

Addendum No. 2

FOR

Macon-Bibb County Middle Georgia Regional Airport



RUNWAY 5-23 EXTENSION – PHASE 1, RETAINING WALL STRUCTURE – PHASE 1

Prepared By:



Passero Associates, LLC
4730 Casa Cola Way, Suite 200
St. Augustine, FL 32095
PA Project No. 20070044.0023



09/22/22

ADDENDUM NO. 2

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.

I. **CHANGE TO ADVERTISEMENT/NOTICE TO BIDDERS:**

1. NONE

II. **CHANGE TO PROPOSAL DOCUMENTS:**

1. **DELETE** Bid Form and **REPLACE** with the new Bid Form included in this Addendum.

III. **CHANGE TO GENERAL PROVISIONS:**

1. NONE

IV. **CHANGE TO TECHNICAL SPECIFICATIONS:**

1. NONE.

V. **CHANGE TO PLANS**

1. **REVISED** Bid Quantities added to **Sheet G1-2.**
2. **REVISED** Notes on **Sheet G1-3.**
3. **REVISED** Notes on **Sheet C1-1.**
4. **REVISED** **Sheet C1-2.**
5. **DELETE** **Sheet C1-3.**
6. **REVISED** **Sheet 32-0002.**

VI. **QUESTIONS RECEIVED**

1. *Please clarify if the Maintenance of Traffic items identified on Dwg. No. C1-2 under "Planning for Phase 1 of Construction" (Items 1 – 12) will be required under this contract.*

See revised Sheet C1-2 attached to this Addendum.

2. *Based on discussions at the Pre-Bid meeting regarding the existing utilities to remain shown on Dwg. No.'s 32-0003 and 32-0004 (Communication, Electrical and Water) please provide details related to size, material type and elevation relative to the proposed footing.*

Provide 2" PVC conduit through the wall for future communication and electrical line. Exact location to be determined in the field. Provide 18" PVC split duct conduit for 12" ductile iron water line and 2" split duct each for the existing communication and electrical line. Burial depth for existing utilities is 3'-4' depending on location.

3. *Based on Dwg. No. 32-0005 (Section A-A) the edge of footing on the front face of the wall will be in close proximity to the existing storm drain running parallel to the wall. In order to evaluate possible shoring considerations, please provide the diameter of the storm drain and its location relative to the proposed footing to include elevation.*

The storm line in question is an 18" diameter concrete pipe. Elevation data was not collected as a part of the survey phase of the project.

4. *Based on Dwg. No. 32-0005 (Section A-A) it appears the existing sidewalk will need to be removed in order to install the proposed footing. Please advise if the sidewalk will need to replace in-kind, and if so, please provide a detail of the required new sidewalk.*

A line item has been included in the bid for sidewalk replacement.

5. *If Prime Contractor is a minority, can the self-performed work count as minority work?*

Based upon our research, no.

6. *Please clarify project duration.*

Project duration is 120 days.

7. *Please clarify how long the contractor will need to stop working daily to allow landings.*

None.

8. *We anticipate the use of concrete pumps. Will be necessary to close the runway during concrete placements?*

No.

9. *To process the Avondale Mill Rd lane closure permit, who owns that road?*

Macon-Bibb County

10. *Please confirm if the demolished sidewalk will be replaced with a compacted crush and run.*

See Question 4.

11. *Please confirm the elevations of the three existing utility lines in conflict with the retaining wall construction. Will they be relocated before the project starts? If so, when is it expected to complete those relocations?*

The existing utility lines will not be relocated prior to this project.

12. *Please confirm the notes and information shown in drawing C1-2, since it doesn't seem to belong to phase 1.*

See revised Sheet C1-2 attached to this Addendum.

13. *Please provide detail for the water line encasing.*

Provide split duct as indicated in Question 2.

14. *Since the existing road to access gate 26 is within the retaining wall path, will be required to build a temporary road to access gate 26? if yes, please provide details.*

Please refer to revised Sheet C1-2 for haul route information. No access inside the airport perimeter security fence is necessary during this project.

15. *The tower inside the fence could conflict with the wall. Will it be removed or relocated by others?*

The tower will not be relocated prior to this project.

16. *Since the backfill behind the wall is not part of the project, has the designer confirmed that the wall will not have differential settlements. Also, has the designer confirmed that in case of strong winds, such as hurricanes or tornados, the wall will not tip and fall.*

Refer to General Conditions Section 70-14.

17. *Since the backfill behind the wall is not part of the scope, elements such as the ditch, continuous blanket, and 89 Stone on the rear face of the wall would not be part of this project's scope either?*

Correct.

18. *We believe that for this kind of application an MSE wall would be a better option. Would the owner consider this option and re-advertise the project.*

No. The wall will be bid as shown on the plans.

END ADDENDUM NO. 2

BID FORM
RUNWAY 5-23 EXTENSION - PACKAGE 1 - RETAINING WALL, PHASE 1
Middle Georgia Regional Airport (MCN)
PA PN 20202946.0009

BASE BID					
ITEM NUMBER	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
C-105-6.1	Mobilization	1	LS		
500-3810	Class AA Concrete, Including Reinforcing Steel	1,950	CY		
641-4086	Concrete Side Barrier, Type 7WS	570	LF		
648-1550	Impact Attenuator Unit, Type S-4-S-38	2	EA		
PLANS	Sidewalk Relacement in accordance with GDOT Specifications and Standard Drawings (6' wide)	570	LF		
PLANS	Traffic Control (In Accordance with GDOT Requirements and Latest Edition of MUTCD)	1	LS		
ALLOWANCE	Gas Line Relocation Allowance (If required. Payment to be made to the Gas Company or their subcontractor.)	1	LS	\$ 50,000.00	\$ 50,000.00
ALLOWANCE	Lighting Allowance for Lighting Wall Over Sidewalk	1	LS	\$ 50,000.00	\$ 50,000.00
TOTAL - BASE BID					

NOTES:

1. This is a unit price contract. Unit prices will govern in the event of a math error.
2. All allowances are included in the event the items of work listed are needed to complete the project. The allowances will only be used if the Engineer approves them, and only the exact amount required to complete the work will be approved for payment by the Engineer.

ATTENDANCE LOG

Pre-Bid Meeting

**Runway 5-23 Extension – Phase 1, Retaining Wall Structure – Phase 1
Middle Georgia Regional Airport**

**Date: September 13, 2022
2:00 PM**

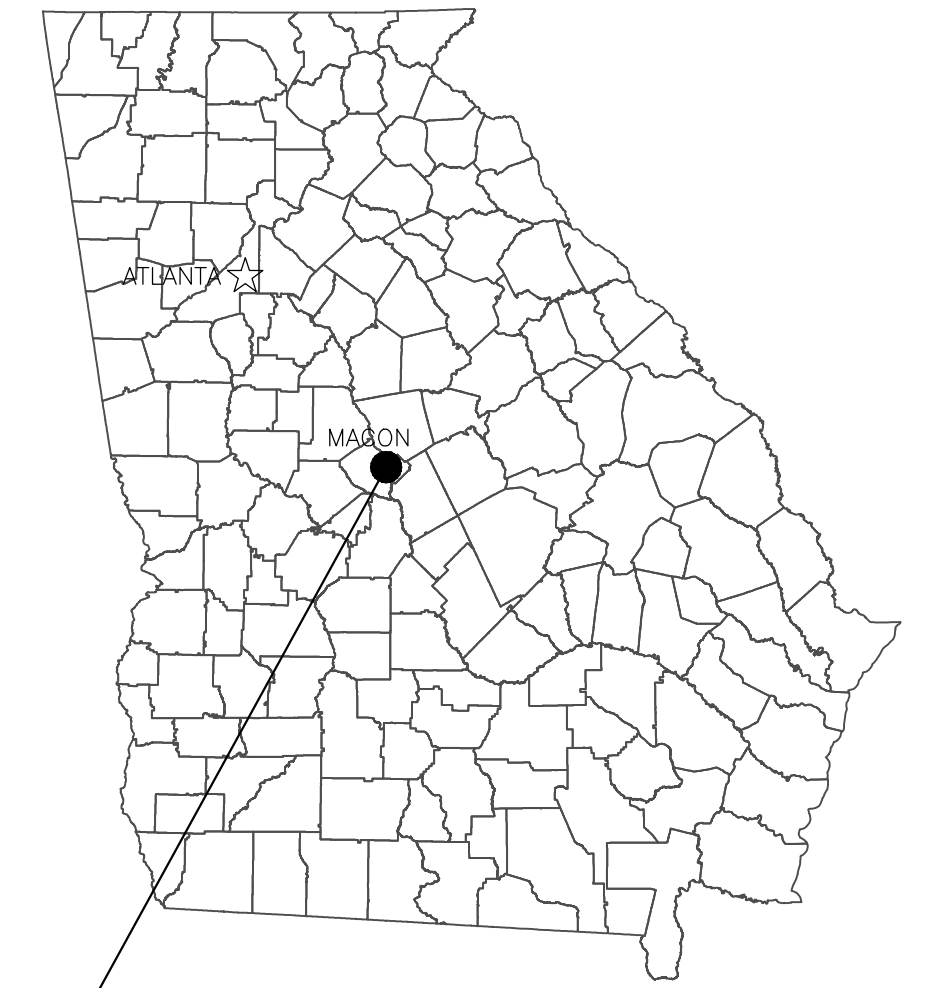
	NAME	REPRESENTING	E-MAIL	TELEPHONE
1	Dwight Fleming	Feed Buds, Inc	D.FLEMING@FEEDBUDS.COM	678-776-9011
2	Charles Lance	" "	CLANCE@FEEDBUDS.COM	478-957-0902
3	Saman Pounds	" "	SPOUNDS@FEEDBUDS.COM	678-588-2723
4	Jeff Brown	Kiewit	Jeffrey.Browne@kiewit.com	954-410-9768
5	Cristhian Moreno	P2K	cmoreno@precision2k.com	770 570 6095
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PA

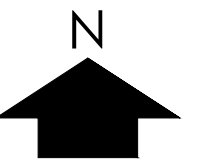
CONTRACT DRAWINGS FOR:

Middle Georgia Regional Airport



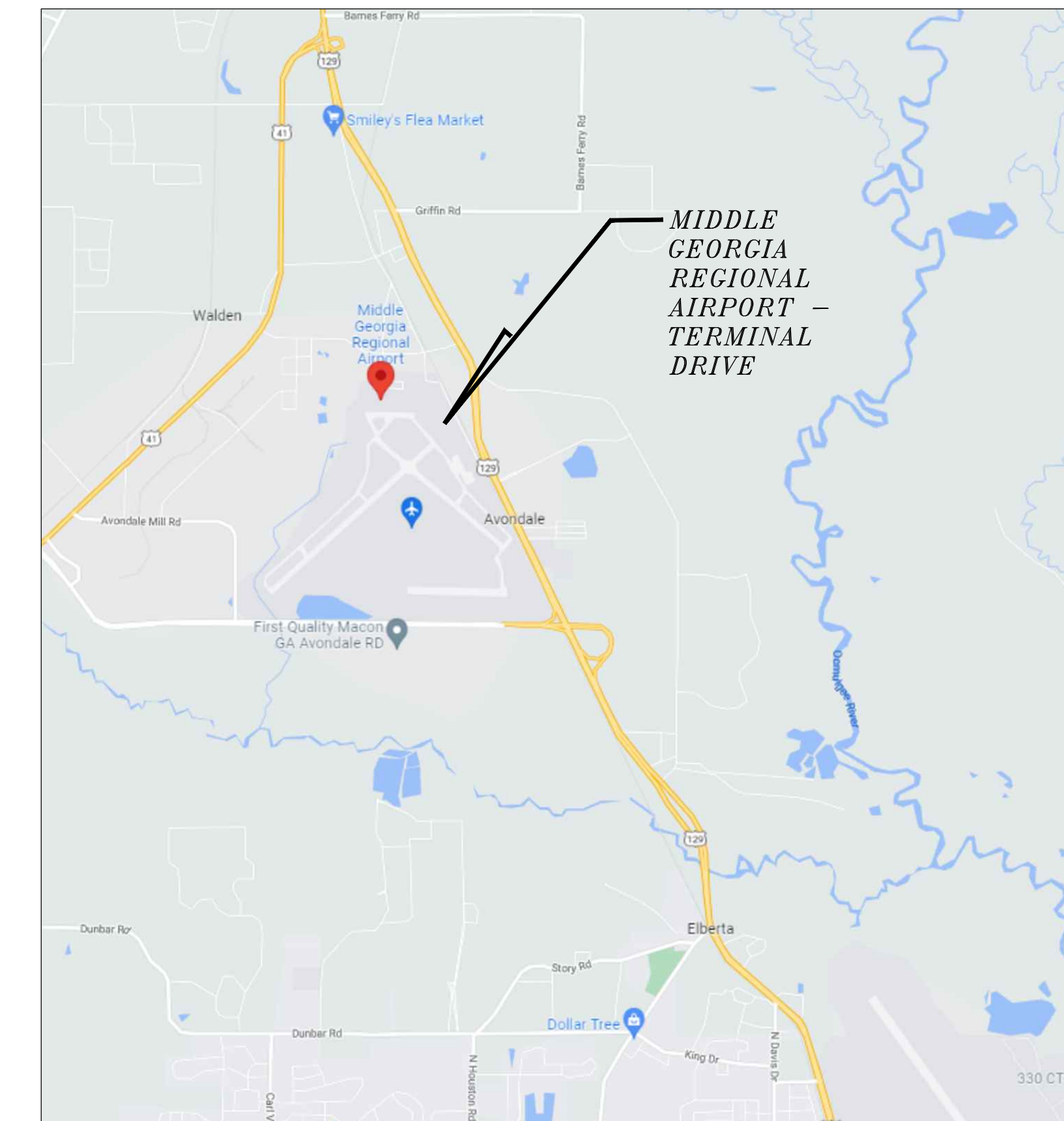
PROJECT LOCATION
MACON GEORGIA

VICINITY MAP
NOT TO SCALE



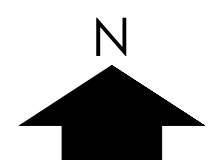
1000 TERMINAL DRIVE SUITE 100
MACON, GA 31216

RUNWAY 5-23 EXTENSION - PACKAGE 1 RETAINING WALL, PHASE 1



MIDDLE
GEORGIA
REGIONAL
AIRPORT -
TERMINAL
DRIVE

LOCATION MAP
NOT TO SCALE



September 2022

FEDERAL AVIATION ADMINISTRATION
AIRPORT IMPROVEMENT PROGRAM
PROJECT NUMBER: TBA

PASSERO ASSOCIATES
PROJECT NUMBER 20202946.0009

PA PASSERO ASSOCIATES
engineering architecture
www.Passero.com

4730 Casa Cola Way, Suite 200 (904) 757-6106
St. Augustine, FL 32095 Fax: (904) 757-6107
Certificate of Authorization # 3428

BID SET
ADDENDUM NO. 2

BID QUANTITIES

BASE BID				
ITEM NUMBER	DESCRIPTION	QUANTITY	UNIT	AS CONSTRUCTED
C-105-6.1	Mobilization	1	LS	
500-3810	Class AA Concrete, Including Reinforcing Steel	1950	CY	
641-4086	Concrete Side Barrier, Type 7WS	570	LF	
648-1550	Impact Attenuator Unit, Type S-4-S-38	2	EA	
PLANS	Sidewalk Relacement in accordance with GDOT Specifications and Standard Drawings (6' wide)	570	LF	
PLANS	Traffic Control (In Accordance with GDOT Requirements and Latest Edition of MUTCD)	1	LS	
ALLOWANCE	Gas Line Relocation Allowance (If required. Payment to be made to the Gas Company or their subcontractor.)	1	LS	
ALLOWANCE	Lighting Allowance for Lighting Wall Over Sidewalk	1	LS	

2

INDEX OF SHEETS

DRAWING NO.	DRAWING TITLE
G1-1	COVER SHEET
G1-2	INDEX OF SHEETS & BID QUANTITIES
G1-3	SAFETY, SECURITY & GENERAL NOTES
G2-1	PROJECT LAYOUT & SURVEY CONTROL PLAN
C1-1 THRU C1-2	CONSTRUCTION SAFETY & PHASING PLAN
32-0001	GENERAL NOTES
32-0002	RETAINING WALL ENVELOPE (1 OF 3)
32-0003	RETAINING WALL ENVELOPE (2 OF 3)
32-0004	RETAINING WALL ENVELOPE (3 OF 3)
32-0005	MISCELLANEOUS DETAILS
4949A	GEORGIA DEPARTMENT OF TRANSPORTATION SPECIAL DETAIL

2

NOTABLE CONTACTS

OWNER:	AIRPORT MANAGER:
MACON-BIBB COUNTY, GA MACON, GA 31202 UNITED STATES PHONE: (478)-788-3760	DOUG FAOUR 1000 TERMINAL DR MACON, GA 31297 UNITED STATES TELEPHONE: (478) 803-0460

AIRFIELD COMMUNICATIONS

CTAF:	128.2 MHz
UNICOM:	122.95 MHz
WX ASOS:	120.775 MHz (478-784-8825)
MACON GROUND:	121.65
MACON TOWER:	128.2



PASSERO ASSOCIATES

Engineering Architecture
www.passero.com

Stamp:

Client:

Macon-Bibb County



**Middle Georgia Regional Airport
Macon-Bibb County, Georgia**

Passero Associates

4730 Casa Cola Way, Suite 200 (904) 757-6106
Saint Augustine, FL 32095 Fax: (904) 757-6107

Revisions

No.	Date	By	Description
2	9/21/22	SDP	ADDENDUM No. 2

UNAUTHORIZED USE OF THIS DRAWING IS IN VIOLATION OF FLORIDA ADMINISTRATIVE CODE 61GS-27.001 AND FLORIDA STATUTE 471.003(1). THESE PLANS ARE COPYRIGHT PROTECTED ©

INDEX OF SHEETS & BID QUANTITIES

**RUNWAY 5-23
EXTENSION - PACKAGE 1
RETAINING WALL,
PHASE 1**

Town/City: Macon
County: Bibb State: Georgia

Project No.
20202946.0009

Drawing No.
G1-2

Date
September 2022

CONTRACTOR'S SAFETY AND SECURITY REQUIREMENTS

2

GENERAL NOTES

SAFETY NOTES:

1. AIRPORT OPERATIONS - THE CONTRACTOR SHALL ACQUAINT ALL SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THE AIRPORT AND SHALL CONDUCT ALL CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND GUIDELINES ON SAFETY SPECIFIED IN NOTES 10 & 13 BELOW.
2. VEHICLE IDENTIFICATION - ALL CONTRACTOR CONSTRUCTION EQUIPMENT AUTHORIZED TO OPERATE ON THE AIRPORT SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3' X 3' OR LARGER ORANGE AND WHITE CHECKERED FLAG, EACH CHECK BEING 1' SQUARE. ALL VEHICLES OPERATING IN THE ACTIVE AIRPORT OPERATIONS AREA DURING THE HOURS OF DARKNESS SHALL BE EQUIPPED WITH A FLASHING/ROTATING AMBER (YELLOW) DOME-TYPE LIGHT MOUNTED ON TOP OF THE VEHICLE AND OF SUCH INTENSITY TO CONFORM TO LOCAL CODES FOR MAINTENANCE AND EMERGENCY VEHICLES.
3. THE CONTRACTOR SHALL NOT ENTER THE RUNWAY SAFETY AREA WITHOUT A FULL RUNWAY CLOSURE VIA CLOSURE MARKERS AND NOTICE TO AIRMEN (NOTAM), AS WELL AS, THE CONTRACTOR SHALL NOT PLACE EQUIPMENT, MATERIAL, OR STOCKPILES IN THE RUNWAY OBJECT FREE AREA.

MIDDLE GEORGIA REGIONAL AIRPORT (MCN) - RUNWAY 5/23 (ADG D-III)
 -RUNWAY SAFETY AREA (RSA) 250 LINEAR FEET FROM CENTERLINE OF RUNWAY
 -RUNWAY OBJECT FREE AREA (ROFA) 400 LINEAR FEET FROM CENTERLINE OF RUNWAY
 -LENGTH BEYOND RUNWAY END 500 LINEAR FEET FROM THE RUNWAY END

MIDDLE GEORGIA REGIONAL AIRPORT (MCN) - RUNWAY 14/32 (ADG B-III)
 -RUNWAY SAFETY AREA (RSA) 75 LINEAR FEET FROM CENTERLINE OF RUNWAY
 -RUNWAY OBJECT FREE AREA (ROFA) 250 LINEAR FEET FROM CENTERLINE OF RUNWAY
 -LENGTH BEYOND RUNWAY END 300 LINEAR FEET FROM THE RUNWAY END

4. TRENCH MARKING - OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS LOCATED IN THE AIRPORT OPERATIONS AREA SHALL BE PROMINENTLY MARKED WITH FLAGS AND LIGHTED BY APPROVED LIGHT UNITS DURING HOURS OF RESTRICTED VISIBILITY AND DARKNESS.
5. AT THE END OF THE WORK DAY, CONTRACTOR SHALL REMOVE ALL EQUIPMENT FROM WORK AREA BACK TO THE CONTRACTOR STAGING AREA OR TO SUCH OTHER LOCATIONS AS APPROVED BY THE ENGINEER.
6. OPEN FLAME - OPEN FLAME, WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN TAKEN AND THE PROCEDURE APPROVED BY FIRE INSPECTOR, AIRPORT MANAGER AND THE ENGINEER. NO DEBRIS BURNING IS ALLOWED.
7. STOCKPILE EROSION AND DUST CONTROL - STOCKPILED MATERIAL AND OPEN EXCAVATIONS SHALL BE TREATED IN SUCH A MANNER AS TO PREVENT MOVEMENT RESULTING FROM AIRCRAFT BLAST OR WIND.
8. DEBRIS CONTROL - DEBRIS, WASTE AND LOOSE MATERIAL SHALL NOT BE ALLOWED ON ACTIVE AIRCRAFT MOVEMENT AREAS. IF OBSERVED TO BE ON ACTIVE AIRCRAFT MOVEMENT AREAS, THE MATERIAL WILL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. THE ENGINEER MAY DIRECT THAT DEBRIS PROBLEMS DURING CONSTRUCTION NOT CORRECTED BY THE CONTRACTOR BE CORRECTED BY OTHERS AT THE EXPENSE OF THE CONTRACTOR. NO OPEN TOP DUMPSTERS ARE ALLOWED IN THE PROJECT OR STAGING AREA. TRUCKS SHALL COVER THE LOAD FOR ALL MOVEMENTS ON THE AIRPORT.
9. INSPECTION BY OPERATIONS - PRIOR TO OPENING FOR AIRCRAFT USE, THE CONTRACTOR SHALL ARRANGE FOR INSPECTION BY THE ENGINEER AND AIRPORT MANAGER ANY RUNWAY, TAXIWAY OR APRON THAT HAS BEEN CLOSED FOR WORK, OR THAT HAS BEEN USED FOR A CROSSING POINT OR HAUL ROUTE BY THE CONTRACTOR.
10. SAFETY GUIDELINES:
 - 150/5370-2G "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION"
 - 150/5200-18C "AIRPORT SAFETY SELF-INSPECTION"
 - 150/5210-5D "PAINTING, MARKING AND LIGHTING OF VEHICLES USED ON AIRPORT"
11. LIGHTED AIRPORT LOW PROFILE BARRICADES ARE REQUIRED AS NOTED ANYTIME THE CONTRACTOR IS WORKING.
12. IN COMPLIANCE WITH AC 150/5370-2G "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION," THE CONTRACTOR DESIGNATED PERSONNEL SHALL HAVE AND MONITOR A RADIO FOR TWO-WAY COMMUNICATION WITH THE AIR TRAFFIC CONTROL TOWER AT ALL TIMES. THE MIDDLE GEORGIA REGIONAL AIRPORT RADIO GROUND FREQUENCY IS 121.65 (8 AM - 8 PM).

SECURITY NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE AIRPORT AND WITH THE SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE ENGINEER THE NAME OF HIS/HER "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
2. CONTRACTOR PERSONNEL SECURITY ORIENTATION - THE CONTRACTOR SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS AND, FROM TIME TO TIME, OTHER SECURITY PROVISIONS ADOPTED BY THE ENGINEER OR OWNER. ALL NEW CONTRACTOR EMPLOYEES SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREA.
3. ACCESS TO THE SITE - CONTRACTOR'S ACCESS TO THE SITE SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL NOT PERMIT ANY UNAUTHORIZED CONSTRUCTION PERSONNEL OR TRAFFIC ON THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL TO AND FROM THE VARIOUS CONSTRUCTION AREAS ON THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE CLEANUP OF ANY DEBRIS DEPOSITED ALONG THE ACCESS ROAD AS A RESULT OF HIS/HER CONSTRUCTION TRAFFIC.
4. MATERIALS DELIVERY TO THE SITE - ALL CONTRACTOR'S MATERIAL ORDERS FOR DELIVERY TO THE SITE WILL USE THE ACCESS POINT AT THE CONTRACTOR'S STAGING SITE. THE CONTRACTOR SHALL PROVIDE ESCORT SERVICES TO DIRECT DELIVERIES.
5. CONSTRUCTION AREA LIMITS - THE LIMITS OF CONSTRUCTION, MATERIAL STORAGE AREAS, EQUIPMENT STORAGE AREA, PARKING AREA AND OTHER AREAS DEFINED AS REQUIRED FOR THE CONTRACTOR'S EXCLUSIVE USE DURING CONSTRUCTION SHALL BE MARKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL ERECT AND MAINTAIN AROUND THE PERIMETER OF THESE AREAS SUITABLE FENCING, SIGNAGE AND WARNING DEVICES VISIBLE FOR BOTH DAY/NIGHT USE TO DELINEATE THE PERIMETER OF ALL SUCH AREAS.
6. CONTRACTOR EMPLOYEE PERSONAL VEHICLES SHALL BE RESTRICTED TO THE CONTRACTOR'S STAGING AREA OR CONTRACTOR EMPLOYEE PARKING AREA AND ARE NOT ALLOWED ON THE AIRFIELD AT ANY TIME.
7. REQUIREMENTS FOR BADGING - BADGING OF CONTRACTOR PERSONNEL WILL BE REQUIRED FOR THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE BADGING WITH THE AIRPORT AUTHORITY AND TO START THE PROCESS EARLY ENOUGH TO AVOID DELAYING MOBILIZATION TO THE SITE.
8. THE CONTRACTOR SHALL INSTALL A 3' X 3' SIGN AT THE CONSTRUCTION SITE ENTRANCE GATE THAT SAYS: "THIS AREA IS A DESIGNATED CONSTRUCTION SITE AND ANYONE WHO TRESPASSES ON THIS PROPERTY COMMITS A FELONY."
9. VEHICLE & PEDESTRIAN DEVIATIONS AND RUNWAY INCURSIONS DOCUMENTED BY THE TOWER WILL RESULT IN FAA FINES. THE COST OF THESE FINES SHALL BE BORNE BY THE CONTRACTOR UP TO A MAXIMUM AMOUNT OF \$10,000 PER INCIDENT.

BARRICADE NOTES:

1. TYPICAL LIGHTED AIRPORT LOW PROFILE BARRICADES TO BE PLACED ALONG THE LIMITS OF THE PHASES OF WORK, AS SHOWN IN THESE PLANS, TO DELINEATE THE CONTRACTOR'S WORK AREAS.
2. ALL BARRICADES SHALL BE CHECKED VISUALLY FOR SIGNS OF WEAR AND TEAR ON A WEEKLY BASIS AND SHALL BE REPAINTED WHEN DEEMED APPROPRIATE BY THE ENGINEER. THE CONDITIONS OF LIGHTING UNITS SHALL BE CHECKED DAILY. ALL LIGHT FIXTURES SHALL BE VERIFIED OPERATING BY THE CONTRACTOR ON A DAILY BASIS BEFORE THE CONTRACTOR CEASES OPERATION FOR THE DAY.
3. ALL BARRICADES SHALL BE MOVED AT LEAST ONCE EACH WEEK AND THE CONTRACTOR SHALL SWEEP THE DEBRIS WHICH HAS ACCUMULATED AND REMOVE IT FROM THE SITE. THE BARRICADES SHALL THEN BE REPLACED AT THE APPROPRIATE LOCATION.
4. BARRICADES SHALL BE SPACED 8' MAXIMUM, END TO END, OR AS DIRECTED BY THE ENGINEER.

1. UNDERGROUND UTILITY LAYOUT INFORMATION WAS COMPILED FROM AS-BUILT INFORMATION AND EXISTING RECORD PLANS AND IS OFFERED SOLELY FOR THE PURPOSE OF PROVIDING THE CONTRACTOR WITH DATA AVAILABLE TO THE ENGINEER. THE ACTUAL LOCATIONS IN THE FIELD MAY BE DIFFERENT FROM THAT SHOWN. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES AND AIRPORT CABLES IN FIELD PRIOR TO CONSTRUCTION.

2. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING UTILITIES. IN THE EVENT OF DAMAGE TO EXISTING ELECTRICAL CABLES AND UTILITIES, THE ENGINEER AND AIRPORT MANAGER ARE TO BE NOTIFIED IMMEDIATELY AND THE CONTRACTOR SHALL REPAIR THE DAMAGE, AS DIRECTED BY THE ENGINEER, 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.

4. CONTRACTOR'S ACCESS TO THE AIRPORT SHALL BE LIMITED TO THE ACCESS ROADS SHOWN ON THIS 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. ONLY ACTIVE AIRCRAFT PAVEMENTS MARKED ON THIS PLAN MAY BE USED FOR CONTRACTOR ACCESS. 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. ALL AREAS DISTURBED SHALL BE FINE GRADED, TOPSOILED, AND SEEDED AND MULCHED. FINE GRADING SHALL BE SHAPED TO ALLOW SURFACE DRAINAGE AND CONFORM TO SMOOTH TRANSITIONS WITH SURROUNDING GRADE.

6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY FOR THE PROJECT AND FOR ACCESS TO THE SITE. COST FOR PERMITS TO BE PAID AS PART OF MOBILIZATION.

7. ALL COSTS ASSOCIATED WITH MAINTENANCE OF HAUL ROADS, ACCESS ROADS, RESTORATION OF SURFACES DISTURBED SHALL BE INCLUDED IN THE PAY ITEM MAINTENANCE & PROTECTION OF TRAFFIC.

8. THE CONTRACTOR'S SPECIAL ATTENTION IS DIRECTED TO AC 150/5370-2G, OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION, AND THE CONTRACT SPECIAL PROVISIONS SECTION 80, AS THEY RELATE TO SAFETY REQUIREMENTS AND AFFECT SEQUENCING OF WORK.

9. 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.

10. ELEVATIONS ARE BASED ON U.S.C. & G.S. DATUM. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THESE SITE BENCH MARKS OR MOVING THEM IF THEY ARE IN THE LINE OF CONSTRUCTION.

11. 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.

12. SITE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFELY MAINTAINING THE CONSTRUCTION SITE THROUGHOUT THE PERIOD OF CONSTRUCTION.

14. THE CONTRACTOR SHALL NOT LEAVE CONSTRUCTION EQUIPMENT RUNNING OR UNATTENDED.

15. ALL WORK IS INCLUDED UNDER BASE BID UNLESS SPECIFICALLY LABELED OTHERWISE.

16. THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THIS JOB SITE DURING THE PERFORMANCE OF THIS CONTRACT.

17. ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES, AND REGULATIONS.

18. THE ENGINEER 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.

19. THE CONTRACTOR SHALL:

- VERIFY ALL CONDITIONS IN THE FIELD FOUND PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE ENGINEER, IN WRITING, OF ANY DISCREPANCIES.
- EXAMINE THE SITE AND INCLUDE IN HIS WORK THE EFFECT OF ALL EXISTING CONDITIONS ON THE WORK.
- PROVIDE AND INSTALL ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH RECOGNIZED GOOD STANDARD PRACTICE.
- HOLD THE OWNER HARMLESS AGAINST ANY AND ALL CLAIMS ARISING FROM WORK DONE BY THE CONTRACTOR OR HIS SUB CONSULTANTS ON THE SITE.

20. CONTRACTOR PROJECT CLOSE-OUT REQUIREMENTS:

A. THE CONTRACTOR SHALL FULFILL THE REQUIREMENTS AND COMPLETE THE "CONTRACTOR'S PROJECT CLOSEOUT CHECKLIST", INCLUDED IN THE CONTRACT DOCUMENTS, BEFORE FINAL PAYMENT WILL BE ISSUED. THE FINAL 10% OWED TO THE CONTRACTOR (INCLUDING ANY RETAINAGE) WILL NOT BE RELEASED UNTIL ALL CLOSEOUT CONTRACT DOCUMENTS HAVE BEEN SUBMITTED & APPROVED.

B. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS FOR THE COMPLETION AND CLOSE-OUT OF THE PROJECT CONSTRUCTION.

C. 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.

D. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL GIVE THE OWNER AND THE ENGINEER OF RECORD A MINIMUM OF THREE (3) DAYS NOTICE PRIOR TO THE SCHEDULED SITE WALK THROUGH.



Know what's below.
Call before you dig.



PASSERO ASSOCIATES

Engineering Architecture
www.passero.com

Stamp:

Client:

Macon-Bibb County



Middle Georgia Regional Airport
Macon-Bibb County, Georgia

Passero Associates

4730 Casa Cola Way, Suite 200 (904) 757-6106
Saint Augustine, FL 32095 Fax: (904) 757-6107

Revisions

No.	Date	By	Description
2	9/21/22	SDP	ADDENDUM No. 2

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SAFETY, SECURITY & GENERAL NOTES

RUNWAY 5-23
EXTENSION - PACKAGE 1
RETAINING WALL,
PHASE 1

Town/City: Macon
County: Bibb State: Georgia

Project No.
20202946.0009

Drawing No.
G1-3

Date
September 2022

CONTROL POINTS

• CP6	980162.260000	2456179.010000	348.000000	MCN ARP PUBLISHED
• CP6A	980162.273000	2456179.039000	348.460000	MCN ARP FOUND, ADJUSTED
• CP7	978249.410000	2453476.800000	251.476000	MCN AA2813 NOT FOUND
• CP9	977350.009000	2452267.685000	331.052000	NAIL WITH WASHER FND RUNWAY END PUBLISHED
• CP9A	977350.065000	2452267.488000	331.247000	MAG/ RUNWAY END, FOUND,ADJUSTED
• CP10	977239.060000	2452367.510000	329.200000	MCN AB6328 PUBLISHED
• CP10A	977239.020000	2452367.471000	329.022000	MCN AB6328 FOUND, ADJUSTED
• CP11	978091.942000	2453280.050000	339.646000	NWS, CREATED BY RESECTION OF PACS
• CP12	977965.159000	2452421.892000	327.781000	MAG, IN AOA, FOUND IN TAXI
• CP13	977773.086000	2452187.930000	326.408000	MAG, IN AOA FOUND IN TAXI
• CP14	976682.542000	2451582.652000	294.349000	MAG, IN AOA, FOUND IN TAXI
• CP15	976825.842000	2452206.449000	283.618000	MAG, IN AOA NOT USED?
• CP16	976519.431000	2452205.479000	291.787000	MAG, OUTSIDE AOA TRAVERSE ONLY
• CP17	976642.357000	2452208.901000	284.476000	MAG, IN AOA TRAVERSE ONLY
• CP17A				
• CP18	976533.596000	2451579.781000	290.290000	GPS BASE 2, IPS, AJC CONTROL
• CP19	976732.283000	2452728.629000	322.756000	MAG, IN AOA AT CONC DITCH
• CP20	981726.291000	2457073.344000	354.306000	MAG RUNEND FOUND FAR END
• CP25	976422.701	2452452.766	289.306	MAG, TRAV ONLY, ACROSS 247
• CP40	978773.683000	2452122.107000	294.724000	IRON PIN FOUND
• CP41	978773.790000	2452122.048000	294.690000	IRON PIN FOUND
• 1150	977500.530	2451317.598	302.157	GPS BASE 1, IPF
• CP30	976770.803	2451290.906	293.667	GPS BASE 3, IPS AJC CONTROL SET BY ROBOT

RUNWAY END NAIL (CP9)
 NORTH = 2452264.6840
 EAST = 977348.0050
 NAVD 88 ELEVATION = 331.10'

PROPOSED RETAINING WALL

SARDIS CHURCH ROAD



PASSERO ASSOCIATES
 Engineering Architecture
 www.passero.com

Stamp:

Client:
Macon-Bibb County



Middle Georgia Regional Airport
 Macon-Bibb County, Georgia

Passero Associates
 4730 Casa Cola Way, Suite 200 Saint Augustine, FL 32095 (904) 757-6106 Fax: (904) 757-6107

Revisions				
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PROJECT LAYOUT & SURVEY CONTROL

RUNWAY 5-23
 EXTENSION - PACKAGE 1
 RETAINING WALL,
 PHASE 1

Town/City: Macon
 County: Bibb State: Georgia

Project No.
 20202946.0009

Drawing No.
G2-1

Date
 September 2022

1. **COORDINATION**
 - 1.1 DESIGN, BIDDING, AND PRE-CONSTRUCTION CONFERENCES _____
 - 1.2 ADDRESSES NECESSARY ACTIONS WHEN CHANGES ARE PROPOSED TO CSPP _____
 - 1.3 PROVISIONS FOR FAA ATO COORDINATION _____
- PHASING**
 - 2.1 PHASE ELEMENTS _____
 - 2.2 CONSTRUCTION SAFETY DRAWINGS _____
2. **AREAS AND OPERATIONS AFFECTED BY CONSTRUCTION ACTIVITIES**
 - 3.1 IDENTIFICATION OF AFFECTED AREAS _____
 - 3.2 MITIGATION AFFECTS _____
3. **NAVIGATION AID PROTECTION**
 - 4.1 OPERATIONAL NAVAID CRITICAL AREAS _____
4. **CONTRACTOR ACCESS**
 - 5.1 LOCATION OF STOCKPILED CONSTRUCTION MATERIAL _____
 - 5.2 VEHICLE AND PEDESTRIAN OPERATIONS _____
5. **WILDLIFE MANAGEMENT**
 - 6.1 TRASH _____
 - 6.2 STANDING WATER _____
 - 6.3 TALL GRASS _____
 - 6.4 FENCING AND GATES _____
 - 6.5 DISRUPTION OF WILDLIFE HABITAT _____
6. **FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT**
 - 7.1 FOD CONTROL MEASURES _____
7. **HAZARDOUS MATERIAL MANAGEMENT**
 - 8.1 HAZARDOUS MATERIAL CONTROL _____
8. **NOTIFICATION OF CONSTRUCTION ACTIVITIES**
 - 9.1 LIST OF RESPONSIBLE REPRESENTATIVES _____
 - 9.2 NOTAMs _____
 - 9.3 EMERGENCY NOTIFICATION PROCEDURES _____
 - 9.4 COORDINATION WITH ARFF _____
 - 9.5 NOTIFICATION TO THE FAA (PART 77, NAVAIDS) _____
9. **INSPECTION REQUIREMENTS**
 - 10.1 DAILY INSPECTIONS _____
 - 10.2 FINAL INSPECTIONS _____
10. **UNDERGROUND UTILITIES**
 - 11.1 PROCEDURES FOR PROTECTING EXISTING UNDERGROUND UTILITIES _____
11. **PENALTIES**
 - 12.1 PENALTY PROVISIONS FOR NONCOMPLIANCE WITH SAFETY PLAN PROVISIONS _____
12. **SPECIAL CONDITIONS**
 - 13.1 UNIQUE CONDITIONS THAT MAY AFFECT THE OPERATION OF THE AIRPORT _____
13. **RUNWAY AND TAXIWAY VISUAL AIDS**
 - 14.1 GENERAL - CONVEY CLEAR MEANING; SECURED FROM MOVEMENT; FRANGIBLE _____
 - 14.2 MARKINGS _____
 - 14.3 LIGHTING AND VISUAL NAVAIDS _____
 - 14.4 SIGNAGE _____
14. **ACCESS ROUTES - MARKING AND SIGNAGE**
 - 15.1 HAUL ROAD DEMARCATION _____
15. **HAZARD MARKING, LIGHTING AND SIGNAGE**
 - 16.1 AREAS IMPACTED BY CONSTRUCTION OPERATIONS _____
 - 16.2 EQUIPMENT _____
16. **PROTECTION RUNWAY AND TAXIWAY AREAS, ZONES AND SURFACES**
 - 17.1 RUNWAY SAFETY AREA (RSA) _____
 - 17.2 RUNWAY OBJECT FREE AREA (ROFA) _____
 - 17.3 TAXIWAY SAFETY AREA (TSA) _____
 - 17.4 TAXIWAY OBJECT FREE ZONE (TOFA) _____
 - 17.5 OBSTACLE FREE ZONE (OFZ) _____
 - 17.6 APPROACH AND DEPARTURE SURFACES _____
17. **OTHER LIMITATIONS ON CONSTRUCTION**
 - 18.1 PROHIBITIONS _____
 - 18.2 RESTRICTIONS _____

PROGRESS MEETINGS WILL BE HELD ON SITE AS NEEDED.

ALL PROPOSED CHANGES TO THE CONSTRUCTION SAFETY AND PHASING PLAN SHALL BE APPROVED BY . 7460-1 FILED AND FAA DETERMINATION TO BE RECEIVED PRIOR TO CONSTRUCTION.

CONSTRUCTION IS COMPRISED OF ONE SINGLE PHASE ACROSS 120 CALENDAR DAYS. INCLUDED IN PLANS.

RUNWAY 5/23 AND TAXIWAY B SHALL BE OPEN FOR THE ENTIRE DURATION OF CONSTRUCTION. NOTAM TO BE ISSUED BY AIRPORT MANAGEMENT PRIOR TO START OF CONSTRUCTION.

RUNWAY 5/23 NAVIGATIONAL AIDS SHALL REMAIN ACTIVE FOR THE ENTIRE DURATION OF CONSTRUCTION.

TO BE LOCATED IN THE CONTRACTOR STAGING AREA AS SHOWN ON THE PLANS. ALL VEHICLES MUST BE LIGHTED. PEDESTRIANS ARE TO REMAIN IN DESIGNATED WORK AREA. PEDESTRIANS AND VEHICLES ARE TO YIELD TO ANY TRAFFIC WHEN THERE IS POTENTIAL FOR CONFLICT.

ALL WASTE TO BE REMOVED FROM AIRPORT PROPERTY. CONTRACTOR SHALL ADDRESS STANDING WATER AS NECESSARY TO DETER WILDLIFE. CONTRACTOR SHALL ADDRESS TALL GRASS AS NECESSARY TO DETER WILDLIFE. MEANS OF EGRESS FOR CONSTRUCTION PERSONNEL SHALL BE LIMITED TO THE HAUL ROUTE AS SHOWN ON THE PLANS. NO ACCESS THROUGH THE AIRPORT PERIMETER FENCE WILL BE REQUIRED. N/A.

CONTRACTOR TO SWEEP OR BLOW SARDIS CHURCH ROAD WEST BOUND PAVEMENT DAILY.

NO HAZARDOUS MATERIALS SHALL BE BROUGHT ONTO AIRPORT PROPERTY.

CONTRACTOR WILL HAVE LIST OF RESPONSIBLE REPRESENTATIVES. WILL BE ISSUED BY AIRPORT MANAGER; CONTRACTOR SHALL NOTIFY AIRPORT MANAGER AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION IN THE AFFECTED WORK AREA. IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR SHALL CALL 911 BEFORE NOTIFYING THE AIRPORT OR ENGINEER. MEETINGS WITH ARFF REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION. NOTIFY THE FAA FOR CONSTRUCTION AFFECTING CFR PART 77 NAVIGABLE AIRSPACE, CFR PART 157 CONSTRUCTION ALTERATION, ACTIVATION, AND DEACTIVATION OF AIRPORT, OR NAVAID IMPACTS.

TO BE PERFORMED BEFORE AND AFTER EACH WORKING DAY. TO BE PERFORMED BY THE AIRPORT, ENGINEER OF RECORD, & GDOT REPRESENTATIVE AFTER PROJECT COMPLETION.

CONTRACTOR SHALL CALL GEORGIA 811 TO LOCATE ANY KNOWN UTILITIES BEFORE PENETRATING ANY GROUND SURFACE.

A FINE WILL BE ISSUED AND IS TO BE PAID BY THE PRIME CONTRACTOR FOR EACH INCIDENCE RECORDED BY THE TOWER.

N/A

N/A

N/A

N/A

HAUL ROUTE SHOWN IN THE PLANS (AVONDALE MILL ROAD).

NOTAM OF AFFECTED AREA TO BE ISSUED PRIOR TO THE START OF CONSTRUCTION.

N/A

CONTRACTOR SHALL NOT ENTER THE AIRPORT SECURITY FENCE AT ANY TIME DURING CONSTRUCTION. CONTRACTOR SHALL NOT ENTER THE AIRPORT SECURITY FENCE AT ANY TIME DURING CONSTRUCTION.

N/A

N/A

N/A

N/A

NO USE OF TALL EQUIPMENT GREATER THAN 20 LINEAR FEET IN HEIGHT (CONCRETE PUMP, ETC.) ON PROJECT SITE UNLESS A 7460-1 DETERMINATION LETTER ISSUES FOR SUCH EQUIPMENT. NO USES OF OPEN FLAMES, WELDING, OR TORCHES UNLESS FIRE SAFETY PRECAUTIONS ARE PROVIDED AND THE AIRPORT MANAGER HAS APPROVED THEIR USE. NO USE OF ELECTRICAL BLASTING CAPS WITHIN 1,000 FEET OF AIRPORT PROPERTY. NO USE OF FLARE POTS WITHIN THE AOA.

NO MOVEMENT ON THE AIRFIELD IS ALLOWED.

AIRFIELD RADIO FREQUENCY

CTAF: 128.2 MHz
UNICOM: 122.7 MHz

MACON GROUND: 121.65 MHz
(8AM LOCAL TIME - 8PM LOCAL TIME)

MACON TOWER: 128.2 MHz
(8AM LOCAL TIME - 8PM LOCAL TIME)

NOTABLE CONTACTS

DOUG FAOUR,
AIRPORT MANAGER
TELEPHONE: (478) 803-0460
EMAIL: DOUG.FAOUR@TBIAM.AERO

JOSHUA HARRELL,
AIRPORT OPERATIONS MANAGER
TELEPHONE: (478) 803-0456
EMAIL: JOSHUA.HARRELL@TBIAM.AERO

EMERGENCY CONTACTS

IN THE EVENT OF AN EMERGENCY DIAL 911

POLICE:

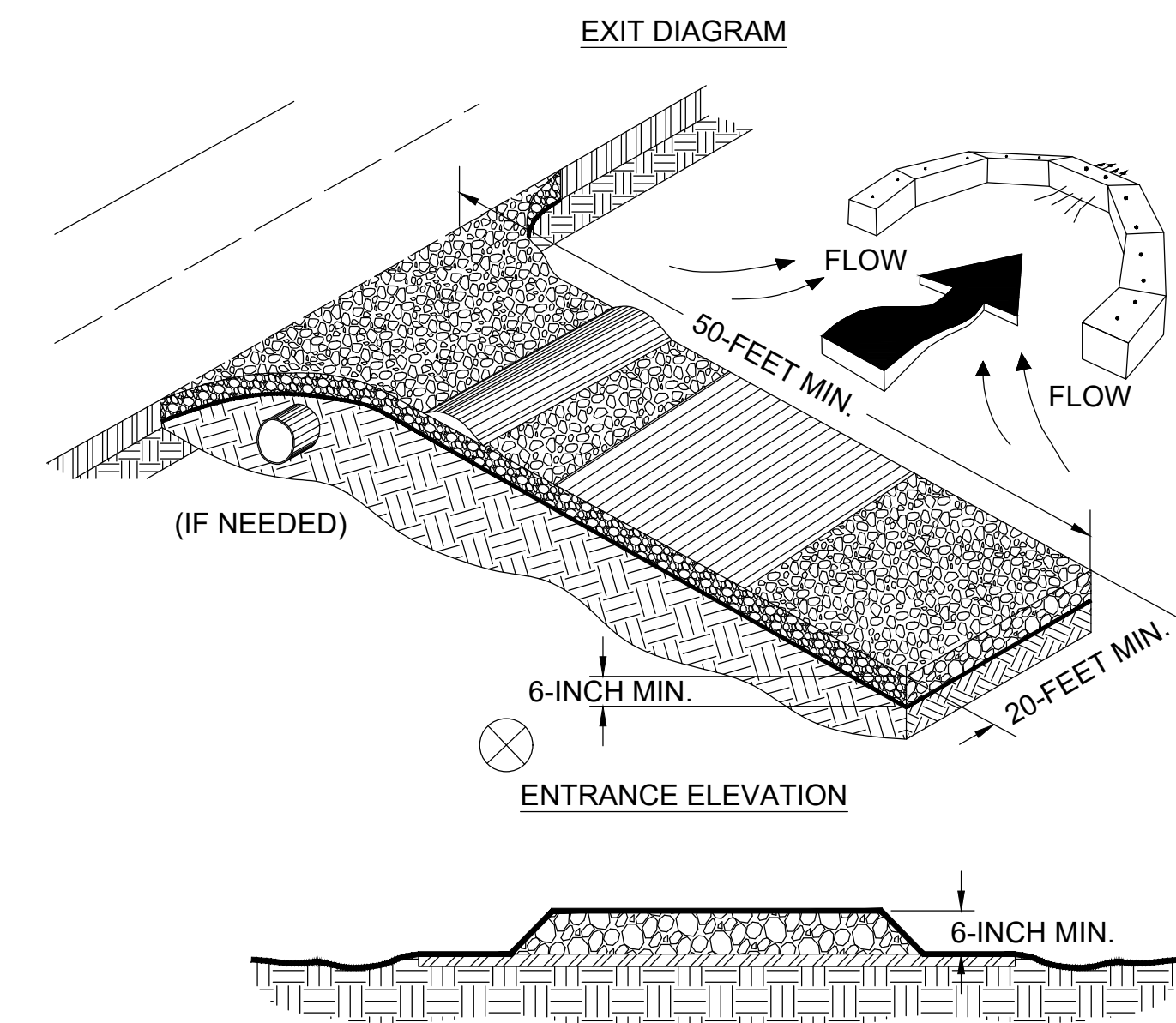
BIBB COUNTY SHERIFF'S DEPARTMENT
DISTRICT 2
2654 HOUSTON AVENUE
MACON, GEORGIA 31206
TELEPHONE: (478) 751-9171

FIRE:

FIRE STATION 107
3410 JONES ROAD
MACON, GEORGIA 31216
TELEPHONE: (478) 784-8780

MEDICAL:

PIEDMONT MACON
350 HOSPITAL DRIVE
MACON, GEORGIA 31217
TELEPHONE: (478) 765-7000



- NOTES:**
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5-INCH TO 3.5-INCH STONE).
 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6-INCH.
 5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20-FEET.
 6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
 9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
 10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 11. PRE-MANUFACTURED CONSTRUCTION EXIT ALTERNATIVE MAY BE UTILIZED AS APPROVED BY THE RESIDENT PROJECT REPRESENTATIVE.

1 CRUSHED STONE CONSTRUCTION ENTRANCE/EXIT
1-2 DETAIL - NOT TO SCALE



Stamp:

Client:
Macon-Bibb County



Middle Georgia Regional Airport
Macon-Bibb County, Georgia

Passero Associates
4730 Casa Cola Way, Suite 200 Saint Augustine, FL 32095 (904) 757-6106 Fax: (904) 757-6107

Revisions			
No.	Date	By	Description
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CONSTRUCTION SAFETY AND PHASING PLAN

RUNWAY 5-23
EXTENSION

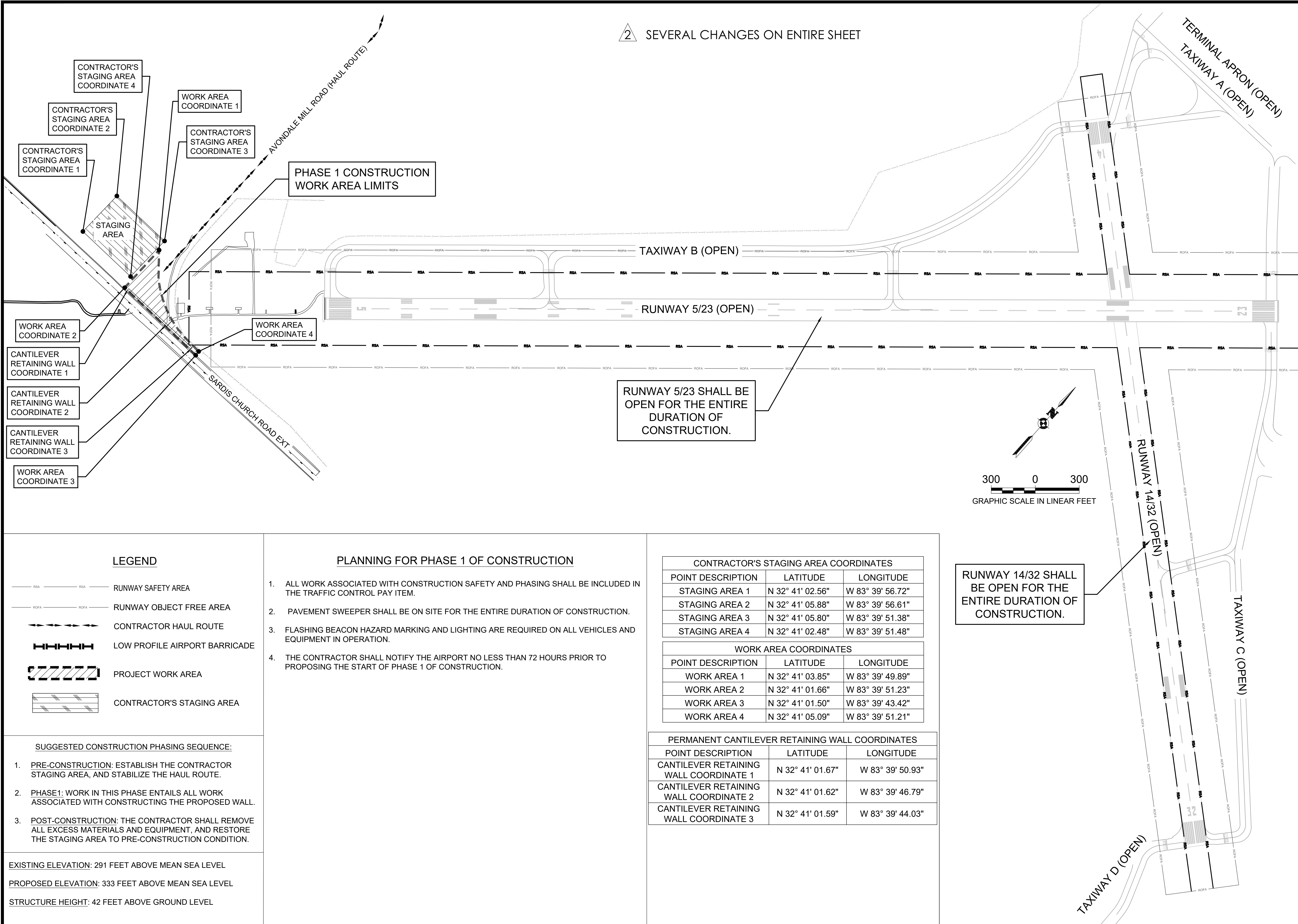
Town/City: Macon
County: Bibb State: Georgia

Project No.
20202946.0003

Drawing No.
C1-1

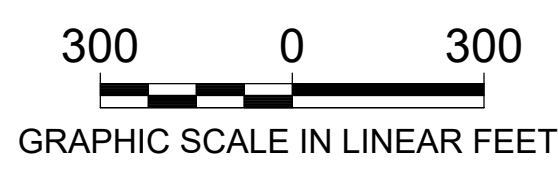
Date
September 2022

2 SEVERAL CHANGES ON ENTIRE SHEET



RUNWAY 5/23 SHALL BE OPEN FOR THE ENTIRE DURATION OF CONSTRUCTION.

RUNWAY 14/32 SHALL BE OPEN FOR THE ENTIRE DURATION OF CONSTRUCTION.



LEGEND

- RSA ——— RUNWAY SAFETY AREA
- ROFA ——— RUNWAY OBJECT FREE AREA
- CONTRACTOR HAUL ROUTE
- HHHHH LOW PROFILE AIRPORT BARRICADE
- ▨▨▨▨▨ PROJECT WORK AREA
- ▨▨▨▨▨ CONTRACTOR'S STAGING AREA

PLANNING FOR PHASE 1 OF CONSTRUCTION

1. ALL WORK ASSOCIATED WITH CONSTRUCTION SAFETY AND PHASING SHALL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEM.
2. PAVEMENT SWEEPER SHALL BE ON SITE FOR THE ENTIRE DURATION OF CONSTRUCTION.
3. FLASHING BEACON HAZARD MARKING AND LIGHTING ARE REQUIRED ON ALL VEHICLES AND EQUIPMENT IN OPERATION.
4. THE CONTRACTOR SHALL NOTIFY THE AIRPORT NO LESS THAN 72 HOURS PRIOR TO PROPOSING THE START OF PHASE 1 OF CONSTRUCTION.

CONTRACTOR'S STAGING AREA COORDINATES

POINT DESCRIPTION	LATITUDE	LONGITUDE
STAGING AREA 1	N 32° 41' 02.56"	W 83° 39' 56.72"
STAGING AREA 2	N 32° 41' 05.88"	W 83° 39' 56.61"
STAGING AREA 3	N 32° 41' 05.80"	W 83° 39' 51.38"
STAGING AREA 4	N 32° 41' 02.48"	W 83° 39' 51.48"

WORK AREA COORDINATES

POINT DESCRIPTION	LATITUDE	LONGITUDE
WORK AREA 1	N 32° 41' 03.85"	W 83° 39' 49.89"
WORK AREA 2	N 32° 41' 01.66"	W 83° 39' 51.23"
WORK AREA 3	N 32° 41' 01.50"	W 83° 39' 43.42"
WORK AREA 4	N 32° 41' 05.09"	W 83° 39' 51.21"

PERMANENT CANTILEVER RETAINING WALL COORDINATES

POINT DESCRIPTION	LATITUDE	LONGITUDE
CANTILEVER RETAINING WALL COORDINATE 1	N 32° 41' 01.67"	W 83° 39' 50.93"
CANTILEVER RETAINING WALL COORDINATE 2	N 32° 41' 01.62"	W 83° 39' 46.79"
CANTILEVER RETAINING WALL COORDINATE 3	N 32° 41' 01.59"	W 83° 39' 44.03"

- SUGGESTED CONSTRUCTION PHASING SEQUENCE:**
1. PRE-CONSTRUCTION: ESTABLISH THE CONTRACTOR STAGING AREA, AND STABILIZE THE HAUL ROUTE.
 2. PHASE 1: WORK IN THIS PHASE ENTAILS ALL WORK ASSOCIATED WITH CONSTRUCTING THE PROPOSED WALL.
 3. POST-CONSTRUCTION: THE CONTRACTOR SHALL REMOVE ALL EXCESS MATERIALS AND EQUIPMENT, AND RESTORE THE STAGING AREA TO PRE-CONSTRUCTION CONDITION.

EXISTING ELEVATION: 291 FEET ABOVE MEAN SEA LEVEL
 PROPOSED ELEVATION: 333 FEET ABOVE MEAN SEA LEVEL
 STRUCTURE HEIGHT: 42 FEET ABOVE GROUND LEVEL



Stamp:

Client: **Macon-Bibb County**



Middle Georgia Regional Airport
 Macon-Bibb County, Georgia

Passero Associates

4730 Casa Cola Way, Suite 200 Saint Augustine, FL 32095 (904) 757-6106 Fax: (904) 757-6107

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CONSTRUCTION SAFETY AND PHASING PLAN

RUNWAY 5-23 EXTENSION

Town/City: Macon County: Bibb State: Georgia

Project No. 20202946.0003

Drawing No. **C1-2**

Date September 2022

GEORGIA STANDARDS

BAR BENDING DETAILS ----- GA. STD. 3901 (8-69)
 CONCRETE SIDE BARRIER TYPES 7-CS, 7-TS, AND 7-WS ----- GA. STD. 4949A (12-2017)
 CONCRETE BARRIER - TEMPORARY (END TREATMENT OPTIONS) ---- GA. STD. 4960 (5-2007)
 GUARDRAIL IMPACT ATTENUATOR UNITS ----- GA. DET. G-11 (7-2011)

DESIGN DATA

SPECIFICATIONS ----- AASHTO LRFD 8TH EDITION, 2017
 SOIL TYPE AND PROFILE ----- SITE CLASSIFICATION D
 CONCRETE ----- CLASS AA, $f'_c = 3,500$ PSI
 REINFORCEMENT STEEL ----- GRADE 60, $f_y = 60,000$ PSI
 RETAINED SOIL:
 COHESION ----- 50 PSF
 ANGLE OF INTERNAL FRICTION ----- 32°
 UNIT WEIGHT ----- 120 PCF
 FOUNDATION SOIL:
 COHESION ----- 100 PSF
 ANGLE OF INTERNAL FRICTION ----- 30°
 UNIT WEIGHT ----- 120 PCF

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2021 EDITION, AS MODIFIED BY CONTRACT DOCUMENTS.
 REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL. MAINTAIN 3 INCHES CLEARANCE ON ALL FOOTING REINFORCING STEEL AND 2 INCHES COVER ON ALL STEM REINFORCING, UNLESS OTHERWISE NOTED. DO NOT INCLUDE FORMLINER THICKNESS IN MEASUREMENT OF MINIMUM CLEARANCE, IF PRESENT. LONGITUDINAL REINFORCING SHALL NOT EXTEND THROUGH EXPANSION JOINTS. STEM LONGITUDINAL REINFORCING SHALL NOT EXTEND THROUGH CONTRACTION JOINTS. LONGITUDINAL FOOTING REINFORCING SHALL BE CONTINUOUS BETWEEN EXPANSION JOINTS.
 CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES $\frac{3}{4}$ INCH UNLESS OTHERWISE NOTED.
 SPECIAL SURFACE COATING - PROVIDE A SPECIAL SURFACE COATING TO ALL EXPOSED SURFACES OF THE WALL IN ACCORDANCE WITH SECTION 836 OF THE GEORGIA DOT SPECIFICATIONS. USE A COATING THAT MATCHES FEDERAL STANDARD COLOR NO. 36622. INCLUDE COST OF SPECIAL SURFACE COATING IN THE OVERALL BID SUBMITTED.
 GRAFFITI PROOF COATING - APPLY A GRAFFITI PROOF COATING AS PER SECTION 838 OF THE GEORGIA DOT SPECIFICATIONS.
 BACKFILL - PLACE BACKFILL ON FRONT FACE SIDE OF WALL BEFORE BACKFILLING BACKFACE OF WALL.
 TEMPORARY SHORING - PROVIDE TEMPORARY SHORING AS NECESSARY FOR WALL CONSTRUCTION.
 GEOCOMPOSITE WALL DRAIN - USE OF A GEOCOMPOSITE WALL DRAIN, SELECTED FROM THE GEORGIA DOT QUALIFIED PRODUCTS LIST, IS AN ACCEPTABLE SUBSTITUTE FOR THE SAND BLANKET SHOWN IN THE DRAINAGE DETAILS.
 WALL JOINTS - EXPANSION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING OF 90'-0" AND EXTEND THROUGH THE WALL STEM AND FOOTING. CONTRACTION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING OF 30'-0" AND EXTEND THROUGH THE WALL STEM ONLY.
 JOINTS IN WALL FORMS - SUPPORT JOINTS IN WALL FORMS WITH BACKING STRIPS TO PROVIDE A FLUSH SURFACE IN THE FINISHED WALL FACE.
 WATERSTOPS - ALL HORIZONTAL AND VERTICAL CONSTRUCTION JOINTS SHALL CONTAIN 6" PLAIN WATERSTOPS. ALL VERTICAL EXPANSION JOINTS SHALL CONTAIN A 6" BULB TYPE WATERSTOP.
 FOOTING EXCAVATION - EXCAVATE FOR SPREAD FOOTINGS WITH CARE TO PREVENT UNDERCUTTING UNLESS OTHERWISE NOTED IN PLANS. PLACE FOOTINGS ON UNDISTURBED SOIL.
 INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF JOINT FILLERS, WATERPROOFING, WALL DRAIN, GRAFFITI PROOF COATING AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.
 CONTRACTOR COORDINATION - CONTRACTOR SHALL COORDINATE WITH OWNER, PRIOR TO CONSTRUCTION, ON FINAL TEXTURE AND FINISH OF RETAINING WALLS TO ENSURE AN APPROVED APPEARANCE. COORDINATE WITH CIVIL PLANS FROM PASSERO ASSOCIATES FOR DETAILS AND PAYMENT OF SIDEWALK AND ROADWAY ITEMS REQUIRED TO BE RECONSTRUCTED AS PART OF THIS WORK.
 TEMPORARY CONSTRUCTION WORK - ALL TEMPORARY CONSTRUCTION WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AS PART OF THE CONTRACTOR'S CONSTRUCTION MEANS AND METHODS.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-3810	2487	CY	CLASS AA CONCRETE, INCL REINF STEEL
641-4086	750	LF	CONCRETE SIDE BARRIER, TYPE 7WS
648-1550	2	EA	IMPACT ATTENUATOR UNIT, TYPE S-4-S-38

11:00 PM

8/31/2022

USER: t.sports

WALL NO. 1

H&L Heath & Lineback Engineers
 INCORPORATED
 2390 CANTON ROAD • BUILDING 200
 MARIETTA, GEORGIA 30066-5393
 (770) 424-1668

GENERAL NOTES
 MIDDLE GEORGIA REGIONAL AIRPORT
 RUNWAY 5 EXTENSION PHASE I
 BIBB COUNTY

NO SCALE AUGUST 2022

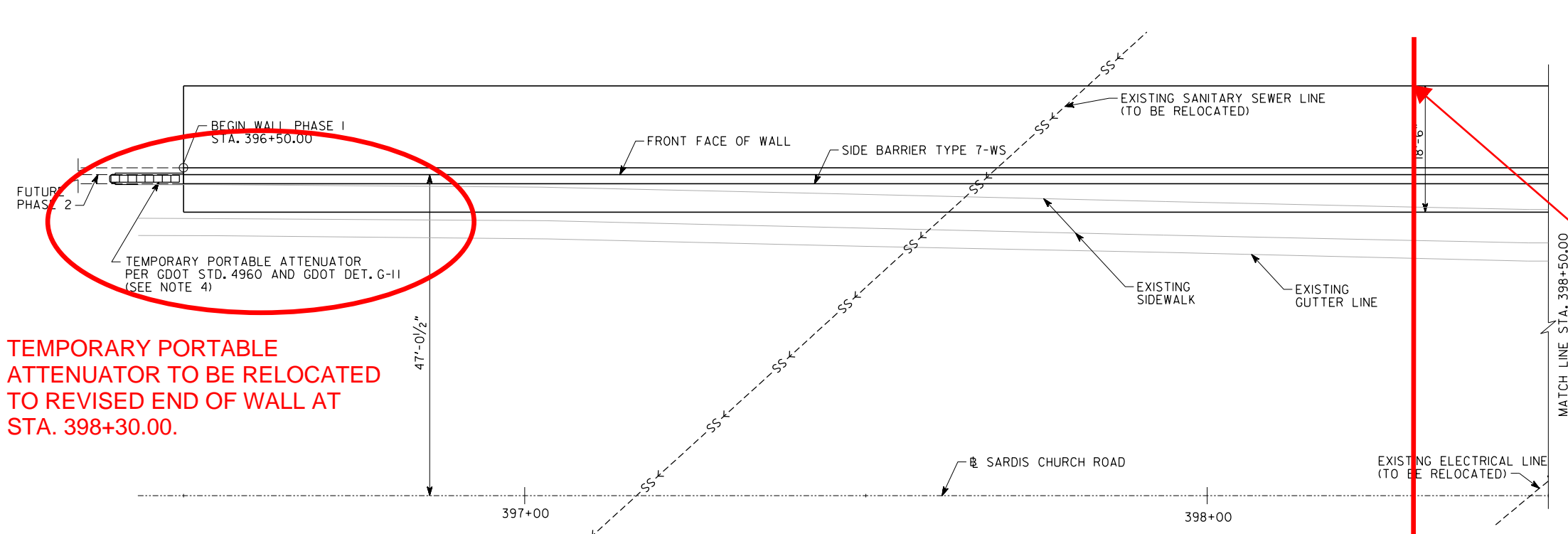


8/31/2022

DRAWING NO.
32-0001

WALL SHEET
1 OF 5

DATE	REVISIONS	BY	DESIGNED	CHECKED	REVIEWED
			TBS/AHH	JAH/BKA	
			AHH		

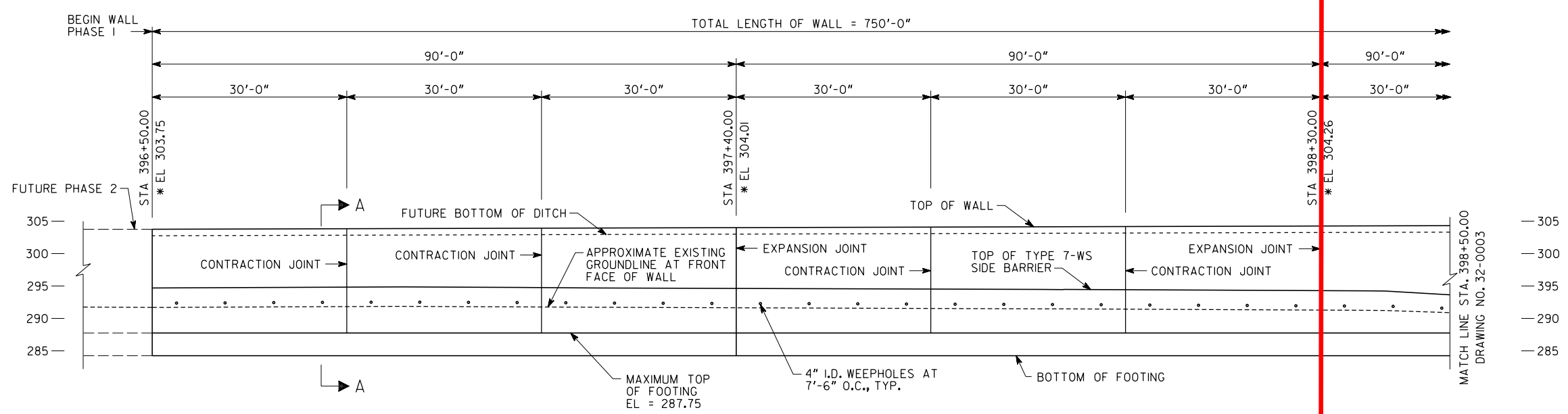


TEMPORARY PORTABLE ATTENUATOR TO BE RELOCATED TO REVISED END OF WALL AT STA. 398+30.00.

**CORNER OF WALL FOUNDATION
N 976,544.94
E 2,451,184.28**

PLAN

NOT IN CONTRACT ← → **BEGIN WALL CONSTRUCTION STA. 398+30.00**



ELEVATION
LOOKING AT FRONT FACE OF WALL

NOT IN CONTRACT ← → **BEGIN WALL CONSTRUCTION STA. 398+30.00**

- NOTES:**
- ALL LENGTHS ARE MEASURED ALONG FRONT FACE OF WALL.
 - * TOP OF WALL ELEVATION.
 - STATIONS ARE ALONG SARDIS CHURCH ROAD. OFFSETS ARE MEASURED TO FRONT FACE OF WALL.
 - TEMPORARY ATTENUATOR SHALL BE REMOVED DURING PHASE 2 CONSTRUCTION.
 - COST OF TEMPORARY ATTENUATOR INCLUDING ALL ACCESSORIES, CONCRETE PAD, BACKUP SYSTEM, NOSE STRIPING PANEL, MATERIALS, AND LABOR NECESSARY TO COMPLETE THE SYSTEM SHALL BE PAID FOR UNDER PAY ITEM 648-I550.

ADDENDUM NO. 2

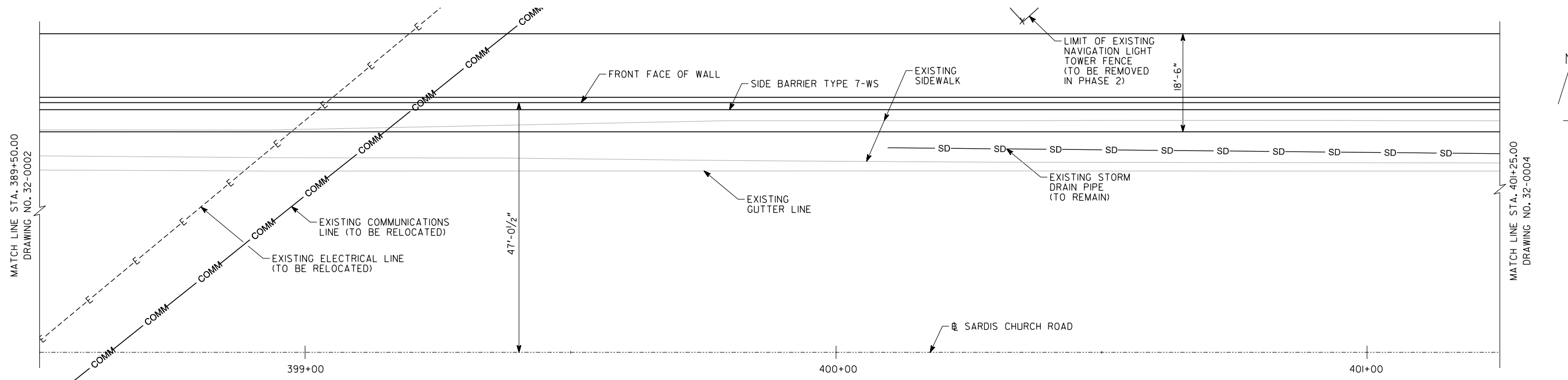
DATE		REVISIONS		BY	
Heath & Lineback Engineers INCORPORATED 2390 CANTON ROAD • BUILDING 200 MARIETTA, GEORGIA 30066-5393 (770) 424-1668					
RETAINING WALL ENVELOPE (1 OF 3) MIDDLE GEORGIA REGIONAL AIRPORT RUNWAY 5 EXTENSION PHASE I BIBB COUNTY					
DRAWING NO. 32-0002				WALL SHEET 2 OF 5	
DESIGNED TBS/AHH		CHECKED JAH/BKA		REVIEWED	
DRAWN AHH		DESIGN GROUP		APPROVED	
SCALE: 1" = 10'-0"				AUGUST 2022	

WALL NO. 1

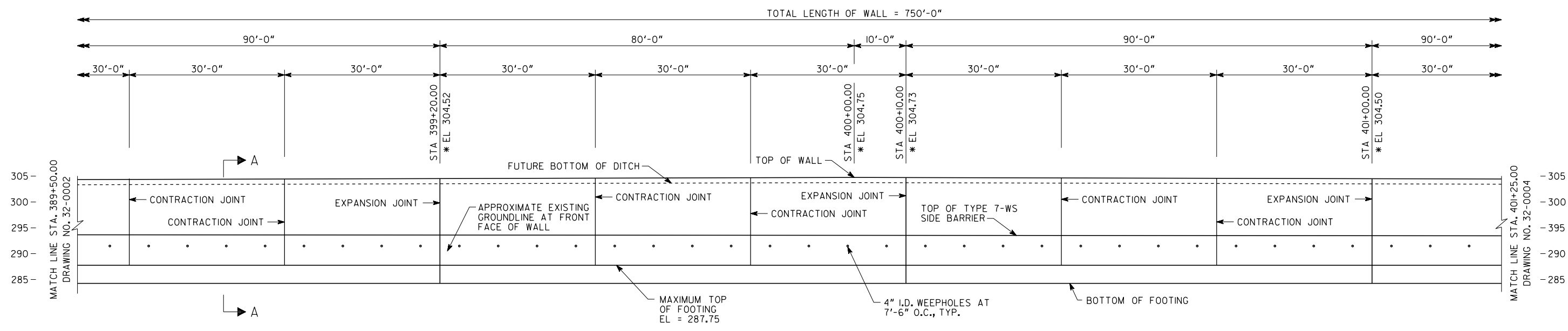
1/4" = 1" WHEN PRINTED FULL SIZE

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8/31/2022 11:04 PM USER:tsports




PLAN

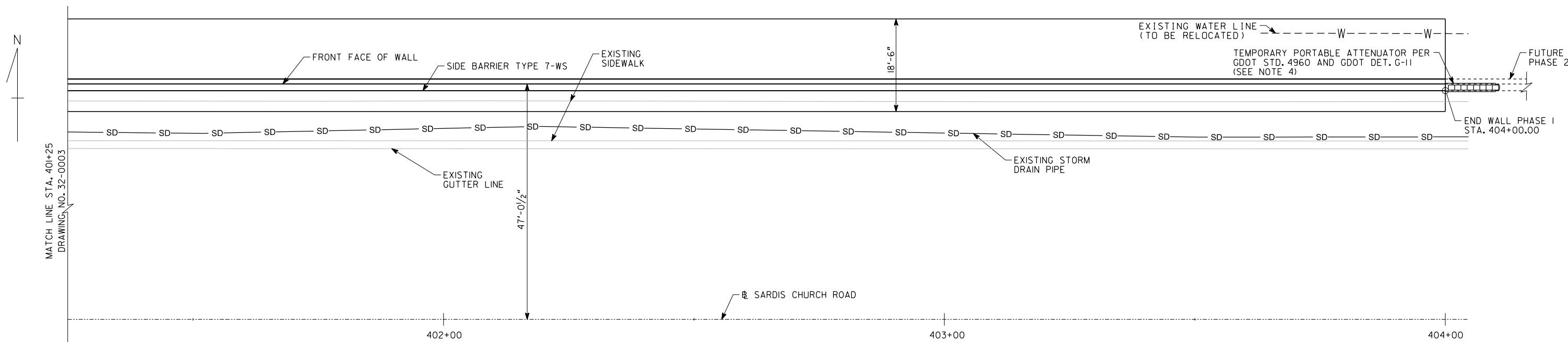


ELEVATION
LOOKING AT FRONT FACE OF WALL

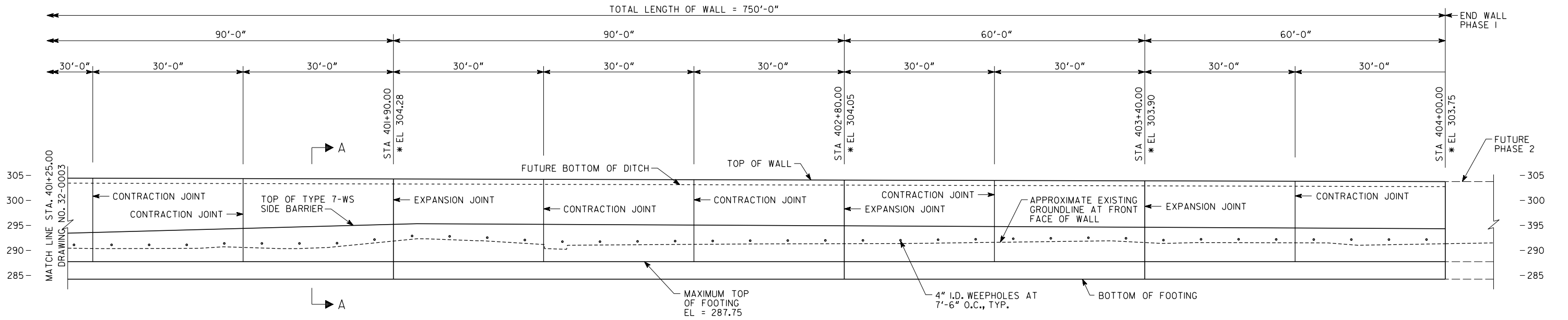
- NOTES:
1. ALL LENGTHS ARE MEASURED ALONG FRONT FACE OF WALL.
 2. * TOP OF WALL ELEVATION.
 3. STATIONS ARE ALONG SARDIS CHURCH ROAD. OFFSETS ARE MEASURED TO FRONT FACE OF WALL.

DATE		WALL NO. 1	
REVISIONS		 Heath & Lineback Engineers INCORPORATED 2390 CANTON ROAD • BUILDING 200 MARIETTA, GEORGIA 30066-5393 (770) 424-1668	
BY		RETAINING WALL ENVELOPE (2 OF 3) MIDDLE GEORGIA REGIONAL AIRPORT RUNWAY 5 EXTENSION PHASE I BIBB COUNTY	
DRAWING NO. 32-0003		SCALE: 1" = 10'-0"	
WALL SHEET 3 OF 5		AUGUST 2022	
DESIGNED	TBS/AHH	CHECKED	JAH/BKA
DRAWN	AHH	DESIGN GROUP	
REVIEWED		APPROVED	

1 INCH WHEN PRINTED FULL SIZE



PLAN



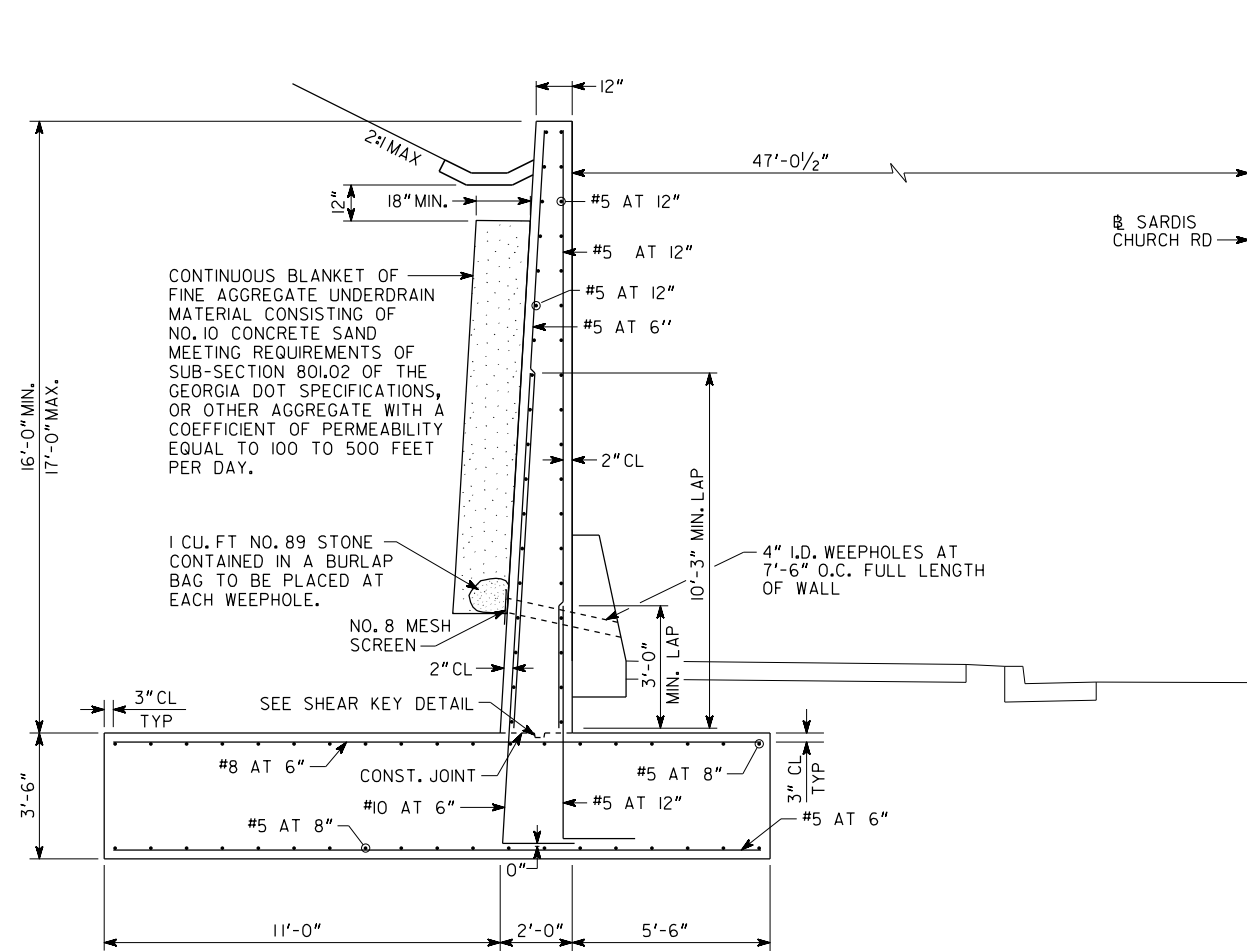
ELEVATION
LOOKING AT FRONT FACE OF WALL

- NOTES:
1. ALL LENGTHS ARE MEASURED ALONG FRONT FACE OF WALL.
 2. * TOP OF WALL ELEVATION.
 3. STATIONS ARE ALONG SARDIS CHURCH ROAD. OFFSETS ARE MEASURED TO FRONT FACE OF WALL.
 4. TEMPORARY ATTENUATOR SHALL BE REMOVED DURING PHASE 2 CONSTRUCTION.
 5. COST OF TEMPORARY ATTENUATOR INCLUDING ALL ACCESSORIES, CONCRETE PAD, BACKUP SYSTEM, NOSE STRIPING PANEL, MATERIALS, AND LABOR NECESSARY TO COMPLETE THE SYSTEM SHALL BE PAID FOR UNDER PAY ITEM 648-I550.

DATE		REVISIONS		BY	
<p>Heath & Lineback Engineers INCORPORATED 2390 CANTON ROAD • BUILDING 200 MARIETTA, GEORGIA 30066-5393 (770) 424-1668</p>					
<p>RETAINING WALL ENVELOPE (3 OF 3) MIDDLE GEORGIA REGIONAL AIRPORT RUNWAY 5 EXTENSION PHASE I BIBB COUNTY</p>					
DRAWING NO. 32-0004				WALL SHEET 4 OF 5	
SCALE: 1" = 10'-0"		AUGUST 2022			
DESIGNED	TBS/AHH	CHECKED	JAH/BKA	REVIEWED	
DRAWN	AHH	DESIGN GROUP		APPROVED	

1" = 1" WHEN PRINTED FULL SIZE

8/31/2022 11:06 PM USER:tsports



CONTINUOUS BLANKET OF FINE AGGREGATE UNDERDRAIN MATERIAL CONSISTING OF NO. 10 CONCRETE SAND MEETING REQUIREMENTS OF SUB-SECTION 801.02 OF THE GEORGIA DOT SPECIFICATIONS, OR OTHER AGGREGATE WITH A COEFFICIENT OF PERMEABILITY EQUAL TO 100 TO 500 FEET PER DAY.

1 CU. FT NO. 89 STONE CONTAINED IN A BURLAP BAG TO BE PLACED AT EACH WEEPHOLE.

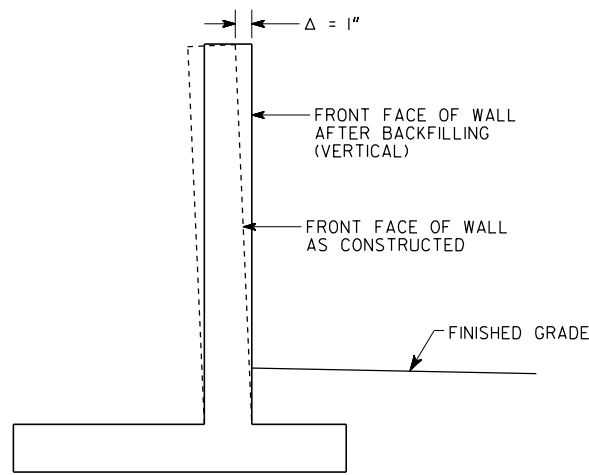
NO. 8 MESH SCREEN

SEE SHEAR KEY DETAIL

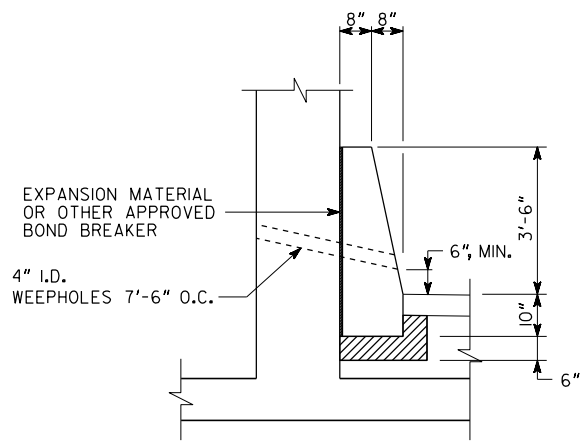
SECTION A-A

NOTES:

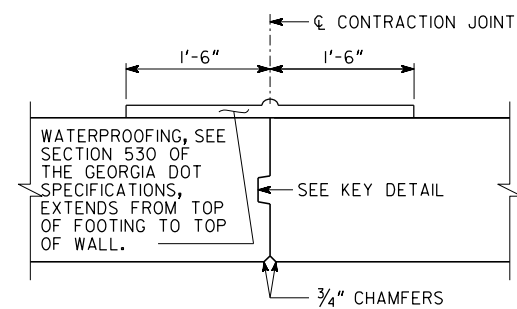
- BACKFILL AND CONCRETE DITCH SHALL NOT BE INSTALLED PRIOR TO COMPLETION OF THE PHASE 2 CONSTRUCTION.
- BAR REINFORCEMENT FOR THE RETAINING WALL SHALL BE INCLUDED IN THE PRICE BID FOR PAY ITEM 500-3810, CLASS AA CONCRETE, INCL REINF STEEL.
- TAKE CARE TO NOT DAMAGE LONGITUDINAL STORM DRAINAGE SYSTEM DURING EXCAVATION AND CONSTRUCTION.



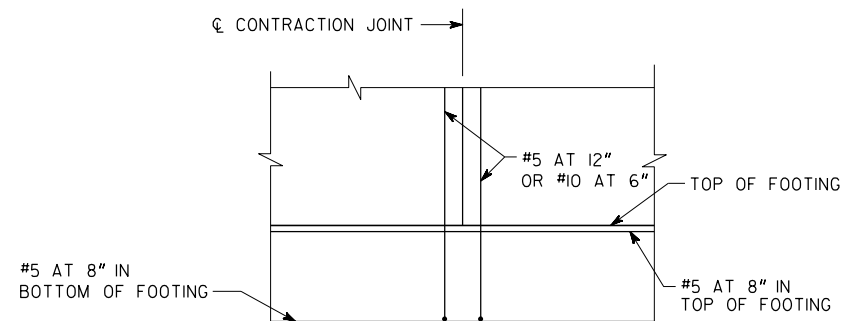
WALL BATTER DETAIL



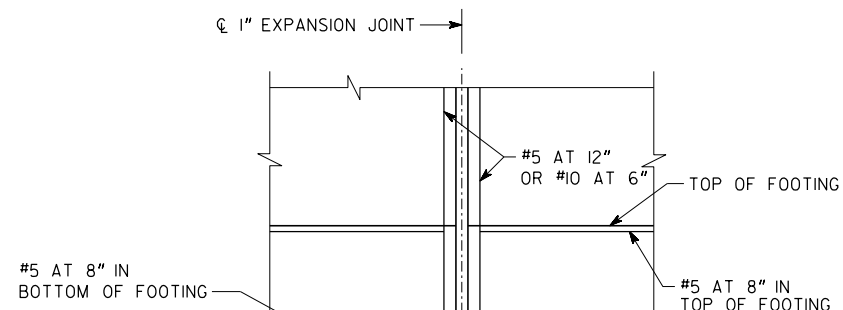
BARRIER DETAIL AGAINST WALLS



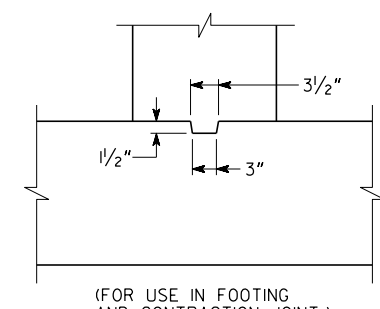
DETAIL OF CONTRACTION JOINT



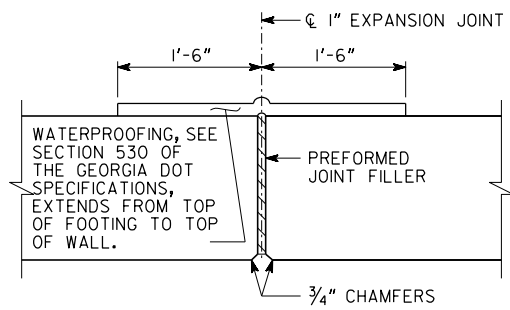
FOOTING AT CONTRACTION JOINT



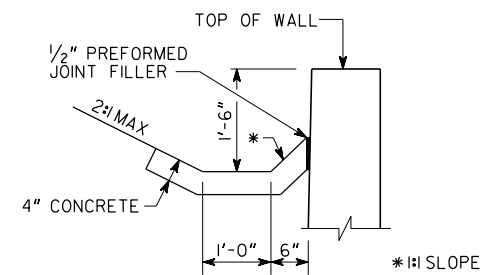
FOOTING AT EXPANSION JOINT



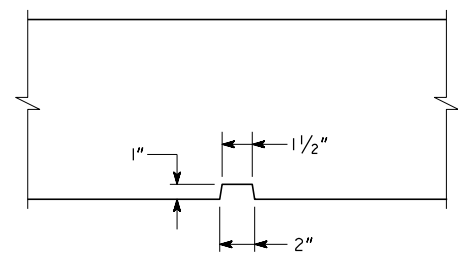
SHEAR KEY DETAIL



DETAIL OF EXPANSION JOINT



FUTURE PAVED DITCH DETAIL



RUSTICATION GROOVE

NOTE: RUSTICATION GROOVES SHALL BE SPACED EVENLY AT 7'-6"± BETWEEN CONTRACTION JOINTS AND EXPANSION JOINTS.

WALL NO. 1

H&L Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD • BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770) 424-1668

MISCELLANEOUS DETAILS
MIDDLE GEORGIA REGIONAL AIRPORT
RUNWAY 5 EXTENSION PHASE I
BIBB COUNTY

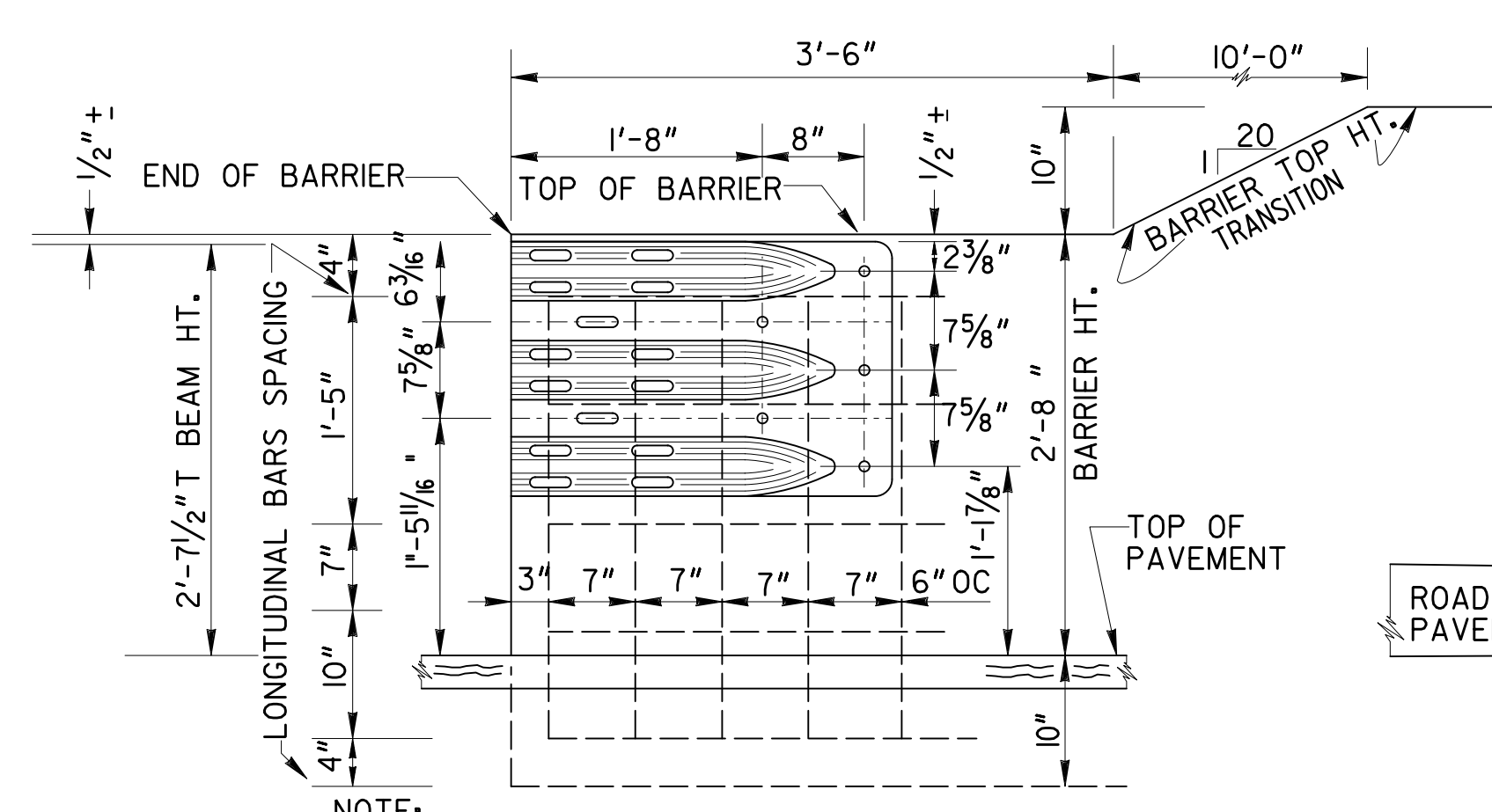
DRAWING NO.
32-0005

WALL SHEET
5 OF 5

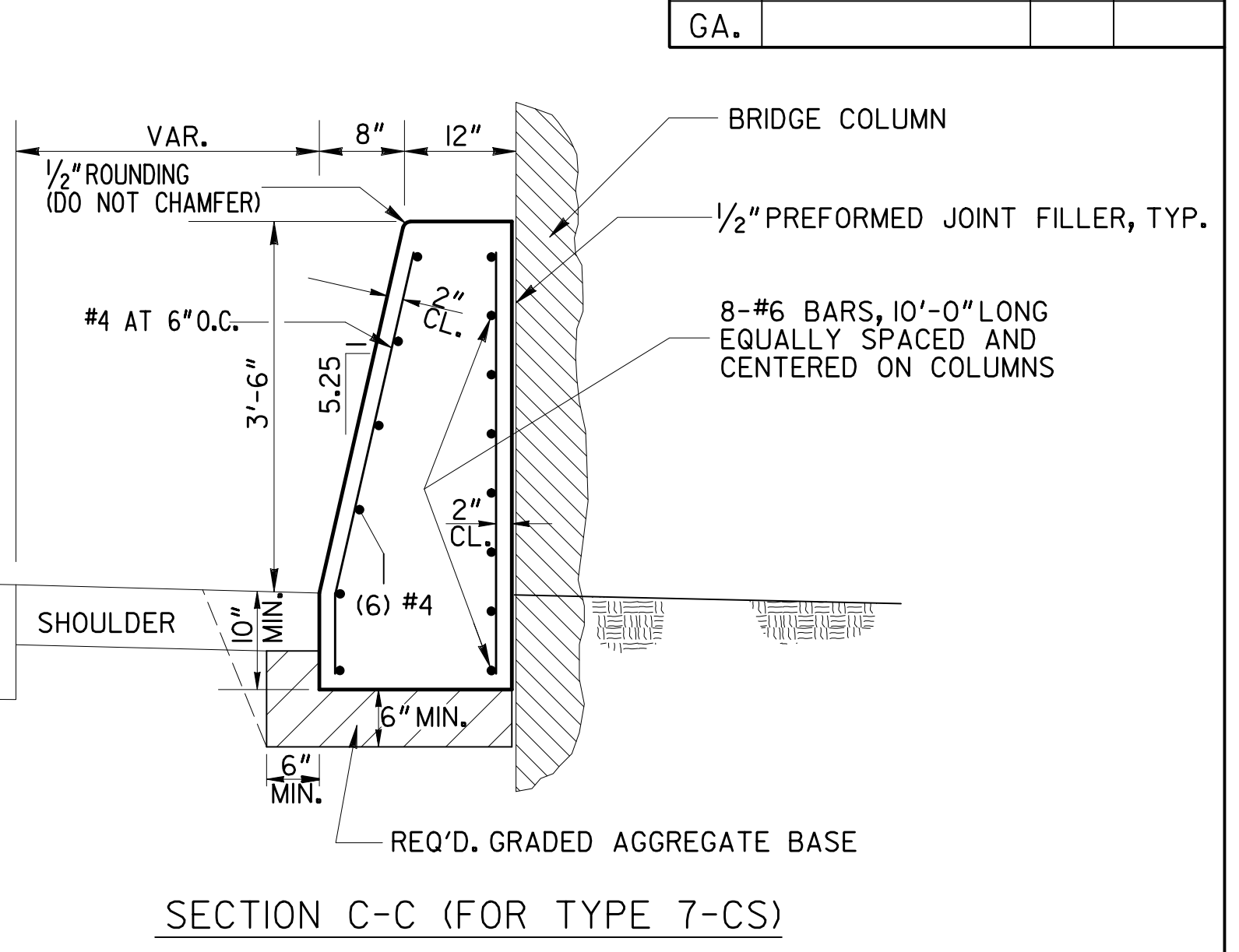
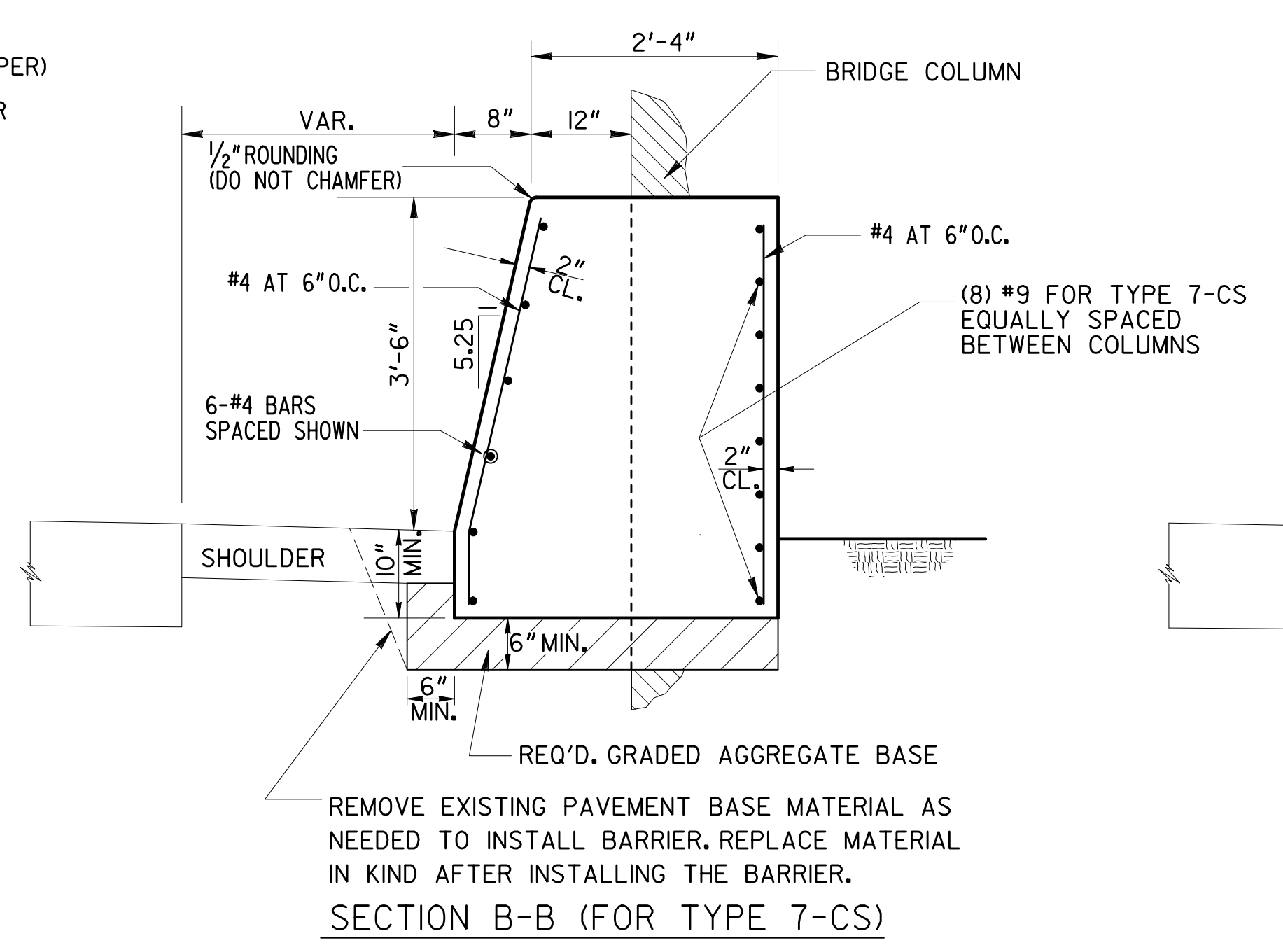
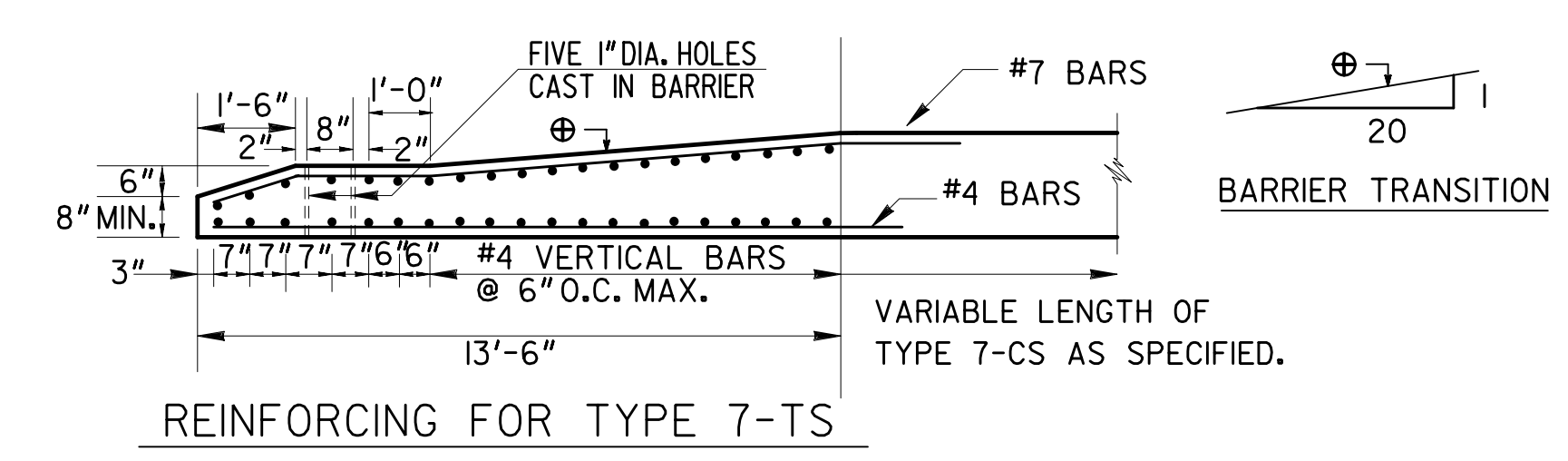
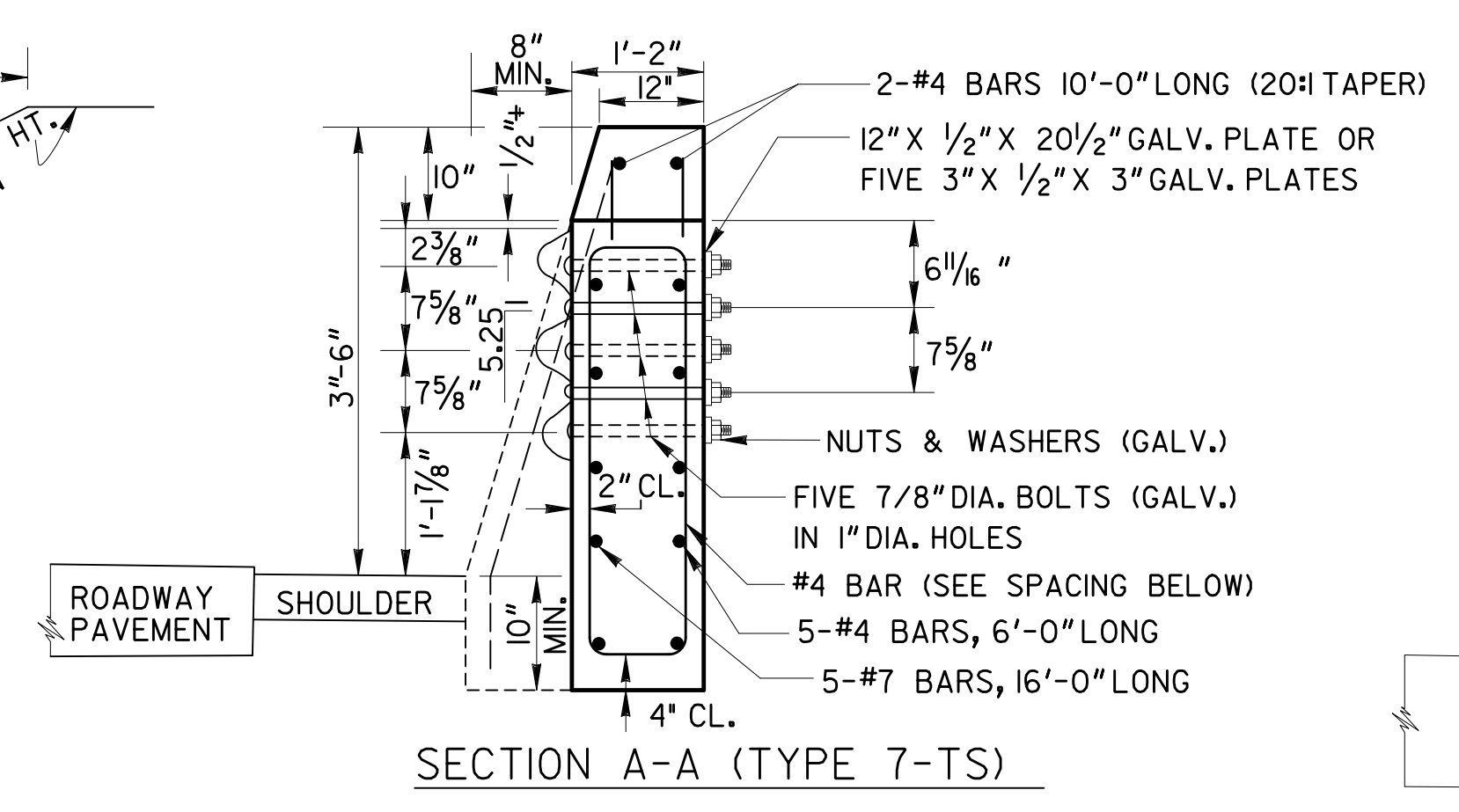
DATE	REVISIONS	BY

DESIGNED	TBS/AHH	CHECKED	JAH/BKA	REVIEWED	
DRAWN	AHH	DESIGN GROUP		APPROVED	

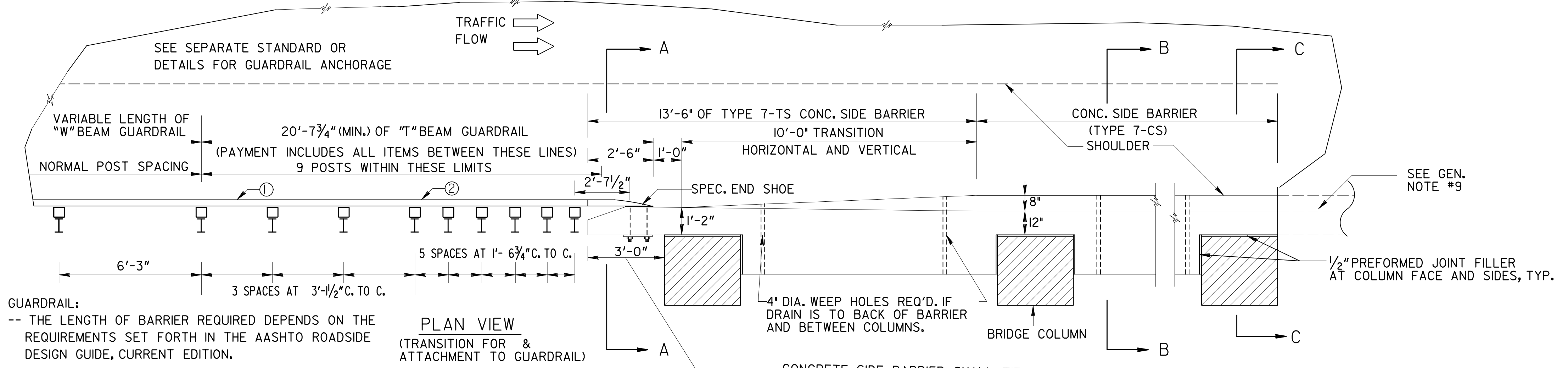
NO SCALE AUGUST 2022



GUARDRAIL ATTACHMENT DETAIL



- GENERAL NOTES:
- SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION, AND SUPPLEMENTS THERETO.
 - CONCRETE SHALL BE CLASS "AA" WITH A TYPE III FINISH TO ALL EXPOSED SURFACES. REINFORCING STEEL SHALL BE GRADE 60.
 - MAINTAIN 2" COVER ON ALL REINFORCING IN BARRIER TYPES 7-CS AND TYPE 7-TS.
 - TOP SURFACE OF CONCRETE SIDE BARRIER SHALL BE NO MORE THAN 1/8" FROM THE REQUIRED GRADE ELEVATION.
 - TYPE 7-WS SIDE BARRIERS OVER 20'-0" IN LENGTH SHALL HAVE CONTRACTION JOINTS SPACED AT A MAXIMUM OF 20'-0". CONTRACTION JOINTS IN TYPE 7-WS SHALL BE CUT 1/4" WIDE AND 2" DEEP WITHIN 24 HOURS OF CONCRETE. CONTRACTION JOINTS IN TYPE 7-CS SHALL BE CENTERED ON COLUMNS. REINFORCEMENT SHALL BE CONTINUOUS THROUGH THE CONTRACTION JOINT. SIDE BARRIERS OVER 260'-0" IN LENGTH SHALL HAVE EXPANSION JOINTS SPACE UNIFORMLY AT A MAXIMUM OF 300'-0" WITH 1" PREFORMED JOINT FILLER AT EACH EXPANSION JOINT.
 - TYPE 7-CS, 7-TS, AND 7-WS SIDE BARRIER SHALL BE PAID FOR PER LIN. FT. AS CONCRETE SIDE BARRIER, TYPE 7-CS, 7-TS, AND 7-WS. INCLUDE COST OF ALL INCIDENTALS AS SPECIFIED IN SECTION 621 OF THE STANDARD SPECIFICATIONS IN THE PRICE BID.
 - PAYMENT FOR TYPE 7-TS CONCRETE SIDE BARRIER INCLUDES THE TRANSITION SECTION, TAPER SECTION, AND FIVE 1-INCH DIAMETER HOLES, DRILLED FOR CONNECTING THE SPECIAL END SHOE. PAYMENT FOR GUARDRAIL INCLUDES THE SPECIAL END SHOE, ALL CONNECTING HARDWARE, ADDITIONAL POSTS AND DOUBLE "T" BEAM.
 - WHEN A TRANSITION FROM A TYPE 7-WS TO GUARDRAIL IS NECESSARY, 13'-6" OF TYPE 7-TS SIDE BARRIER, DETAILED FOR TRANSITION, SHOULD BE USED AT THE END OF THE TYPE 7-WS. SEE STANDARD 4949C.
 - TYPE 7-CS, 7-TS, AND 7-WS SIDE BARRIERS ARE DESIGNED IN ACCORDANCE WITH THE 2014 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
 - TYPE 7-TS AND ADDITIONAL GUARDRAIL POSTS NOT REQUIRED AT DOWNSTREAM END OF SIDE BARRIER WITH ONE-WAY TRAFFIC.
 - WIRE FABRIC REINFORCING OR ALTERNATE REBAR SIZE/SPACING MAY BE USED IF DETAILS ARE SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO USE.
 - PLACE OVERHEAD SIGN SUPPORTS ON THE BACK SIDE OF SIDE BARRIER. WHEN CONDITIONS CALL FOR PLACEMENT ON BARRIER TOP, THE SIGN SUPPORT FOOTING SHALL BE DESIGNED BY CONTRACTOR AND ACCEPTED BY THE ENGINEER, PRIOR TO CONSTRUCTION. SEE SPECIAL DETAIL 4945 FOR TYPE 26-S SIDE BARRIER.
 - USE GUARDRAIL RATHER THAN CONCRETE SIDE BARRIER, IF LATERAL DISTANCE FROM THE EDGE OF THE TRAVEL LANE IS MORE THAN 15'-0".

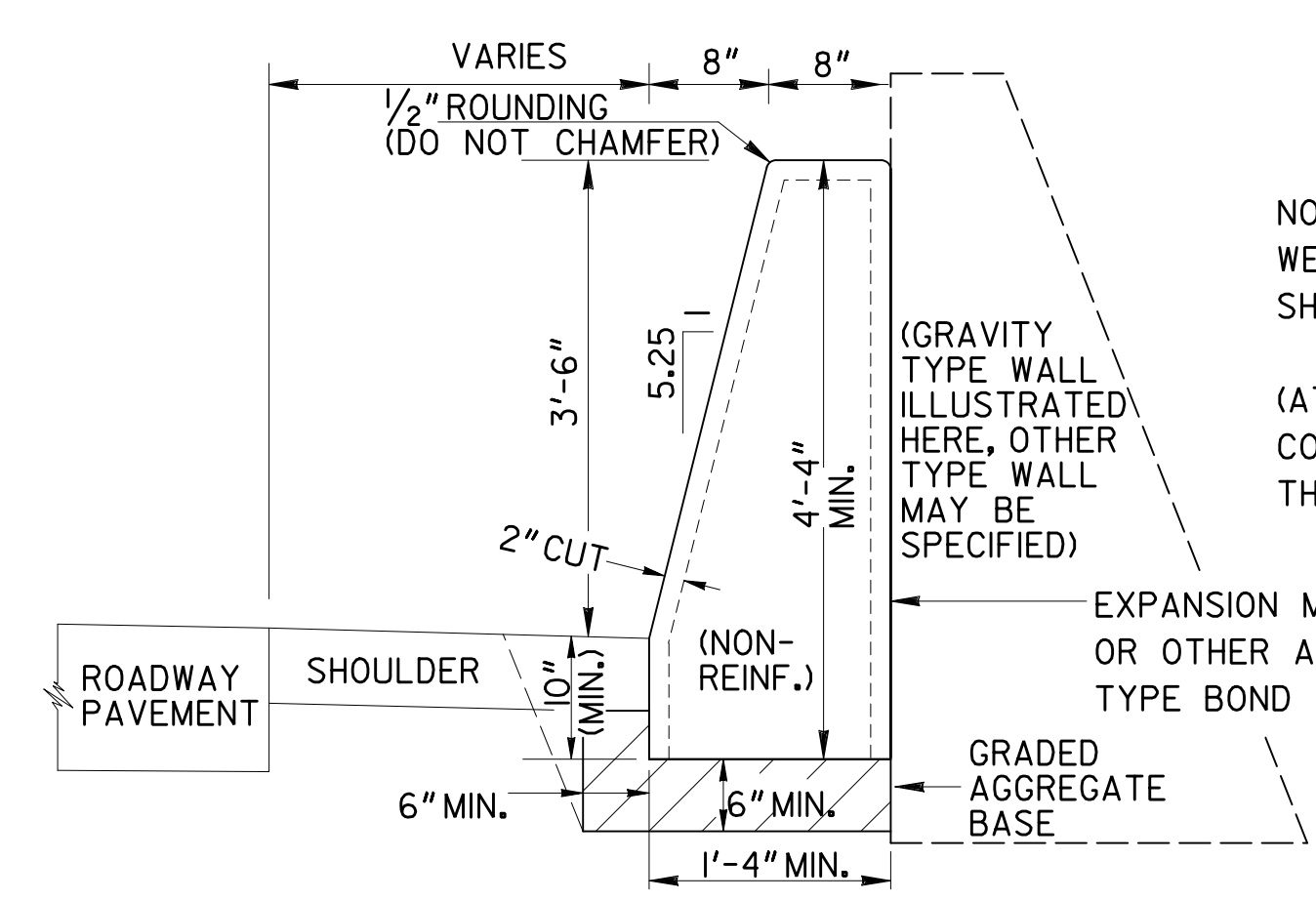
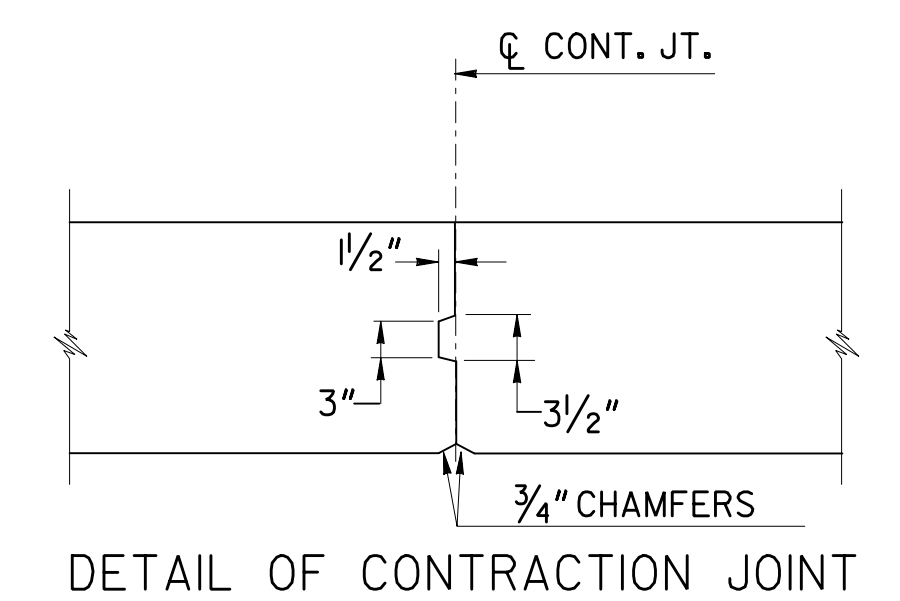
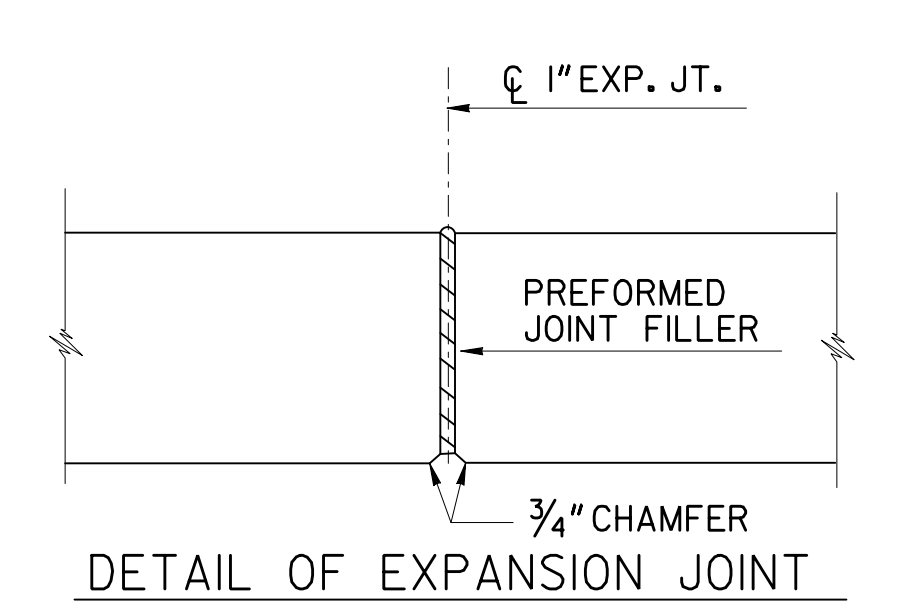


GUARDRAIL:
-- THE LENGTH OF BARRIER REQUIRED DEPENDS ON THE REQUIREMENTS SET FORTH IN THE AASHTO ROADSIDE DESIGN GUIDE, CURRENT EDITION.
-- POSTS AND OFFSET BLOCKS DEPICTED FOR GUARDRAIL ARE TYPICAL. NORMAL CONSTRUCTION TOLERANCES ARE ALLOWED FOR SPACINGS.

CONCRETE SIDE BARRIER SHALL TIE INTO ADJACENT CONCRETE SLOPE PAVING; SHOULDER PAVING; BACK SLOPE; DITCH; OR GUTTER, AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

BARRIER TYPE LOCATIONS	
TYPE	LOCATION
7-CS	AT BRIDGE COLUMNS
7-TS	TRANSITION TO 7-CS
7-WS	ALONG RETAINING WALL (TYPE AS SPECIFIED); BUT NOT ALONG SOUND BARRIER.

NO VOIDS ALLOWED BETWEEN BARRIER AND WALL, GROUT FILL ALL VOIDS.



NOTE:
WEEP HOLES FOR TYPE 7-WS BARRIER SHALL ALIGN WITH WEEP HOLES OF WALLS.
(AT NO ADDITIONAL COST TO THE DEPARTMENT, THE CONTRACTOR MAY USE AN UNDER DRAIN SYSTEM BEHIND THE WALL INSTEAD OF WEEP HOLES.)

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		SPECIAL DETAIL CONCRETE SIDE BARRIER TYPES 7-CS, 7-TS, AND 7-WS	
NO SCALE		DECEMBER 2017	
BY	DES. DDF DRW. DDF CHK. CEW REV. WMD/BAS	(SUBMITTED) STATE DESIGN POLICY ENGINEER (APPROVED) CHIEF ENGINEER	NUMBER 4949A