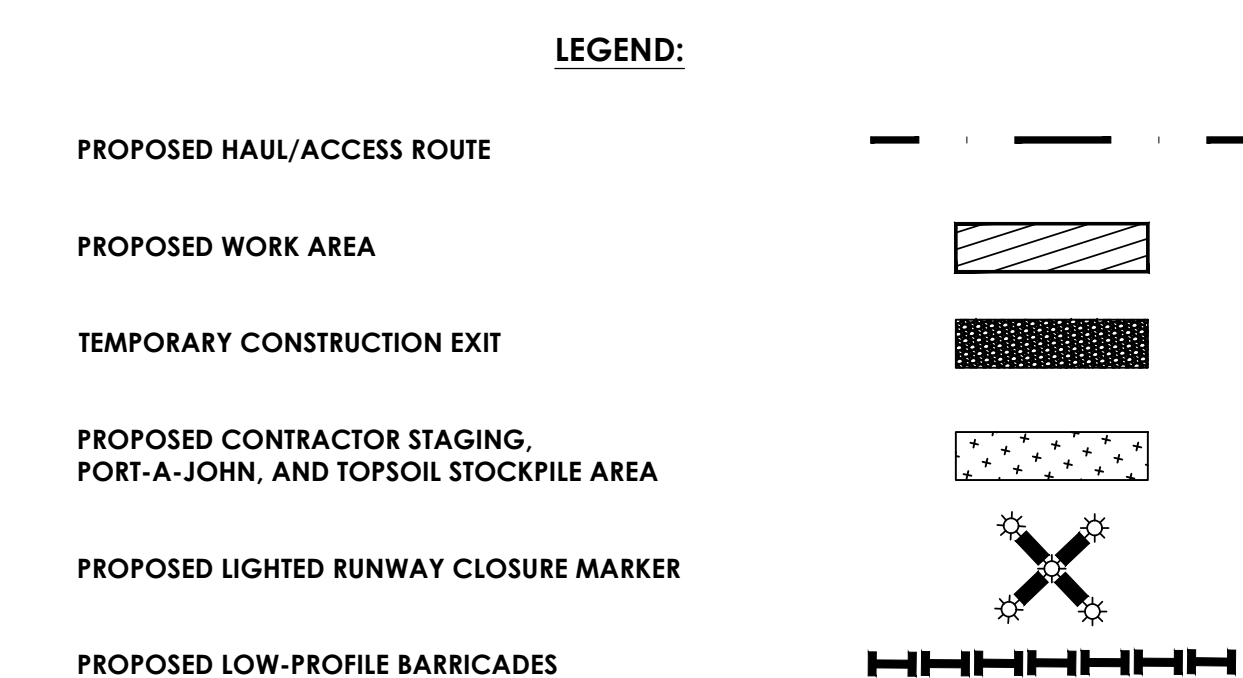
PHASING AND CLOSURE REQUIREMENTS:

- RUNWAY 5/23 SHALL BE FULLY CLOSED VIA LIGHTED RUNWAY CLOSURE MARKERS, BARRICADES, AND NOTAM PRIOR TO BEGINNING ANY WORK ON PHASE I, PHASE II OR PHASE III.
- TAXIWAY B SHALL BE PARTIALLY CLOSED AND TAXIWAY B1 AND B2 SHALL BE FULLY CLOSED VIA UNLIGHTED CLOSURE MARKERS, BARRICADES, AND NOTAM PRIOR TO BEGINNING ANY CONSTRUCTION ON PHASE I, PHASE II OR PHASE III.
- RUNWAY 14/32, TAXIWAY A, TAXIWAY C, AND TAXIWAY D SHALL REMAIN FULLY OPEN FOR THE ENTIRE DURATION OF THE BASE BID PROJECT CONSTRUCTION.

BASE BID CONTRACT TIME AND LIQUIDATED DAMAGES:

PHASES MUST BE DONE IN SEQUENTIAL ORDER.
 PHASE I TOTAL CONTRACT TIME = 75 CALENDAR DAYS
 PHASE II TOTAL CONTRACT TIME = 60 CALENDAR DAYS
 PHASE III TOTAL CONTRACT TIME = 220 CALENDAR DAYS
 TOTAL BASE BID CONTRACT TIME = 355 CALENDAR DAYS
 LIQUIDATED DAMAGES FOR EXCEEDING PHASE OR TOTAL CONTRACT TIME = \$1,000 PER CALENDAR DAY

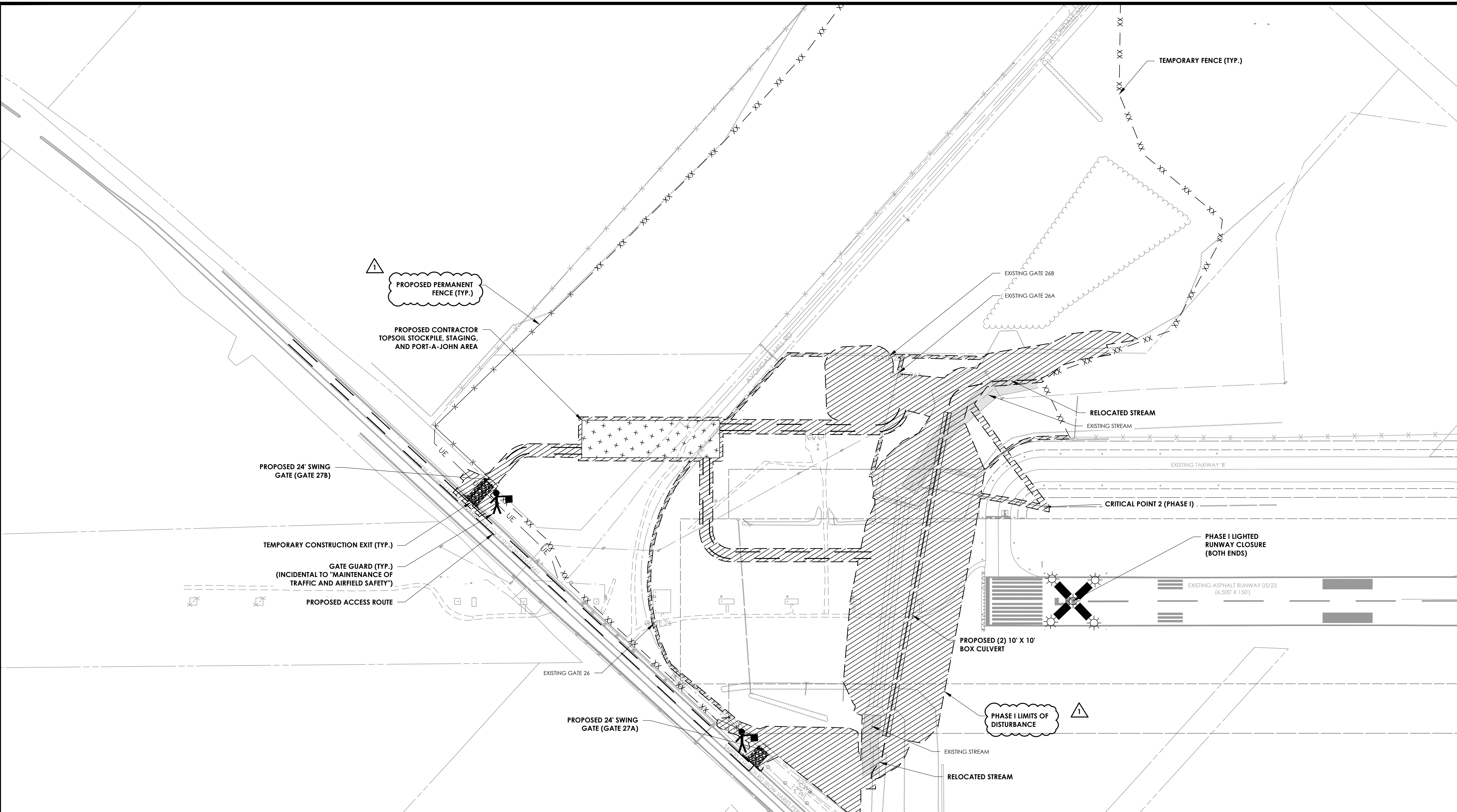
CONTRACTOR STAGING AREA COORDINATES		
POINT DESCRIPTION	NORTHING	EASTING
①	976933.13	2450993.58
②	977213.27	2451302.68
③	977129.00	2451378.31
④	976848.62	2451068.54



CRITICAL POINT 1 (CSPP)	
LATITUDE	N32° 41' 08.36"
LONGITUDE	W83° 39' 49.58"
HEIGHT AGL	30'

1:\Projects\New\2020\20202946\Macon-Bibb County\20202946.0003\01_CADD_Bldg - Modern\Aerial\PH_20202946.0003_CSPP.dwg Jun 27, 2023 4:27pm THESE DOCUMENTS AND ANY INFORMATION CONTAINED HEREIN ARE UNCLASSIFIED AND HAVE BEEN SPECIALLY PRODUCED FOR THE PROJECT'S OWNER UNDER THE SUPERVISION OF THE ENGINEER OF RECORD. ANY REPRODUCTION OR BASIS OF THESE DRAWINGS, EITHER ELECTRONICALLY OR OTHERWISE, WITHOUT WRITTEN AUTHORIZATION OF THE ENGINEER OF RECORD IS STRICTLY PROHIBITED. ©

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- PHASE I SAFETY NOTES:**
- RUNWAY 5/23 SHALL BE CLOSED TO AIRCRAFT TRAFFIC DURING PHASE I WORK. THE RUNWAY EDGE LIGHTS ALONG RUNWAY 5/23 SHALL BE DE-ENERGIZED DURING RUNWAY CLOSURES.
 - TAXIWAY B SHALL BE PARTIALLY CLOSED, AND TAXIWAY B1 AND B2 SHALL BE FULLY CLOSED, AS SHOWN ON SHEET PH103, VIA UNLIGHTED CLOSURE MARKER, BARRICADES, AND NOTAM PRIOR TO BEGINNING ANY CONSTRUCTION ON PHASE I. THE TAXIWAY EDGE LIGHTS ALONG THE CLOSED SECTION OF TAXIWAY B, TAXIWAY B1 AND TAXIWAY B2 SHALL BE COVERED.
 - LIGHTED RUNWAY CLOSURE MARKINGS SHALL BE INSTALLED AT EACH END OF RUNWAY 5/23 ON THE RUNWAY NUMERALS, AS SHOWN ON SHEET PH103, FOR THE ENTIRE DURATION OF PHASE I CONSTRUCTION.
 - ALL LOW-PROFILE BARRICADES SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF PHASE I WORK. ALL LOW-PROFILE BARRICADES SHALL BE REMOVED AFTER COMPLETION OF ALL PHASE I WORK AND BEFORE PHASE II WORK COMMENCES.
 - AT LEAST ONE PERSON WITH AN AIRPORT IDENTIFICATION BADGE SHALL BE ON SITE AT ALL TIMES WHEN THE SECURED AREA IS BEING ACCESSED FOR ANY REASON RELATED TO THIS PROJECT.
 - PRIOR TO THE START OF PHASE I OF CONSTRUCTION, A NOTICE TO AIR MISSIONS (NOTAM) SHALL BE ISSUED BY THE AIRPORT NOTIFYING AIR MISSIONS OF RUNWAY 5/23 CLOSURE AND TAXIWAY B PARTIAL CLOSURE.
 - ALL EQUIPMENT SHALL BE MOVED BY THE CONTRACTOR OUTSIDE OF THE RUNWAY OBJECT FREE AREA AND THE TAXIWAY OBJECT FREE AREA PRIOR TO THE OPENING OF RUNWAY 5/23, TAXIWAY B, TAXIWAY B1, AND TAXIWAY B2. THE CONTRACTOR SHALL WALK RUNWAY 5/23, TAXIWAY B, TAXIWAY B1, AND TAXIWAY B2 TO ENSURE THAT THESE AREAS ARE CLEAR OF ALL DEBRIS AND OBJECTS. AFTER THE CONTRACTOR HAS PROVIDED VERIFICATION THAT ALL AREAS WITHIN THE OBJECT FREE AREAS ARE CLEAR AND READY FOR AIRCRAFT TRAFFIC, THE CONTRACTOR SHALL INFORM THE AIRPORT THAT THE RUNWAY AND TAXIWAY ARE READY TO OPEN. THE AIRPORT SHALL ANNOUNCE THE OPENING TO THE AIR MISSIONS.
 - CONTRACTOR SHALL PHASE TEMPORARY FENCING TO ENSURE THE SITE IS SECURED AT ALL TIMES.

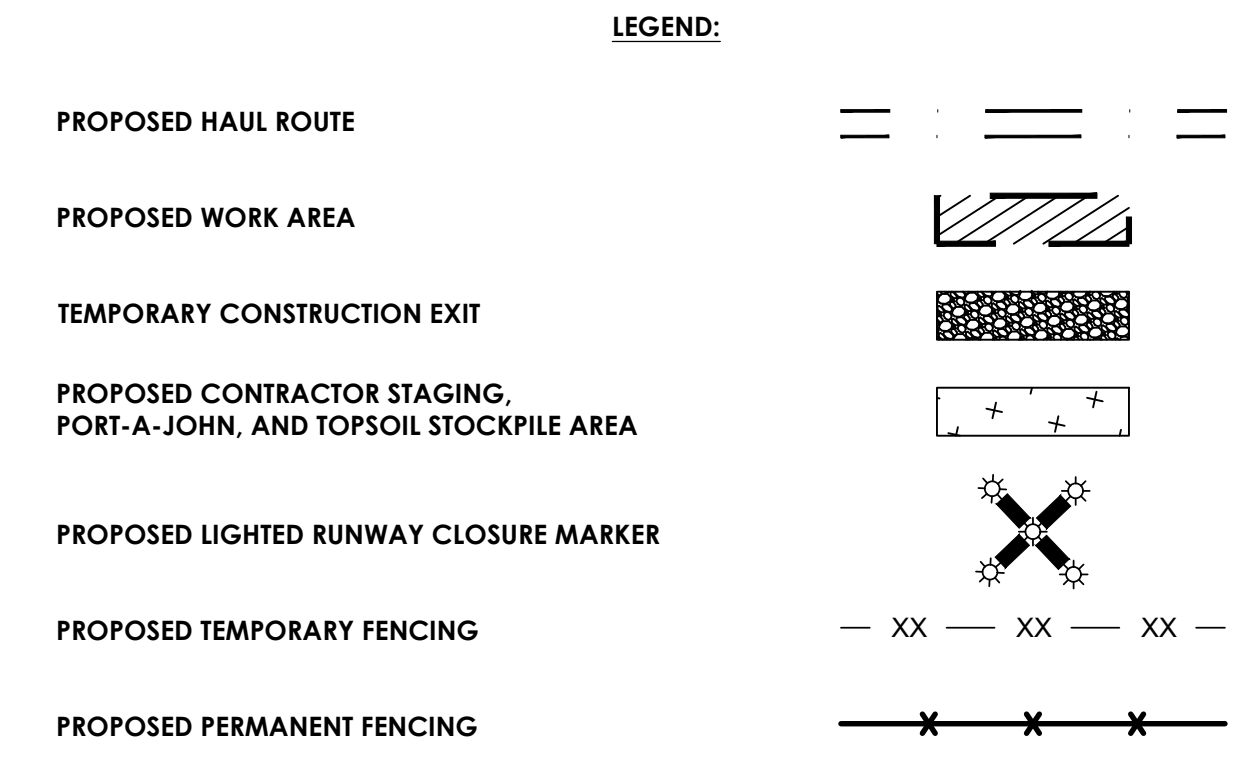
PHASE I PHASING NOTES:

- PHASE I WORK INCLUDED INSTALLATION OF TEMPORARY AND PERMANENT FENCING, REMOVAL OF EXISTING FENCING, REMOVAL OF EXISTING CULVERT, REMOVAL OF EXISTING MALSR AND MALSR SHELTER, INSTALLATION OF PROPOSED HEADWALLS AND BOX CULVERT, INSTALLATION OF THE PROPOSED DRAINAGE AND STRUCTURES, RELOCATION OF THE EXISTING STREAM, PARTIAL INSTALLATION OF TEMPORARY SEDIMENT BASIN 1 AND INSTALLATION OF TEMPORARY SEDIMENT BASIN 2.
- CONTRACTOR SHALL ENTER THE SITE THROUGH GATES 26A AND 26B UNTIL NEW GATES 27A AND 27B ARE CONSTRUCTED.

PHASE I CONTRACT TIME AND LIQUIDATED DAMAGES:

PHASE I TOTAL CONTRACT TIME = 75 CALENDAR DAYS
 LIQUIDATED DAMAGES FOR EXCEEDING PHASE I CONTRACT TIME = \$1,000 PER CALENDAR DAY

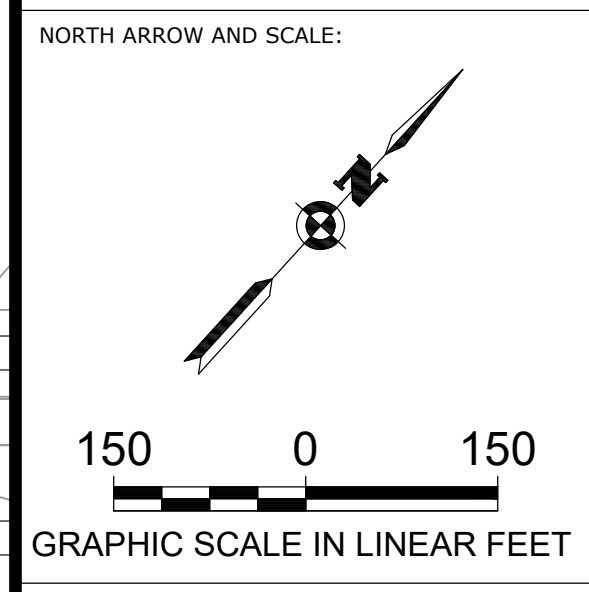
CRITICAL POINT 2 (PHASE I)	
LATITUDE	N32° 41' 12.97"
LONGITUDE	W83° 39' 38.95"
HEIGHT AGL	1'



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 3855 Shallowford Rd, Suite 310 (470) 577-9989
 Marietta, GA 30062 Fax: (585) 325-1691
 PRINCIPAL IN CHARGE BRAD WENTE, P.E.
 PROJECT MANAGER STANLEY PRICE, P.E.
 DESIGNED BY TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24
 SUBMITTAL:
BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:



PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
 MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
PHASING PLAN - PHASE I

SHEET:
PH104

PROJECT NO.:
 20202946.0003

DATE:
 MAY 2023

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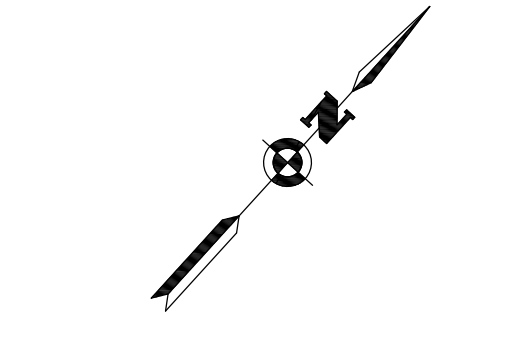
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 DESIGNED BY TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24

SUBMITTAL:
**BID DOCUMENTS -
 DO NOT USE FOR CONSTRUCTION**

ENGINEER OF RECORD:

NORTH ARROW AND SCALE:



150 0 150
 GRAPHIC SCALE IN LINEAR FEET

PROJECT:
**BASE BID: GRADING,
 DRAINAGE AND
 UTILITIES FOR
 RUNWAY 5 EXTENSION**

CLIENT:
MACON-BIBB COUNTY



**MIDDLE GEORGIA
 REGIONAL AIRPORT (MCN)
 MACON-BIBB COUNTY, GEORGIA**

REVISIONS

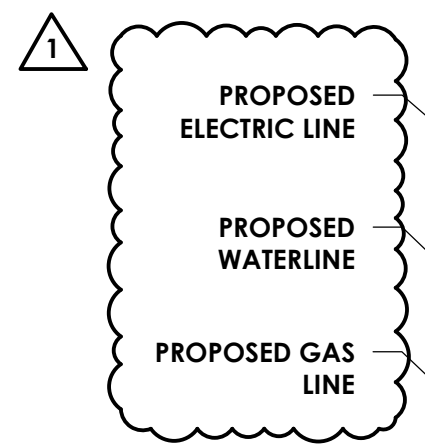
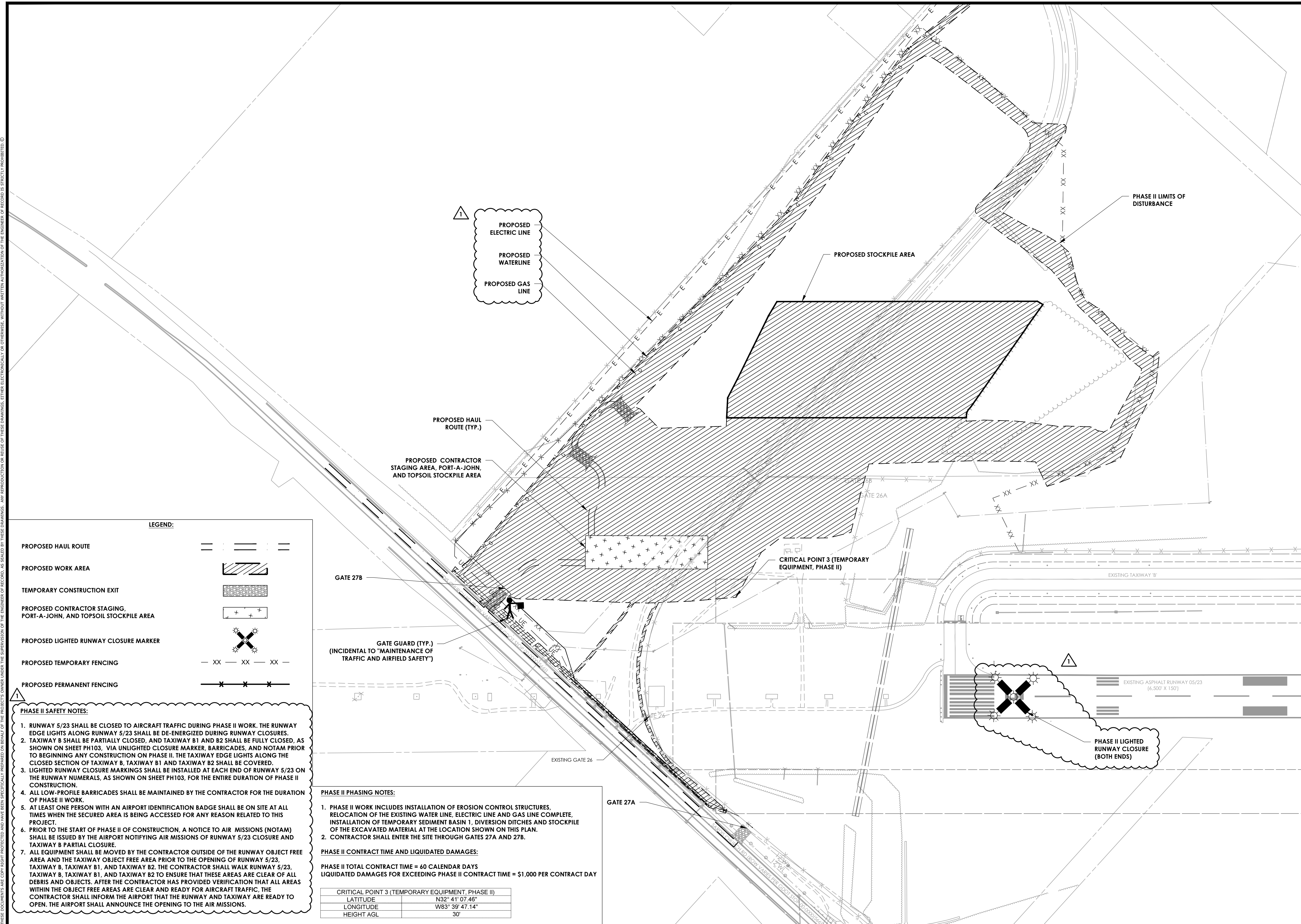
No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
**PHASING PLAN -
 PHASE II**

SHEET:
PH105

PROJECT NO.:
 20202946.0003

DATE:
 MAY 2023



LEGEND:

- PROPOSED HAUL ROUTE
- PROPOSED WORK AREA
- TEMPORARY CONSTRUCTION EXIT
- PROPOSED CONTRACTOR STAGING, PORT-A-JOHN, AND TOPSOIL STOCKPILE AREA
- PROPOSED LIGHTED RUNWAY CLOSURE MARKER
- PROPOSED TEMPORARY FENCING
- PROPOSED PERMANENT FENCING

PHASE II SAFETY NOTES:

- RUNWAY 5/23 SHALL BE CLOSED TO AIRCRAFT TRAFFIC DURING PHASE II WORK. THE RUNWAY EDGE LIGHTS ALONG RUNWAY 5/23 SHALL BE DE-ENERGIZED DURING RUNWAY CLOSURES.
- TAXIWAY B SHALL BE PARTIALLY CLOSED, AND TAXIWAY B1 AND B2 SHALL BE FULLY CLOSED, AS SHOWN ON SHEET PH103, VIA UNLIGHTED CLOSURE MARKER, BARRICADES, AND NOTAM PRIOR TO BEGINNING ANY CONSTRUCTION ON PHASE II. THE TAXIWAY EDGE LIGHTS ALONG THE CLOSED SECTION OF TAXIWAY B, TAXIWAY B1 AND TAXIWAY B2 SHALL BE COVERED.
- LIGHTED RUNWAY CLOSURE MARKINGS SHALL BE INSTALLED AT EACH END OF RUNWAY 5/23 ON THE RUNWAY NUMERALS, AS SHOWN ON SHEET PH103, FOR THE ENTIRE DURATION OF PHASE II CONSTRUCTION.
- ALL LOW-PROFILE BARRICADES SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF PHASE II WORK.
- AT LEAST ONE PERSON WITH AN AIRPORT IDENTIFICATION BADGE SHALL BE ON SITE AT ALL TIMES WHEN THE SECURED AREA IS BEING ACCESSED FOR ANY REASON RELATED TO THIS PROJECT.
- PRIOR TO THE START OF PHASE II OF CONSTRUCTION, A NOTICE TO AIR MISSIONS (NOTAM) SHALL BE ISSUED BY THE AIRPORT NOTIFYING AIR MISSIONS OF RUNWAY 5/23 CLOSURE AND TAXIWAY B PARTIAL CLOSURE.
- ALL EQUIPMENT SHALL BE MOVED BY THE CONTRACTOR OUTSIDE OF THE RUNWAY OBJECT FREE AREA AND THE TAXIWAY OBJECT FREE AREA PRIOR TO THE OPENING OF RUNWAY 5/23, TAXIWAY B, TAXIWAY B1, AND TAXIWAY B2. THE CONTRACTOR SHALL WALK RUNWAY 5/23, TAXIWAY B, TAXIWAY B1, AND TAXIWAY B2 TO ENSURE THAT THESE AREAS ARE CLEAR OF ALL DEBRIS AND OBJECTS. AFTER THE CONTRACTOR HAS PROVIDED VERIFICATION THAT ALL AREAS WITHIN THE OBJECT FREE AREAS ARE CLEAR AND READY FOR AIRCRAFT TRAFFIC, THE CONTRACTOR SHALL INFORM THE AIRPORT THAT THE RUNWAY AND TAXIWAY ARE READY TO OPEN. THE AIRPORT SHALL ANNOUNCE THE OPENING TO THE AIR MISSIONS.

PHASE II PHASING NOTES:

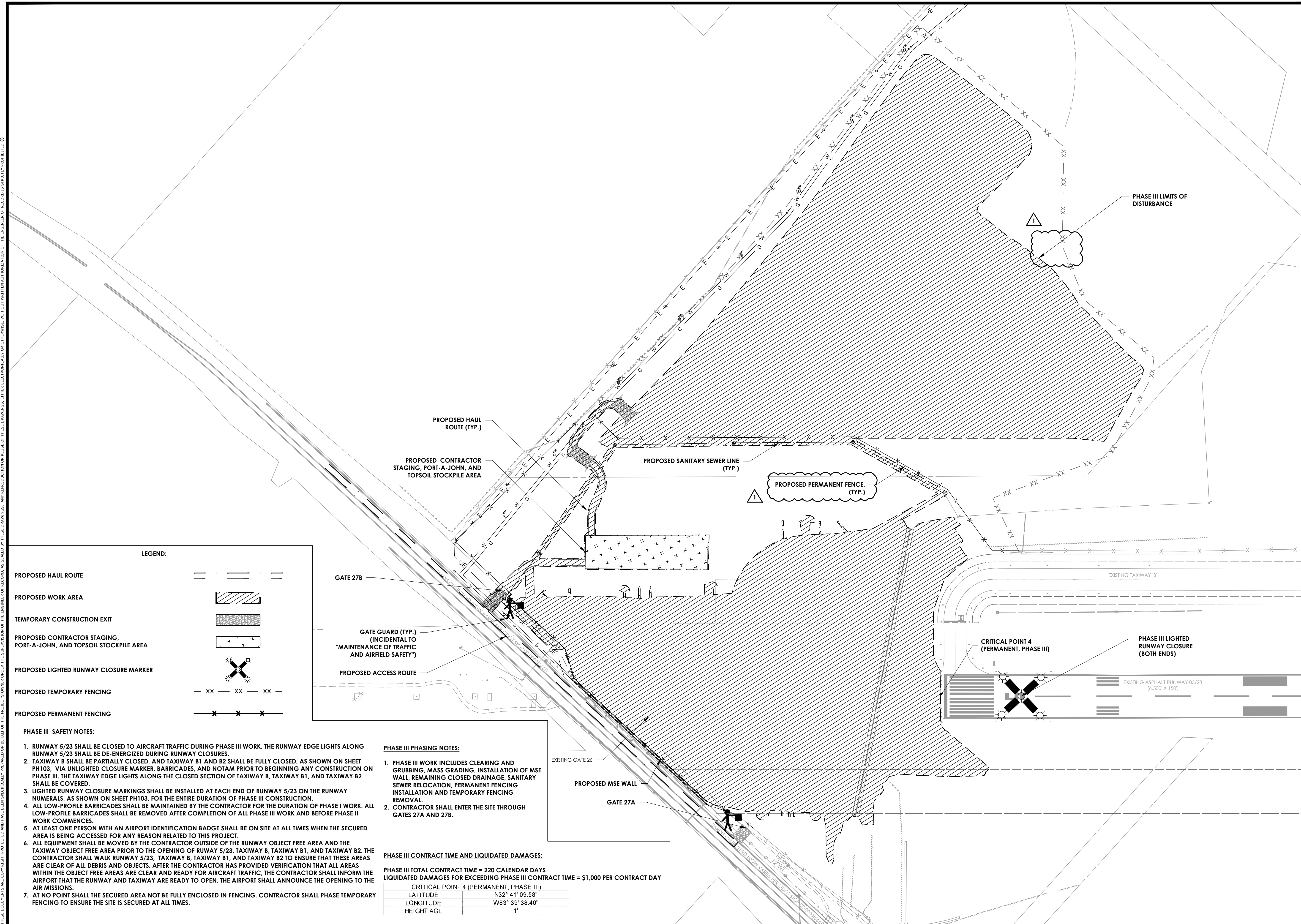
- PHASE II WORK INCLUDES INSTALLATION OF EROSION CONTROL STRUCTURES, RELOCATION OF THE EXISTING WATER LINE, ELECTRIC LINE AND GAS LINE COMPLETE, INSTALLATION OF TEMPORARY SEDIMENT BASIN 1, DIVERSION DITCHES AND STOCKPILE OF THE EXCAVATED MATERIAL AT THE LOCATION SHOWN ON THIS PLAN.
- CONTRACTOR SHALL ENTER THE SITE THROUGH GATES 27A AND 27B.

PHASE II CONTRACT TIME AND LIQUIDATED DAMAGES:

PHASE II TOTAL CONTRACT TIME = 60 CALENDAR DAYS
 LIQUIDATED DAMAGES FOR EXCEEDING PHASE II CONTRACT TIME = \$1,000 PER CONTRACT DAY

CRITICAL POINT 3 (TEMPORARY EQUIPMENT, PHASE II)		
LATITUDE	N32° 41' 07.46"	
LONGITUDE	W83° 39' 47.14"	
HEIGHT AGL	30'	

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LEGEND:

- PROPOSED HAUL ROUTE
- PROPOSED WORK AREA
- TEMPORARY CONSTRUCTION EXIT
- PROPOSED CONTRACTOR STAGING, PORT-A-JOHN, AND TOPSOIL STOCKPILE AREA
- PROPOSED LIGHTED RUNWAY CLOSURE MARKER
- PROPOSED TEMPORARY FENCING
- PROPOSED PERMANENT FENCING

- PHASE III SAFETY NOTES:**
- RUNWAY 5/23 SHALL BE CLOSED TO AIRCRAFT TRAFFIC DURING PHASE III WORK. THE RUNWAY EDGE LIGHTS ALONG RUNWAY 5/23 SHALL BE DE-ENERGIZED DURING RUNWAY CLOSURES.
 - TAXIWAY B SHALL BE PARTIALLY CLOSED, AND TAXIWAY B1 AND B2 SHALL BE FULLY CLOSED, AS SHOWN ON SHEET PH103, VIA UNLIGHTED CLOSURE MARKER, BARRICADES, AND NOTAM PRIOR TO BEGINNING ANY CONSTRUCTION ON PHASE III. THE TAXIWAY EDGE LIGHTS ALONG THE CLOSED SECTION OF TAXIWAY B, TAXIWAY B1, AND TAXIWAY B2 SHALL BE COVERED.
 - LIGHTED RUNWAY CLOSURE MARKINGS SHALL BE INSTALLED AT EACH END OF RUNWAY 5/23 ON THE RUNWAY NUMERALS, AS SHOWN ON SHEET PH103, FOR THE ENTIRE DURATION OF PHASE III CONSTRUCTION.
 - ALL LOW-PROFILE BARRICADES SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF PHASE I WORK. ALL LOW-PROFILE BARRICADES SHALL BE REMOVED AFTER COMPLETION OF ALL PHASE III WORK AND BEFORE PHASE II WORK COMMENCES.
 - AT LEAST ONE PERSON WITH AN AIRPORT IDENTIFICATION BADGE SHALL BE ON SITE AT ALL TIMES WHEN THE SECURED AREA IS BEING ACCESSED FOR ANY REASON RELATED TO THIS PROJECT.
 - ALL EQUIPMENT SHALL BE MOVED BY THE CONTRACTOR OUTSIDE OF THE RUNWAY OBJECT FREE AREA AND THE TAXIWAY OBJECT FREE AREA PRIOR TO THE OPENING OF RUNWAY 5/23, TAXIWAY B, TAXIWAY B1, AND TAXIWAY B2. THE CONTRACTOR SHALL WALK RUNWAY 5/23, TAXIWAY B, TAXIWAY B1, AND TAXIWAY B2 TO ENSURE THAT THESE AREAS ARE CLEAR OF ALL DEBRIS AND OBJECTS. AFTER THE CONTRACTOR HAS PROVIDED VERIFICATION THAT ALL AREAS WITHIN THE OBJECT FREE AREAS ARE CLEAR AND READY FOR AIRCRAFT TRAFFIC, THE CONTRACTOR SHALL INFORM THE AIRPORT THAT THE RUNWAY AND TAXIWAY ARE READY TO OPEN. THE AIRPORT SHALL ANNOUNCE THE OPENING TO THE AIR MISSIONS.
 - AT NO POINT SHALL THE SECURED AREA NOT BE FULLY ENCLOSED IN FENCING. CONTRACTOR SHALL PHASE TEMPORARY FENCING TO ENSURE THE SITE IS SECURED AT ALL TIMES.

PHASE III PHASING NOTES:

- PHASE III WORK INCLUDES CLEARING AND GRUBBING, MASS GRADING, INSTALLATION OF MSE WALL, REMAINING CLOSED DRAINAGE, SANITARY SEWER RELOCATION, PERMANENT FENCING INSTALLATION AND TEMPORARY FENCING REMOVAL.
- CONTRACTOR SHALL ENTER THE SITE THROUGH GATES 27A AND 27B.

PHASE III CONTRACT TIME AND LIQUIDATED DAMAGES:

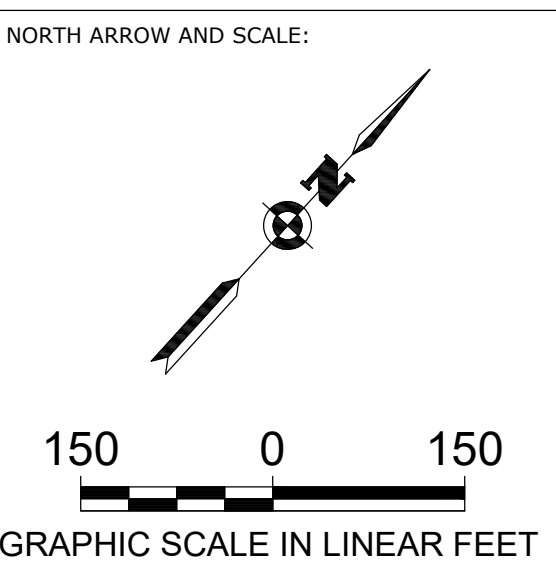
PHASE III TOTAL CONTRACT TIME = 220 CALENDAR DAYS
 LIQUIDATED DAMAGES FOR EXCEEDING PHASE III CONTRACT TIME = \$1,000 PER CONTRACT DAY

CRITICAL POINT 4 (PERMANENT, PHASE III)	
LATITUDE	N32° 41' 09.58"
LONGITUDE	W83° 39' 38.40"
HEIGHT AGL	1'

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 Marietta, GA 30062 Fax: (585) 325-1691
 PRINCIPAL IN CHARGE BRAD WENTE, P.E.
 PROJECT MANAGER STANLEY PRICE, P.E.
 DESIGNED BY TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24
 SUBMITTAL:
BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:



PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
 MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
PHASING PLAN - PHASE III

SHEET:
PH106

PROJECT NO.:
 20202946.0003

DATE:
 MAY 2023



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PRINCIPAL IN CHARGE BRAD WENTE, P.E.
PROJECT MANAGER STANLEY PRICE, P.E.
DESIGNED BY TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24

SUBMITTAL:

**BID DOCUMENTS -
DO NOT USE FOR CONSTRUCTION**

ENGINEER OF RECORD:

NORTH ARROW AND SCALE:

PROJECT:

**BASE BID: GRADING,
DRAINAGE AND
UTILITIES FOR
RUNWAY 5 EXTENSION**

CLIENT:

MACON-BIBB COUNTY



**MIDDLE GEORGIA
REGIONAL AIRPORT (MCN)
MACON-BIBB COUNTY, GEORGIA**

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:

PIPE PROFILES - SHEET 6

SHEET:

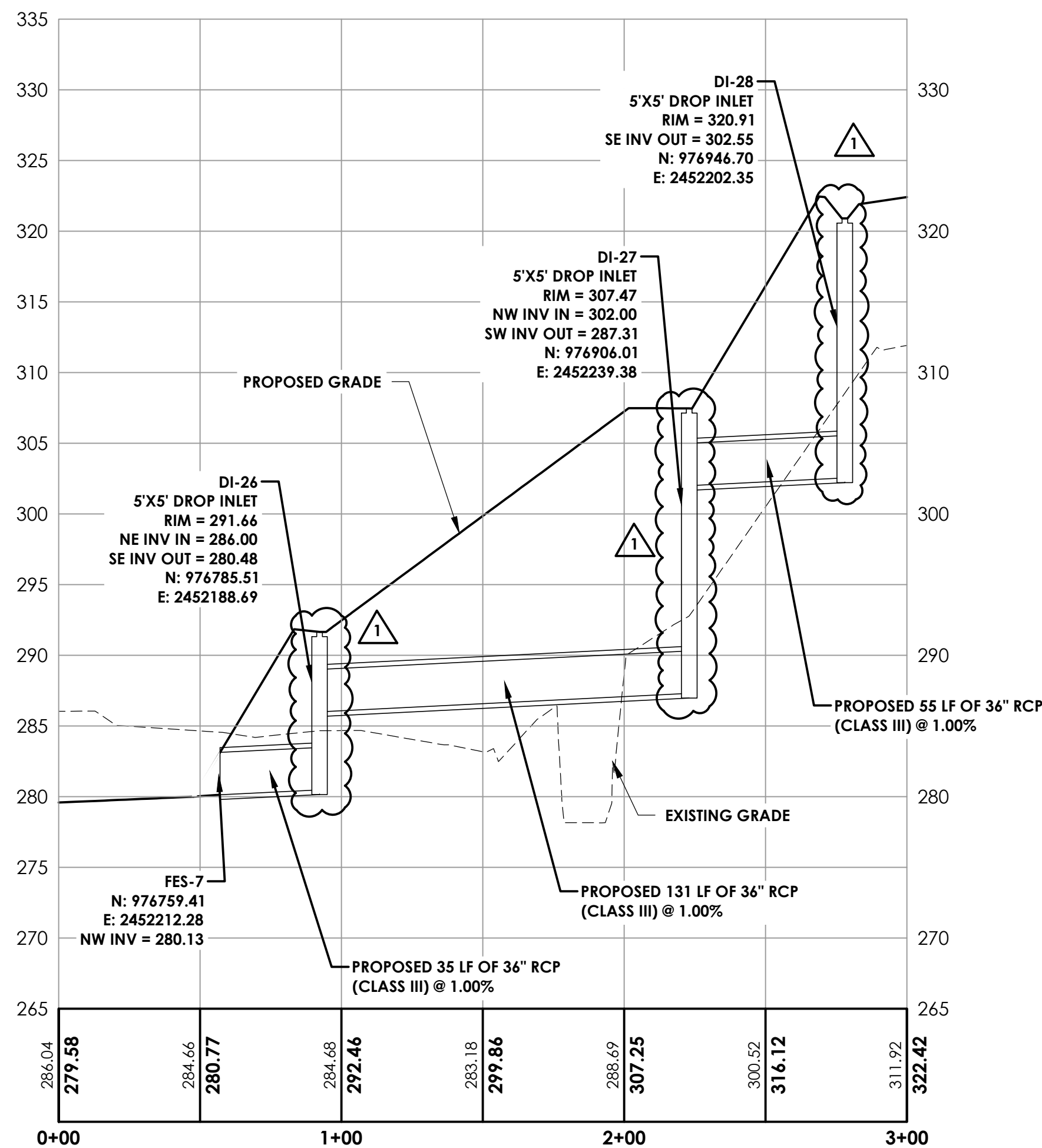
C118

PROJECT NO.:

20202946.0003

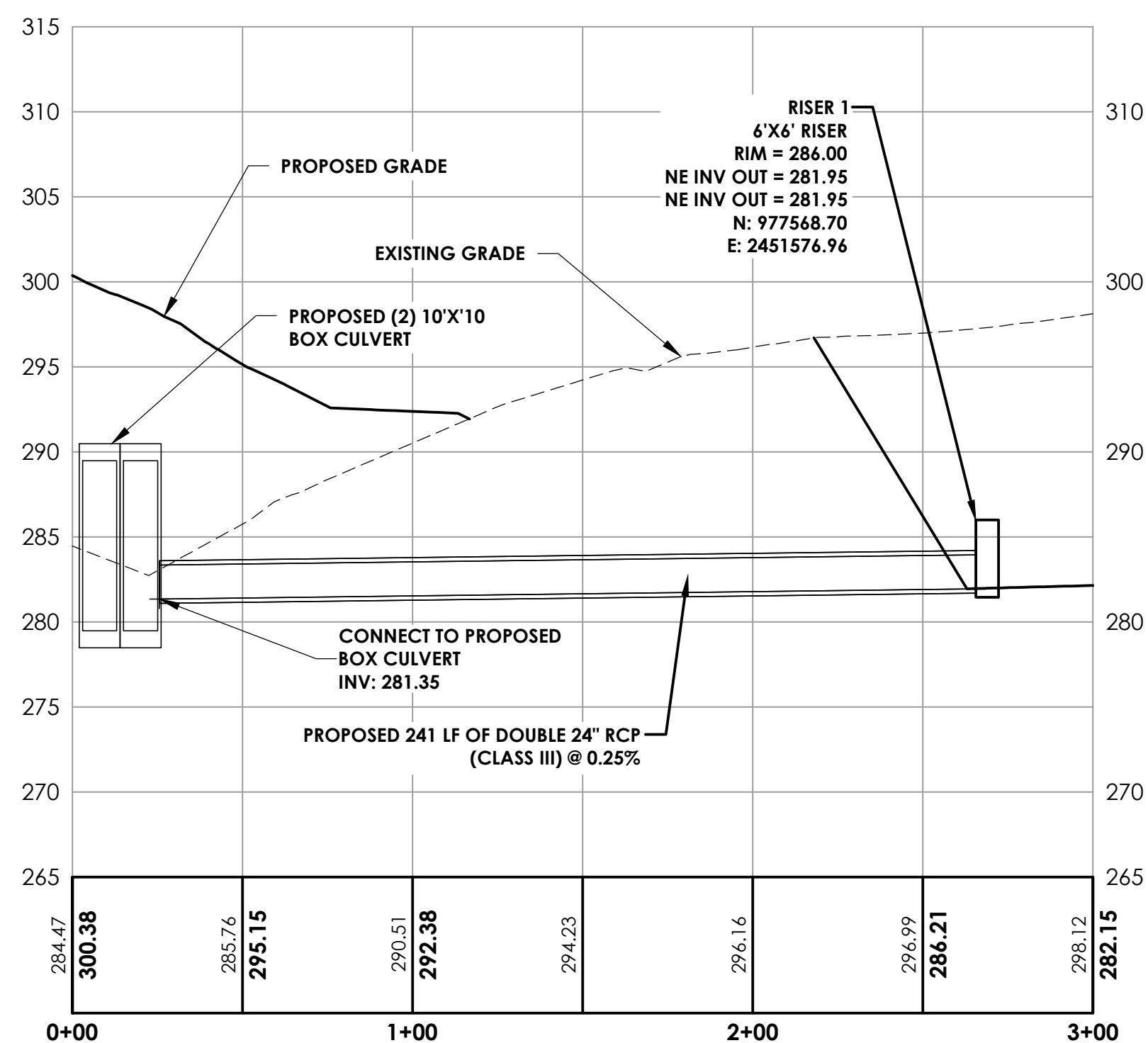
DATE:

MAY 2023



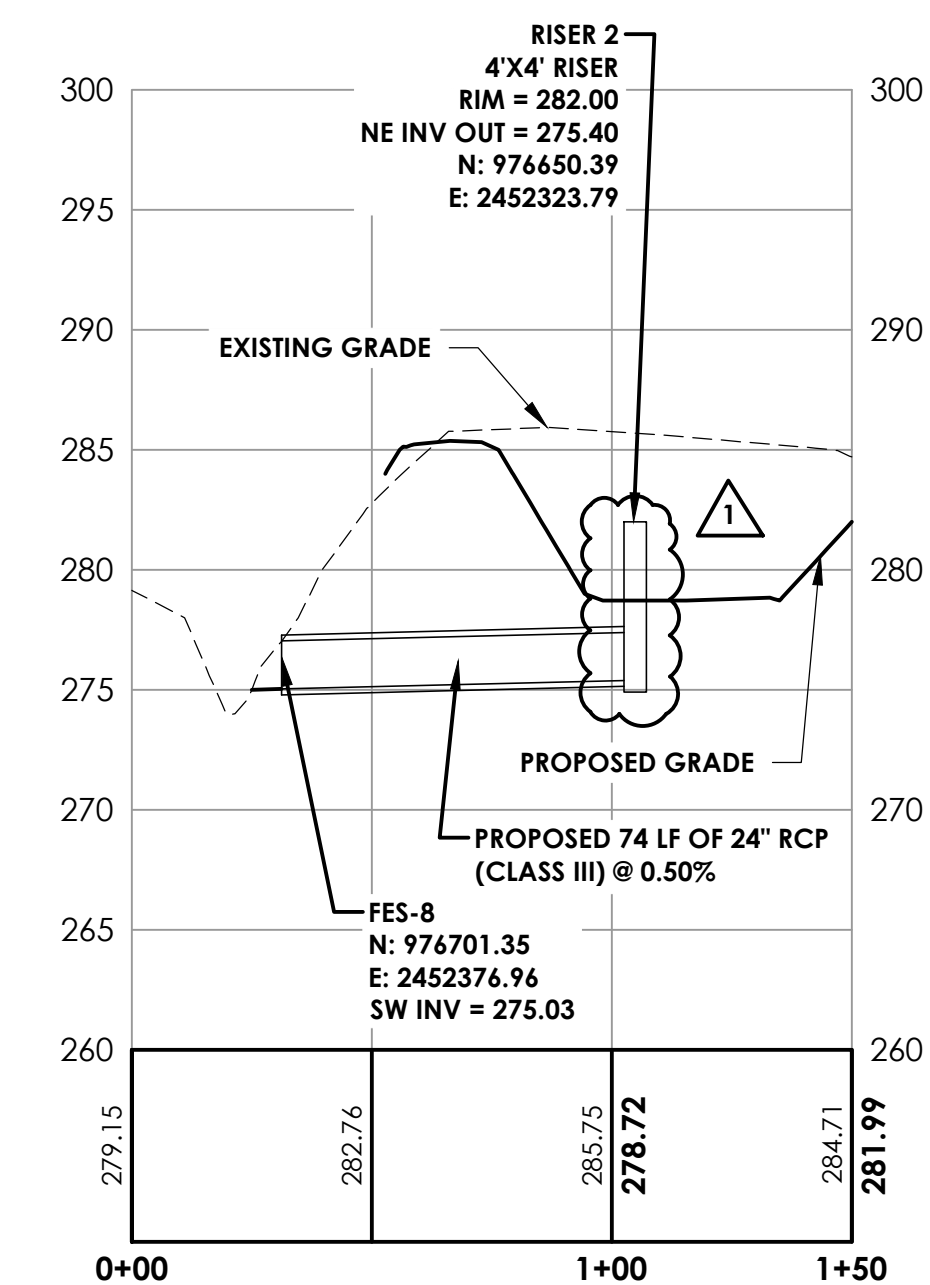
PROPOSED PIPE PROFILE VIEW (FES-7 TO DI-28)

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



PROPOSED PIPE PROFILE VIEW (CULVERT TO RISER 1)

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

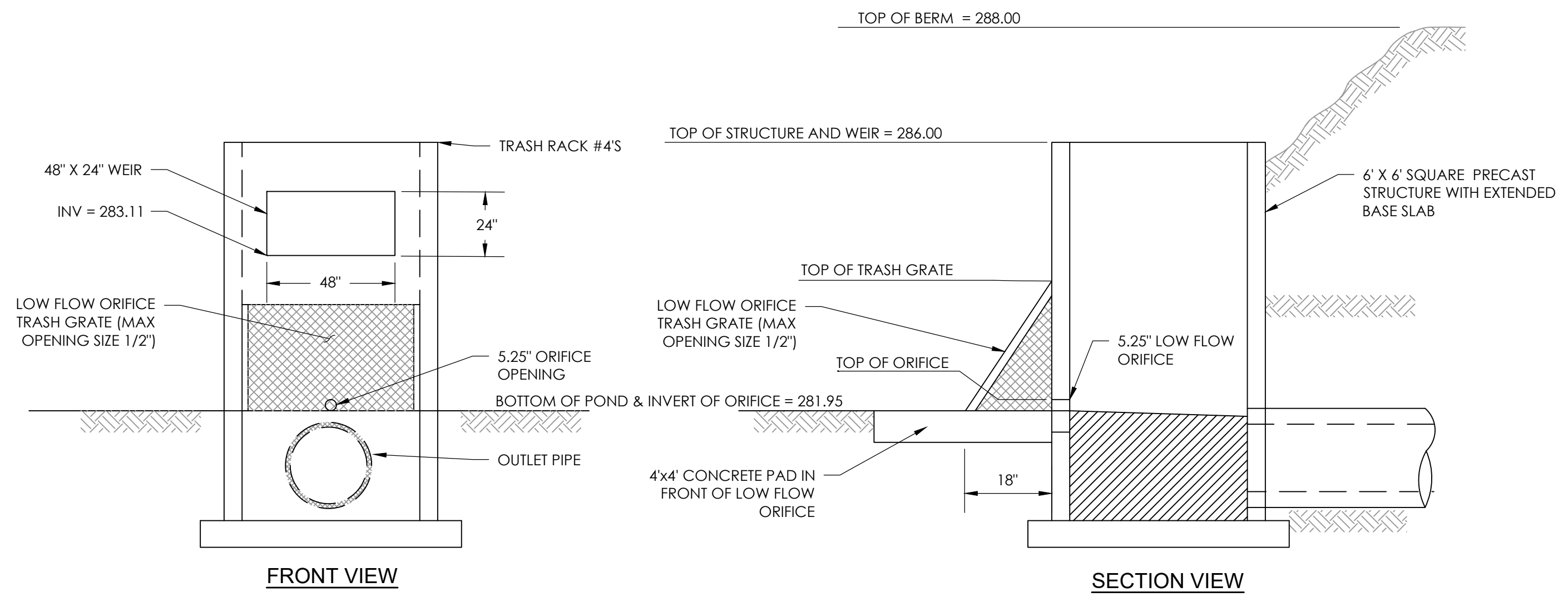
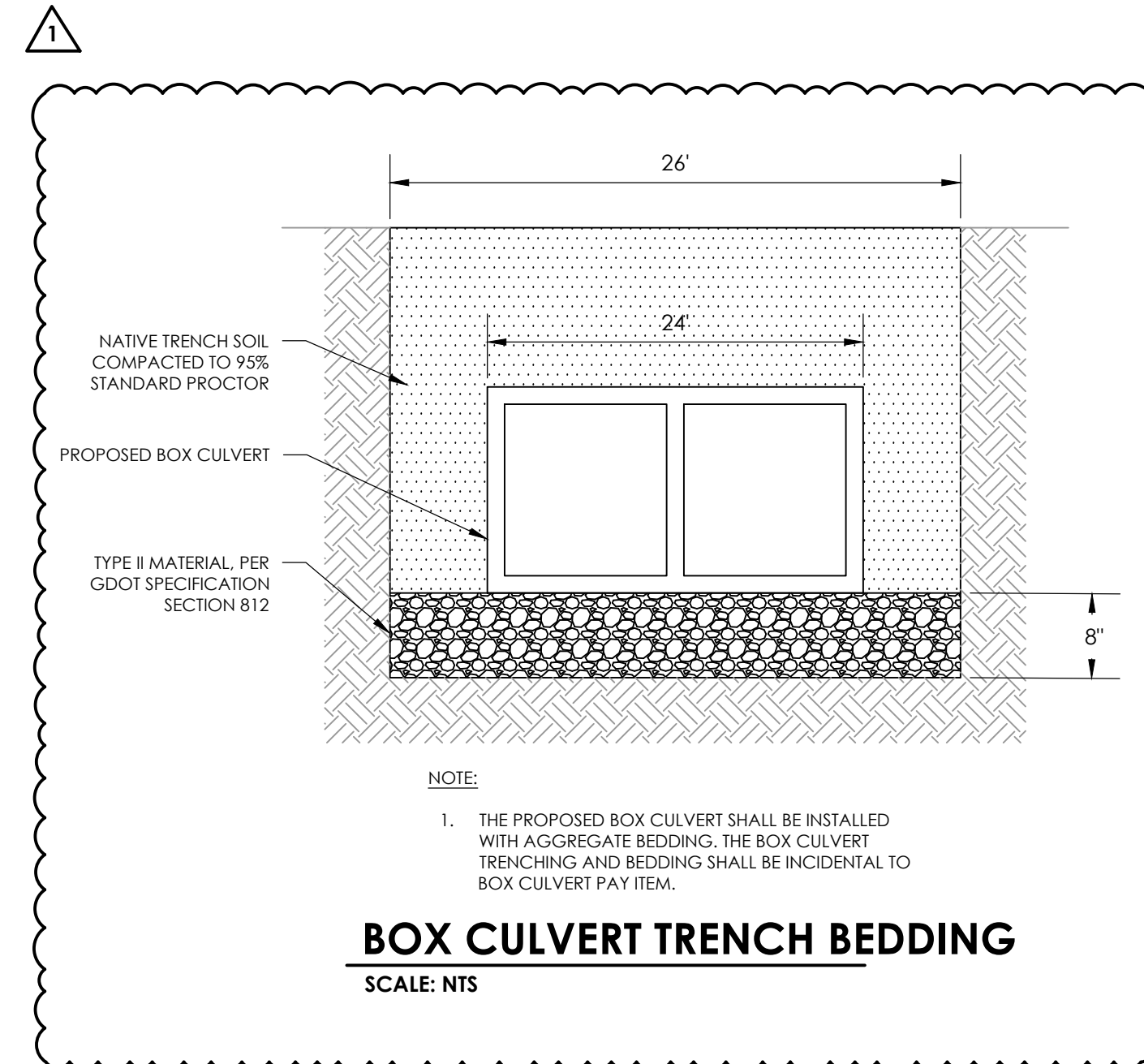
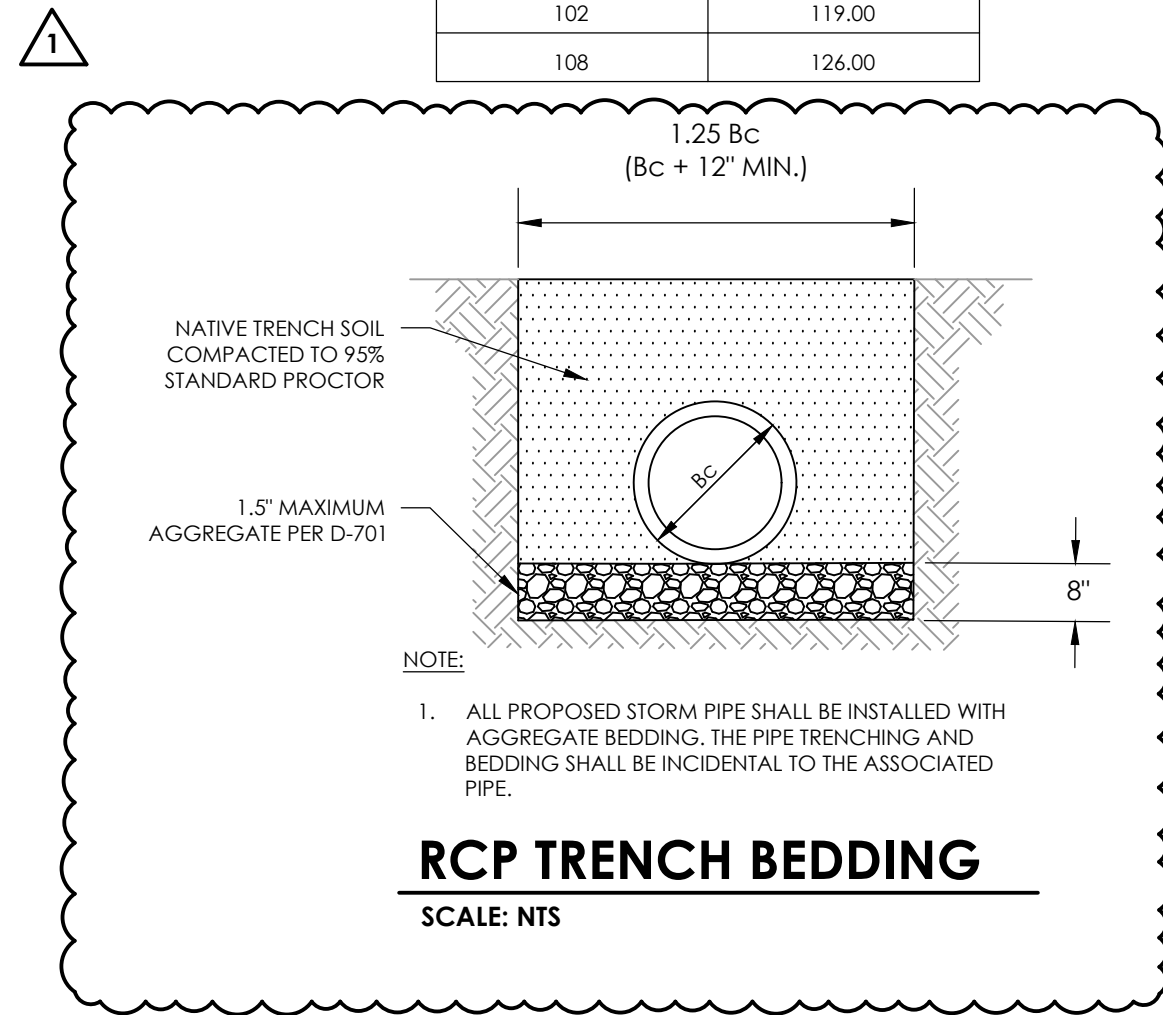


PROPOSED PIPE PROFILE VIEW (FES-8 TO RISER 2)

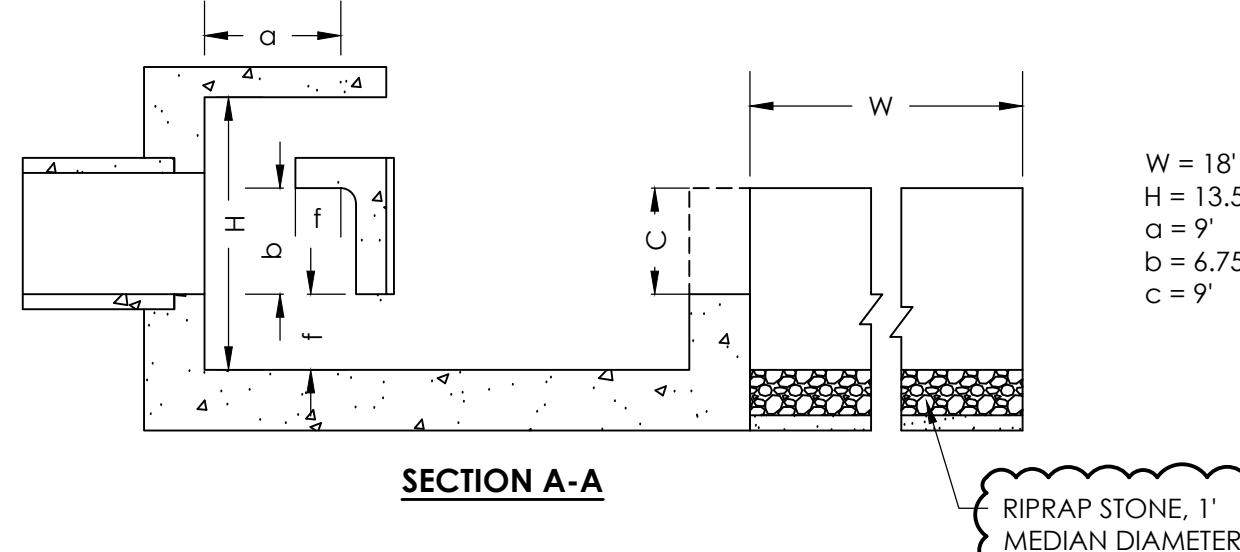
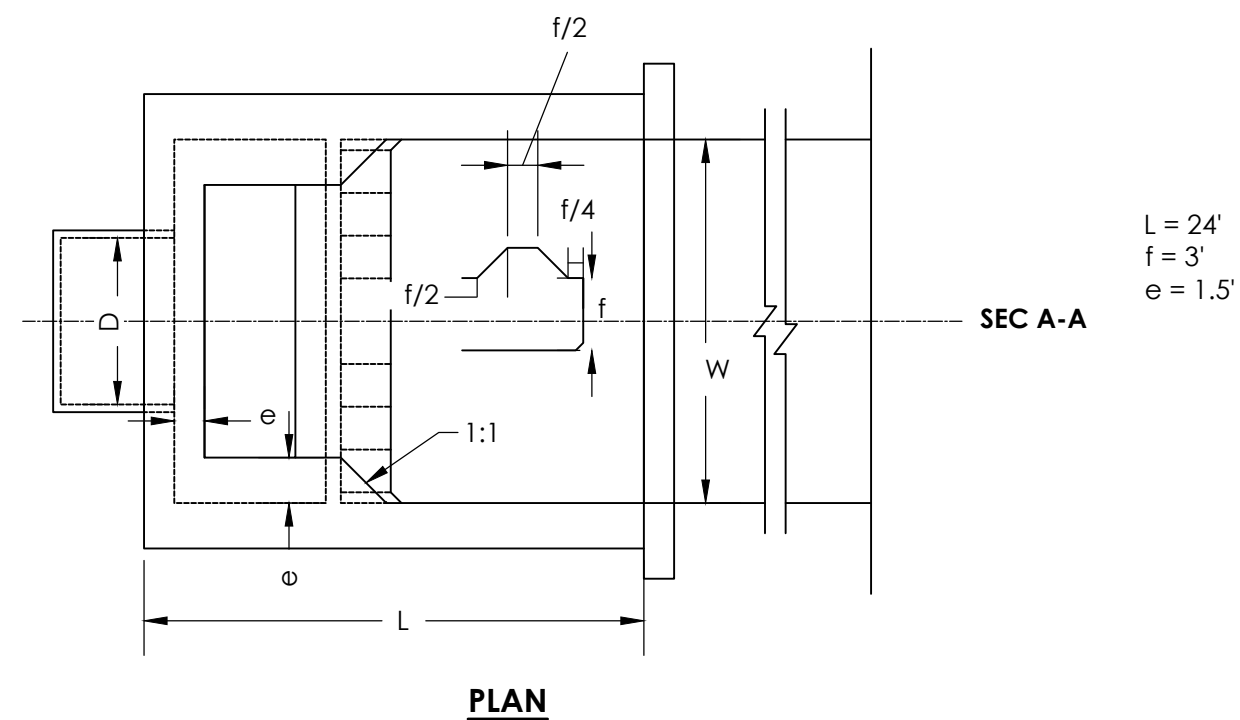
SCALE: HORIZONTAL - 1" = 50'
VERTICAL - 1" = 10'

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PIPE DIA. (INCHES)	Bc (INCHES)
15	18.75
18	22.00
24	29.00
30	35.50
36	42.00
42	49.00
48	56.00
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72	84.00
84	98.00
96	112.00
102	119.00
108	126.00

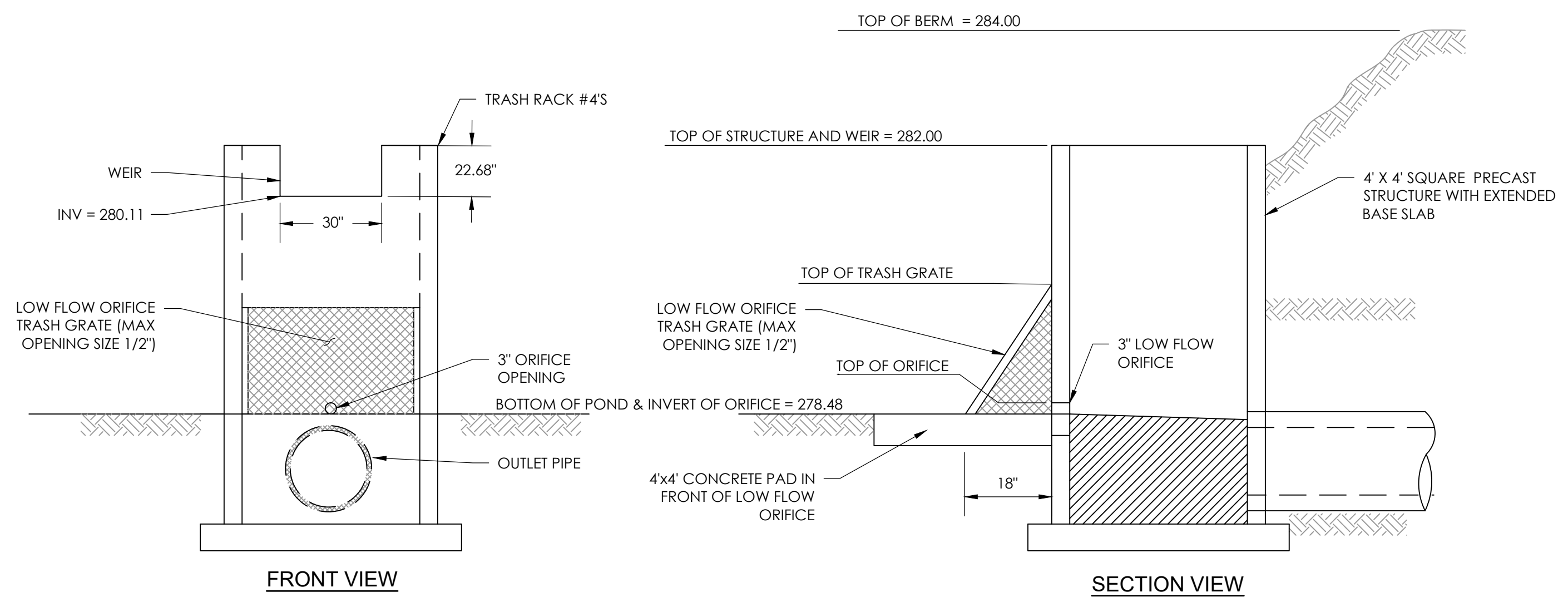


- NOTES:
- ONCE GRADING OPERATIONS ARE COMPLETE AND THE SITE IS STABILIZED REMOVE THE FLOATING SKIMMER AND INSTALL THE WEIR AND LOW FLOW ORIFICE WITH TRASH RACK AS INDICATED. ALL COSTS ASSOCIATED WITH THE CONVERSION OF THE RISER SKIMMER TO A PERMANENT EXTENDED DRY POND RISER SHALL BE INCIDENTAL TO ITS TEMPORARY SEDIMENT BASIN ITEM OF WORK.
 - FASTEN TRASH RACK TO THE RISER STRUCTURE AND CONCRETE PAD IN FRONT OF THE LOW FLOW ORIFICE TO ENSURE COMPLETE SCREENING PROTECTION FOR THE ORIFICE OPENING.



- NOTE:
- ALL COSTS ASSOCIATED WITH THE CONCRETE BAFFLE OUTLET, INCLUDING RIPRAP, SHALL BE INCIDENTAL TO THE "BOX CULVERT HEADWALL WITH CONCRETE BAFFLES" ITEM OF WORK.

CONCRETE BAFFLED OUTLET
SCALE: NTS



- NOTES:
- ONCE GRADING OPERATIONS ARE COMPLETE AND THE SITE IS STABILIZED REMOVE THE FLOATING SKIMMER AND INSTALL THE WEIR AND LOW FLOW ORIFICE WITH TRASH RACK AS INDICATED. ALL COSTS ASSOCIATED WITH THE CONVERSION OF THE RISER SKIMMER TO A PERMANENT EXTENDED DRY POND RISER SHALL BE INCIDENTAL TO ITS TEMPORARY SEDIMENT BASIN ITEM OF WORK.
 - FASTEN TRASH RACK TO THE RISER STRUCTURE AND CONCRETE PAD IN FRONT OF THE LOW FLOW ORIFICE TO ENSURE COMPLETE SCREENING PROTECTION FOR THE ORIFICE OPENING.

PERMANENT EXTENDED DRY POND 2
SCALE: NTS



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PROJECT MANAGER STANLEY PRICE, P.E.
DESIGNED BY TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24

BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:

NORTH ARROW AND SCALE:

BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

PROJECT:

CLIENT:

MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN) MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:

DRAINAGE DETAILS - SHEET 2

SHEET: **C121**

PROJECT NO.: 20202946.0003

DATE: MAY 2023

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GA COA NO.: PEF003273 EXP.: 06/30/24

SUBMITTAL:
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ENGINEER OF RECORD:

NORTH ARROW AND SCALE:

PROJECT:

BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:

MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN) MACON-BIBB COUNTY, GEORGIA

REVISIONS

Table with 3 columns: No., Date, Description. Row 1: 1, 6/23/23, SDP, ADDENDUM NO. 2

SHEET TITLE: DRAINAGE DETAILS - SHEET 3

C122

PROJECT NO.: 20202946.0003

DATE: MAY 2023

Table with 4 columns: STATE (GA.), PROJECT NUMBER, SHEET NO., TOTAL SHEETS

DOUBLE 10'-0" X 9'-0" BOX CULVERT. BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS. Table with 9 columns (DESIGN, 1-8) and 18 rows (BAR A-F, H, J, T1-T3, X, Y, YD3 CLASS AA CONCRETE/FT, LB BAR REINF STEEL/FT).

DOUBLE 10'-0" X 11'-0" BOX CULVERT. BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS. Table with 9 columns (DESIGN, 1-8) and 18 rows (BAR A-F, H, J, T1-T3, X, Y, YD3 CLASS AA CONCRETE/FT, LB BAR REINF STEEL/FT).

DOUBLE 10'-0" X 10'-0" BOX CULVERT. BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS. Table with 9 columns (DESIGN, 1-8) and 18 rows (BAR A-F, H, J, T1-T3, X, Y, YD3 CLASS AA CONCRETE/FT, LB BAR REINF STEEL/FT).

DOUBLE 10'-0" X 12'-0" BOX CULVERT. BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS. Table with 9 columns (DESIGN, 1-8) and 18 rows (BAR A-F, H, J, T1-T3, X, Y, YD3 CLASS AA CONCRETE/FT, LB BAR REINF STEEL/FT).

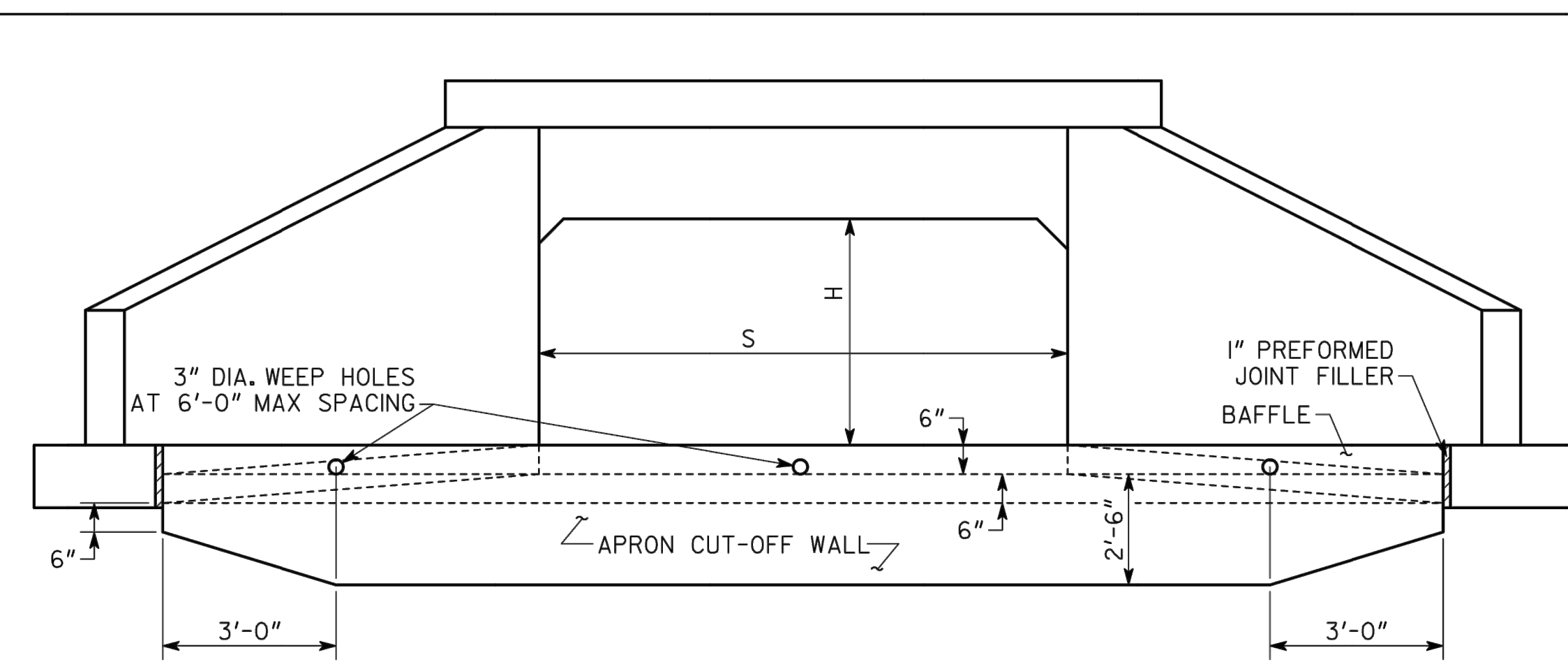
DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA STANDARD REINFORCED CONCRETE DOUBLE BOX CULVERT 10'X9', 10'X10', 10'X11' AND 10'X12' NO SCALE SEPTEMBER 2017

DESIGNER: YSK (SUBMITTED) B.A.H. STATE DESIGN POLICY ENGINEER
DRAWN: FGS (APPROVED) Margaret B. Pusele CHIEF ENGINEER
TRACED: JWB
CHECKED: JWB

NUMBER 2402 SHEET 2-N OF 3

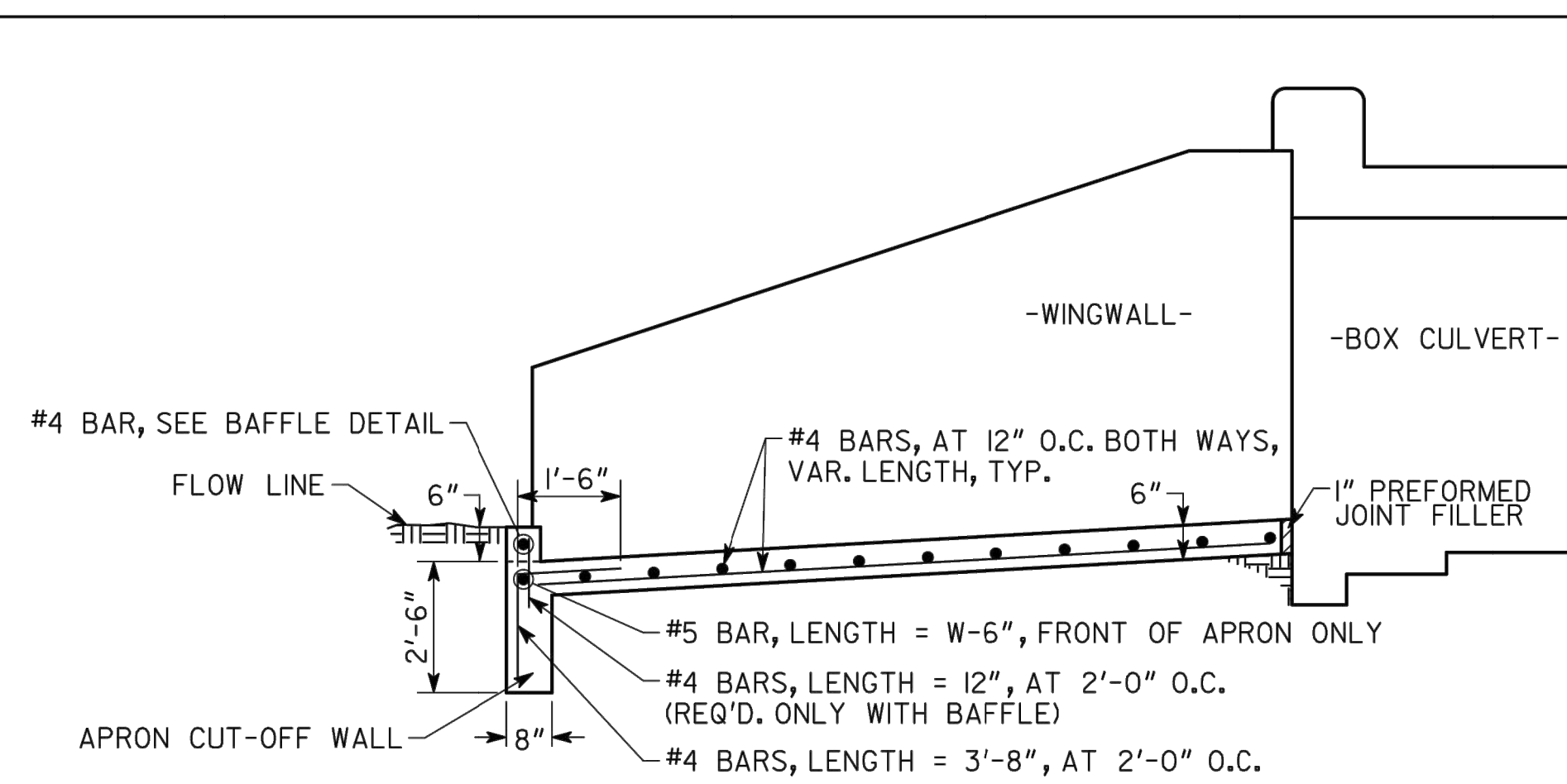
Vertical text on the left margin: I:\Projects\New\2020\20202946\Macon-Bibb County\20202946.0003\01 CAD - Bldg - Modern\Airport\Bldg_20202946\0303_SRF\ALS.dwg Jun-22 2023 6:26am THESE DOCUMENTS ARE COPYRIGHT PROTECTED AND HAVE BEEN SPECIFICALLY PREPARED FOR THE PROJECT'S USER UNDER THE SUPERVISION OF THE ENGINEER OF RECORD. ANY REPRODUCTION OR USE OF THESE DRAWINGS, EITHER ELECTRONICALLY OR OTHERWISE, WITHOUT WRITTEN AUTHORIZATION OF THE ENGINEER OF RECORD IS STRICTLY PROHIBITED.





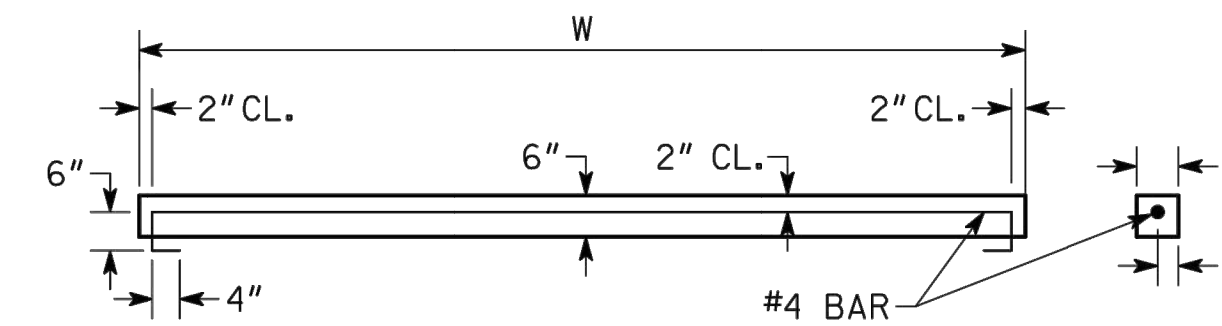
FRONT VIEW OF APRON

S = CLEAR SPAN OF BOX CULVERT
H = CLEAR HEIGHT (RISE) OF BOX CULVERT



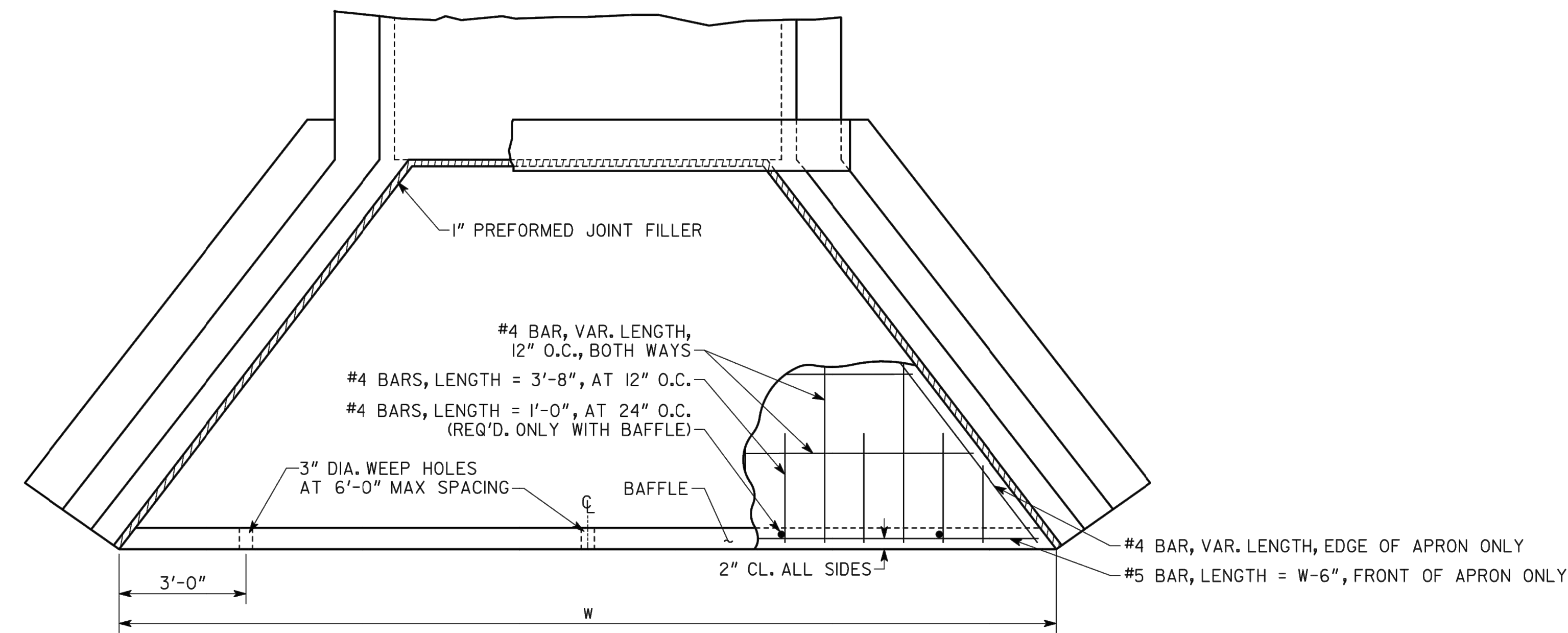
ELEVATION VIEW OF APRON

NOTE: 2" CL. MIN. ON ALL SIDES UNLESS OTHERWISE NOTED.
SEE BOX CULVERT STANDARDS FOR DETAILS NOT SHOWN.
END OF EMBEDDED CULVERT APRON (NOT SHOWN) HAS THE SAME MINIMUM BACKFILL AS BARREL.



BAFFLE DETAIL

NOTE: CONSTRUCT BAFFLES FROM CLASS AA CONCRETE, MAY BE PRECAST OR CAST IN PLACE.
USE BAFFLES ON APRONS AT OUTLETS OF PIPES AND BOX CULVERTS AND IN PAVED DITCHES OR ELSEWHERE AT LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.



PLAN VIEW OF APRON

GENERAL NOTES

- SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION & SUPPLEMENTS THERETO.
- CONCRETE APRONS AND BAFFLES ARE REQUIRED AT ALL OUTLETS OF ALL BOX CULVERT DRAINS. APRON IS NOT TO BE OMITTED AT OUTLETS UNLESS THE ENGINEER DETERMINES THAT BEDROCK WILL PREVENT EROSION AND MAKE THE APRON DIFFICULT TO CONSTRUCT. APRONS (WITHOUT BAFFLES) ARE USED AT INLETS ONLY IF PLANS SPECIFY.
- DETAILS HERESHOWN APPLY TO LRFD STANDARD BOX CULVERTS.
- ALL CONCRETE SHALL BE CLASS "AA" CONCRETE.
- SEE SEPARATE STANDARDS FOR DETAILS OF BOX CULVERTS, WINGWALLS, PARAPETS, ETC.

DESIGN DATA

SPECIFICATIONS - AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION, 2014
LOADING - HL - 93.

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		STANDARD	
		CONCRETE BOX CULVERT APRONS AND BAFFLES DETAIL	
		NO SCALE	SEPTEMBER 2017
BY	DES. WEI. DRAW. EJC. TRA. CHK. EJC.	(SUBMITTED) STATE DESIGN POLICY ENGINEER (APPROVED) <i>Margaret B. Pate</i> CHIEF ENGINEER	NUMBER 2406 SHEET 1 OF 2

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



PASSERO ASSOCIATES

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3855 Shallowford Rd, Suite 310 Marietta, GA 30062
PRINCIPAL IN CHARGE: BRAD WENTE, P.E.
PROJECT MANAGER: STANLEY PRICE, P.E.
DESIGNED BY: TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24

SUBMITTAL:
BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:

NORTH ARROW AND SCALE:

PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
DRAINAGE DETAILS - SHEET 8

SHEET:
C126A

PROJECT NO.:
20202946.0003

DATE:
MAY 2023

I:\Projects\New\2020\20202946\Macon-Bibb County\20202946\0000\01\CAD\Bld - Modish\Apron\Bld_20202946\0003_SDF\PLS.dwg Jun-22, 2023 - 6:46pm
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Engineering Architecture

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PRINCIPAL IN CHARGE PROJECT MANAGER DESIGNED BY

GA COA NO.: PEP003273 EXP.: 06/30/24

BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:

NORTH ARROW AND SCALE:

PROJECT: BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT: MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN) MACON-BIBB COUNTY, GEORGIA

Table with 3 columns: No., Date, Description. Row 1: 1, 6/23/23, ADDENDUM NO. 2

SHEET TITLE: DRAINAGE DETAILS - SHEET 9

C126B

PROJECT NO.: 20202946.0003

DATE: MAY 2023

Table with 4 columns: STATE, PROJECT NUMBER, SHEET NO., TOTAL SHEETS. Values: GA., , ,

APRON QUANTITIES FOR CONCRETE BOX CULVERTS

Main table with columns for apron types (Single, Double, Triple) and angles (90, 75, 60, 45 degrees) and rows for clear spans (4', 5', 6', 7', 8', 9', 10') and clear heights (3', 4', 5', 6', 7', 8', 9', 10', 11', 12').

NOTE: THE QUANTITIES SHOWN ABOVE ARE FOR OUTLET END APRONS WITH BAFFLES. IF APRONS ARE NEEDED AT INLETS (NOT USUAL), REDUCE THE ABOVE QUANTITIES FOR NO. BAFFLES AS FOLLOWS: CONCRETE: REDUCE QUANTITY BY W x 0.0092 CU.YDS./FT. STEEL: REDUCE QUANTITY BY W x 0.334 LBS./LIN.FT.

S = CLEAR SPAN OF BOX CULVERT H = CLEAR HEIGHT (RISE) OF BOX CULVERT

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA STANDARD CONCRETE BOX CULVERT APRONS AND BAFFLES DETAIL NO SCALE SEPTEMBER 2017

DES. WEL. (SUBMITTED) TRA. (APPROVED) CHK. (APPROVED) STATE DESIGN POLICY ENGINEER CHIEF ENGINEER NUMBER 2406 SHEET 2 OF 2

Vertical text on the left margin: 1/1/2023 10:00 AM... THESE DOCUMENTS AND ANY INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF PASSERO ASSOCIATES, INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT WRITTEN PERMISSION OF PASSERO ASSOCIATES, INC.

PHASE I SEDIMENT / EROSION CONTROL NOTES:

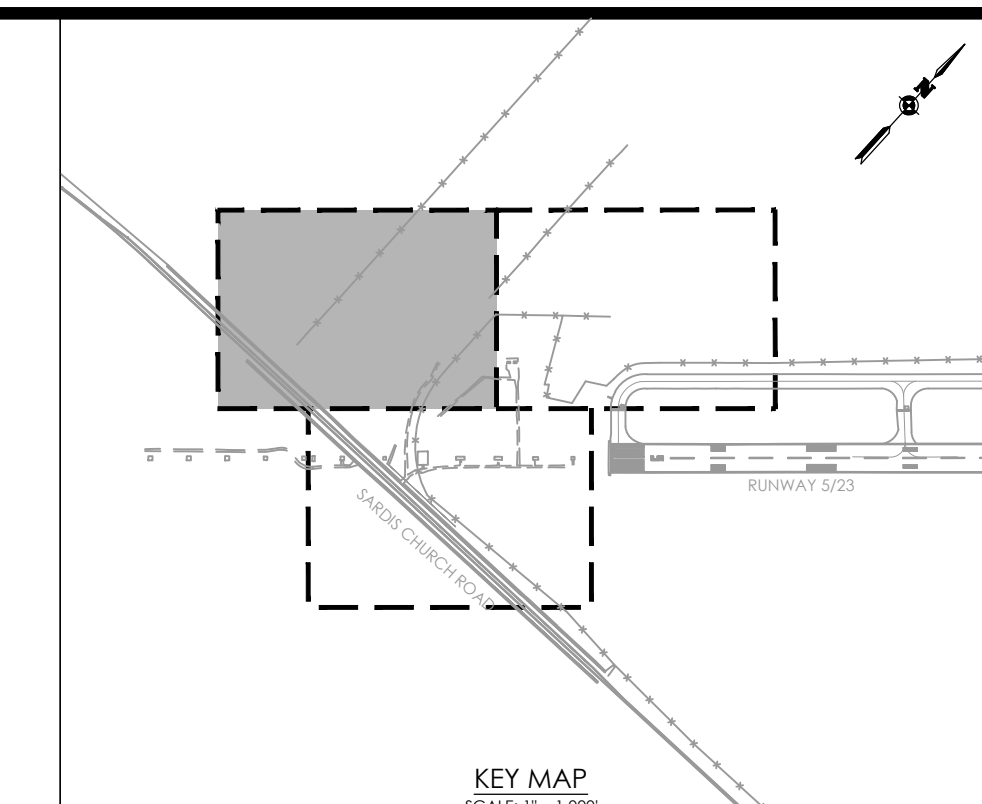
1. BASE BID TOTAL DISTURBED AREA = 75.2 AC
PHASE I DISTURBED AREA = 14.9 AC
2. EROSION CONTROL PRACTICES MUST COMPLY WITH THE STANDARDS AND SPECIFICATIONS IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST VERSION.
3. ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSPECTED PRIOR TO ANY LAND DISTURBANCE OR GRADING ON SITE.
4. REFER TO "REPORT OF GEOTECHNICAL ENGINEERING REPORT" PREPARED BY GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, COMPLETED ON FEBRUARY 10, 2022 FOR INFORMATION REGARDING EXISTING SUBSURFACE CONDITIONS.
5. IN CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5 TO 1 AND WITH HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFER, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL BLANKET.
6. SEED AND MULCH WORK AREA AREAS AS SOON AS SITE IS BROUGHT TO FINAL GRADE. SEEDING OF DISTURBED AREAS SHALL BE ACCOMPLISHED BY HYDRO-SEEDING. LAYING OF STRAW OR HAY WILL NOT BE AN ACCEPTABLE FORM OF MULCHING DUE TO POTENTIAL JET BLASTS.
7. PROPER INSTALLATION OF ALL DRAINAGE STRUCTURES AND SEDIMENT CONTROL DEVICES IS THE RESPONSIBILITY OF THE GENERAL AND/OR GRADING CONTRACTOR. THESE STRUCTURES SHOULD BE CONSTRUCTED OF SUITABLE MATERIALS AND IN ACCORDANCE WITH PROFESSIONAL STANDARDS AND PRACTICES FOR STRUCTURES OF THIS TYPE. THE MEASURES SHOWN ARE RECOMMENDATIONS BASED ON THE INFORMATION PROVIDED. IF AT ANY TIME THESE MEASURES ARE JUDGED TO BE INADEQUATE TO CONTROL SILTATION OR RUNOFF, ADDITIONAL MEASURES SHOULD BE PROVIDED TO INSURE PROPER CONTROL. THE GRADING AND/OR GENERAL CONTRACTOR IS URGED TO CONTACT THE GOVERNING MUNICIPALITY FOR ASSISTANCE IF EITHER THE INSTALLATION OR FUNCTION OF THESE MEASURES IS UNCERTAIN. UNDER NO CIRCUMSTANCE WILL SEDIMENT OR SILT-LADEN RUNOFF BE ALLOWED ONTO ADJACENT PROPERTIES.
8. SEE SHEETS C149 TO C156 FOR EROSION CONTROL DETAILS AND SEDIMENT STORAGE CALCULATIONS.
9. SEE SHEET C157 FOR EROSION CONTROL BMP LEGEND.
10. SEE SHEETS C102 TO C105 FOR DEMOLITION AND CLEARING AND GRUBBING LIMITS. CONTRACTOR SHALL FOLLOW THE MAINTENANCE OF TRAFFIC REQUIREMENTS FOR GDOT WHILE WORKING INSIDE THE RIGHT OF WAY FOR SARDIS CHURCH ROAD. SEE SHEETS C181 TO C183 FOR DETAILS.
11. SEE SHEETS C113 TO C119 FOR PIPE PROFILES THAT INCLUDE STRUCTURE LOCATIONS AND PIPE INVERTS.

PHASE I SEQUENCE OF CONSTRUCTION ACTIVITY:

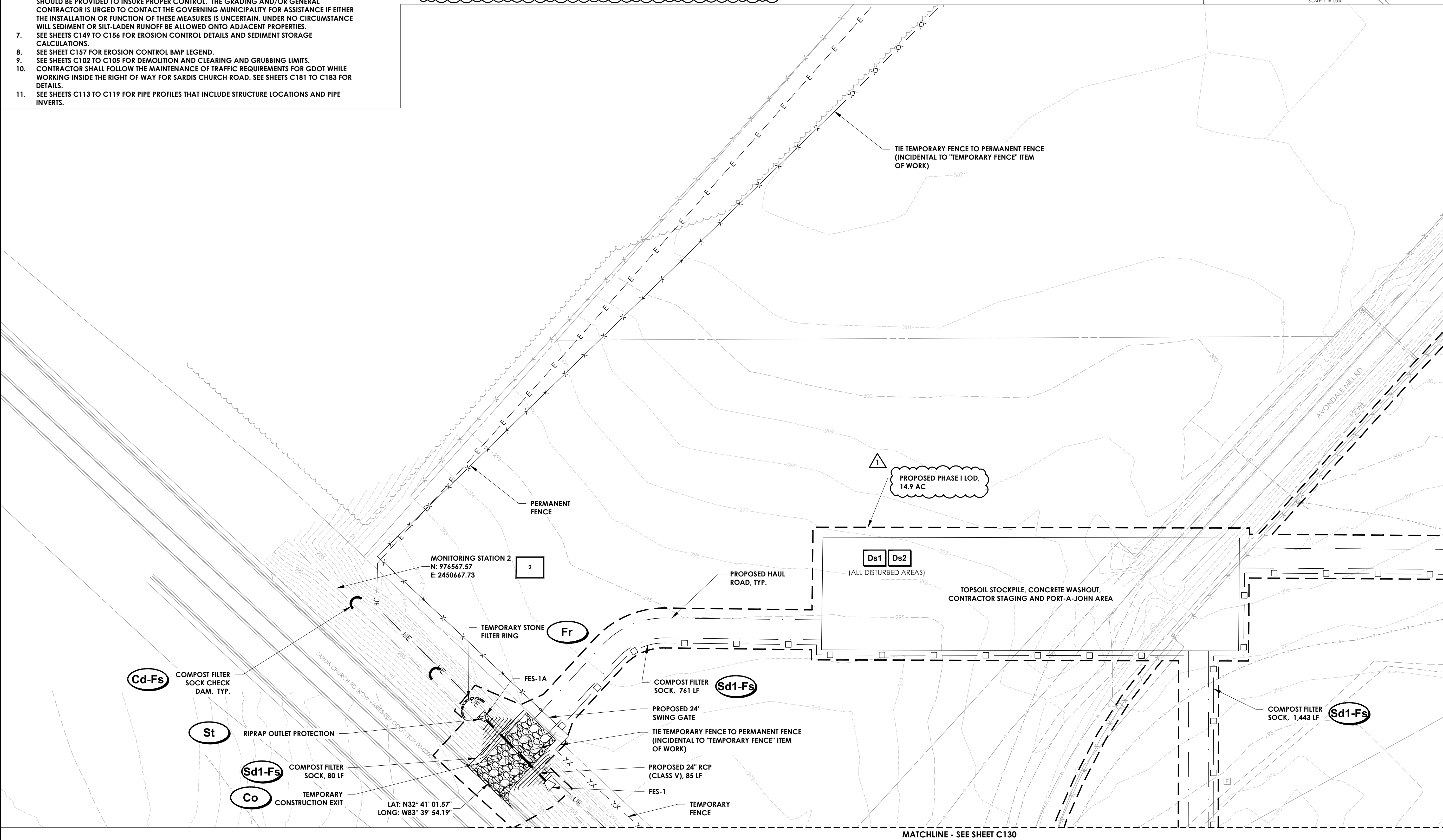
1. OBTAIN APPROVAL FROM MACON-BIBB COUNTY FOR THIS PHASE AND NOTIFY MACON-BIBB COUNTY 48 HOURS PRIOR TO BEGINNING THE LAND DISTURBANCE ACTIVITY.
2. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE.
3. INSTALL TEMPORARY CONSTRUCTION EXITS, INCLUDING ALL ASSOCIATED CULVERTS UNDER THE CONSTRUCTION EXITS AS SHOWN IN THIS PHASE.
4. INSTALL PERMANENT 24' SWING GATE (27A).
5. INSTALL TEMPORARY FENCE AND 24' SWING GATE (27B). SEE C172 FOR TEMPORARY FENCING LAYOUT.
6. REMOVE EXISTING FENCE.
7. INSTALL TEMPORARY COMPOST FILTER SOCK, CHECK DAMS, INLET PROTECTION AND STONE FILTER RINGS.
8. INSTALL PROPOSED CULVERT AND HEADWALLS, ENSURING THAT ECHECONNIE CREEK TRIBUTARY 1 STREAMBED REMAINS UNDISTURBED.
9. REMOVE CLOSED DRAINAGE AND INSTALL NEW STORM LINE (TO HW-1).
10. ONCE THE PROPOSED CULVERT AND HEADWALLS ARE INSTALLED, CONTRACTOR SHALL DIVERT THE TRIBUTARY AND INSTALLED THE RELOCATED STREAM INTO THE PROPOSED CULVERT.
11. REMOVE AND BACKFILL THE EXISTING CMP CULVERT AND INSTALL TEMPORARY DOWNDRAIN.
12. EXCAVATE AND INSTALL PARTIAL TEMPORARY SKIMMER BASIN 1 AND TEMPORARY SKIMMER BASIN 2 AND USE EXCAVATED MATERIAL TO BACKFILL THE TRENCH FOR THE CMP CULVERT REMOVAL TO PRE-CONSTRUCTION GRADE AND TO COVER THE PROPOSED CULVERT, AS SHOWN IN THIS PHASE OF WORK.
13. THE LOD SHOWN ON THIS PHASE IS PROVIDED TO ACCOUNT FOR A 10' WIDE OVER EXCAVATION OF THE PROPOSED CULVERT INSTALLATION AND EXISTING CMP REMOVAL WITH A 2.5:1 SIDE SLOPE.

GRADING NOTES:

1. TOPSOIL WITHIN THE GRADING AREA SHALL BE STRIPPED 6" AND PLACED AT THE TEMPORARY STOCKPILE SHOWN. THERE WILL BE NO SEPARATE PAYMENT FOR RE-HANDLING TOPSOIL. ALL WORK ASSOCIATED WITH TOPSOIL STRIPPING, STOCKPILING AND FINAL PLACEMENT SHALL BE PAID FOR UNDER THE "TOPSOIL STRIPPING (ON-SITE STRIPPING AND FINAL PLACEMENT)" ITEM OF WORK.
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3. SUBGRADE MATERIAL FOUND TO BE UNSUITABLE SHALL BE REMOVED AT THE DIRECTION OF THE ENGINEER. PAYMENT FOR REMOVAL AND BACKFILL OF UNSUITABLE MATERIAL SHALL BE MADE UNDER THE "UNSUITABLE EXCAVATION" ITEM OF WORK. REMOVED UNSUITABLE MATERIAL SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND PAID FOR UNDER THE "EMBANKMENT IN PLACE (ONSITE BORROW) PLACED AND COMPACTED, COMPLETE" ITEM OF WORK.
4. UNDERCUT GEOGRID SHALL BE TENSAR BX 1100 OR APPROVED EQUAL AND INSTALLED AS DIRECTED BY ENGINEER.
5. ALL UNSUITABLE EXCAVATION MATERIAL SHALL BE DISPOSED OF OFF AIRPORT PROPERTY.



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 Marietta, GA 30062 Fax: (585) 325-1691
 PRINCIPAL IN CHARGE BRAD WENTE, P.E.
 PROJECT MANAGER STANLEY PRICE, P.E.
 DESIGNED BY TJ COLLINS, P.E.

GA COA NO.: PE003273 EXP.: 06/30/24
 SUBMITTAL:
BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:
 NORTH ARROW AND SCALE:

 GRAPHIC SCALE IN LINEAR FEET

PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



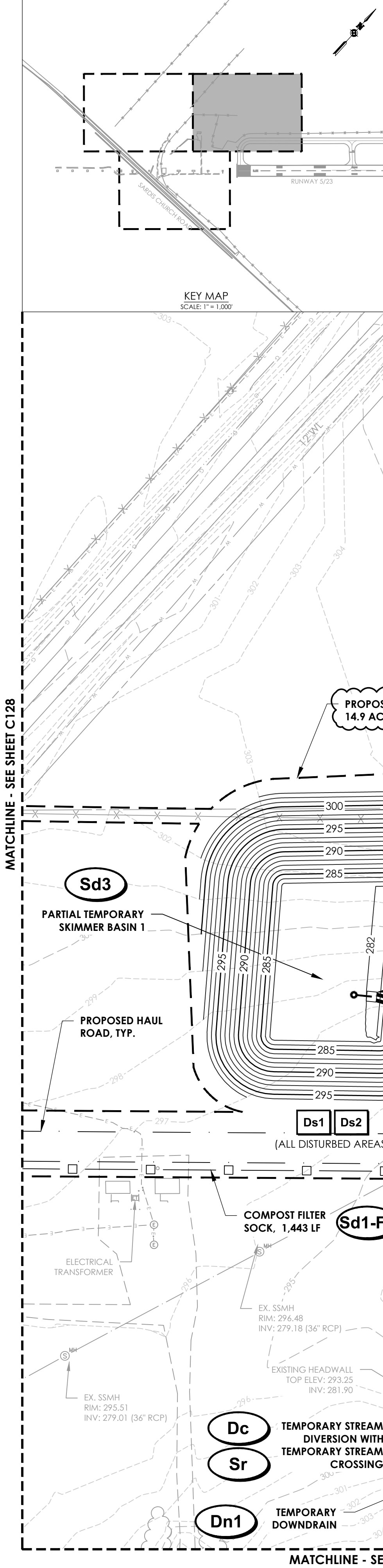
MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
 MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
PHASE I GRADING, DRAINAGE AND EROSION CONTROL - SHEET 1
 SHEET:
C128
 PROJECT NO.:
 20202946.0003
 DATE:
 MAY 2023

\P:\projects\New\2020\2020946\macon-bibb-county\2020946-0003\01-CAD-01-BW-1\mads\mads\03-STREAM-CROSSING.dwg 5/17/23 4:28pm
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- PHASE I SEDIMENT / EROSION CONTROL NOTES:**
1. BASE BID TOTAL DISTURBED AREA = 75.2 AC (PHASE I DISTURBED AREA = 14.9 AC)
 2. EROSION CONTROL PRACTICES MUST COMPLY WITH THE STANDARDS AND SPECIFICATIONS IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST VERSION.
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 8. SEE SHEETS C149 TO C156 FOR EROSION CONTROL DETAILS AND SEDIMENT STORAGE CALCULATIONS.
 9. SEE SHEET C157 FOR EROSION CONTROL BMP LEGEND.
 10. SEE SHEETS C102 TO C105 FOR DEMOLITION AND CLEARING AND GRUBBING LIMITS.
 11. CONTRACTOR SHALL FOLLOW THE MAINTENANCE OF TRAFFIC REQUIREMENTS FOR GDOT WHILE WORKING INSIDE THE RIGHT OF WAY FOR SARDIS CHURCH ROAD. SEE SHEETS C181 TO C183 FOR DETAILS.
 12. SEE SHEETS C113 TO C119 FOR PIPE PROFILES THAT INCLUDE STRUCTURE LOCATIONS AND PIPE INVERTS.

- PHASE I SEQUENCE OF CONSTRUCTION ACTIVITY:**
1. OBTAIN APPROVAL FROM MACON-BIBB COUNTY FOR THIS PHASE AND NOTIFY MACON-BIBB COUNTY 48 HOURS PRIOR TO BEGINNING THE LAND DISTURBANCE ACTIVITY.
 2. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE.
 3. INSTALL TEMPORARY CONSTRUCTION EXITS, INCLUDING ALL ASSOCIATED CULVERTS UNDER THE CONSTRUCTION EXITS AS SHOWN IN THIS PHASE.
 4. INSTALL PERMANENT 24" SWING GATE (27A).
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 8. INSTALL PROPOSED CULVERT AND HEADWALLS, ENSURING THAT ECHECONNEE CREEK TRIBUTARY 1 STREAMBED REMAINS UNDISTURBED.
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 11. REMOVE AND BACKFILL THE EXISTING CMP CULVERT AND INSTALL TEMPORARY DOWNDRAIN.
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 13. THE LOD SHOWN ON THIS PHASE IS PROVIDED TO ACCOUNT FOR A 10' WIDE OVER EXCAVATION OF THE PROPOSED CULVERT INSTALLATION AND EXISTING CMP REMOVAL WITH A 2.5:1 SIDE SLOPE.

- GRADING NOTES:**
1. TOPSOIL WITHIN THE GRADING AREA SHALL BE STRIPPED 6" AND PLACED AT THE TEMPORARY STOCKPILE SHOWN. THERE WILL BE NO SEPARATE PAYMENT FOR RE-HANDLING TOPSOIL. ALL WORK ASSOCIATED WITH TOPSOIL STRIPPING, STOCKPILING AND FINAL PLACEMENT SHALL BE PAID FOR UNDER THE "TOPSOIL STRIPPING (ON-SITE STRIPPING AND FINAL PLACEMENT)" ITEM OF WORK.
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BRAD WENTE, P.E.
STANLEY PRICE, P.E.
TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24

BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:

NORTH ARROW AND SCALE:

50 0 50
GRAPHIC SCALE IN LINEAR FEET

PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY

MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
PHASE I GRADING, DRAINAGE AND EROSION CONTROL - SHEET 2

SHEET:
C129

PROJECT NO.:
20202946.0003

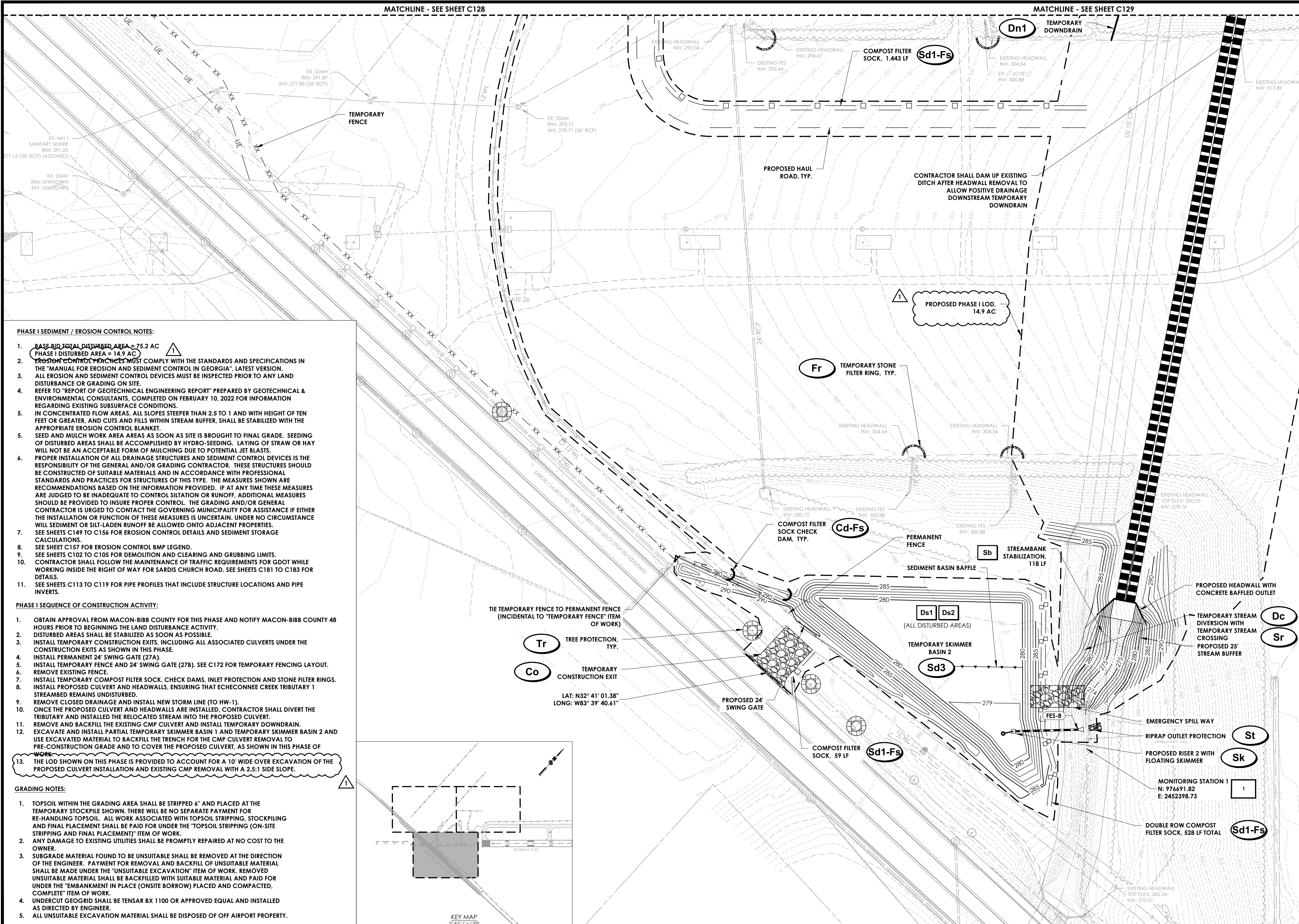
DATE:
MAY 2023

MATCHLINE - SEE SHEET C128

MATCHLINE - SEE SHEET C130

MATCHLINE - SEE SHEET C128

MATCHLINE - SEE SHEET C129



PHASE I SEDIMENT / EROSION CONTROL NOTES:

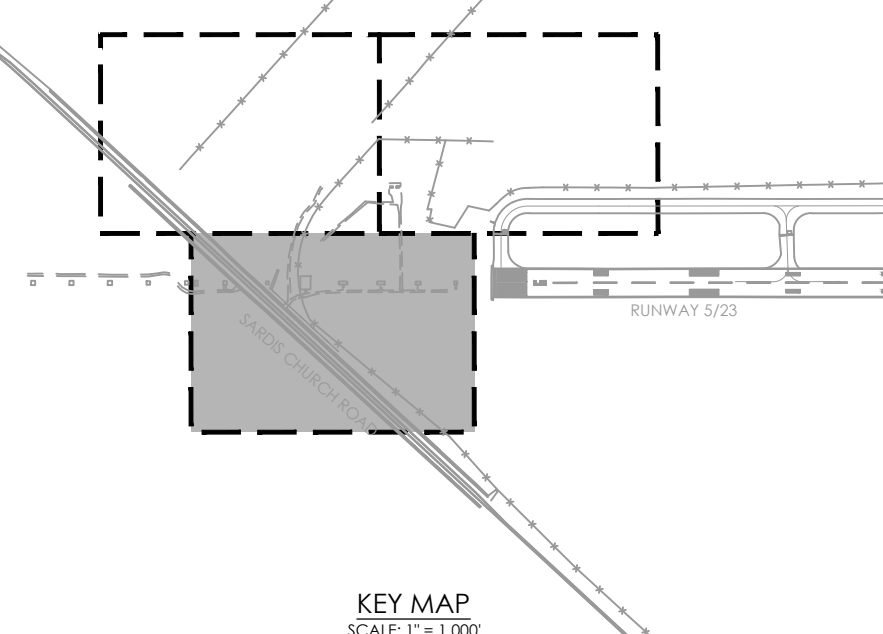
1. BASE BID TOTAL DISTURBED AREA = 75.2 AC
PHASE I DISTURBED AREA = 14.9 AC
2. EROSION CONTROL PRACTICES MUST COMPLY WITH THE STANDARDS AND SPECIFICATIONS IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST VERSION. ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSPECTED PRIOR TO ANY LAND DISTURBANCE OR GRADING ON SITE.
3. REFER TO "REPORT OF GEOTECHNICAL ENGINEERING REPORT" PREPARED BY GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, COMPLETED ON FEBRUARY 10, 2022 FOR INFORMATION REGARDING EXISTING SUBSURFACE CONDITIONS.
4. IN CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5 TO 1 AND WITH HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFER, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL BLANKET.
5. SEED AND MULCH WORK AREA AREAS AS SOON AS SITE IS BROUGHT TO FINAL GRADE. SEEDING OF DISTURBED AREAS SHALL BE ACCOMPLISHED BY HYDRO-SEEDING. LAYING OF STRAW OR HAY WILL NOT BE AN ACCEPTABLE FORM OF MULCHING DUE TO POTENTIAL JET BLASTS.
6. PROPER INSTALLATION OF ALL DRAINAGE STRUCTURES AND SEDIMENT CONTROL DEVICES IS THE RESPONSIBILITY OF THE GENERAL AND/OR GRADING CONTRACTOR. THESE STRUCTURES SHOULD BE CONSTRUCTED OF SUITABLE MATERIALS AND IN ACCORDANCE WITH PROFESSIONAL STANDARDS AND PRACTICES FOR STRUCTURES OF THIS TYPE. THE MEASURES SHOWN ARE RECOMMENDATIONS BASED ON THE INFORMATION PROVIDED. IF AT ANY TIME THESE MEASURES ARE JUDGED TO BE INADEQUATE TO CONTROL SILTATION OR RUNOFF, ADDITIONAL MEASURES SHOULD BE PROVIDED TO INSURE PROPER CONTROL. THE GRADING AND/OR GENERAL CONTRACTOR IS URGED TO CONTACT THE GOVERNING MUNICIPALITY FOR ASSISTANCE IF EITHER THE INSTALLATION OR FUNCTION OF THESE MEASURES IS UNCERTAIN. UNDER NO CIRCUMSTANCE WILL SEDIMENT OR SILT-LADEN RUNOFF BE ALLOWED ONTO ADJACENT PROPERTIES.
7. SEE SHEETS C149 TO C156 FOR EROSION CONTROL DETAILS AND SEDIMENT STORAGE CALCULATIONS.
8. SEE SHEET C157 FOR EROSION CONTROL BMP LEGEND.
9. SEE SHEETS C102 TO C105 FOR DEMOLITION AND CLEARING AND GRUBBING LIMITS.
10. CONTRACTOR SHALL FOLLOW THE MAINTENANCE OF TRAFFIC REQUIREMENTS FOR GDOT WHILE WORKING INSIDE THE RIGHT OF WAY FOR SARDIS CHURCH ROAD. SEE SHEETS C181 TO C183 FOR DETAILS.
11. SEE SHEETS C113 TO C119 FOR PIPE PROFILES THAT INCLUDE STRUCTURE LOCATIONS AND PIPE INVERTS.

PHASE I SEQUENCE OF CONSTRUCTION ACTIVITY:

1. OBTAIN APPROVAL FROM MACON-BIBB COUNTY FOR THIS PHASE AND NOTIFY MACON-BIBB COUNTY 48 HOURS PRIOR TO BEGINNING THE LAND DISTURBANCE ACTIVITY.
2. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE.
3. INSTALL TEMPORARY CONSTRUCTION EXITS, INCLUDING ALL ASSOCIATED CULVERTS UNDER THE CONSTRUCTION EXITS AS SHOWN IN THIS PHASE.
4. INSTALL PERMANENT 24' SWING GATE (27A).
5. INSTALL TEMPORARY FENCE AND 24' SWING GATE (27B). SEE C172 FOR TEMPORARY FENCING LAYOUT.
6. REMOVE EXISTING FENCE.
7. INSTALL TEMPORARY COMPOST FILTER SOCK, CHECK DAMS, INLET PROTECTION AND STONE FILTER RINGS.
8. INSTALL PROPOSED CULVERT AND HEADWALLS, ENSURING THAT ECHECONNREE CREEK TRIBUTARY 1 STREAMBED REMAINS UNDISTURBED.
9. REMOVE CLOSED DRAINAGE AND INSTALL NEW STORM LINE (TO HW-1).
10. ONCE THE PROPOSED CULVERT AND HEADWALLS ARE INSTALLED, CONTRACTOR SHALL DIVERT THE TRIBUTARY AND INSTALLED THE RELOCATED STREAM INTO THE PROPOSED CULVERT.
11. REMOVE AND BACKFILL THE EXISTING CMP CULVERT AND INSTALL TEMPORARY DOWNDRAIN.
12. EXCAVATE AND INSTALL PARTIAL TEMPORARY SKIMMER BASIN 1 AND TEMPORARY SKIMMER BASIN 2 AND USE EXCAVATED MATERIAL TO BACKFILL THE TRENCH FOR THE CMP CULVERT REMOVAL TO PRE-CONSTRUCTION GRADE AND TO COVER THE PROPOSED CULVERT, AS SHOWN IN THIS PHASE OF WORK.
13. THE LOD SHOWN ON THIS PHASE IS PROVIDED TO ACCOUNT FOR A 10' WIDE OVER EXCAVATION OF THE PROPOSED CULVERT INSTALLATION AND EXISTING CMP REMOVAL WITH A 2.5:1 SIDE SLOPE.

GRADING NOTES:

1. TOPSOIL WITHIN THE GRADING AREA SHALL BE STRIPPED 6" AND PLACED AT THE TEMPORARY STOCKPILE SHOWN. THERE WILL BE NO SEPARATE PAYMENT FOR RE-HANDLING TOPSOIL. ALL WORK ASSOCIATED WITH TOPSOIL STRIPPING, STOCKPILING AND FINAL PLACEMENT SHALL BE PAID FOR UNDER THE "TOPSOIL STRIPPING (ON-SITE STRIP, DUMP AND FINAL PLACEMENT)" ITEM OF WORK.
2. ANY DAMAGE TO EXISTING UTILITIES SHALL BE PROMPTLY REPAIRED AT NO COST TO THE OWNER.
3. SUBGRADE MATERIAL FOUND TO BE UNSUITABLE SHALL BE REMOVED AT THE DIRECTION OF THE ENGINEER. PAYMENT FOR REMOVAL AND BACKFILL OF UNSUITABLE MATERIAL SHALL BE MADE UNDER THE "UNSUITABLE EXCAVATION" ITEM OF WORK. REMOVED UNSUITABLE MATERIAL SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND PAID FOR UNDER THE "EMBANKMENT IN PLACE (ONSITE BORROW) PLACED AND COMPACTED, COMPLETE" ITEM OF WORK.
4. UNDERCUT GEOGRID SHALL BE TENSAR BX 1100 OR APPROVED EQUAL AND INSTALLED AS DIRECTED BY ENGINEER.
5. ALL UNSUITABLE EXCAVATION MATERIAL SHALL BE DISPOSED OF OFF AIRPORT PROPERTY.



KEY MAP
SCALE: 1" = 100'

PA PASSERO ASSOCIATES, INC. 4730 Casa Cola Way, Suite 200 Saint Augustine, FL 32095 (904) 757-6106 Fax: (904) 757-6107 3855 Shallowford Rd, Suite 310 Marietta, GA 30062 (470) 577-9989 Fax: (585) 325-1691 BRAD WENTE, P.E. STANLEY PRICE, P.E. TJ COLLINS, P.E. www.passero.com EXP: 06/30/24

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PRINCIPAL IN CHARGE: BRAD WENTE, P.E.
PROJECT MANAGER: STANLEY PRICE, P.E.
DESIGNED BY: TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP: 06/30/24
SUBMITTAL:
BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:

NORTH ARROW AND SCALE:

50 0 50
GRAPHIC SCALE IN LINEAR FEET

PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	4/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
PHASE I GRADING, DRAINAGE AND EROSION CONTROL - SHEET 3

SHEET:
C130

PROJECT NO.:
20202946.0003

DATE:
MAY 2023

PHASE II SEDIMENT / EROSION CONTROL NOTES:

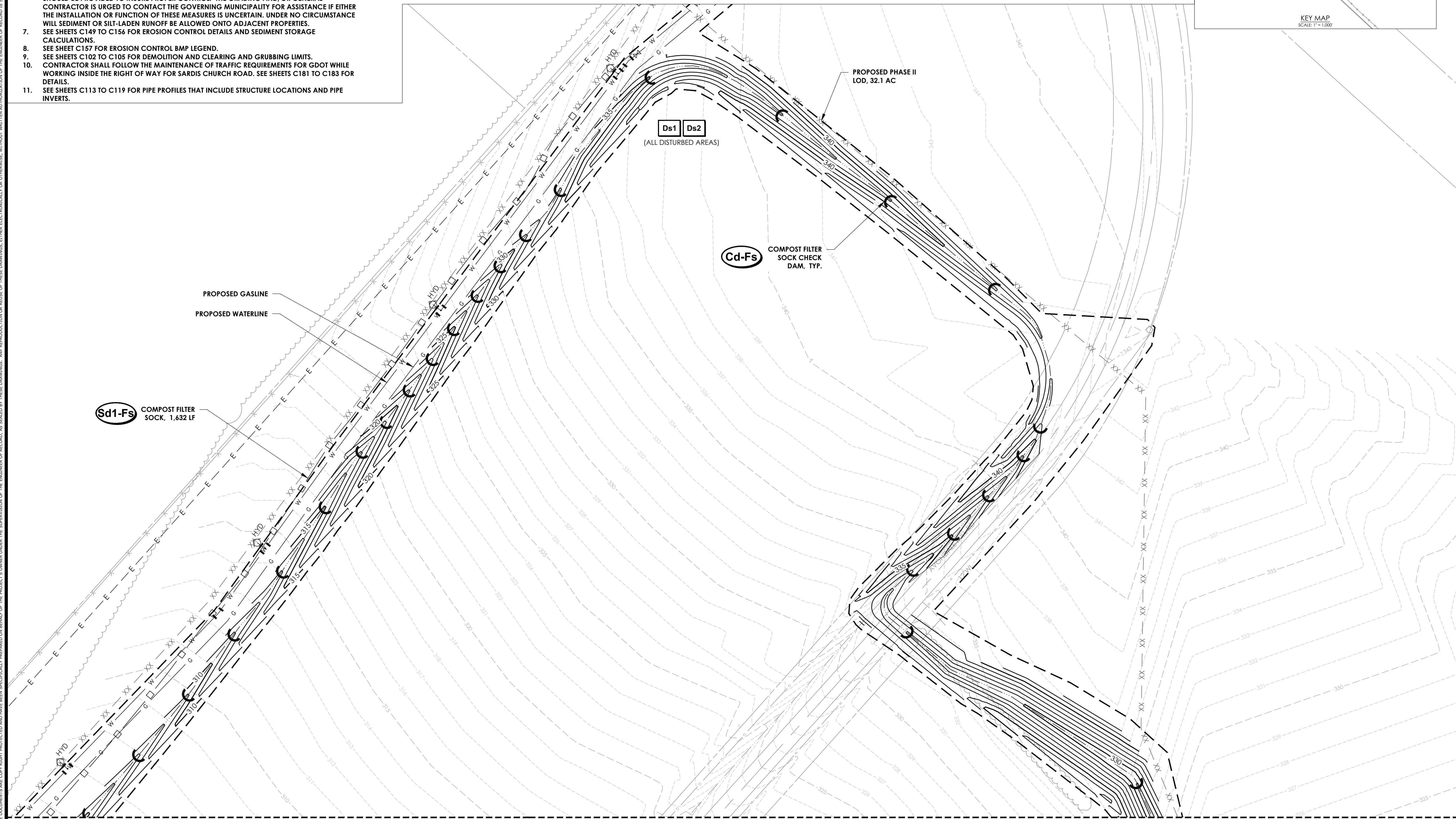
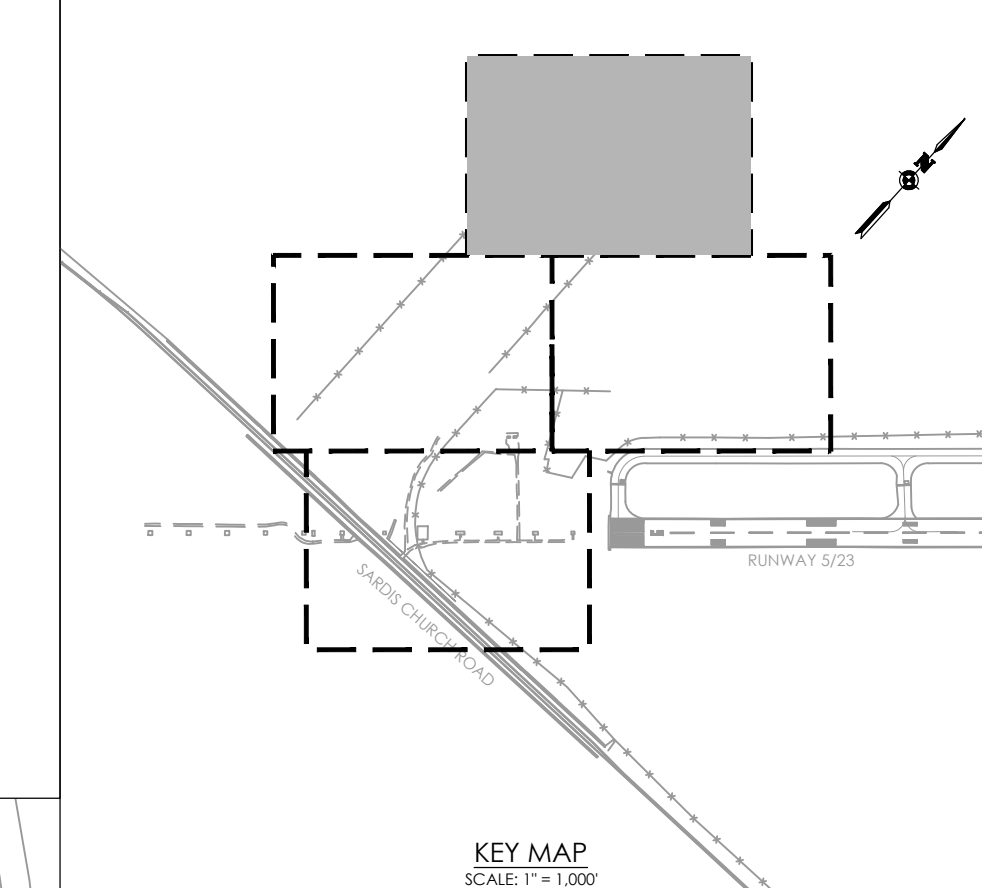
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8. SEE SHEET C157 FOR EROSION CONTROL BMP LEGEND.
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11. SEE SHEETS C113 TO C119 FOR PIPE PROFILES THAT INCLUDE STRUCTURE LOCATIONS AND PIPE INVERTS.

PHASE II SEQUENCE OF CONSTRUCTION ACTIVITY:

1. OBTAIN APPROVAL FROM MACON-BIBB COUNTY FOR THIS PHASE AND NOTIFY MACON-BIBB COUNTY 48 HOURS PRIOR TO BEGINNING THE LAND DISTURBANCE ACTIVITY.
2. RUNWAY 5/23 SHALL BE OPEN TO AIRCRAFT TRAFFIC DURING THIS PHASE. THE CONTRACTOR SHALL NOT ENTER THE RUNWAY SAFEWAY AREA AT ANY TIME, OR STORE MATERIALS OR EQUIPMENT IN THE RUNWAY OBJECT FREE AREA.
3. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE. INSTALL TEMPORARY COMPOST FILTER SOCK, CHECK DAMS, STONE FILTER RINGS AND ALL EROSION CONTROL MEASURES.
4. REMOVE AND REPLACE EXISTING WATERLINE, ELECTRICAL CABLES AND GASLINES. SEE SHEETS C175 TO C176.
5. EXCAVATE AND INSTALL THE REMAINDER OF TEMPORARY SEDIMENT BASIN 1 AND STOCKPILE THE EXCAVATED MATERIAL AS SHOWN ON THE PLANS.

GRADING NOTES:

1. TOPSOIL WITHIN THE GRADING AREA SHALL BE STRIPPED 6" AND PLACED AT THE TEMPORARY STOCKPILE SHOWN. THERE WILL BE NO SEPARATE PAYMENT FOR RE-HANDLING TOPSOIL. ALL WORK ASSOCIATED WITH TOPSOIL STRIPPING, STOCKPILING AND FINAL PLACEMENT SHALL BE PAID FOR UNDER THE "TOPSOIL STRIPPING (ON-SITE STRIPPING AND FINAL PLACEMENT)" ITEM OF WORK.
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4. UNDERCUT GEOGRID SHALL BE TENSAR BX 1100 OR APPROVED EQUAL AND INSTALLED AS DIRECTED BY ENGINEER.
5. ALL UNSUITABLE EXCAVATION MATERIAL SHALL BE DISPOSED OF OFF AIRPORT PROPERTY. STOCKPILED MATERIAL, EXCLUDING TOPSOIL STOCKPILE, SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH SPECIFICATION P-152.



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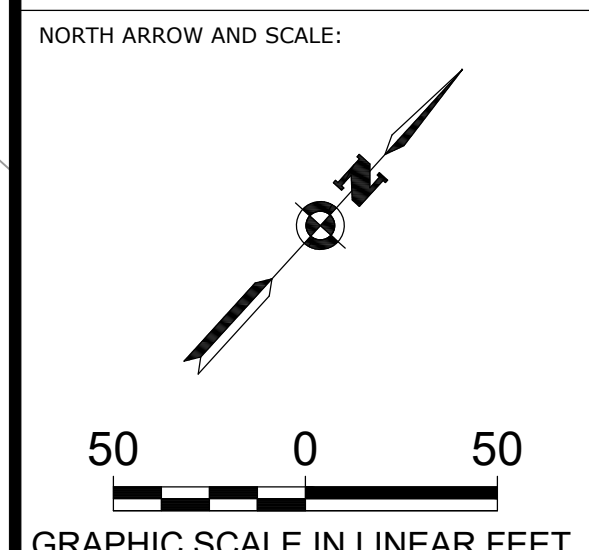
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PRINCIPAL IN CHARGE: BRAD WENTE, P.E.
PROJECT MANAGER: STANLEY PRICE, P.E.
DESIGNED BY: TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24
SUBMITTAL:
BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:



PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY

MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
PHASE II GRADING, DRAINAGE AND EROSION CONTROL - SHEET 1

SHEET:
C132

PROJECT NO.:
20202946.0003

DATE:
MAY 2023

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MATCHLINE - SEE SHEET C133

MATCHLINE - SEE SHEET C134

PHASE II SEDIMENT / EROSION CONTROL NOTES:

1. BASE RID TOTAL DISTURBED AREA = 75.2 AC
PHASE II DISTURBED AREA = 32.1 AC
2. EROSION CONTROL PRACTICES MUST COMPLY WITH THE STANDARDS AND SPECIFICATIONS IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST VERSION.
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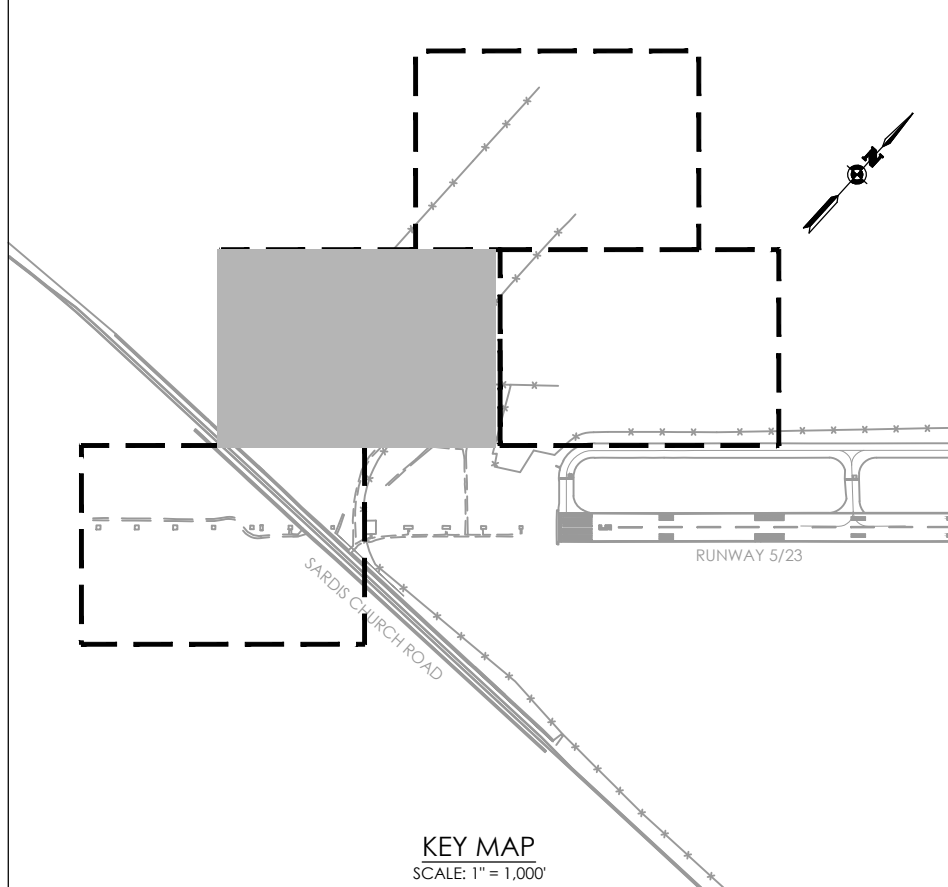
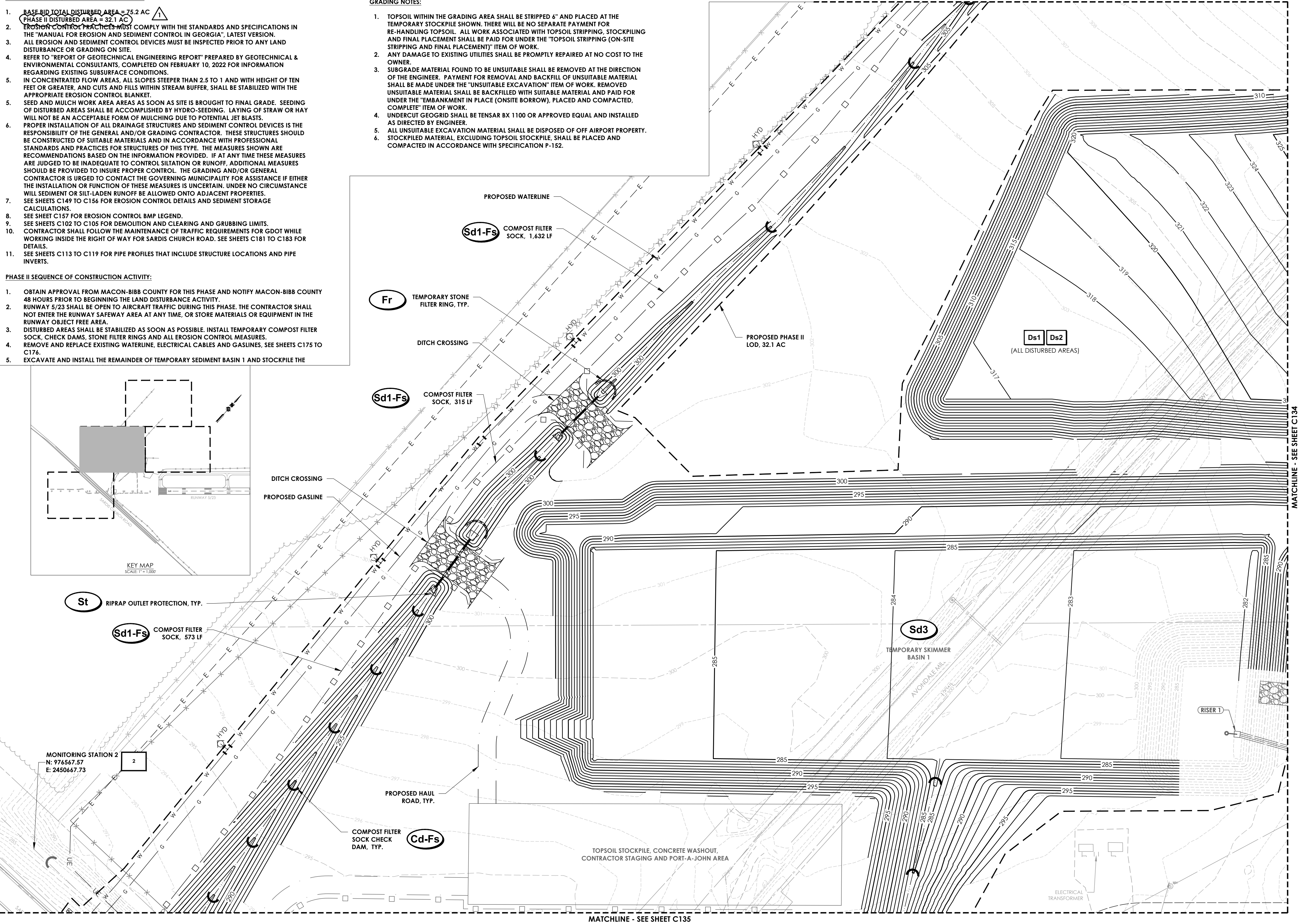
PHASE II SEQUENCE OF CONSTRUCTION ACTIVITY:

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5. EXCAVATE AND INSTALL THE REMAINDER OF TEMPORARY SEDIMENT BASIN 1 AND STOCKPILE THE

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MATCHLINE - SEE SHEET C132



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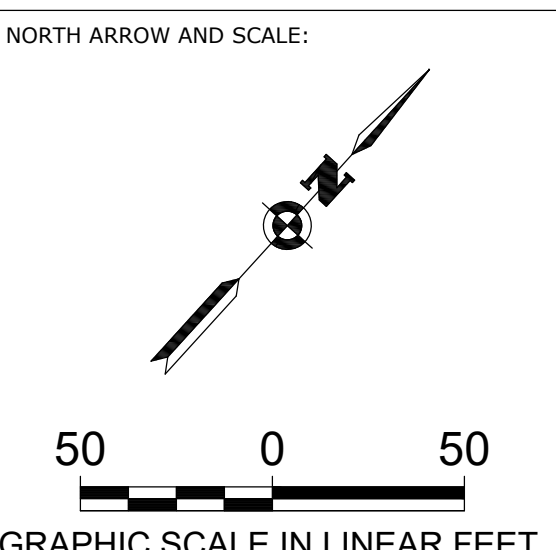
PRINCIPAL IN CHARGE: BRAD WENTE, P.E.
PROJECT MANAGER: STANLEY PRICE, P.E.
DESIGNED BY: TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24

SUBMITTAL:

BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:



PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
PHASE II GRADING, DRAINAGE AND EROSION CONTROL - SHEET 2

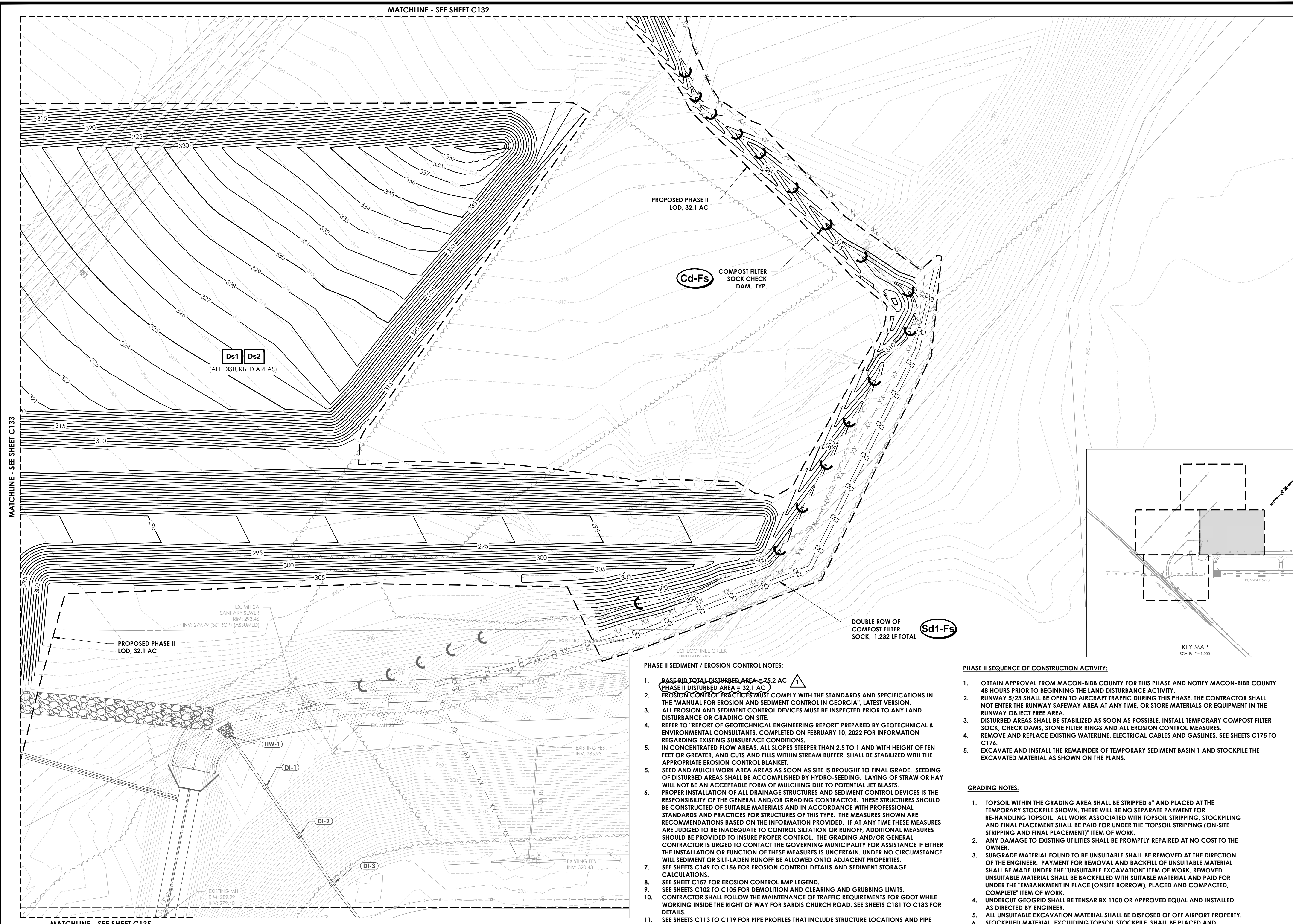
SHEET:
C133

PROJECT NO.:
20202946.0003

DATE:
MAY 2023

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MATCHLINE - SEE SHEET C132



MATCHLINE - SEE SHEET C135

PHASE II SEDIMENT / EROSION CONTROL NOTES:

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2. **PHASE II DISTURBED AREA = 32.1 AC**
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3. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE. INSTALL TEMPORARY COMPOST FILTER SOCK, CHECK DAMS, STONE FILTER RINGS AND ALL EROSION CONTROL MEASURES.
4. REMOVE AND REPLACE EXISTING WATERLINE, ELECTRICAL CABLES AND GASLINES. SEE SHEETS C175 TO C176.
5. EXCAVATE AND INSTALL THE REMAINDER OF TEMPORARY SEDIMENT BASIN 1 AND STOCKPILE THE EXCAVATED MATERIAL AS SHOWN ON THE PLANS.

GRADING NOTES:

1. TOPSOIL WITHIN THE GRADING AREA SHALL BE STRIPPED 6" AND PLACED AT THE TEMPORARY STOCKPILE SHOWN. THERE WILL BE NO SEPARATE PAYMENT FOR RE-HANDLING TOPSOIL. ALL WORK ASSOCIATED WITH TOPSOIL STRIPPING, STOCKPILING AND FINAL PLACEMENT SHALL BE PAID FOR UNDER THE "TOPSOIL STRIPPING (ON-SITE STRIPPING AND FINAL PLACEMENT)" ITEM OF WORK.
2. ANY DAMAGE TO EXISTING UTILITIES SHALL BE PROMPTLY REPAIRED AT NO COST TO THE OWNER.
3. SUBGRADE MATERIAL FOUND TO BE UNSUITABLE SHALL BE REMOVED AT THE DIRECTION OF THE ENGINEER. PAYMENT FOR REMOVAL AND BACKFILL OF UNSUITABLE MATERIAL SHALL BE MADE UNDER THE "UNSUITABLE EXCAVATION" ITEM OF WORK. REMOVED UNSUITABLE MATERIAL SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND PAID FOR UNDER THE "EMBANKMENT IN PLACE (ONSITE BORROW), PLACED AND COMPACTED, COMPLETE" ITEM OF WORK.
4. UNDERCUT GEOGRID SHALL BE TENSAR BX 1100 OR APPROVED EQUAL AND INSTALLED AS DIRECTED BY ENGINEER.
5. ALL UNSUITABLE EXCAVATION MATERIAL SHALL BE DISPOSED OF OFF AIRPORT PROPERTY.
6. STOCKPILED MATERIAL, EXCLUDING TOPSOIL STOCKPILE, SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH GEOTECHNICAL REPORT.

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 PRINCIPAL IN CHARGE BRAD WENTE, P.E.
 PROJECT MANAGER STANLEY PRICE, P.E.
 DESIGNED BY T.J. COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24
 SUBMITTAL:
BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:

NORTH ARROW AND SCALE:

50 0 50
 GRAPHIC SCALE IN LINEAR FEET

PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN) MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
PHASE II GRADING, DRAINAGE AND EROSION CONTROL - SHEET 3

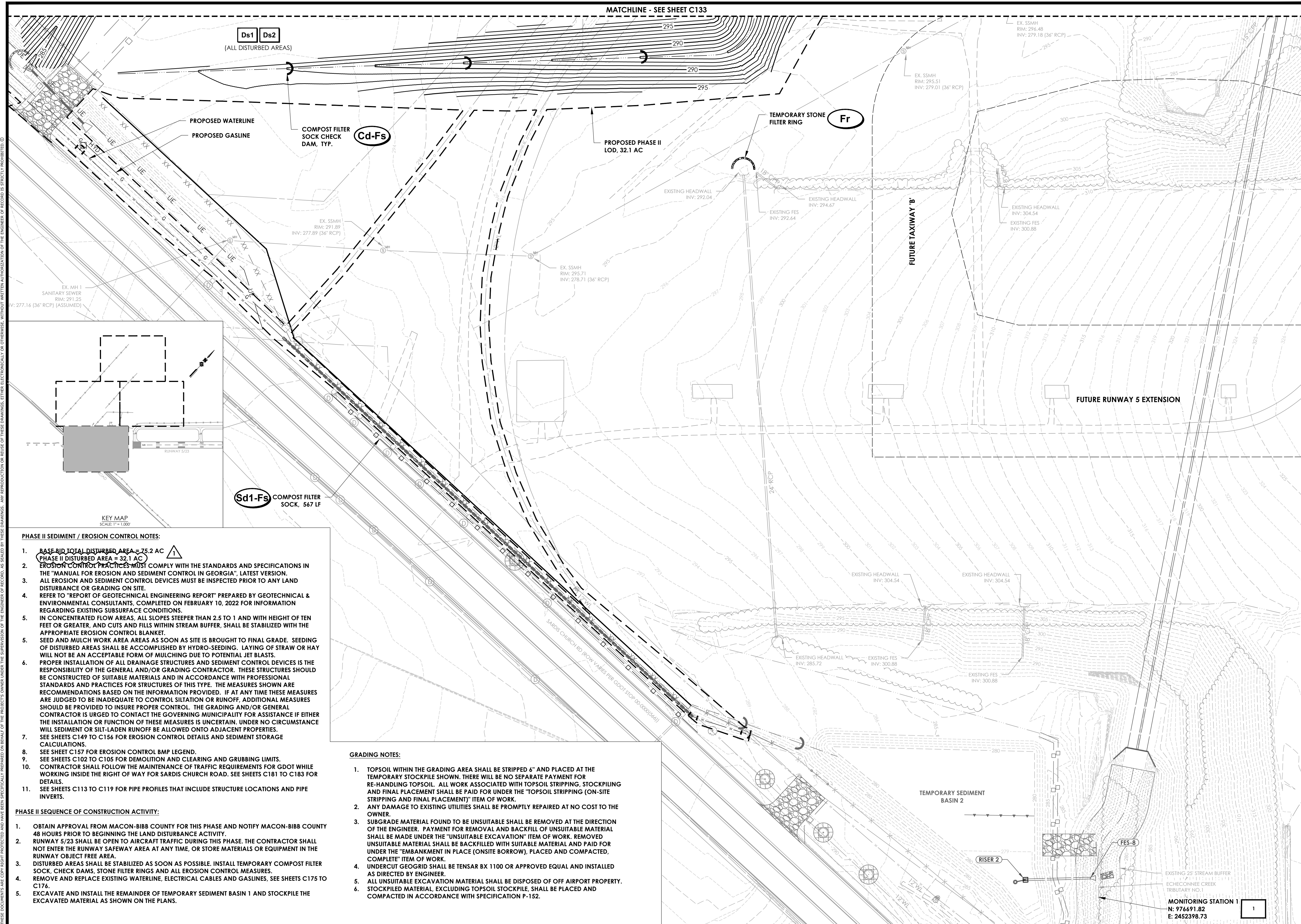
SHEET:
C134

PROJECT NO.:
 20202946.0003

DATE:
 MAY 2023

V:\Projects\New\2020\2020946\macon-bibb-county\2020946\000301\C134 - Bk - mdrnsh\mason-bibb-county\2020946\000301\C134 - Bk - mdrnsh\CAD\DWG 6/23/23 - 2023 - 6/23/23
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MATCHLINE - SEE SHEET C133

Ds1 Ds2
(ALL DISTURBED AREAS)

PROPOSED WATERLINE
PROPOSED GASLINE

COMPOST FILTER SOCK CHECK DAM, TYP. (Cd-Fs)

PROPOSED PHASE II LOD, 32.1 AC

TEMPORARY STONE FILTER RING (Fr)

FUTURE TAXIWAY 'B'

FUTURE RUNWAY 5 EXTENSION

Sd1-Fs COMPOST FILTER SOCK, 567 LF

PHASE II SEDIMENT / EROSION CONTROL NOTES:

1. BASE RID TOTAL DISTURBED AREA = 75.2 AC
PHASE II DISTURBED AREA = 32.1 AC
2. EROSION CONTROL PRACTICES MUST COMPLY WITH THE STANDARDS AND SPECIFICATIONS IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST VERSION.
3. ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSPECTED PRIOR TO ANY LAND DISTURBANCE OR GRADING ON SITE.
4. REFER TO "REPORT OF GEOTECHNICAL ENGINEERING REPORT" PREPARED BY GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, COMPLETED ON FEBRUARY 10, 2022 FOR INFORMATION REGARDING EXISTING SUBSURFACE CONDITIONS.
5. IN CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5 TO 1 AND WITH HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFER, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL BLANKET.
5. SEED AND MULCH WORK AREA AREAS AS SOON AS SITE IS BROUGHT TO FINAL GRADE. SEEDING OF DISTURBED AREAS SHALL BE ACCOMPLISHED BY HYDRO-SEEDING. LAYING OF STRAW OR HAY WILL NOT BE AN ACCEPTABLE FORM OF MULCHING DUE TO POTENTIAL JET BLASTS.
6. PROPER INSTALLATION OF ALL DRAINAGE STRUCTURES AND SEDIMENT CONTROL DEVICES IS THE RESPONSIBILITY OF THE GENERAL AND/OR GRADING CONTRACTOR. THESE STRUCTURES SHOULD BE CONSTRUCTED OF SUITABLE MATERIALS AND IN ACCORDANCE WITH PROFESSIONAL STANDARDS AND PRACTICES FOR STRUCTURES OF THIS TYPE. THE MEASURES SHOWN ARE RECOMMENDATIONS BASED ON THE INFORMATION PROVIDED. IF AT ANY TIME THESE MEASURES ARE JUDGED TO BE INADEQUATE TO CONTROL SILTATION OR RUNOFF, ADDITIONAL MEASURES SHOULD BE PROVIDED TO INSURE PROPER CONTROL. THE GRADING AND/OR GENERAL CONTRACTOR IS URGED TO CONTACT THE GOVERNING MUNICIPALITY FOR ASSISTANCE IF EITHER THE INSTALLATION OR FUNCTION OF THESE MEASURES IS UNCERTAIN. UNDER NO CIRCUMSTANCE WILL SEDIMENT OR SILT-LADEN RUNOFF BE ALLOWED ONTO ADJACENT PROPERTIES.
7. SEE SHEETS C149 TO C156 FOR EROSION CONTROL DETAILS AND SEDIMENT STORAGE CALCULATIONS.
8. SEE SHEET C157 FOR EROSION CONTROL BMP LEGEND.
9. SEE SHEETS C102 TO C105 FOR DEMOLITION AND CLEARING AND GRUBBING LIMITS.
10. CONTRACTOR SHALL FOLLOW THE MAINTENANCE OF TRAFFIC REQUIREMENTS FOR GDOT WHILE WORKING INSIDE THE RIGHT OF WAY FOR SARDIS CHURCH ROAD. SEE SHEETS C181 TO C183 FOR DETAILS.
11. SEE SHEETS C113 TO C119 FOR PIPE PROFILES THAT INCLUDE STRUCTURE LOCATIONS AND PIPE INVERTS.

PHASE II SEQUENCE OF CONSTRUCTION ACTIVITY:

1. OBTAIN APPROVAL FROM MACON-BIBB COUNTY FOR THIS PHASE AND NOTIFY MACON-BIBB COUNTY 48 HOURS PRIOR TO BEGINNING THE LAND DISTURBANCE ACTIVITY.
2. RUNWAY 5/23 SHALL BE OPEN TO AIRCRAFT TRAFFIC DURING THIS PHASE. THE CONTRACTOR SHALL NOT ENTER THE RUNWAY SAFEFWAY AREA AT ANY TIME, OR STORE MATERIALS OR EQUIPMENT IN THE RUNWAY OBJECT FREE AREA.
3. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE. INSTALL TEMPORARY COMPOST FILTER SOCK, CHECK DAMS, STONE FILTER RINGS AND ALL EROSION CONTROL MEASURES.
4. REMOVE AND REPLACE EXISTING WATERLINE, ELECTRICAL CABLES AND GASLINES, SEE SHEETS C175 TO C176.
5. EXCAVATE AND INSTALL THE REMAINDER OF TEMPORARY SEDIMENT BASIN 1 AND STOCKPILE THE EXCAVATED MATERIAL AS SHOWN ON THE PLANS.

GRADING NOTES:

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4. UNDERCUT GEOGRID SHALL BE TENSAR BX 1100 OR APPROVED EQUAL AND INSTALLED AS DIRECTED BY ENGINEER.
5. ALL UNSUITABLE EXCAVATION MATERIAL SHALL BE DISPOSED OF OFF AIRPORT PROPERTY. STOCKPILED MATERIAL, EXCLUDING TOPSOIL STOCKPILE, SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH SPECIFICATION P-152.

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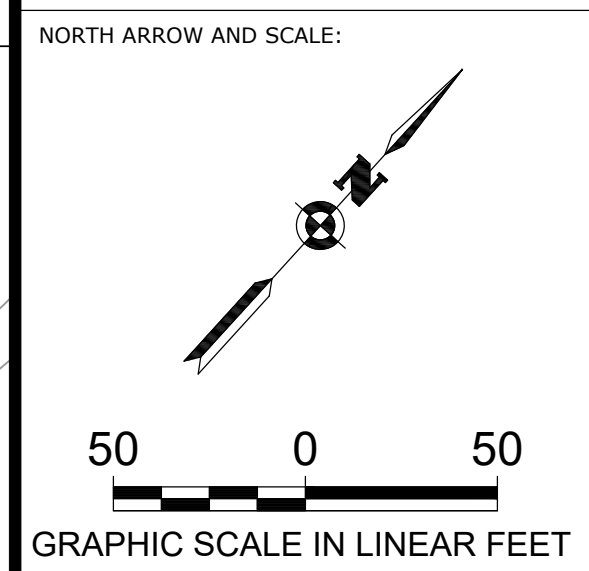
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PRINCIPAL IN CHARGE BRAD WENTE, P.E.
PROJECT MANAGER STANLEY PRICE, P.E.
DESIGNED BY TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24

SUBMITTAL:
BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:



PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	4/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
PHASE II GRADING, DRAINAGE AND EROSION CONTROL - SHEET 4

SHEET:
C135

PROJECT NO.:
20202946.0003

DATE:
MAY 2023

MONITORING STATION 1
N: 976491.82
E: 2452398.73

PHASE III SEDIMENT / EROSION CONTROL NOTES:

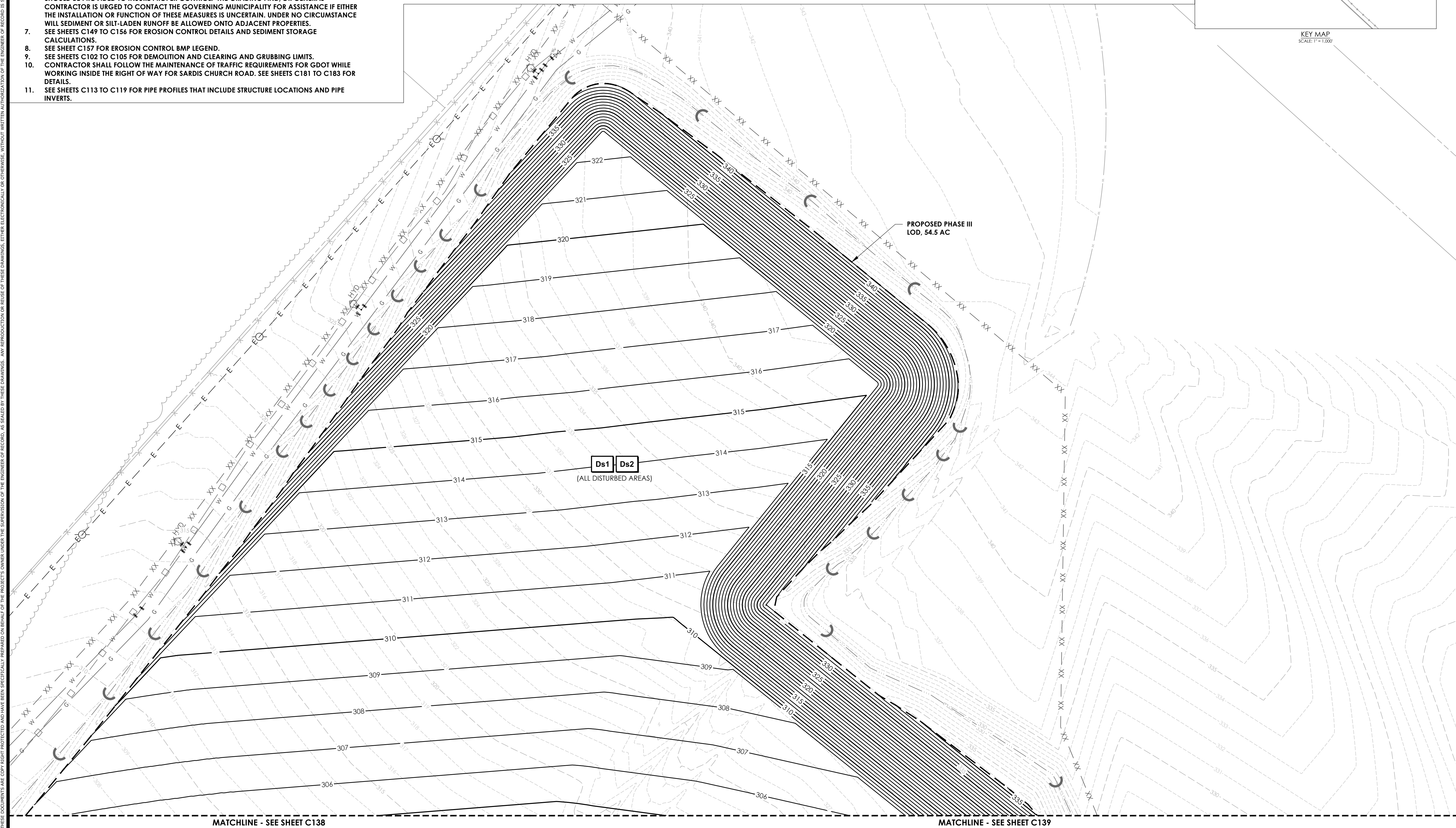
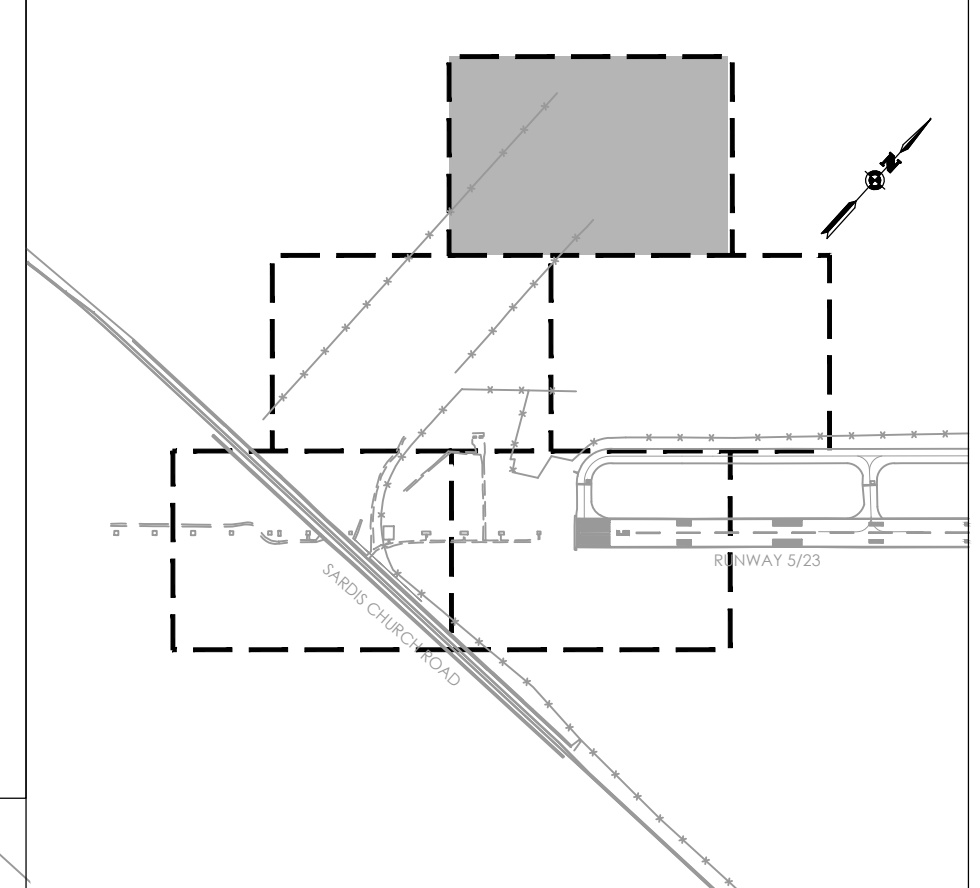
1. BASE BID TOTAL DISTURBED AREA = 75.2 AC
PHASE III DISTURBED AREA = 54.5 AC
2. EROSION CONTROL PRACTICES MUST COMPLY WITH THE STANDARDS AND SPECIFICATIONS IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST VERSION.
3. ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSPECTED PRIOR TO ANY LAND DISTURBANCE OR GRADING ON SITE.
4. REFER TO "REPORT OF GEOTECHNICAL ENGINEERING REPORT" PREPARED BY GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, COMPLETED ON FEBRUARY 10, 2022 FOR INFORMATION REGARDING EXISTING SUBSURFACE CONDITIONS.
5. IN CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5 TO 1 AND WITH HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFER, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL BLANKET.
6. SEED AND MULCH WORK AREA AREAS AS SOON AS SITE IS BROUGHT TO FINAL GRADE. SEEDING OF DISTURBED AREAS SHALL BE ACCOMPLISHED BY HYDRO-SEEDING. LAYING OF STRAW OR HAY WILL NOT BE AN ACCEPTABLE FORM OF MULCHING DUE TO POTENTIAL JET BLASTS.
7. PROPER INSTALLATION OF ALL DRAINAGE STRUCTURES AND SEDIMENT CONTROL DEVICES IS THE RESPONSIBILITY OF THE GENERAL AND/OR GRADING CONTRACTOR. THESE STRUCTURES SHOULD BE CONSTRUCTED OF SUITABLE MATERIALS AND IN ACCORDANCE WITH PROFESSIONAL STANDARDS AND PRACTICES FOR STRUCTURES OF THIS TYPE. THE MEASURES SHOWN ARE RECOMMENDATIONS BASED ON THE INFORMATION PROVIDED. IF AT ANY TIME THESE MEASURES ARE JUDGED TO BE INADEQUATE TO CONTROL SILTATION OR RUNOFF, ADDITIONAL MEASURES SHOULD BE PROVIDED TO INSURE PROPER CONTROL. THE GRADING AND/OR GENERAL CONTRACTOR IS URGED TO CONTACT THE GOVERNING MUNICIPALITY FOR ASSISTANCE IF EITHER THE INSTALLATION OR FUNCTION OF THESE MEASURES IS UNCERTAIN. UNDER NO CIRCUMSTANCE WILL SEDIMENT OR SILT-LADEN RUNOFF BE ALLOWED ONTO ADJACENT PROPERTIES. SEE SHEETS C149 TO C156 FOR EROSION CONTROL DETAILS AND SEDIMENT STORAGE CALCULATIONS.
8. SEE SHEET C157 FOR EROSION CONTROL BMP LEGEND.
9. SEE SHEETS C102 TO C105 FOR DEMOLITION AND CLEARING AND GRUBBING LIMITS.
10. CONTRACTOR SHALL FOLLOW THE MAINTENANCE OF TRAFFIC REQUIREMENTS FOR GDOT WHILE WORKING INSIDE THE RIGHT OF WAY FOR SARDIS CHURCH ROAD. SEE SHEETS C181 TO C183 FOR DETAILS.
11. SEE SHEETS C113 TO C119 FOR PIPE PROFILES THAT INCLUDE STRUCTURE LOCATIONS AND PIPE INVERTS.

PHASE III SEQUENCE OF CONSTRUCTION ACTIVITY:

1. OBTAIN APPROVAL FROM MACON-BIBB COUNTY FOR THIS PHASE AND NOTIFY MACON-BIBB COUNTY 48 HOURS PRIOR TO BEGINNING THE LAND DISTURBANCE ACTIVITY.
2. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE.
3. CONTRACTOR SHALL LIMIT UNSTABILIZED WORK AREAS TO 50 ACRES MAXIMUM DURING THIS PHASE.
4. REMOVE AND REPLACE EXISTING SANITARY SEWER MANHOLES AND PIPES. SEE SHEETS C178 TO C177.
5. INSTALL PROPOSED CONCRETE WALL, COMPLETE GRADING AND INSTALL CLOSED DRAINAGE.
6. INSTALL CHECK DAMS AS SOON AS DITCHES ARE GRADED.
7. INSTALL TEMPORARY DOWNDRAINS ON THE TOP OF THE EMBANKMENT AS SOON AS ROUGH GRADING IS COMPLETE AND REMOVE ONCE PERMANENT CLOSED DRAINAGE SYSTEM IS INSTALLED.
8. INSTALL RIPRAP OUTLET PROTECTION AND FILTER RINGS ON ALL PROPOSED FLARED END SECTION AND TEMPORARY INLET PROTECTION ON ALL NEW DROP INLETS.

GRADING NOTES:

1. TOPSOIL WITHIN THE GRADING AREA SHALL BE STRIPPED 6" AND PLACED AT THE TEMPORARY STOCKPILE SHOWN. THERE WILL BE NO SEPARATE PAYMENT FOR RE-HANDLING TOPSOIL. ALL WORK ASSOCIATED WITH TOPSOIL STRIPPING, STOCKPILING AND FINAL PLACEMENT SHALL BE PAID FOR UNDER THE "TOPSOIL STRIPPING (ON-SITE STRIPPING AND FINAL PLACEMENT)" ITEM OF WORK.
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5. ALL UNSUITABLE EXCAVATION MATERIAL SHALL BE DISPOSED OF OFF AIRPORT PROPERTY.
6. STOCKPILED MATERIAL, EXCLUDING TOPSOIL STOCKPILE, SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH SPECIFICATION P-152.
7. SEE SHEET C184 FOR PROPOSED MSE WALL PLAN AND PROFILE AND C185 FOR PROPOSED MSE WALL DETAILS.



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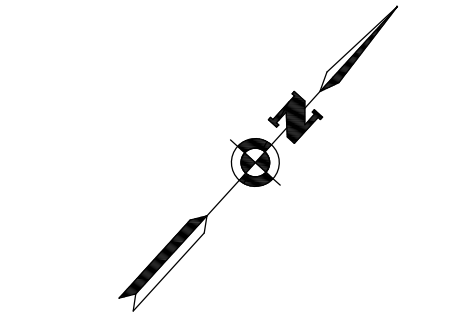
GA COA NO.: PEF003273 EXP.: 06/30/24

BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:

SUBMITTAL:

NORTH ARROW AND SCALE:



50 0 50

GRAPHIC SCALE IN LINEAR FEET

PROJECT:

BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
MACON-BIBB COUNTY, GEORGIA

REVISIONS			
No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
PHASE III GRADING, DRAINAGE AND EROSION CONTROL - SHEET 1

SHEET:
C137

PROJECT NO.:
20202946.0003

DATE:
MAY 2023

V:\Projects\New\2020\20202946\Macon-Bibb County\20202946\0003\01 CAD - BM - Andrew Passero\18_20202946\0003_C0137_C138.dwg Jun 22, 2023 - 4:37pm
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PHASE III SEDIMENT / EROSION CONTROL NOTES:

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PHASE III DISTURBED AREA = 54.5 AC
2. EROSION CONTROL PRACTICES MUST COMPLY WITH THE STANDARDS AND SPECIFICATIONS IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST VERSION.
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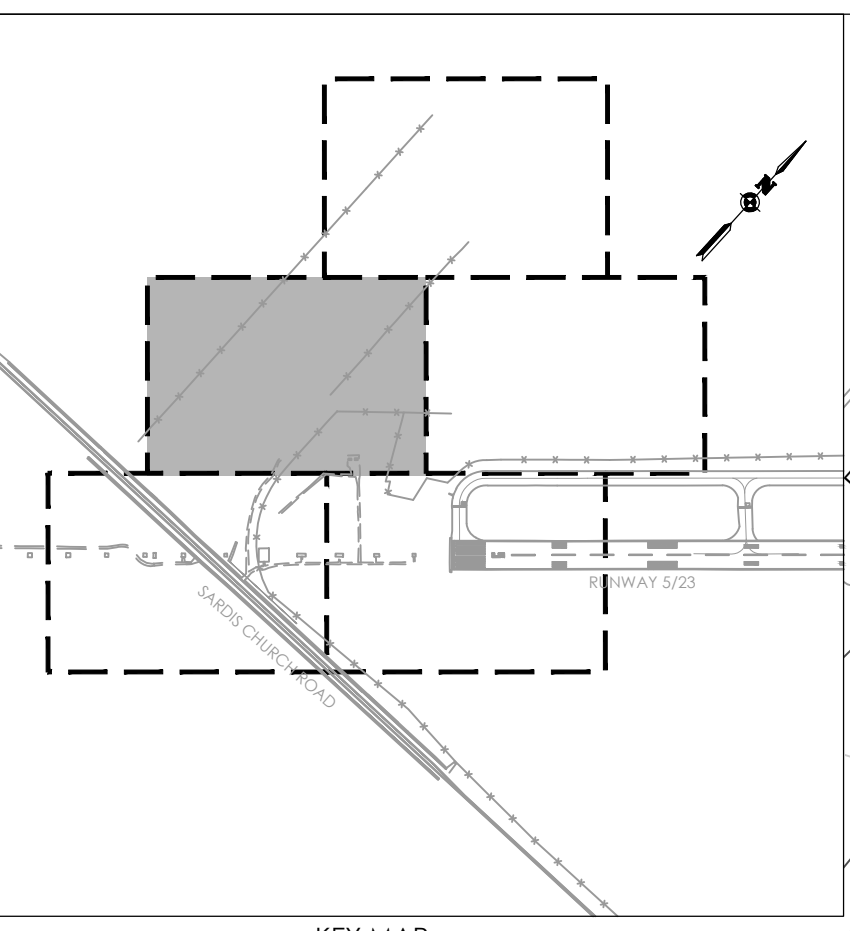
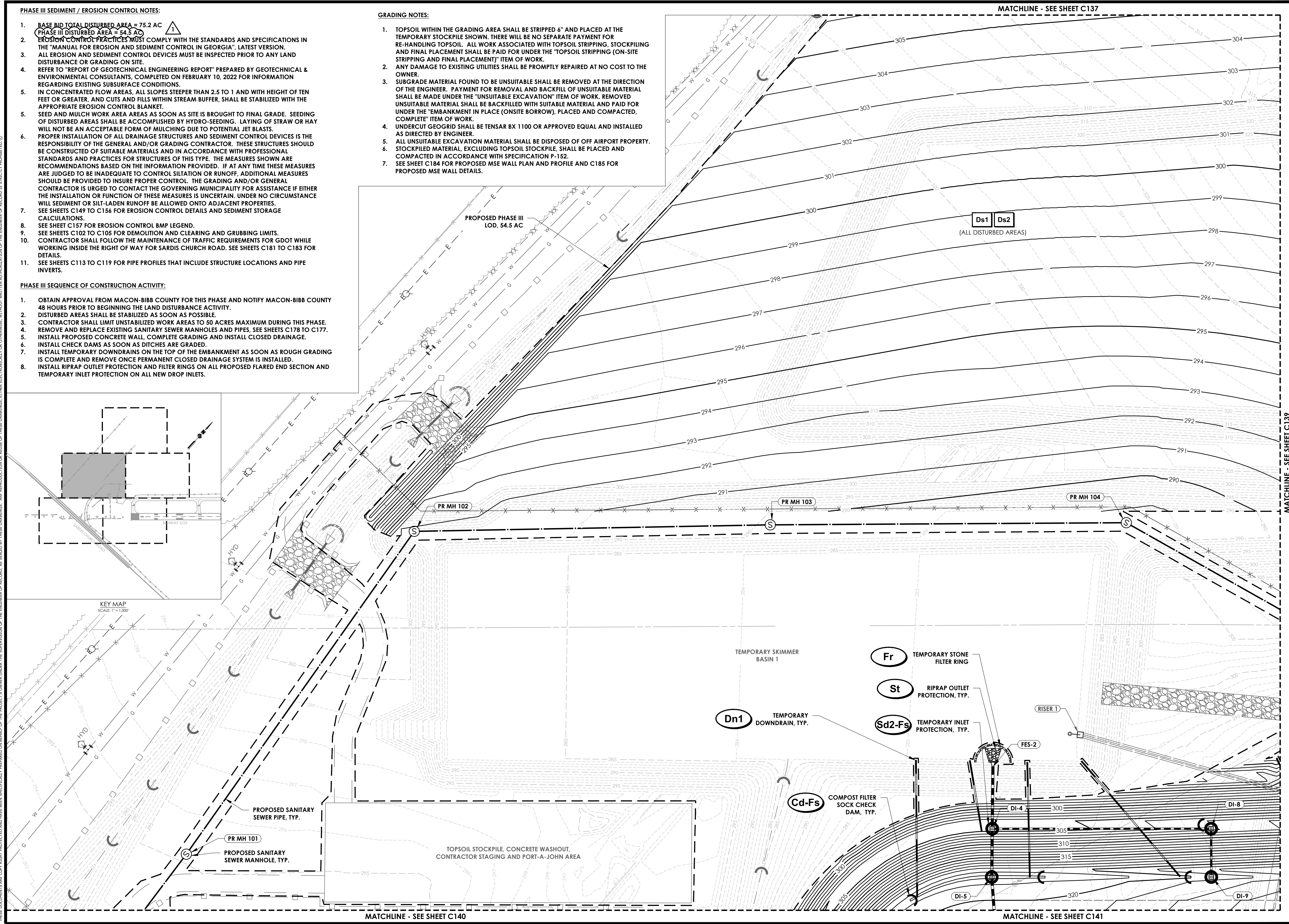
PHASE III SEQUENCE OF CONSTRUCTION ACTIVITY:

1. OBTAIN APPROVAL FROM MACON-BIBB COUNTY FOR THIS PHASE AND NOTIFY MACON-BIBB COUNTY 48 HOURS PRIOR TO BEGINNING THE LAND DISTURBANCE ACTIVITY.
2. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE.
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7. SEE SHEET C184 FOR PROPOSED MSE WALL PLAN AND PROFILE AND C185 FOR PROPOSED MSE WALL DETAILS.

MATCHLINE - SEE SHEET C137



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PROJECT MANAGER STANLEY PRICE, P.E.
DESIGNED BY TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24
SUBMITTAL:
BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:



PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
PHASE III GRADING, DRAINAGE AND EROSION CONTROL - SHEET 2

SHEET:
C138

PROJECT NO.:
20202946.0003

DATE:
MAY 2023

1/1/2023 10:20:20 AM Macombibb County 20202946.0003 01 C138 - Bldg - Andrew Passero (B), 37029746303, COWI/CDC/awp Jun 22, 2023 - 4:08pm
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MATCHLINE - SEE SHEET C137

PROPOSED PHASE III
LOD, 54.5 AC

Ds1 Ds2
(ALL DISTURBED AREAS)

PROPOSED SANITARY
SEWER PIPE

EL. MH 2A
SANITARY SEWER
RIM: 293.46
36" RCP (ASSUMED)

Ds1 Ds2
(ALL DISTURBED AREAS)

TEMPORARY INLET
PROTECTION, TYP.

COMPOST FILTER
SOCK CHECK
DAM, TYP.

PROPOSED CONCRETE
FLUME, 43 SY

MATCHLINE - SEE SHEET C141

PHASE III SEDIMENT / EROSION CONTROL NOTES:

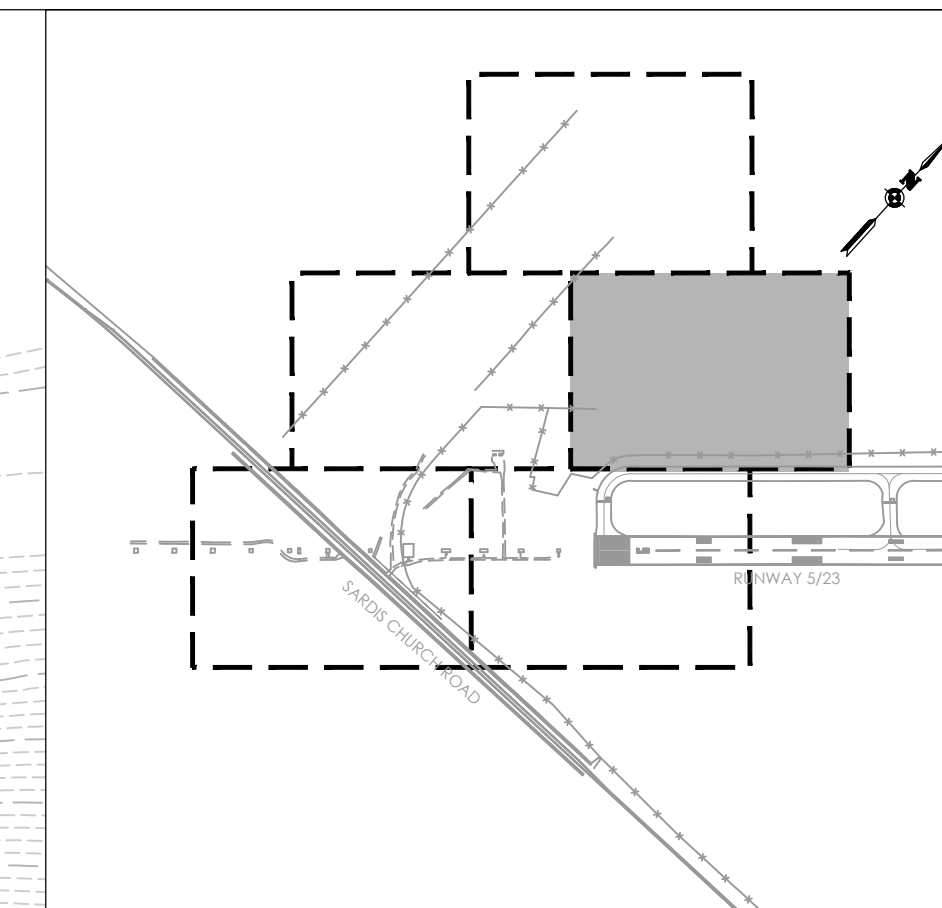
1. BASE BID TOTAL DISTURBED AREA = 75.2 AC
PHASE III DISTURBED AREA = 54.5 AC
2. EROSION CONTROL PRACTICES MUST COMPLY WITH THE STANDARDS AND SPECIFICATIONS IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST VERSION.
3. ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSPECTED PRIOR TO ANY LAND DISTURBANCE OR GRADING ON SITE.
4. REFER TO "REPORT OF GEOTECHNICAL ENGINEERING REPORT" PREPARED BY GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, COMPLETED ON FEBRUARY 10, 2022 FOR INFORMATION REGARDING EXISTING SUBSURFACE CONDITIONS.
5. IN CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5 TO 1 AND WITH HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFER, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL BLANKET.
5. SEED AND MULCH WORK AREA AREAS AS SOON AS SITE IS BROUGHT TO FINAL GRADE. SEEDING OF DISTURBED AREAS SHALL BE ACCOMPLISHED BY HYDRO-SEEDING. LAYING OF STRAW OR HAY WILL NOT BE AN ACCEPTABLE FORM OF MULCHING DUE TO POTENTIAL JET BLASTS.
6. PROPER INSTALLATION OF ALL DRAINAGE STRUCTURES AND SEDIMENT CONTROL DEVICES IS THE RESPONSIBILITY OF THE GENERAL AND/OR GRADING CONTRACTOR. THESE STRUCTURES SHOULD BE CONSTRUCTED OF SUITABLE MATERIALS AND IN ACCORDANCE WITH PROFESSIONAL STANDARDS AND PRACTICES FOR STRUCTURES OF THIS TYPE. THE MEASURES SHOWN ARE RECOMMENDATIONS BASED ON THE INFORMATION PROVIDED. IF AT ANY TIME THESE MEASURES ARE JUDGED TO BE INADEQUATE TO CONTROL SILTATION OR RUNOFF, ADDITIONAL MEASURES SHOULD BE PROVIDED TO INSURE PROPER CONTROL. THE GRADING AND/OR GENERAL CONTRACTOR IS URGED TO CONTACT THE GOVERNING MUNICIPALITY FOR ASSISTANCE IF EITHER THE INSTALLATION OR FUNCTION OF THESE MEASURES IS UNCERTAIN. UNDER NO CIRCUMSTANCE WILL SEDIMENT OR SILT-LADEN RUNOFF BE ALLOWED ONTO ADJACENT PROPERTIES.
7. SEE SHEETS C149 TO C156 FOR EROSION CONTROL DETAILS AND SEDIMENT STORAGE CALCULATIONS.
8. SEE SHEET C157 FOR EROSION CONTROL BMP LEGEND.
9. SEE SHEETS C102 TO C105 FOR DEMOLITION AND CLEARING AND GRUBBING LIMITS.
10. CONTRACTOR SHALL FOLLOW THE MAINTENANCE OF TRAFFIC REQUIREMENTS FOR GDOT WHILE WORKING INSIDE THE RIGHT OF WAY FOR SARDIS CHURCH ROAD. SEE SHEETS C181 TO C183 FOR DETAILS.
11. SEE SHEETS C113 TO C119 FOR PIPE PROFILES THAT INCLUDE STRUCTURE LOCATIONS AND PIPE INVERTS.

PHASE III SEQUENCE OF CONSTRUCTION ACTIVITY:

1. OBTAIN APPROVAL FROM MACON-BIBB COUNTY FOR THIS PHASE AND NOTIFY MACON-BIBB COUNTY 48 HOURS PRIOR TO BEGINNING THE LAND DISTURBANCE ACTIVITY.
2. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE.
3. CONTRACTOR SHALL LIMIT UNSTABILIZED WORK AREAS TO 50 ACRES MAXIMUM DURING THIS PHASE.
4. REMOVE AND REPLACE EXISTING SANITARY SEWER MANHOLES AND PIPES. SEE SHEETS C178 TO C177.
5. INSTALL PROPOSED CONCRETE WALL, COMPLETE GRADING AND INSTALL CLOSED DRAINAGE.
6. INSTALL CHECK DAMS AS SOON AS DITCHES ARE GRADED.
7. INSTALL TEMPORARY DOWNDRAINS ON THE TOP OF THE EMBANKMENT AS SOON AS ROUGH GRADING IS COMPLETE AND REMOVE ONCE PERMANENT CLOSED DRAINAGE SYSTEM IS INSTALLED.
8. INSTALL RIPRAP OUTLET PROTECTION AND FILTER RINGS ON ALL PROPOSED FLARED END SECTION AND TEMPORARY INLET PROTECTION ON ALL NEW DROP INLETS.

GRADING NOTES:

1. TOPSOIL WITHIN THE GRADING AREA SHALL BE STRIPPED 4" AND PLACED AT THE TEMPORARY STOCKPILE SHOWN. THERE WILL BE NO SEPARATE PAYMENT FOR RE-HANDLING TOPSOIL. ALL WORK ASSOCIATED WITH TOPSOIL STRIPPING, STOCKPILING AND FINAL PLACEMENT SHALL BE PAID FOR UNDER THE "TOPSOIL STRIPPING (ON-SITE STRIPPING AND FINAL PLACEMENT)" ITEM OF WORK.
2. ANY DAMAGE TO EXISTING UTILITIES SHALL BE PROMPTLY REPAIRED AT NO COST TO THE OWNER.
3. SUBGRADE MATERIAL FOUND TO BE UNSUITABLE SHALL BE REMOVED AT THE DIRECTION OF THE ENGINEER. PAYMENT FOR REMOVAL AND BACKFILL OF UNSUITABLE MATERIAL SHALL BE MADE UNDER THE "UNSUITABLE EXCAVATION" ITEM OF WORK. REMOVED UNSUITABLE MATERIAL SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND PAID FOR UNDER THE "EMBANKMENT IN PLACE (ONSITE BORROW), PLACED AND COMPACTED, COMPLETE" ITEM OF WORK.
4. UNDERCUT GEOGRID SHALL BE TENSAR BX 1100 OR APPROVED EQUAL AND INSTALLED AS DIRECTED BY ENGINEER.
5. ALL UNSUITABLE EXCAVATION MATERIAL SHALL BE DISPOSED OF OFF AIRPORT PROPERTY.
6. STOCKPILED MATERIAL, EXCLUDING TOPSOIL STOCKPILE, SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH SPECIFICATION P-152.
7. SEE SHEET C184 FOR PROPOSED MSE WALL PLAN AND PROFILE AND C185 FOR PROPOSED MSE WALL DETAILS.



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PRINCIPAL IN CHARGE BRAD WENTE, P.E.
PROJECT MANAGER STANLEY PRICE, P.E.
DESIGNED BY TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24

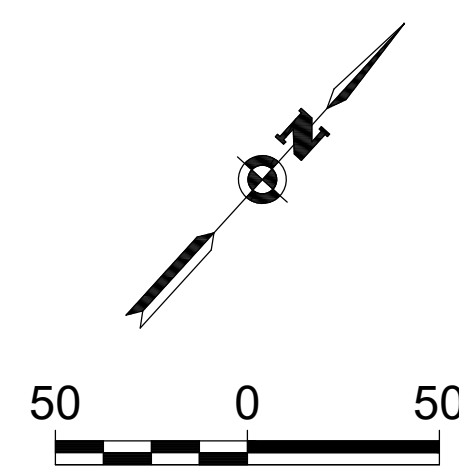
**BID DOCUMENTS -
DO NOT USE FOR CONSTRUCTION**

ENGINEER OF RECORD:

SUBMITTAL:

**BID DOCUMENTS -
DO NOT USE FOR CONSTRUCTION**

NORTH ARROW AND SCALE:



PROJECT:

**BASE BID: GRADING,
DRAINAGE AND
UTILITIES FOR
RUNWAY 5 EXTENSION**

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA
REGIONAL AIRPORT (MCN)
MACON-BIBB COUNTY, GEORGIA

REVISIONS			
No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
**PHASE III GRADING,
DRAINAGE AND EROSION
CONTROL - SHEET 3**

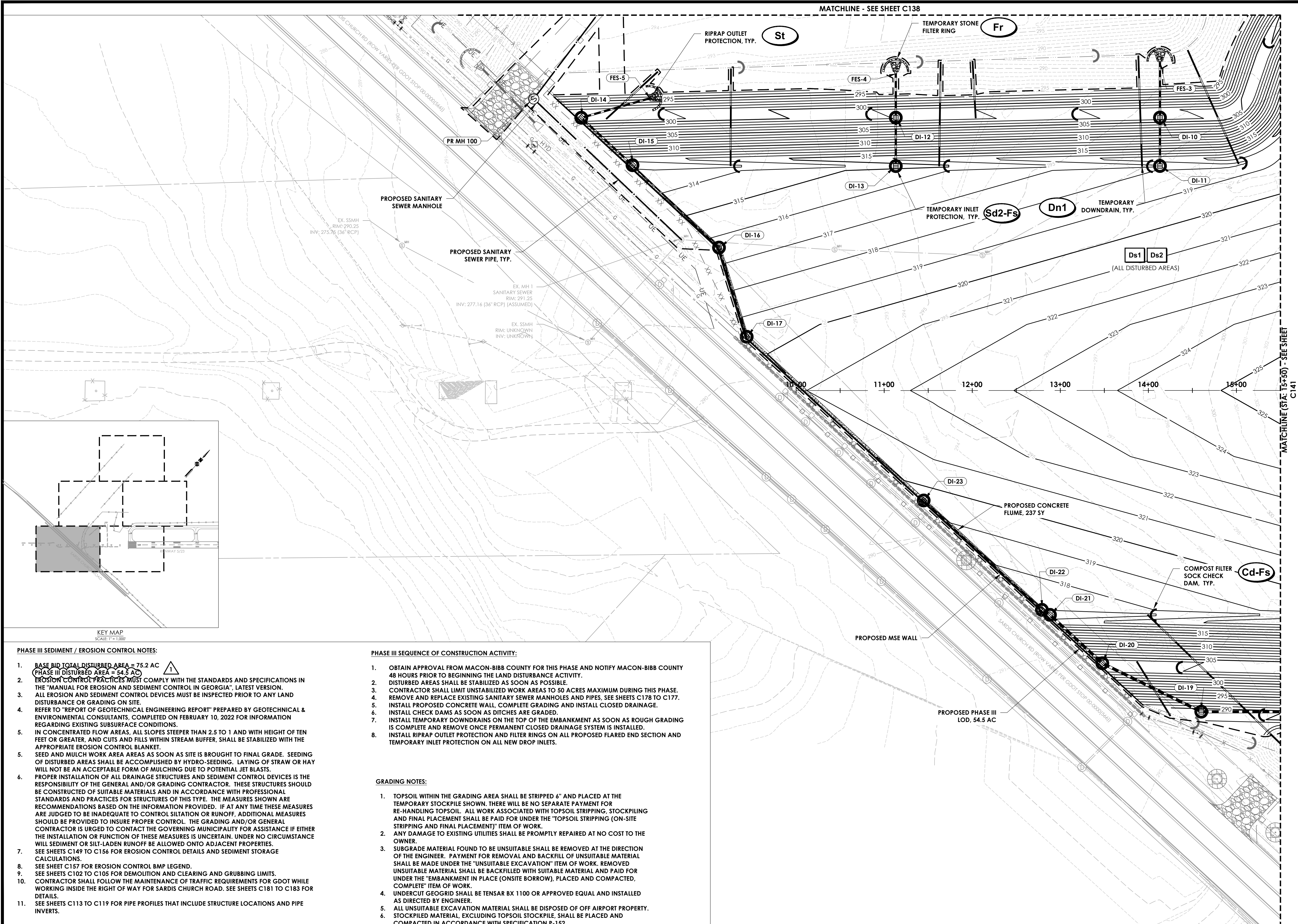
SHEET:
C139

PROJECT NO.:
20202946.0003

DATE:
MAY 2023

1/17/2023 10:00 AM C:\Users\jcollins\OneDrive\Documents\20202946\0003\01 C139 - BWP - Middle Georgia Regional Airport (MCN) - Phase III Grading, Drainage and Erosion Control - Sheet 3.dwg Jun 22, 2023 - 4:59 PM
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V:\Projects\New\2020\20202946\macon-bibb-county\20202946\0003\01\CAD\BIM\modals\macon-bibb-county\20202946\0003\CIVIL\CD\CONTRACT\PHASE III GRADING, DRAINAGE AND EROSION CONTROL - SHEET 4.dwg, Jun 22, 2023, 4:49pm
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PHASE III SEDIMENT / EROSION CONTROL NOTES:

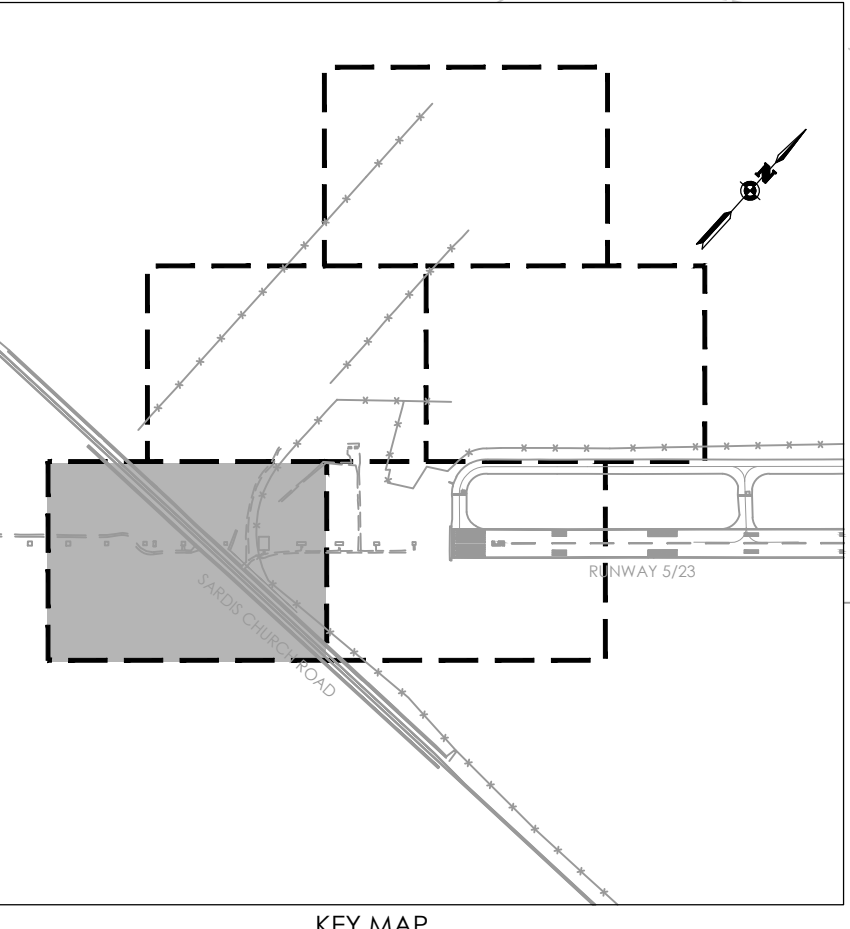
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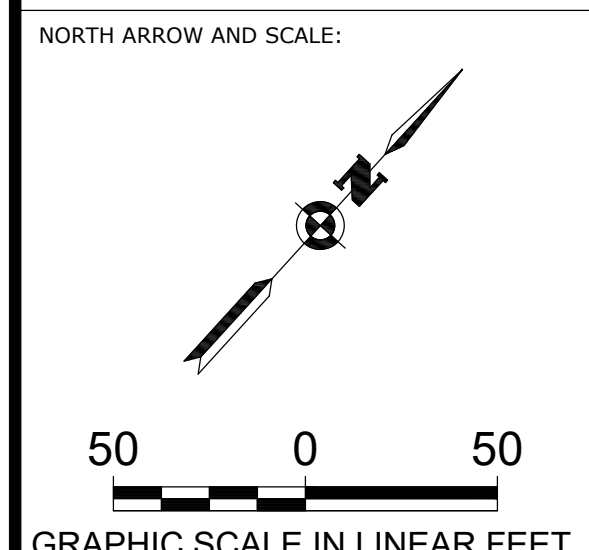
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GA COA NO.: PEF003273 EXP.: 06/30/24
 SUBMITTAL:
BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:



PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
 MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

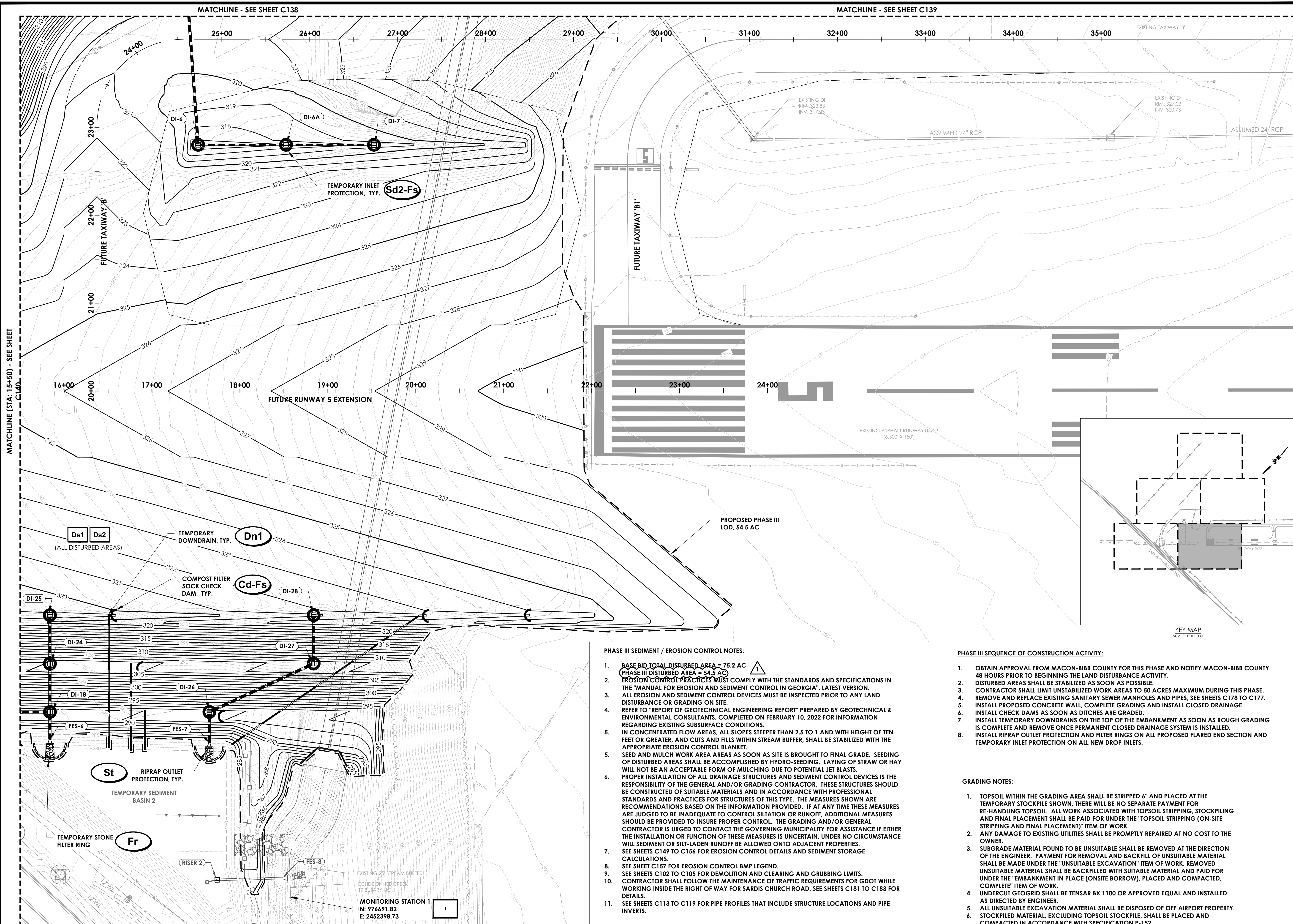
SHEET TITLE:
PHASE III GRADING, DRAINAGE AND EROSION CONTROL - SHEET 4

SHEET:
C140

PROJECT NO.:
 20202946.0003

DATE:
 MAY 2023

V:\Projects\New\2020\2020946\macon-bibb-county\2020946-0003-01-C141-1.dwg - BHW - Modifies\Person\B... 3/20/2024 10:03:00 AM
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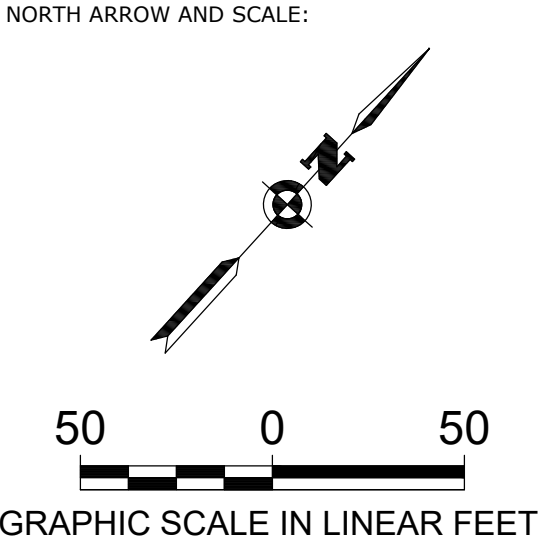
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 DESIGNED BY TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24
 SUBMITTAL:
BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:



PROJECT:
BASE BID: GRADING, DRAINAGE AND UTILITIES FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
 MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
PHASE III GRADING, DRAINAGE AND EROSION CONTROL - SHEET 5

SHEET:
C141

PROJECT NO.:
 20202946.0003

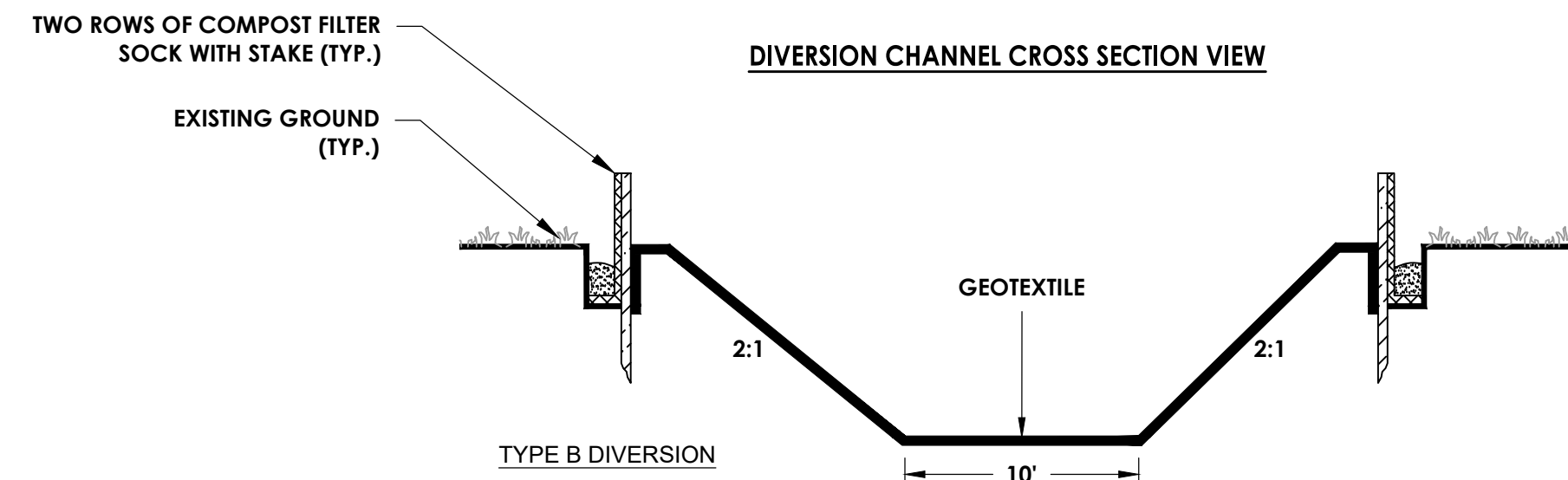
DATE:
 MAY 2023



No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

TEMPORARY STREAM DIVERSION CHANNEL MAINTENANCE NOTES:

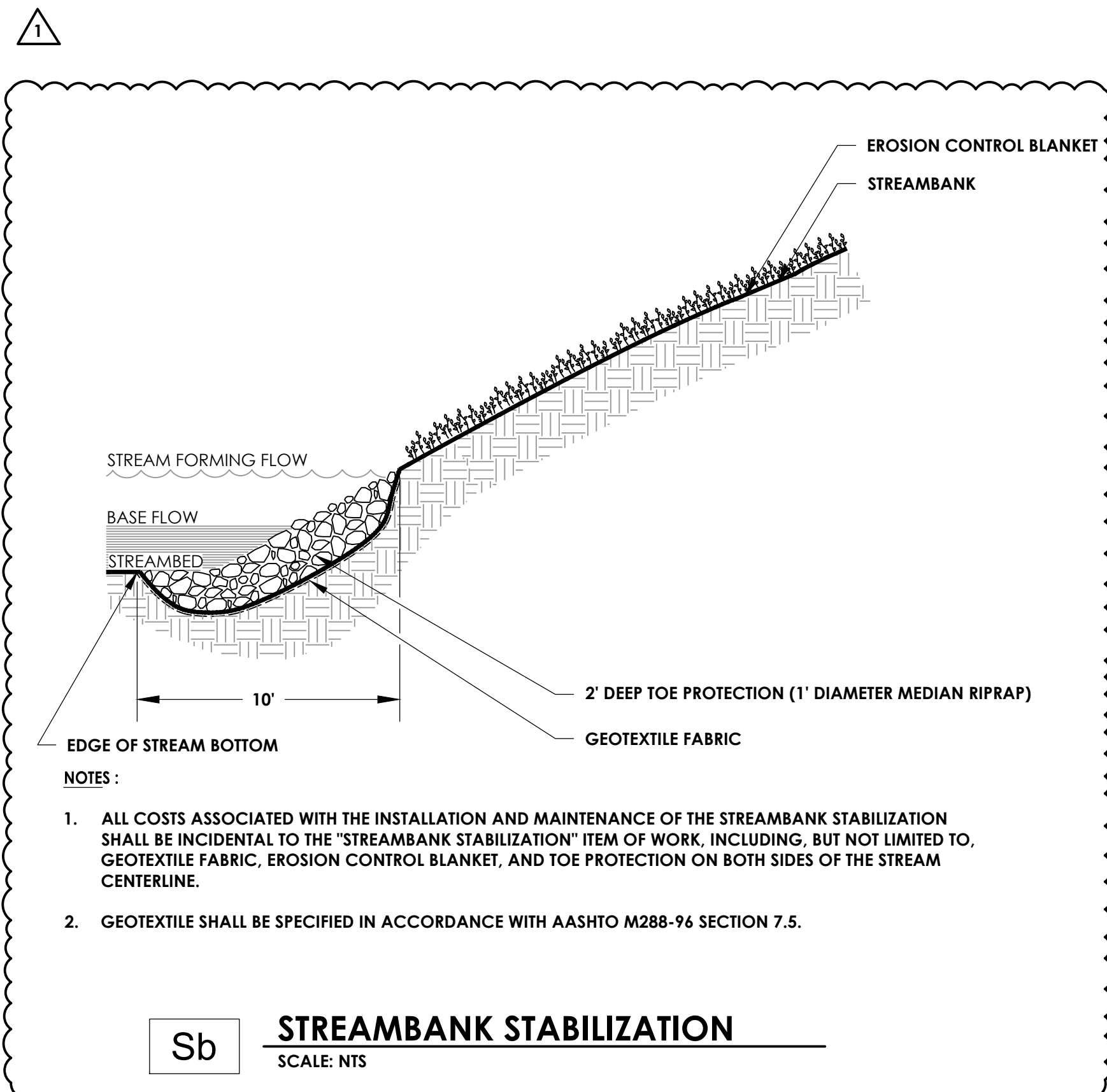
1. THE STREAM DIVERSION CHANNEL SHALL BE INSPECTED AT THE END OF EACH DAY TO MAKE SURE THAT THE CONSTRUCTION MATERIALS ARE POSITIONED SECURELY. THIS WILL ENSURE THAT THE WORK AREA STAYS DRY AND THAT NO CONSTRUCTION MATERIALS FLOAT DOWNSTREAM. ALL REPAIRS SHALL BE MADE IMMEDIATELY.



STREAM DIVERSION CHANNEL CONSTRUCTION NOTES:

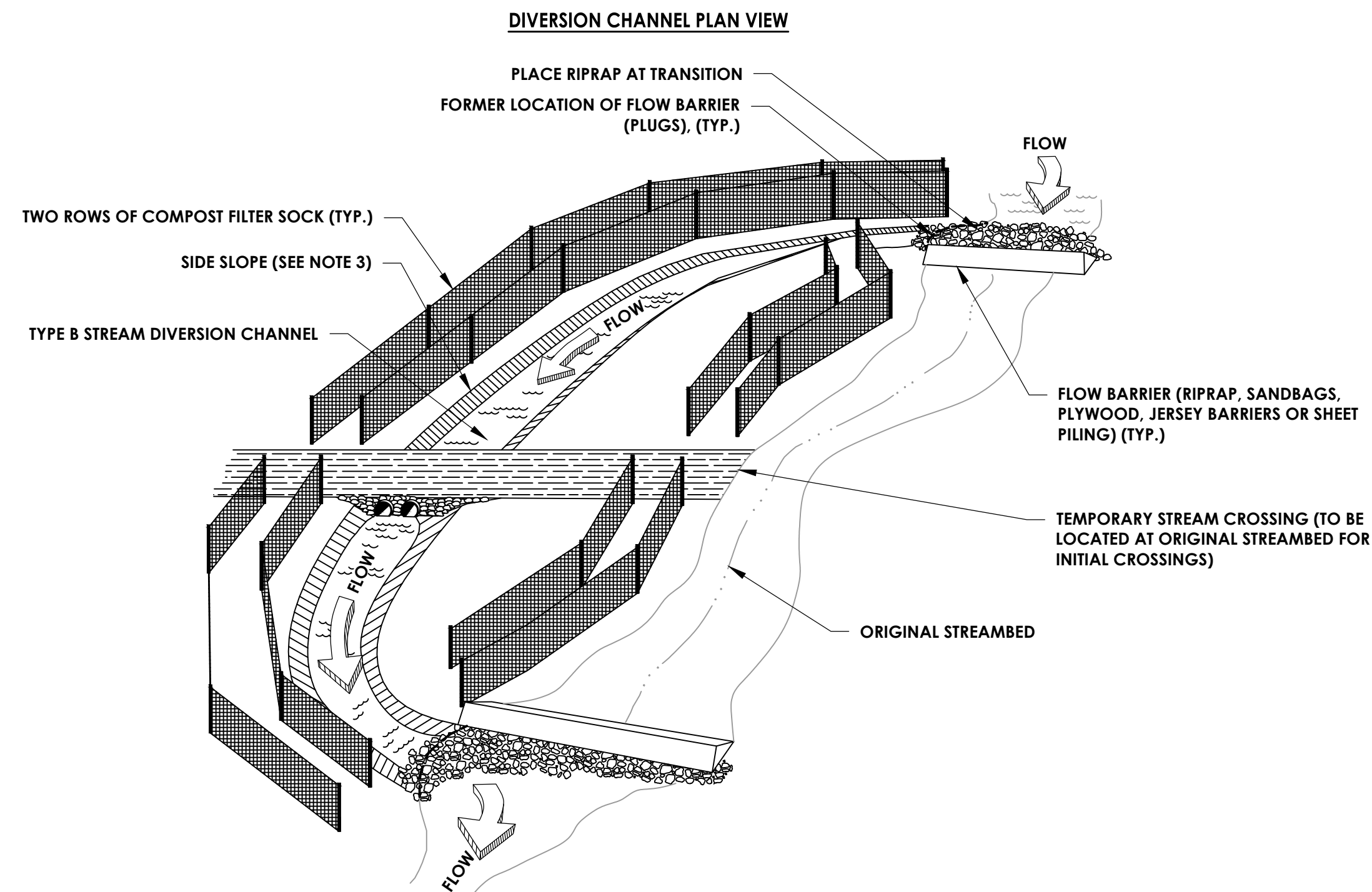
1. THE BOTTOM WIDTH OF THE STREAM DIVERSION SHALL BE A MINIMUM OF SIX FEET OR EQUAL TO THE BOTTOM WIDTH OF THE EXISTING STREAMBED (WHICHEVER IS GREATER).
2. SIDE SLOPES OF THE STREAM DIVERSION CHANNEL SHALL BE NO STEEPER THAN 2:1.
3. THE CHANNEL SHALL BE EXCAVATED, CONSTRUCTING PLUGS AT BOTH ENDS.
4. TWO ROWS OF TYPE S SEDIMENT BARRIERS SHALL BE PLACED ALONG THE SIDES OF THE CHANNEL TO PREVENT UNFILTERED RUNOFF FROM ENTERING THE STREAM.
5. THE CHANNEL SURFACE SHALL BE SMOOTH (TO PREVENT TEARING OF THE LINER) AND LINED WITH THE MATERIAL SPECIFIED IN THE PLANS.
6. THE PLUGS ARE REMOVED WHEN THE LINER INSTALLATION IS COMPLETE (REMOVING THE DOWNSTREAM PLUG FIRST).
7. GEOTEXTILE SHALL BE SPECIFIED IN ACCORDANCE WITH AASHTO M288-96 SECTION 7.5.
8. ALL COSTS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE AND REMOVAL OF STREAM DIVERSION CHANNEL (EXCLUDING TEMPORARY STREAM CROSSINGS) SHALL BE INCIDENTAL TO THE "TEMPORARY STREAM DIVERSION CHANNEL, COMPLETE" ITEM OF WORK, INCLUDING, BUT NOT LIMITED TO, GRADING, RIPRAP, GEOTEXTILE, PLUGS, AND COMPOST FILTER SOCK.

Dc STREAM DIVERSION CHANNEL
SCALE: NTS

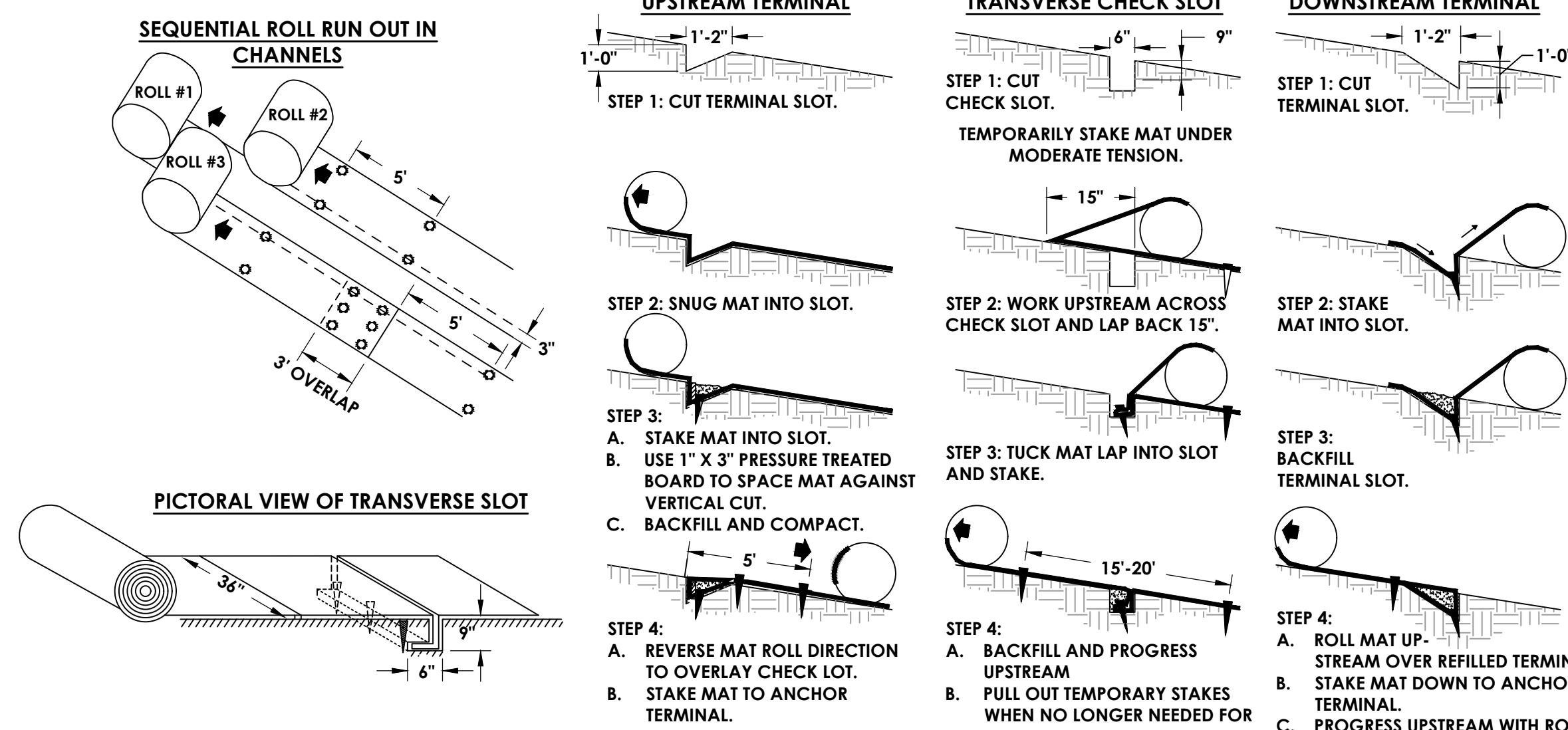


- NOTES:
1. ALL COSTS ASSOCIATED WITH THE INSTALLATION AND MAINTENANCE OF THE STREAMBANK STABILIZATION SHALL BE INCIDENTAL TO THE "STREAMBANK STABILIZATION" ITEM OF WORK, INCLUDING, BUT NOT LIMITED TO, GEOTEXTILE FABRIC, EROSION CONTROL BLANKET, AND TOE PROTECTION ON BOTH SIDES OF THE STREAM CENTERLINE.
 2. GEOTEXTILE SHALL BE SPECIFIED IN ACCORDANCE WITH AASHTO M288-96 SECTION 7.5.

Sb STREAMBANK STABILIZATION
SCALE: NTS



BLANKET AND MATTING CROSS-SECTIONS



EROSION CONTROL MAINTENANCE NOTES:

1. ALL EROSION CONTROL BLANKETS SHOULD BE INSPECTED PERIODICALLY FOLLOWING INSTALLATION, PARTICULARLY AFTER RAINSTORMS TO CHECK FOR EROSION AND UNDERMINING. ANY DISLOCATION OR FAILURE SHOULD BE REPAIRED IMMEDIATELY. IF WASHOUTS OR BREAKAGE OCCURS, REINSTALL THE MATERIAL AFTER REPAIRING DAMAGE TO THE SLOPE OR THE DITCH. CONTINUE TO MONITOR THESE AREAS UNTIL THE BECOME PERMANENTLY STABILIZING.

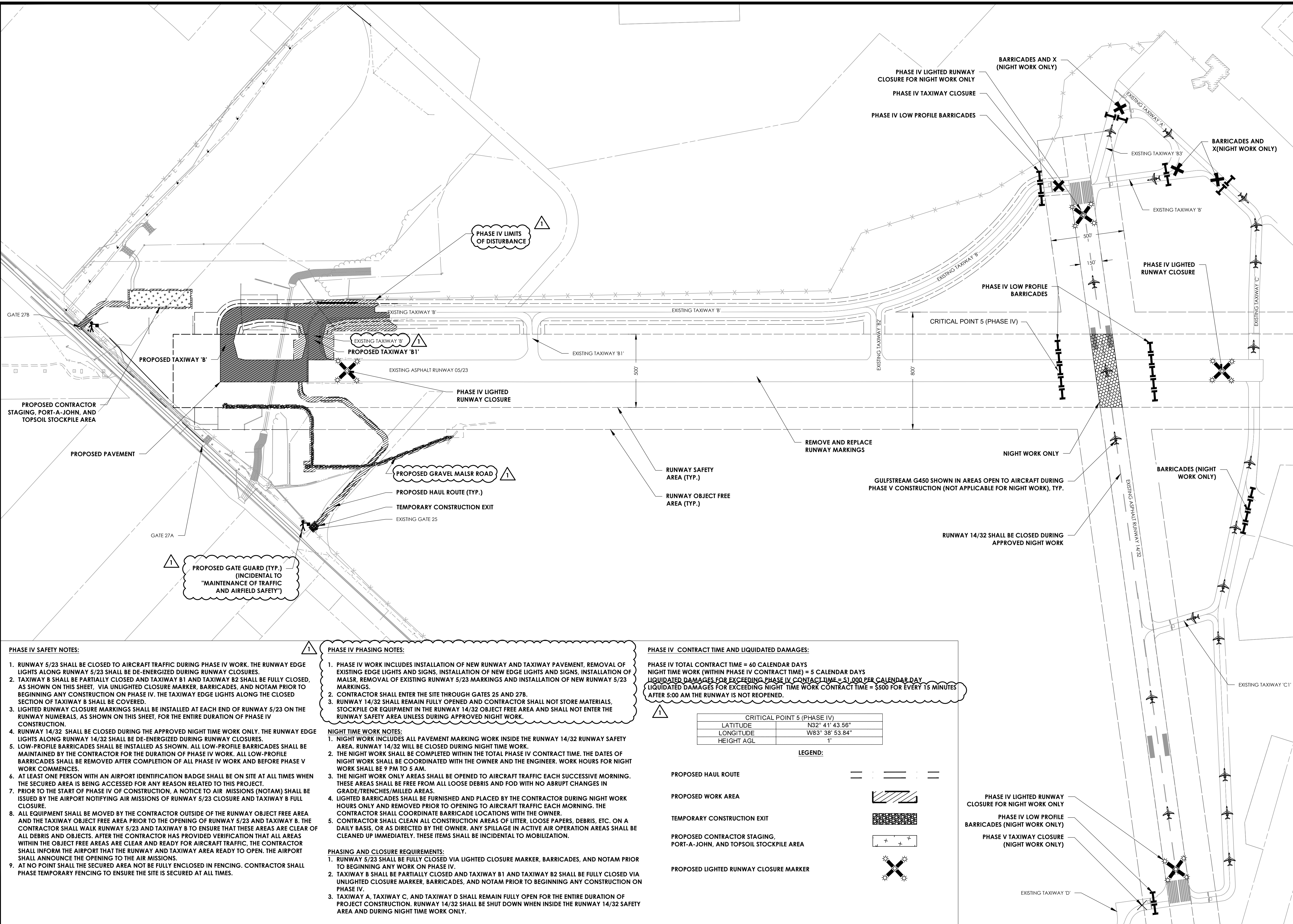
EROSION CONTROL BLANKET CONSTRUCTION NOTES:

1. CONTRACTOR SHALL REMOVE ANY CLODS AND ROCKS GREATER THAN ONE INCH IN DIAMETER FROM FINAL GRADE, PRIOR TO PLACING EROSION CONTROL BLANKET.
2. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
3. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID-CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
4. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND THE FIRST ROLL. USE THE CENTER ROLL FOR ALIGNMENT TO THE CHANNEL CENTER.
5. WORK OUTWARDS FROM THE CHANNEL CENTER TO THE EDGE.
6. USE 3" OVERLAPS AND STAKE AT 5' INTERVALS ALONG THE SEAMS.
7. USE 3" OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT THE LINING AT THE ROLL ENDS.
8. BLANKETS SHALL BE NONTOXIC TO VEGETATION, SEED OR WILDLIFE AND IN ACCORDANCE WITH EPA-821-R-02-012.
9. CONTRACTOR SHALL APPLY EROSION CONTROL BLANKET WITHIN 24 HOUR OF SEEDING.
10. MATERIAL FOR EROSION CONTROL BLANKET SHALL BE 70% STRAW AND 30% COCONUT WITH A TOP AND BOTTOM SIDE BIODEGRADABLE JUTE NET.
11. THE TOP SIDE NET SHALL BE LENO WEAVE.
12. THE APPROXIMATE SIZE OF THE MESH SHOULD BE OPENINGS OF 0.50" X 1.0" AND SEWN TOGETHER ON 1.5" CENTERS WITH BIODEGRADABLE THREAD.
13. MINIMUM THICKNESS OF THE BLANKET SHALL BE 0.25" AND MINIMUM DENSITY SHALL BE 0.65 LBS PER SQUARE YARD.

Ss EROSION CONTROL BLANKET INSTALLATION
SCALE: NTS

11/19/2023 New 2023/02/07/2024 Macomb-Bibb County 20202946.0003/01 C:\A2 - BNA - Modish\Aerpor\BIB_20202946\003_28\FINALS.dwg Jun 27, 2023 4:46pm
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PHASE IV SAFETY NOTES:

- RUNWAY 5/23 SHALL BE CLOSED TO AIRCRAFT TRAFFIC DURING PHASE IV WORK. THE RUNWAY EDGE LIGHTS ALONG RUNWAY 5/23 SHALL BE DE-ENERGIZED DURING RUNWAY CLOSURES.
- TAXIWAY B SHALL BE PARTIALLY CLOSED AND TAXIWAY B1 AND TAXIWAY B2 SHALL BE FULLY CLOSED, AS SHOWN ON THIS SHEET. VIA UNLIGHTED CLOSURE MARKER, BARRICADES, AND NOTAM PRIOR TO BEGINNING ANY CONSTRUCTION ON PHASE IV. THE TAXIWAY EDGE LIGHTS ALONG THE CLOSED SECTION OF TAXIWAY B SHALL BE COVERED.
- LIGHTED RUNWAY CLOSURE MARKINGS SHALL BE INSTALLED AT EACH END OF RUNWAY 5/23 ON THE RUNWAY NUMERALS, AS SHOWN ON THIS SHEET, FOR THE ENTIRE DURATION OF PHASE IV CONSTRUCTION.
- RUNWAY 14/32 SHALL BE CLOSED DURING THE APPROVED NIGHT TIME WORK ONLY. THE RUNWAY EDGE LIGHTS ALONG RUNWAY 14/32 SHALL BE DE-ENERGIZED DURING RUNWAY CLOSURES.
- LOW-PROFILE BARRICADES SHALL BE INSTALLED AS SHOWN. ALL LOW-PROFILE BARRICADES SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF PHASE IV WORK. ALL LOW-PROFILE BARRICADES SHALL BE REMOVED AFTER COMPLETION OF ALL PHASE IV WORK AND BEFORE PHASE V WORK COMMENCES.
- AT LEAST ONE PERSON WITH AN AIRPORT IDENTIFICATION BADGE SHALL BE ON SITE AT ALL TIMES WHEN THE SECURED AREA IS BEING ACCESSED FOR ANY REASON RELATED TO THIS PROJECT.
- PRIOR TO THE START OF PHASE IV OF CONSTRUCTION, A NOTICE TO AIR MISSIONS (NOTAM) SHALL BE ISSUED BY THE AIRPORT NOTIFYING AIR MISSIONS OF RUNWAY 5/23 CLOSURE AND TAXIWAY B FULL CLOSURE.
- ALL EQUIPMENT SHALL BE MOVED BY THE CONTRACTOR OUTSIDE OF THE RUNWAY OBJECT FREE AREA AND THE TAXIWAY OBJECT FREE AREA PRIOR TO THE OPENING OF RUNWAY 5/23 AND TAXIWAY B. THE CONTRACTOR SHALL WALK RUNWAY 5/23 AND TAXIWAY B TO ENSURE THAT THESE AREAS ARE CLEAR OF ALL DEBRIS AND OBJECTS. AFTER THE CONTRACTOR HAS PROVIDED VERIFICATION THAT ALL AREAS WITHIN THE OBJECT FREE AREAS ARE CLEAR AND READY FOR AIRCRAFT TRAFFIC, THE CONTRACTOR SHALL INFORM THE AIRPORT THAT THE RUNWAY AND TAXIWAY AREA READY TO OPEN. THE AIRPORT SHALL ANNOUNCE THE OPENING TO THE AIR MISSIONS.
- AT NO POINT SHALL THE SECURED AREA NOT BE FULLY ENCLOSED IN FENCING. CONTRACTOR SHALL PHASE TEMPORARY FENCING TO ENSURE THE SITE IS SECURED AT ALL TIMES.

PHASE IV PHASING NOTES:

- PHASE IV WORK INCLUDES INSTALLATION OF NEW RUNWAY AND TAXIWAY PAVEMENT, REMOVAL OF EXISTING EDGE LIGHTS AND SIGNS, INSTALLATION OF NEW EDGE LIGHTS AND SIGNS, INSTALLATION OF MAISR, REMOVAL OF EXISTING RUNWAY 5/23 MARKINGS AND INSTALLATION OF NEW RUNWAY 5/23 MARKINGS.
- CONTRACTOR SHALL ENTER THE SITE THROUGH GATES 25 AND 27B.
- RUNWAY 14/32 SHALL REMAIN FULLY OPENED AND CONTRACTOR SHALL NOT STORE MATERIALS, STOCKPILE OR EQUIPMENT IN THE RUNWAY 14/32 OBJECT FREE AREA AND SHALL NOT ENTER THE RUNWAY SAFETY AREA UNLESS DURING APPROVED NIGHT WORK.

NIGHT TIME WORK NOTES:

- NIGHT WORK INCLUDES ALL PAVEMENT MARKING WORK INSIDE THE RUNWAY 14/32 RUNWAY SAFETY AREA. RUNWAY 14/32 WILL BE CLOSED DURING NIGHT TIME WORK.
- THE NIGHT WORK SHALL BE COMPLETED WITHIN THE TOTAL PHASE IV CONTRACT TIME. THE DATES OF NIGHT WORK SHALL BE COORDINATED WITH THE OWNER AND THE ENGINEER. WORK HOURS FOR NIGHT WORK SHALL BE 9 PM TO 5 AM.
- THE NIGHT WORK ONLY AREAS SHALL BE OPENED TO AIRCRAFT TRAFFIC EACH SUCCESSIVE MORNING. THESE AREAS SHALL BE FREE FROM ALL LOOSE DEBRIS AND FOD WITH NO ABRUPT CHANGES IN GRADE/TRENCHES/MILLED AREAS.
- LIGHTED BARRICADES SHALL BE FURNISHED AND PLACED BY THE CONTRACTOR DURING NIGHT WORK HOURS ONLY AND REMOVED PRIOR TO OPENING TO AIRCRAFT TRAFFIC EACH MORNING. THE CONTRACTOR SHALL COORDINATE BARRICADE LOCATIONS WITH THE OWNER.
- CONTRACTOR SHALL CLEAN ALL CONSTRUCTION AREAS OF LITTER, LOOSE PAPERS, DEBRIS, ETC. ON A DAILY BASIS, OR AS DIRECTED BY THE OWNER. ANY SPILLAGE IN ACTIVE AIR OPERATION AREAS SHALL BE CLEANED UP IMMEDIATELY. THESE ITEMS SHALL BE INCIDENTAL TO MOBILIZATION.

PHASING AND CLOSURE REQUIREMENTS:

- RUNWAY 5/23 SHALL BE FULLY CLOSED VIA LIGHTED CLOSURE MARKER, BARRICADES, AND NOTAM PRIOR TO BEGINNING ANY WORK ON PHASE IV.
- TAXIWAY B SHALL BE PARTIALLY CLOSED AND TAXIWAY B1 AND TAXIWAY B2 SHALL BE FULLY CLOSED VIA UNLIGHTED CLOSURE MARKER, BARRICADES, AND NOTAM PRIOR TO BEGINNING ANY CONSTRUCTION ON PHASE IV.
- TAXIWAY A, TAXIWAY C, AND TAXIWAY D SHALL REMAIN FULLY OPEN FOR THE ENTIRE DURATION OF PROJECT CONSTRUCTION. RUNWAY 14/32 SHALL BE SHUT DOWN WHEN INSIDE THE RUNWAY 14/32 SAFETY AREA AND DURING NIGHT TIME WORK ONLY.

PHASE IV CONTRACT TIME AND LIQUIDATED DAMAGES:

PHASE IV TOTAL CONTRACT TIME = 60 CALENDAR DAYS
 NIGHT TIME WORK (WITHIN PHASE IV CONTRACT TIME) = 5 CALENDAR DAYS
 LIQUIDATED DAMAGES FOR EXCEEDING PHASE IV CONTRACT TIME = \$1,000 PER CALENDAR DAY
 LIQUIDATED DAMAGES FOR EXCEEDING NIGHT TIME WORK CONTRACT TIME = \$500 FOR EVERY 15 MINUTES
 AFTER 5:00 AM THE RUNWAY IS NOT REOPENED.

CRITICAL POINT 5 (PHASE IV)	
LATITUDE	N32° 41' 43.56"
LONGITUDE	W83° 38' 53.84"
HEIGHT AGL	1'

LEGEND:

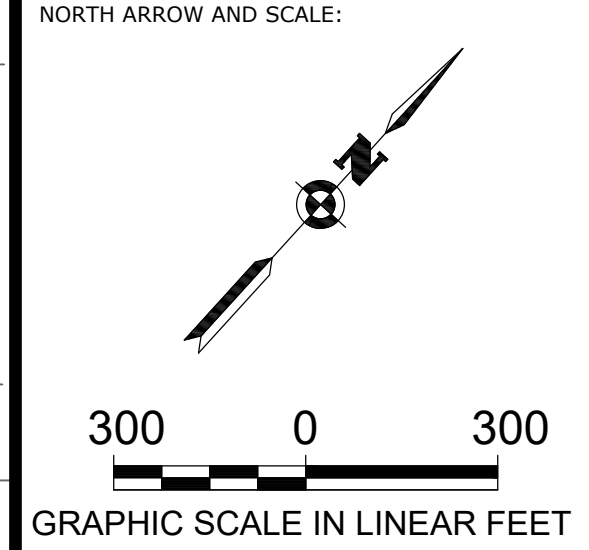
- PROPOSED HAUL ROUTE
- PROPOSED WORK AREA
- TEMPORARY CONSTRUCTION EXIT
- PROPOSED CONTRACTOR STAGING, PORT-A-JOHN, AND TOPSOIL STOCKPILE AREA
- PROPOSED LIGHTED RUNWAY CLOSURE MARKER
- PHASE IV LIGHTED RUNWAY CLOSURE FOR NIGHT WORK ONLY
- PHASE IV LOW PROFILE BARRICADES (NIGHT WORK ONLY)
- PHASE V TAXIWAY CLOSURE (NIGHT WORK ONLY)

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 PRINCIPAL IN CHARGE BRAD WENTE, P.E.
 PROJECT MANAGER STANLEY PRICE, P.E.
 DESIGNED BY TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24

BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:



PROJECT:
ADDITIVE ALTERNATE 1: BASE, PAVING, LIGHTING AND MARKINGS FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN) MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

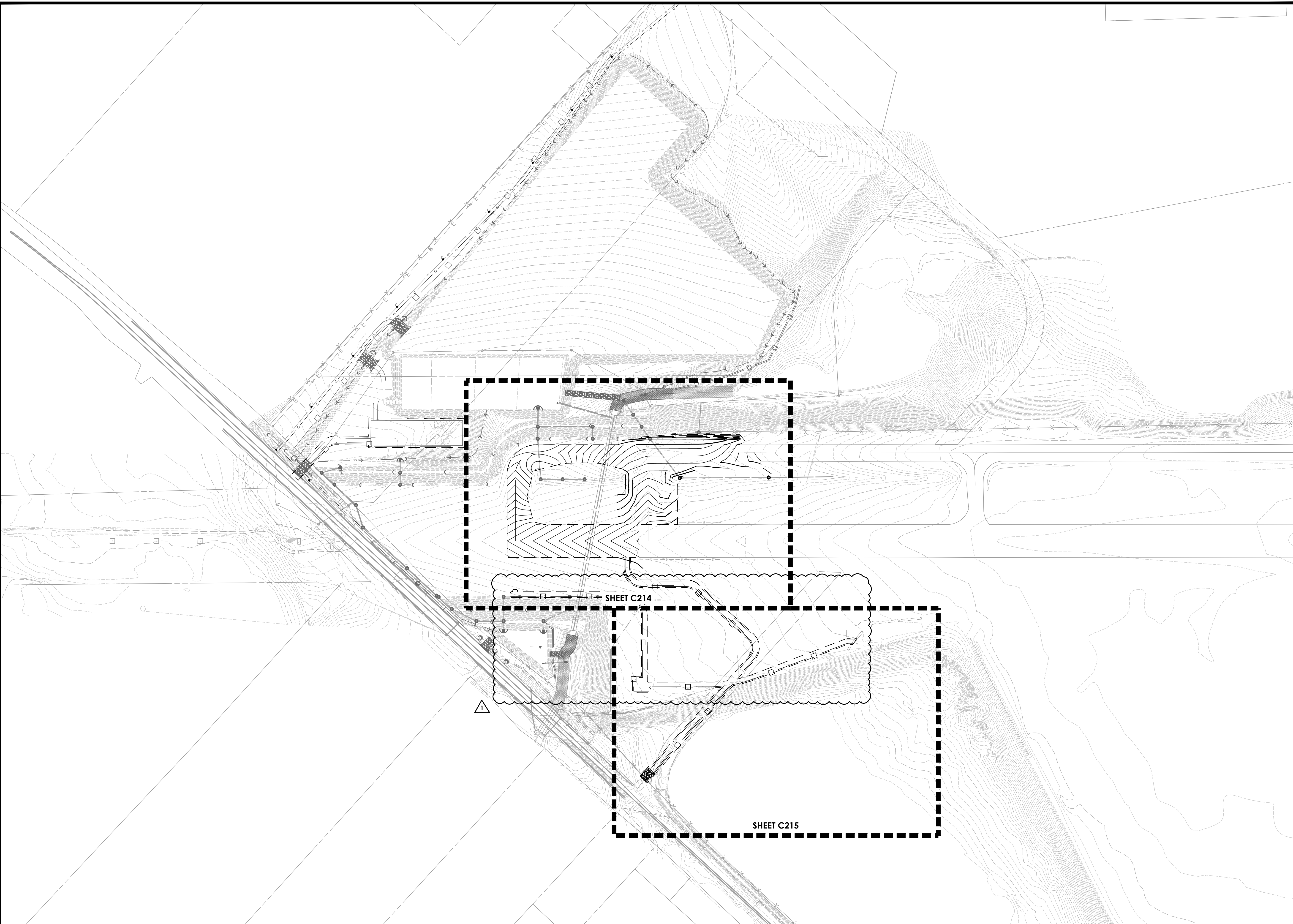
SHEET TITLE:
SAFETY AND PHASING PLAN - PHASE IV

SHEET:
PH201

PROJECT NO.:
 20202946.0003

DATE:
 MAY 2023

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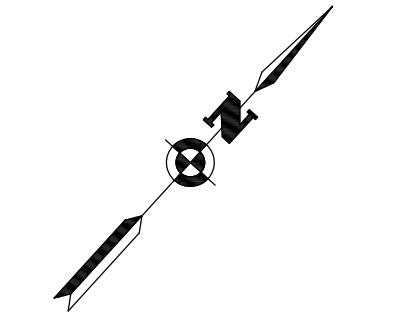
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SUBMITTAL:
**BID DOCUMENTS -
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ENGINEER OF RECORD:

NORTH ARROW AND SCALE:



200 0 200

GRAPHIC SCALE IN LINEAR FEET

PROJECT:
**ADDITIVE ALTERNATE
 1: BASE, PAVING,
 LIGHTING AND
 MARKINGS FOR
 RUNWAY 5 EXTENSION**

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA
 REGIONAL AIRPORT (MCN)
 MACON-BIBB COUNTY, GEORGIA

REVISIONS			
No.	Date	By	Description
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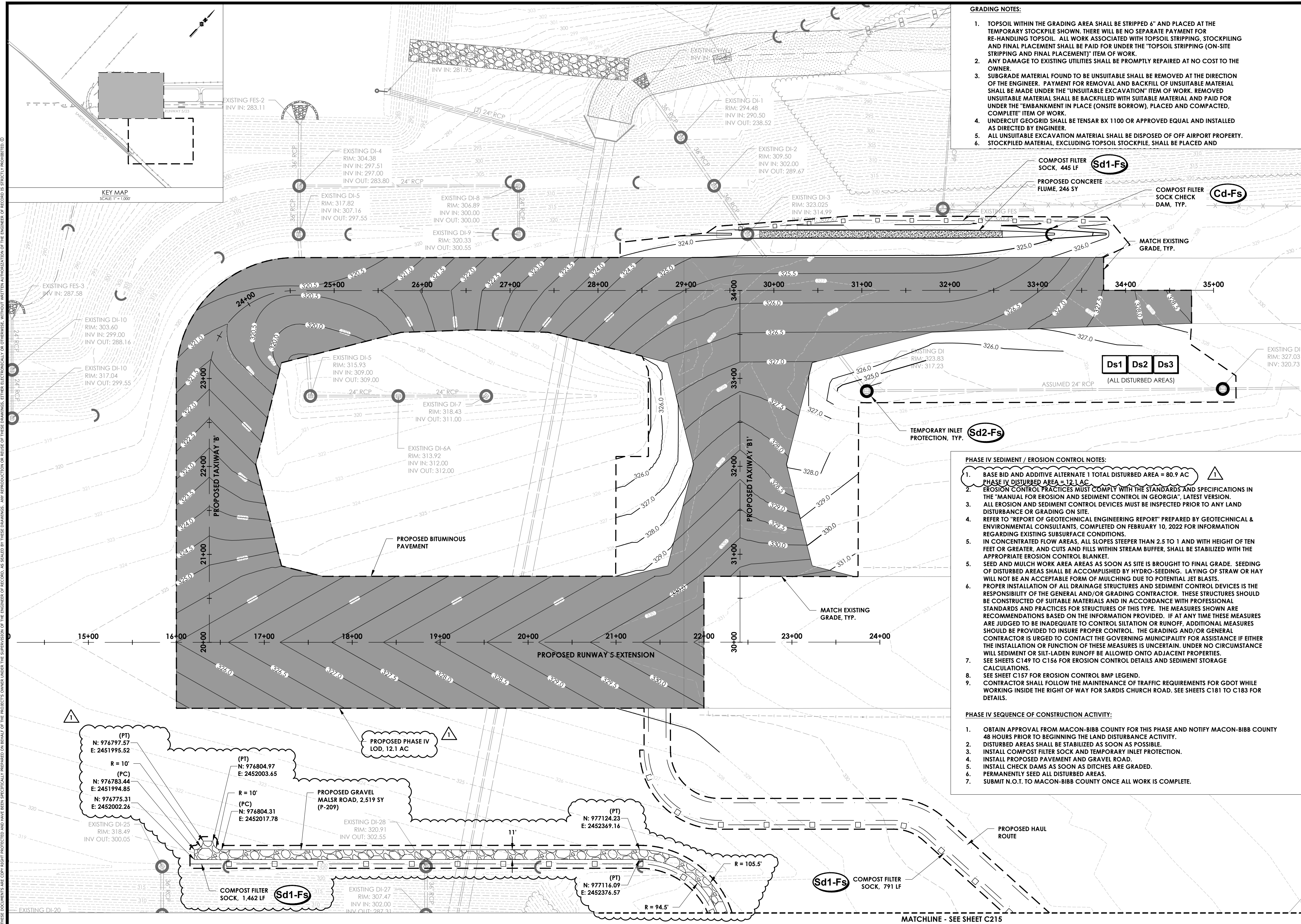
SHEET TITLE:
**PHASE IV GRADING,
 DRAINAGE AND EROSION
 CONTROL - OVERALL
 SHEET**

SHEET:
C213

PROJECT NO.:
 20202946.0003

DATE:
 MAY 2023

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- GRADING NOTES:**
1. TOPSOIL WITHIN THE GRADING AREA SHALL BE STRIPPED 6" AND PLACED AT THE TEMPORARY STOCKPILE SHOWN. THERE WILL BE NO SEPARATE PAYMENT FOR RE-HANDLING TOPSOIL. ALL WORK ASSOCIATED WITH TOPSOIL STRIPPING, STOCKPILING AND FINAL PLACEMENT SHALL BE PAID FOR UNDER THE "TOPSOIL STRIPPING (ON-SITE STRIPPING AND FINAL PLACEMENT)" ITEM OF WORK.
 2. ANY DAMAGE TO EXISTING UTILITIES SHALL BE PROMPTLY REPAIRED AT NO COST TO THE OWNER.
 3. SUBGRADE MATERIAL FOUND TO BE UNSUITABLE SHALL BE REMOVED AT THE DIRECTION OF THE ENGINEER. PAYMENT FOR REMOVAL AND BACKFILL OF UNSUITABLE MATERIAL SHALL BE MADE UNDER THE "UNSUITABLE EXCAVATION" ITEM OF WORK. REMOVED UNSUITABLE MATERIAL SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND PAID FOR UNDER THE "EMBANKMENT IN PLACE (ONSITE BORROW), PLACED AND COMPACTED, COMPLETE" ITEM OF WORK.
 4. UNDERCUT GEOGRID SHALL BE TENSAR BX 1100 OR APPROVED EQUAL AND INSTALLED AS DIRECTED BY ENGINEER.
 5. ALL UNSUITABLE EXCAVATION MATERIAL SHALL BE DISPOSED OF OFF AIRPORT PROPERTY.
 6. STOCKPILED MATERIAL, EXCLUDING TOPSOIL STOCKPILE, SHALL BE PLACED AND

- PHASE IV SEDIMENT / EROSION CONTROL NOTES:**
1. BASE BID AND ADDITIVE ALTERNATE 1 TOTAL DISTURBED AREA = 80.9 AC
PHASE IV DISTURBED AREA = 12.1 AC
 2. EROSION CONTROL PRACTICES MUST COMPLY WITH THE STANDARDS AND SPECIFICATIONS IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST VERSION.
 3. ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSPECTED PRIOR TO ANY LAND DISTURBANCE OR GRADING ON SITE.
 4. REFER TO "REPORT OF GEOTECHNICAL ENGINEERING REPORT" PREPARED BY GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, COMPLETED ON FEBRUARY 10, 2022 FOR INFORMATION REGARDING EXISTING SUBSURFACE CONDITIONS.
 5. IN CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5 TO 1 AND WITH HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFER, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL BLANKET.
 6. SEED AND MULCH WORK AREA AREAS AS SOON AS SITE IS BROUGHT TO FINAL GRADE. SEEDING OF DISTURBED AREAS SHALL BE ACCOMPLISHED BY HYDRO-SEEDING. LAYING OF STRAW OR HAY WILL NOT BE AN ACCEPTABLE FORM OF MULCHING DUE TO POTENTIAL JET BLASTS.
 7. PROPER INSTALLATION OF ALL DRAINAGE STRUCTURES AND SEDIMENT CONTROL DEVICES IS THE RESPONSIBILITY OF THE GENERAL AND/OR GRADING CONTRACTOR. THESE STRUCTURES SHOULD BE CONSTRUCTED OF SUITABLE MATERIALS AND IN ACCORDANCE WITH PROFESSIONAL STANDARDS AND PRACTICES FOR STRUCTURES OF THIS TYPE. THE MEASURES SHOWN ARE RECOMMENDATIONS BASED ON THE INFORMATION PROVIDED. IF AT ANY TIME THESE MEASURES ARE JUDGED TO BE INADEQUATE TO CONTROL SILTATION OR RUNOFF, ADDITIONAL MEASURES SHOULD BE PROVIDED TO INSURE PROPER CONTROL. THE GRADING AND/OR GENERAL CONTRACTOR IS URGED TO CONTACT THE GOVERNING MUNICIPALITY FOR ASSISTANCE IF EITHER THE INSTALLATION OR FUNCTION OF THESE MEASURES IS UNCERTAIN. UNDER NO CIRCUMSTANCE WILL SEDIMENT OR SILT-LADEN RUNOFF BE ALLOWED ONTO ADJACENT PROPERTIES.
 8. SEE SHEETS C149 TO C156 FOR EROSION CONTROL DETAILS AND SEDIMENT STORAGE CALCULATIONS.
 9. SEE SHEET C157 FOR EROSION CONTROL BMP LEGEND.
 10. CONTRACTOR SHALL FOLLOW THE MAINTENANCE OF TRAFFIC REQUIREMENTS FOR GDOT WHILE WORKING INSIDE THE RIGHT OF WAY FOR SARDIS CHURCH ROAD. SEE SHEETS C181 TO C183 FOR DETAILS.

- PHASE IV SEQUENCE OF CONSTRUCTION ACTIVITY:**
1. OBTAIN APPROVAL FROM MACON-BIBB COUNTY FOR THIS PHASE AND NOTIFY MACON-BIBB COUNTY 48 HOURS PRIOR TO BEGINNING THE LAND DISTURBANCE ACTIVITY.
 2. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE.
 3. INSTALL COMPOST FILTER SOCK AND TEMPORARY INLET PROTECTION.
 4. INSTALL PROPOSED PAVEMENT AND GRAVEL ROAD.
 5. INSTALL CHECK DAMS AS SOON AS DITCHES ARE GRADED.
 6. PERMANENTLY SEED ALL DISTURBED AREAS.
 7. SUBMIT N.O.T. TO MACON-BIBB COUNTY ONCE ALL WORK IS COMPLETE.

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 PROJECT MANAGER: STANLEY PRICE, P.E.
 DESIGNED BY: TJ COLLINS, P.E.

GA COA NO.: PE0030273 EXP.: 06/30/24
 SUBMITTAL:
BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:
 NORTH ARROW AND SCALE:
 GRAPHIC SCALE IN LINEAR FEET
 50 0 50

PROJECT:
ADDITIVE ALTERNATE 1: BASE, PAVING, LIGHTING AND MARKINGS FOR RUNWAY 5 EXTENSION

CLIENT:
MACON-BIBB COUNTY



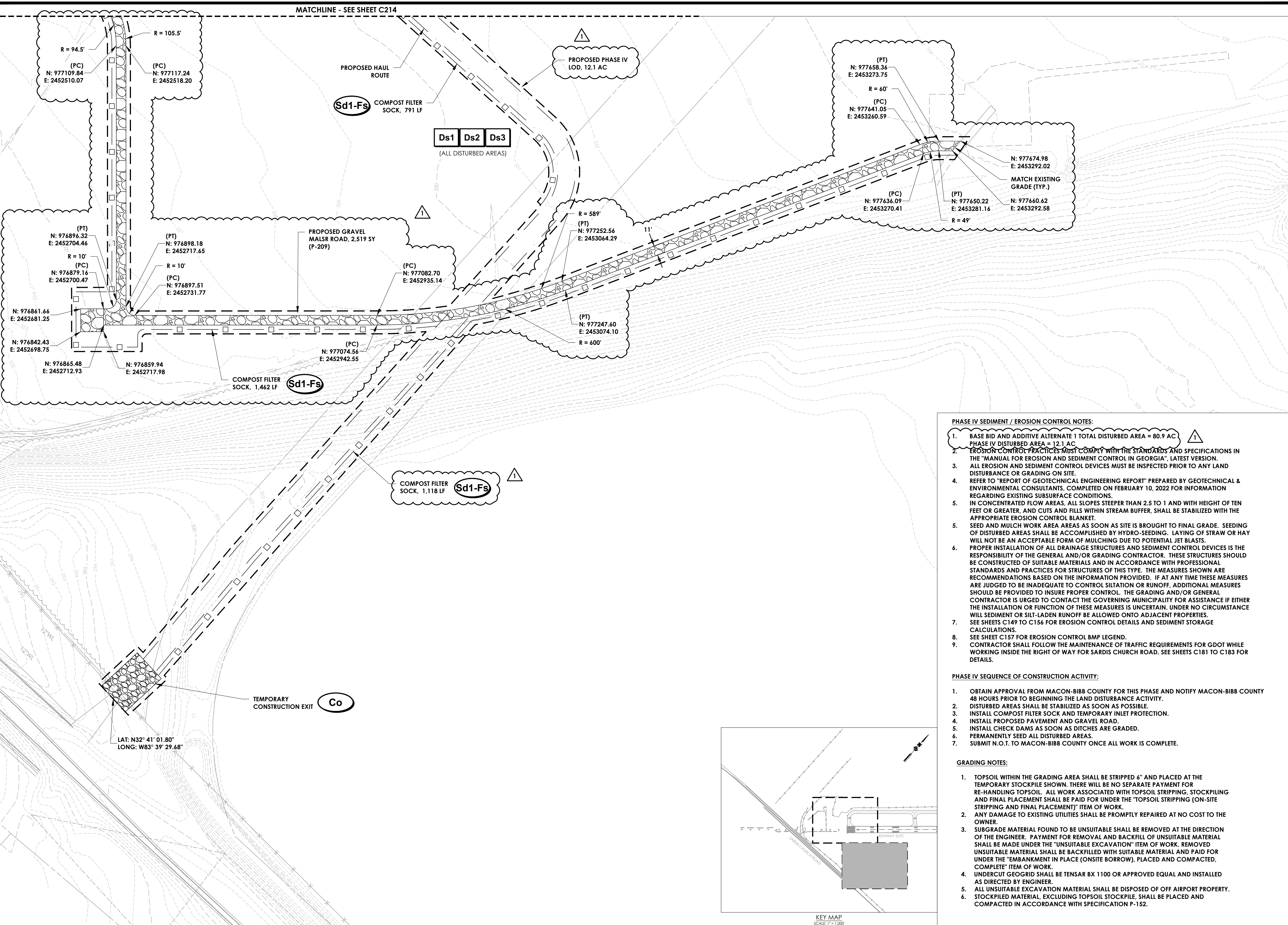
MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
 MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
PHASE IV GRADING, DRAINAGE AND EROSION CONTROL - SHEET 1
 SHEET:
C214
 PROJECT NO.:
 20202946.0003
 DATE:
 MAY 2023

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MATCHLINE - SEE SHEET C214

PROPOSED PHASE IV
LOD. 12.1 AC

Sd1-Fs
COMPOST FILTER
SOCK, 791 LF

Ds1 Ds2 Ds3
(ALL DISTURBED AREAS)

(PT)
N: 977658.36
E: 2453273.75

(PC)
N: 977641.05
E: 2453260.59

(PT)
N: 977650.22
E: 2453281.16

N: 977674.98
E: 2453292.02

MATCH EXISTING
GRADE (TYP.)

N: 977660.62
E: 2453292.58

(PT)
N: 976896.32
E: 2452704.46

(PC)
N: 976879.14
E: 2452700.47

N: 976841.66
E: 2452681.25

N: 976842.43
E: 2452698.75

N: 976865.48
E: 2452712.93

(PT)
N: 976898.18
E: 2452717.65

(PC)
N: 976897.51
E: 2452731.77

(PC)
N: 977082.70
E: 2452935.14

(PT)
N: 977247.60
E: 2453074.10

(PC)
N: 977074.56
E: 2452942.55

(PT)
N: 976859.94
E: 2452717.98

(PT)
N: 977252.56
E: 2453064.29

PROPOSED GRAVEL
MALSR ROAD, 2,519 SY
(P-209)

COMPOST FILTER
SOCK, 1,462 LF
Sd1-Fs

COMPOST FILTER
SOCK, 1,118 LF
Sd1-Fs

TEMPORARY
CONSTRUCTION EXIT
Co

LAT: N32° 41' 01.80"
LONG: W83° 39' 29.68"

PHASE IV SEDIMENT / EROSION CONTROL NOTES:

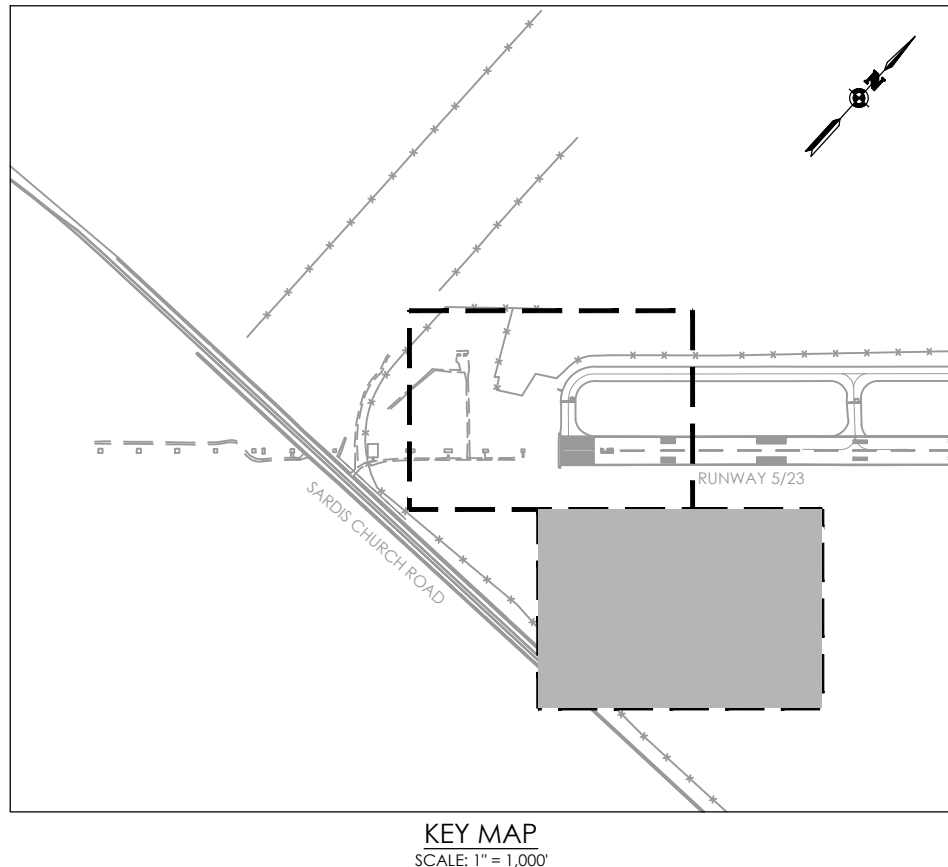
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5. SEED AND MULCH WORK AREA AREAS AS SOON AS SITE IS BROUGHT TO FINAL GRADE. SEEDING OF DISTURBED AREAS SHALL BE ACCOMPLISHED BY HYDRO-SEEDING. LAYING OF STRAW OR HAY WILL NOT BE AN ACCEPTABLE FORM OF MULCHING DUE TO POTENTIAL JET BLASTS.
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PHASE IV SEQUENCE OF CONSTRUCTION ACTIVITY:

1. OBTAIN APPROVAL FROM MACON-BIBB COUNTY FOR THIS PHASE AND NOTIFY MACON-BIBB COUNTY 48 HOURS PRIOR TO BEGINNING THE LAND DISTURBANCE ACTIVITY.
2. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE.
3. INSTALL COMPOST FILTER SOCK AND TEMPORARY INLET PROTECTION.
4. INSTALL PROPOSED PAVEMENT AND GRAVEL ROAD.
5. INSTALL CHECK DAMS AS SOON AS DITCHES ARE GRADED.
6. PERMANENTLY SEED ALL DISTURBED AREAS.
7. SUBMIT N.O.T. TO MACON-BIBB COUNTY ONCE ALL WORK IS COMPLETE.

GRADING NOTES:

1. TOPSOIL WITHIN THE GRADING AREA SHALL BE STRIPPED 6" AND PLACED AT THE TEMPORARY STOCKPILE SHOWN. THERE WILL BE NO SEPARATE PAYMENT FOR RE-HANDLING TOPSOIL. ALL WORK ASSOCIATED WITH TOPSOIL STRIPPING, STOCKPILING AND FINAL PLACEMENT SHALL BE PAID FOR UNDER THE "TOPSOIL STRIPPING (ON-SITE STRIPPING AND FINAL PLACEMENT)" ITEM OF WORK.
2. ANY DAMAGE TO EXISTING UTILITIES SHALL BE PROMPTLY REPAIRED AT NO COST TO THE OWNER.
3. SUBGRADE MATERIAL FOUND TO BE UNSUITABLE SHALL BE REMOVED AT THE DIRECTION OF THE ENGINEER. PAYMENT FOR REMOVAL AND BACKFILL OF UNSUITABLE MATERIAL SHALL BE MADE UNDER THE "UNSATURABLE EXCAVATION" ITEM OF WORK. REMOVED UNSUITABLE MATERIAL SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND PAID FOR UNDER THE "EMBANKMENT IN PLACE (ONSITE BORROW), PLACED AND COMPACTED, COMPLETE" ITEM OF WORK.
4. UNDERCUT GEOGRID SHALL BE TENSAR BX 1100 OR APPROVED EQUAL AND INSTALLED AS DIRECTED BY ENGINEER.
5. ALL UNSUITABLE EXCAVATION MATERIAL SHALL BE DISPOSED OF OFF AIRPORT PROPERTY.
6. STOCKPILED MATERIAL, EXCLUDING TOPSOIL STOCKPILE, SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH SPECIFICATION P-152.



KEY MAP
SCALE 1" = 1,000'



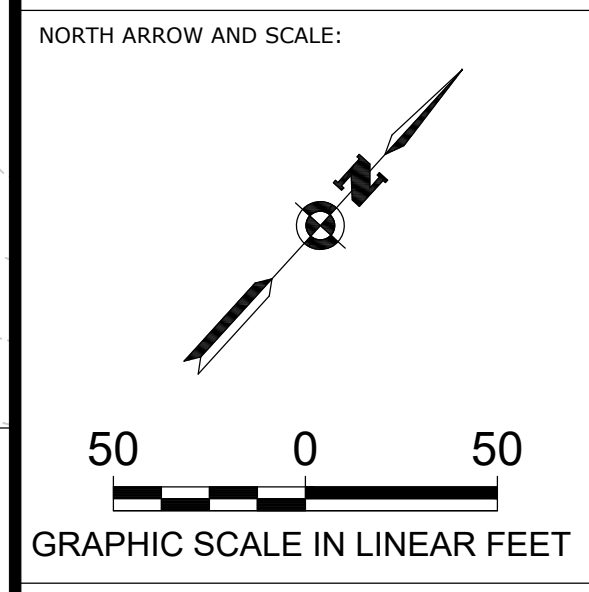
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PRINCIPAL IN CHARGE BRAD WENTE, P.E.
PROJECT MANAGER STANLEY PRICE, P.E.
DESIGNED BY TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24

SUBMITTAL:
**BID DOCUMENTS -
DO NOT USE FOR CONSTRUCTION**

ENGINEER OF RECORD:



PROJECT:
**ADDITIVE ALTERNATE
1: BASE, PAVING,
LIGHTING AND
MARKINGS FOR
RUNWAY 5 EXTENSION**

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA
REGIONAL AIRPORT (MCN)
MACON-BIBB COUNTY, GEORGIA

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

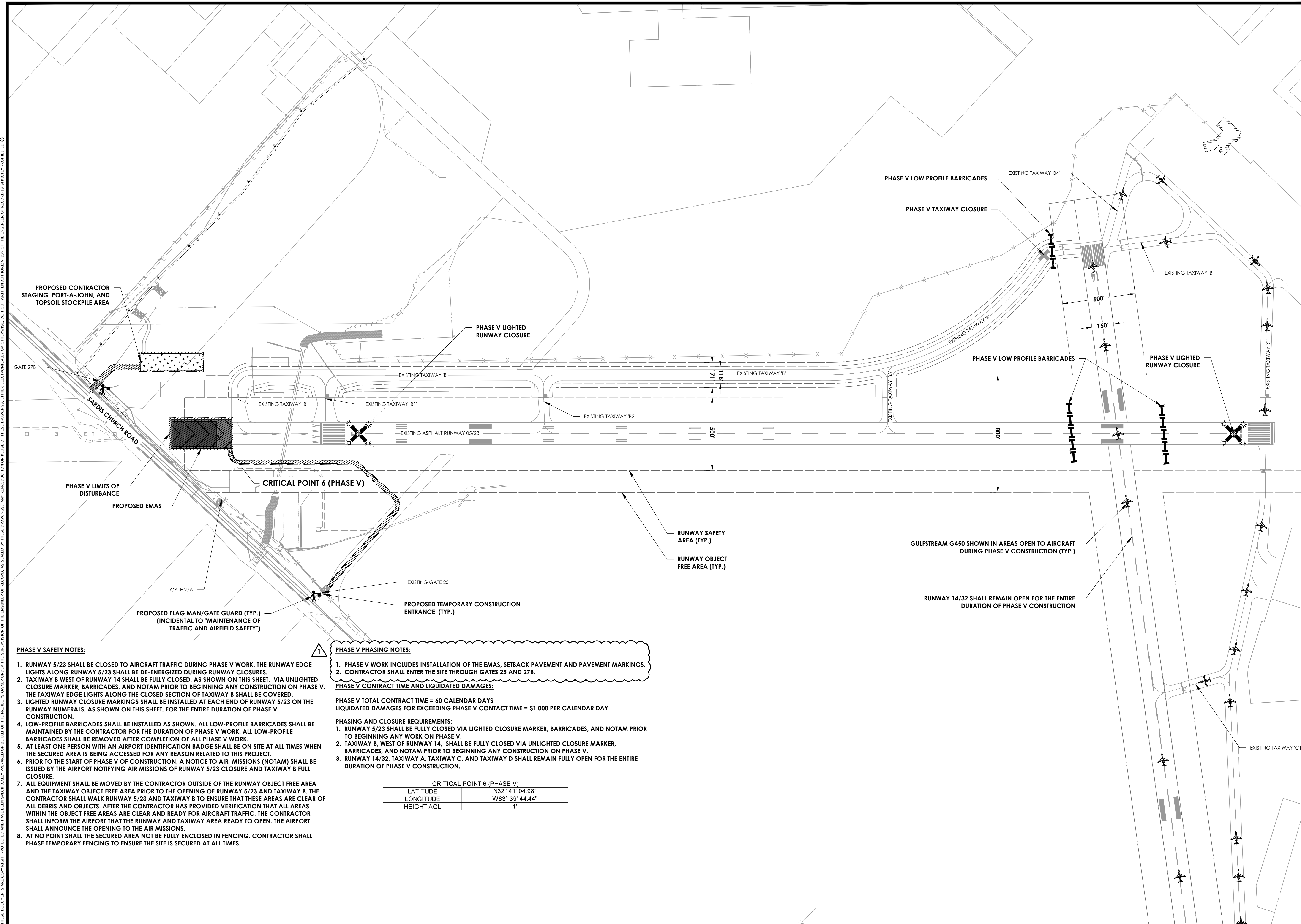
SHEET TITLE:
**PHASE IV GRADING,
DRAINAGE AND EROSION
CONTROL - SHEET 2**

SHEET:
C215

PROJECT NO.:
20202946.0003

DATE:
MAY 2023

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- PHASE V SAFETY NOTES:**
1. RUNWAY 5/23 SHALL BE CLOSED TO AIRCRAFT TRAFFIC DURING PHASE V WORK. THE RUNWAY EDGE LIGHTS ALONG RUNWAY 5/23 SHALL BE DE-ENERGIZED DURING RUNWAY CLOSURES.
 2. TAXIWAY B WEST OF RUNWAY 14 SHALL BE FULLY CLOSED, AS SHOWN ON THIS SHEET, VIA UNLIGHTED CLOSURE MARKER, BARRICADES, AND NOTAM PRIOR TO BEGINNING ANY CONSTRUCTION ON PHASE V. THE TAXIWAY EDGE LIGHTS ALONG THE CLOSED SECTION OF TAXIWAY B SHALL BE COVERED.
 3. LIGHTED RUNWAY CLOSURE MARKINGS SHALL BE INSTALLED AT EACH END OF RUNWAY 5/23 ON THE RUNWAY NUMERALS, AS SHOWN ON THIS SHEET, FOR THE ENTIRE DURATION OF PHASE V CONSTRUCTION.
 4. LOW-PROFILE BARRICADES SHALL BE INSTALLED AS SHOWN. ALL LOW-PROFILE BARRICADES SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF PHASE V WORK. ALL LOW-PROFILE BARRICADES SHALL BE REMOVED AFTER COMPLETION OF ALL PHASE V WORK.
 5. AT LEAST ONE PERSON WITH AN AIRPORT IDENTIFICATION BADGE SHALL BE ON SITE AT ALL TIMES WHEN THE SECURED AREA IS BEING ACCESSED FOR ANY REASON RELATED TO THIS PROJECT.
 6. PRIOR TO THE START OF PHASE V OF CONSTRUCTION, A NOTICE TO AIR MISSIONS (NOTAM) SHALL BE ISSUED BY THE AIRPORT NOTIFYING AIR MISSIONS OF RUNWAY 5/23 CLOSURE AND TAXIWAY B FULL CLOSURE.
 7. ALL EQUIPMENT SHALL BE MOVED BY THE CONTRACTOR OUTSIDE OF THE RUNWAY OBJECT FREE AREA AND THE TAXIWAY OBJECT FREE AREA PRIOR TO THE OPENING OF RUNWAY 5/23 AND TAXIWAY B. THE CONTRACTOR SHALL WALK RUNWAY 5/23 AND TAXIWAY B TO ENSURE THAT THESE AREAS ARE CLEAR OF ALL DEBRIS AND OBJECTS. AFTER THE CONTRACTOR HAS PROVIDED VERIFICATION THAT ALL AREAS WITHIN THE OBJECT FREE AREAS ARE CLEAR AND READY FOR AIRCRAFT TRAFFIC, THE CONTRACTOR SHALL INFORM THE AIRPORT THAT THE RUNWAY AND TAXIWAY AREA READY TO OPEN. THE AIRPORT SHALL ANNOUNCE THE OPENING TO THE AIR MISSIONS.
 8. AT NO POINT SHALL THE SECURED AREA NOT BE FULLY ENCLOSED IN FENCING. CONTRACTOR SHALL PHASE TEMPORARY FENCING TO ENSURE THE SITE IS SECURED AT ALL TIMES.

- PHASE V PHASING NOTES:**
1. PHASE V WORK INCLUDES INSTALLATION OF THE EMAS, SETBACK PAVEMENT AND PAVEMENT MARKINGS.
 2. CONTRACTOR SHALL ENTER THE SITE THROUGH GATES 25 AND 27B.

PHASE V CONTRACT TIME AND LIQUIDATED DAMAGES:
 PHASE V TOTAL CONTRACT TIME = 60 CALENDAR DAYS
 LIQUIDATED DAMAGES FOR EXCEEDING PHASE V CONTRACT TIME = \$1,000 PER CALENDAR DAY

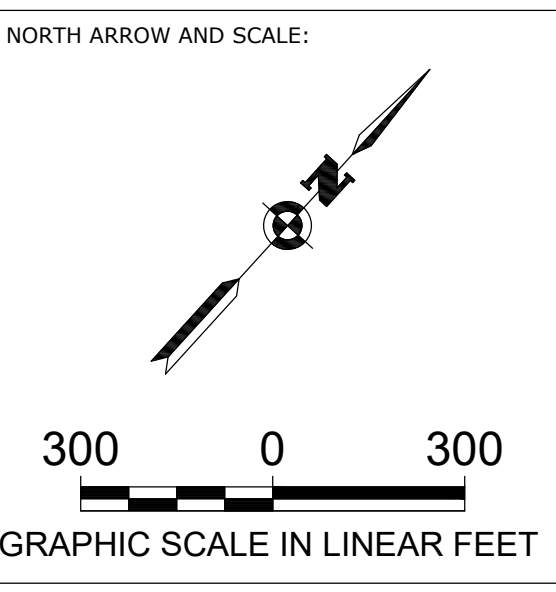
- PHASING AND CLOSURE REQUIREMENTS:**
1. RUNWAY 5/23 SHALL BE FULLY CLOSED VIA LIGHTED CLOSURE MARKER, BARRICADES, AND NOTAM PRIOR TO BEGINNING ANY WORK ON PHASE V.
 2. TAXIWAY B, WEST OF RUNWAY 14, SHALL BE FULLY CLOSED VIA UNLIGHTED CLOSURE MARKER, BARRICADES, AND NOTAM PRIOR TO BEGINNING ANY CONSTRUCTION ON PHASE V.
 3. RUNWAY 14/32, TAXIWAY A, TAXIWAY C, AND TAXIWAY D SHALL REMAIN FULLY OPEN FOR THE ENTIRE DURATION OF PHASE V CONSTRUCTION.

CRITICAL POINT 6 (PHASE V)	
LATITUDE	N32° 41' 04.98"
LONGITUDE	W83° 39' 44.44"
HEIGHT AGL	1'

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 DESIGNED BY TJ COLLINS, P.E.

GA COA NO.: PEF003273 EXP.: 06/30/24
 SUBMITTAL:
BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

ENGINEER OF RECORD:



PROJECT:
ADDITIVE ALTERNATE 2: MATERIAL ARRESTING SYSTEM

CLIENT:
MACON-BIBB COUNTY



MIDDLE GEORGIA REGIONAL AIRPORT (MCN)
 MACON-BIBB COUNTY, GEORGIA

REVISIONS

No.	Date	By	Description
1	6/23/23	SDP	ADDENDUM NO. 2

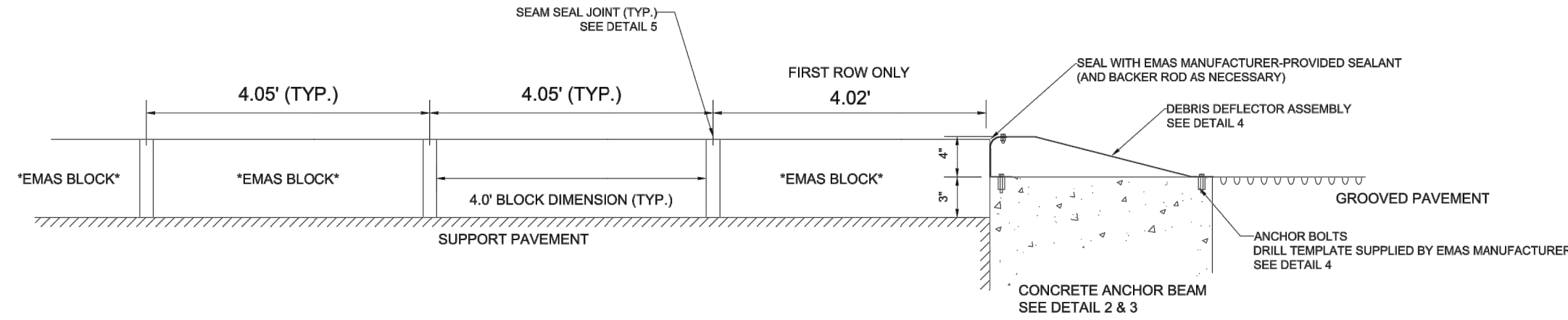
SHEET TITLE:
SAFETY AND PHASING PLAN - PHASE V

SHEET:
PH301

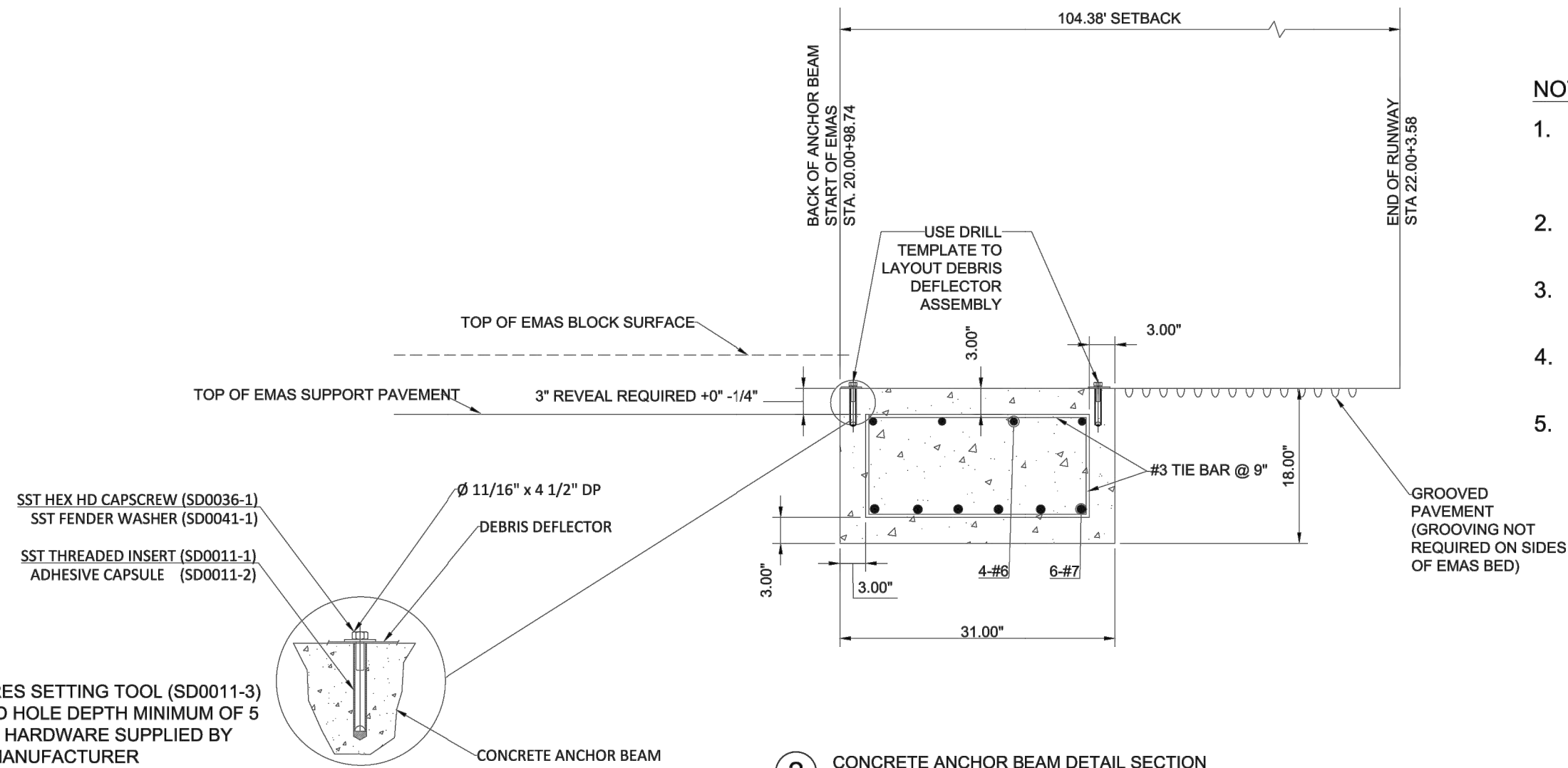
PROJECT NO.:
 20202946.0003

DATE:
 MAY 2023

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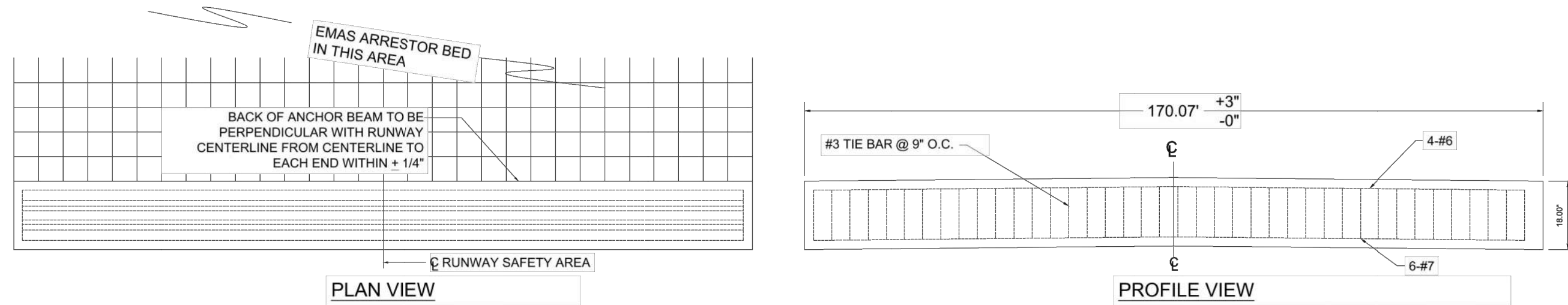


1 CONCRETE ANCHOR BEAM & BLOCK LAYOUT
SCALE: NTS



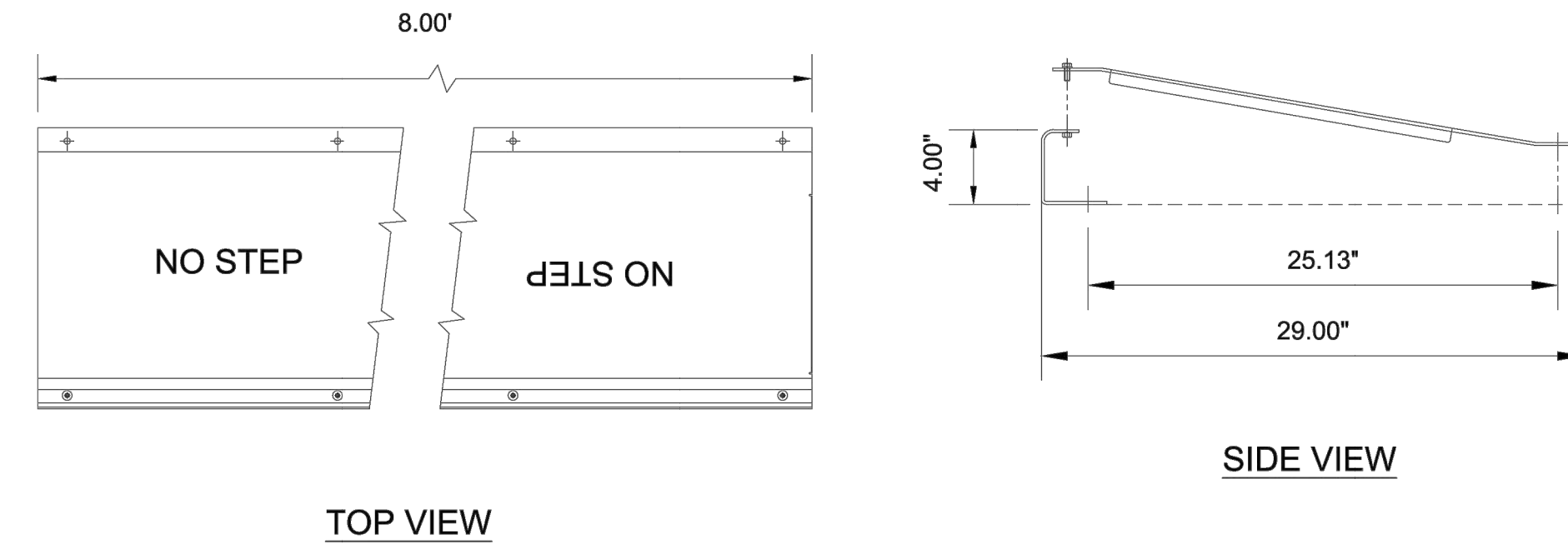
2 CONCRETE ANCHOR BEAM DETAIL SECTION
SCALE: NTS

- NOTE:**
1. ALL BARS SHALL BE ASTM-A615, GRADE 60 (TYP), SEE SPECIFICATION P-610 FOR ADDITIONAL INFORMATION.
 2. SEE DETAIL 4 ON NEXT SHEET FOR DEBRIS DEFLECTOR ASSEMBLY DIMENSIONS.
 3. SEE DETAIL 3 FOR REBAR PLAN & PROFILE VIEWS AND ALIGNMENT TOLERANCES.
 4. BEAM SHALL BE POURED AS A SINGLE STRUCTURE.
 5. DO NOT CHAMFER OR RADIUS ANCHOR BEAM.

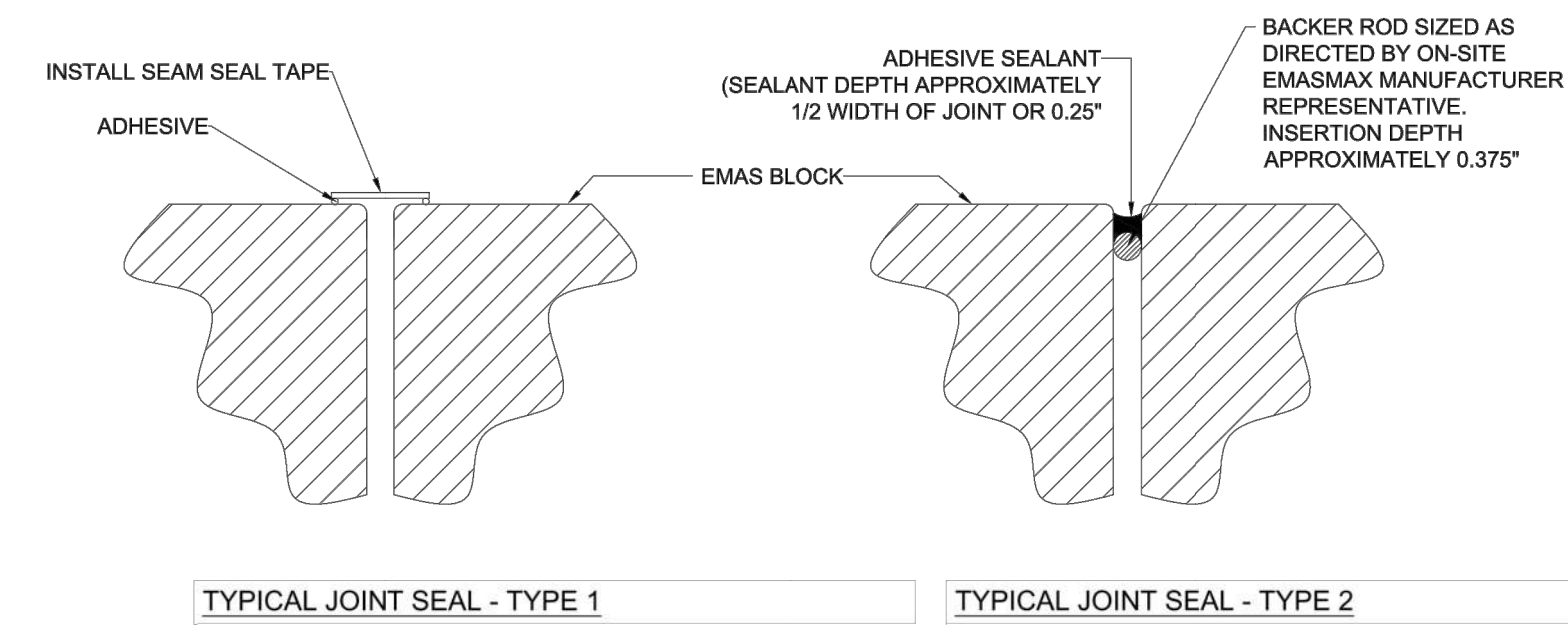


3 CONCRETE ANCHOR BEAM REBAR DETAIL
SCALE: NTS

- NOTES:**
1. DEBRIS DEFLECTOR ASSEMBLY, DRILL TEMPLATE, & HARDWARE PROVIDED BY EMAS MANUFACTURER.
 2. FINAL LOCATION OF BACK OF DEBRIS DEFLECTOR ASSEMBLY DEPENDS ON STRAIGHTNESS OF BEAM. SEE DETAIL 3 FOR ANCHOR BEAM STRAIGHTNESS TOLERANCE.

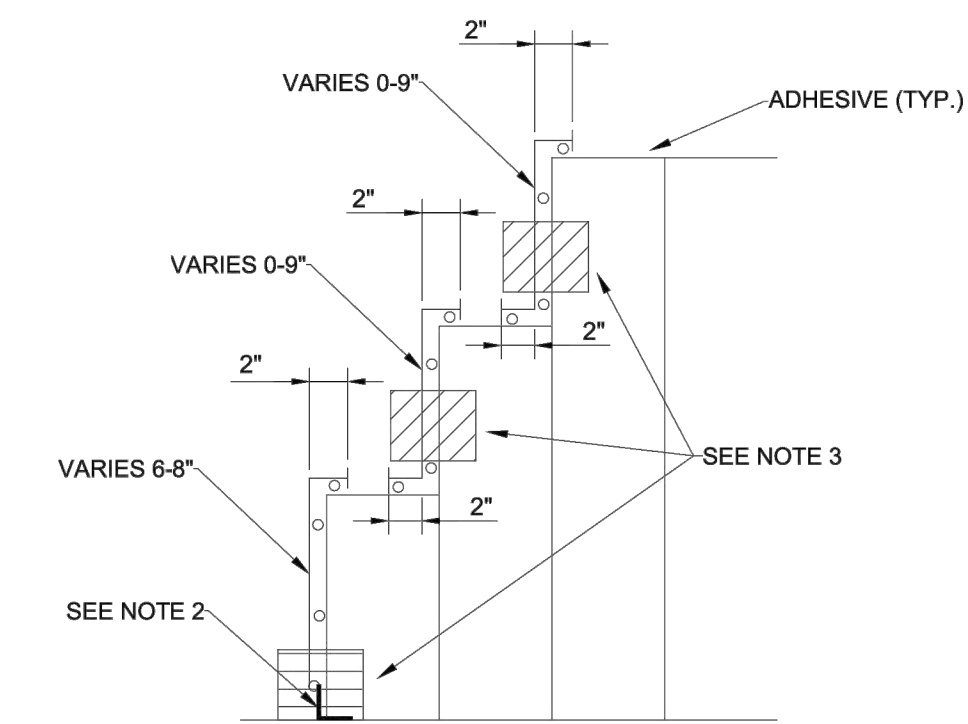


4 TYPICAL DEBRIS DEFLECTOR ASSEMBLY
SCALE: NTS



5 TYPICAL JOINT SEAL
SCALE: NTS

- NOTES:**
1. EMAS MAX MANUFACTURER SHALL SELECT JOINT SEAL TYPE PRIOR TO STARTING INSTALLATION OF EMAS.
 2. EMAS BLOCK SURFACES SHALL BE CLEAN IMMEDIATELY PRIOR TO JOINT SEALING.



- NOTES:**
1. PLASTIC RIGHT ANGLE PIECE APPLIED TO SIDES AND BACK OF EMAS AS SHOWN.
 2. EMAS MANUFACTURER WILL SUPPLY SIDE COATING MATERIAL, ADHESIVES, VENTS, & PLASTIC RIGHT ANGLE PIECES.
 3. VENTS TO BE INSTALLED AT BLOCKS GAPS AS DIRECTED BY ON-SITE EMAS MANUFACTURER REPRESENTATIVE.

6 STEP BLOCK COATINGS
SCALE: NTS

GA COA NO.: PEF003273 EXP.: 06/30/24

**BID DOCUMENTS -
DO NOT USE FOR CONSTRUCTION**

ENGINEER OF RECORD:

NORTH ARROW AND SCALE:

PROJECT:
**ADDITIVE
ALTERNATE 2:
ENGINEERED
MATERIAL
ARRESTING SYSTEM**

CLIENT:
MACON-BIBB COUNTY



**MIDDLE GEORGIA
REGIONAL AIRPORT (MCN)
MACON-BIBB COUNTY, GEORGIA**

REVISIONS

No.	Date	By	Description
1	4/23/23	SDP	ADDENDUM NO. 2

SHEET TITLE:
EMAS DETAILS - SHEET 3

SHEET:
C304

PROJECT NO.:
20202946.0003

DATE:
MAY 2023

