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HAWKINS FIELD AIRPORT

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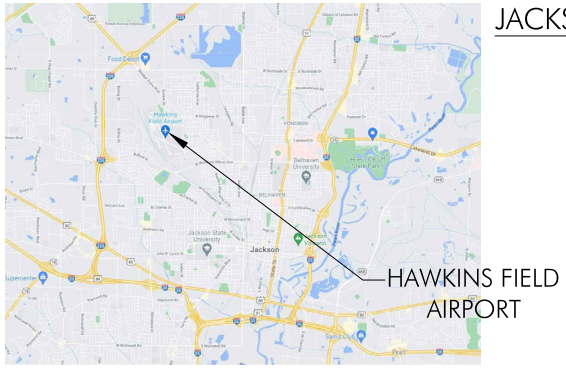
TAXIWAY B RELOCATION
AT
HAWKINS FIELD

JACKSON, MISSISSIPPI

AIP GRANT #3-28-0038-025-2021



VICINITY MAP

JACKSON MUNICIPAL AIRPORT AUTHORITY CHIEF EXECUTIVE OFFICER
JOHN MEANS

JACKSON MUNICIPAL AIRPORT AUTHORITY BOARD
ROBERT E. MARTIN
RICKEY D. JONES
LTC LUCIUS WRIGHT

72327
SEPTEMBER 30, 2022

BASE BID QUANTITIES

Pay Item	Description	Quanitity	Unit
C-105-5.1	Mobilization	1	LS
P-101-5.1	Concrete pavement removal	820	SY
P-101-5.2	Asphalt overlay concrete removal	5680	SY
P-150-4.1	Site Demolition, Complete	1	LS
P-152-5.1	Earthwork	1	LS
P-152-5.2	Undercut	200	CY
P-152-5.4	Granular backfill for Undercut	200	CY
P-155-8.1	Lime-Treated subgrade	2790	SY
P-401-8.1	3" P401	560	Ton
P-602-5.1	Emulsified Asphalt Prime Coat	900	Gal
P-209-5.1	8" P209	2790	SY
D-705-5.1	4" Perforated Underdrain	515	LF
D-705-5.2	4" Non-perforated underdrain outfal pipe	40	LF
D-705-5.4	Underdrain Clean out	7	EA
D-705-5.5	Underdrain endwall	1	EA
D-752-5.2	Headwall for 24" pipe	2	EA
D-701-5.1	24" CL V RCP	136	LF
D-754-5.1	2' Concrete Swale	1135	LF
C-102-5.1	Construction entrance	1	LS
C-102-5.2	Silt fence	400	LF
C-102-5.3	Inlet protection	1	EA
C-102-5.4	Rock filter ring	1	EA
C-102-5.5	Rock check dam	1	EA
C-102-5.6	12" sediment tube	635	LF
C-102-5.7	20" sediment tube	240	LF
P-602-5.1	Reflective Pavement Marking	4200	SF
P-620-5.2	Existing Paint Marking Removal	1	LS
L-108-5.1	No. 8 AWG, 5kV, L-824, Type C Cable, Installed in trench, ductbank or conduit	1	LS
L-110-5.1	Install 2" PVC Schedule 40 conduit in trench including excavatrion and backfill	1	LS
L-115-5.1	Install L-867D Electrical hand hole including concrete encasement, grounding and appurtenances	13	EA
L-115-5.2	Remove Existing L-867D Electrical Handhole	17	EA
L-125-5.1	RemoveExisting MIRL/MITL Threashold light and Transformer and save for Re-installation or deliver to airport. Demolisth existing edge light maintenance pad and base can	17	EA
L-125-5.2	Install MIRL/MITL/Threshold light, transformer, and base can in asphalt including sawcut and pavement repair	14	EA
L-125-5.5	Remove Existing Base Mounted sign L-858 and save for reinstalltion or deliver to airport, demolish concrete base and appurtenances	2	EA
L-125-5.6	Reinstall existing base-mounted sign L-858 to new base can and concrete pad	2	EA
T-905-5.1	4" Topsoil	18500	SY
T-904-5.1	Sod	18500	SY

ALTERNATE BID QUANTITIES

Pay Item	Description	Quanitity	Unit
P-101-5.1	Concrete pavement demo	12000	SY
P-150-4.1	Miscellaneous demolition	1	LS
P-152-5.1	Earthwork	1	LS
D-752-5.1	Flared end section for 15" pipe	1	EA
D-701-5.1	15" CL V RCP	63	LF
D-754-5.1	2' Concrete Swale	890	LF
C-102-5.2	Silt fence	1780	LF
C-102-5.3	Inlet protection	7	EA
C-102-5.4	Rock filter ring	1	EA
T-905-5.1	4" Topsoil	15000	SY
T-904-5.1	Sod	15000	SY

DRAWING INDEX

SHEET NUMBER	SHEET TITLE
	COVER
G1.1	BID SCHEDULE AND DRAWING INDEX
G2.1	ACCESS PLAN
G3.1	PHASING PLAN
G4.0	CONSTRUCTION SAFETY NOTES
G4.1	CONSTRUCTION SAFETY PLAN PHASE 1
G4.2	CONSTRUCTION SAFETY PLAN PHASE 2
C0.1	EXISTING CONDITIONS SHEET 1 OF 2
C0.2	EXISTING CONDITIONS SHEET 2 OF 2
C0.3	DEMOLITION PLAN SHEET 1 OF 2
C0.4	DEMOLITION PLAN SHEET 2 OF 2
C1.1	SITE PLAN SHEET 1 OF 2
C1.2	SITE PLAN SHEET 2 OF 2
C2.1	GRADING AND DRAINAGE PLAN SHEET 1 OF 2
C2.2	GRADING AND DRAINAGE PLAN SHEET 2 OF 2
C2.3	UNDERDRAIN PLAN
C3.1	EROSION CONTROL PLAN STAGE 1
C3.2	EROSION CONTROL PLAN STAGE 2
C3.3	EROSION CONTROL PLAN STAGE 3
C3.4	EROSION CONTROL NOTES AND DETAILS
C3.5	EROSION CONTROL DETAILS
C4.1	DETAILS
C4.2	DETAILS
C4.3	DETAILS
C5.1	MARKING PLAN
E1	KEY PLAN
E2	ELECTRICAL LEGEND AND NOTES
E3	TAXIWAY BRAVO, RUNWAY 16-34 DEMOLITION PLAN
E4	TAXIWAY BRAVO, RUNWAY 13-34 NEW WORK
E5	LIGHTING FIXTURE SCHEDULE
E6	ELECTRICAL DETAILS, TYPICAL BASES
E7	ELECTRICAL DETAILS, TAXIWAY EDGE LIGHT

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NORTH

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)
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HAWKINS FIELD AIRPORT
AIP GRANT#3-28-0038-025-2021

558 W. RAMP ST.
JACKSON, MS 39209

JACKSON MUNICIPAL AIRPORT AUTHORITY
100 INTERNATIONAL DRIVE STE 300
JACKSON, MS 39298

No.	Revision	Date

BID SCHEDULE & DRAWING INDEX

JOB NO: 72327
DATE: 09/30/2022
DRAWN: TP
CHECKED: CB
CAD FILE:

CHAWANPON BUNNIRAP
REGISTERED PROFESSIONAL ENGINEER
PE-21164
STATE OF MISSISSIPPI

G1.1

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ACCESS PLAN

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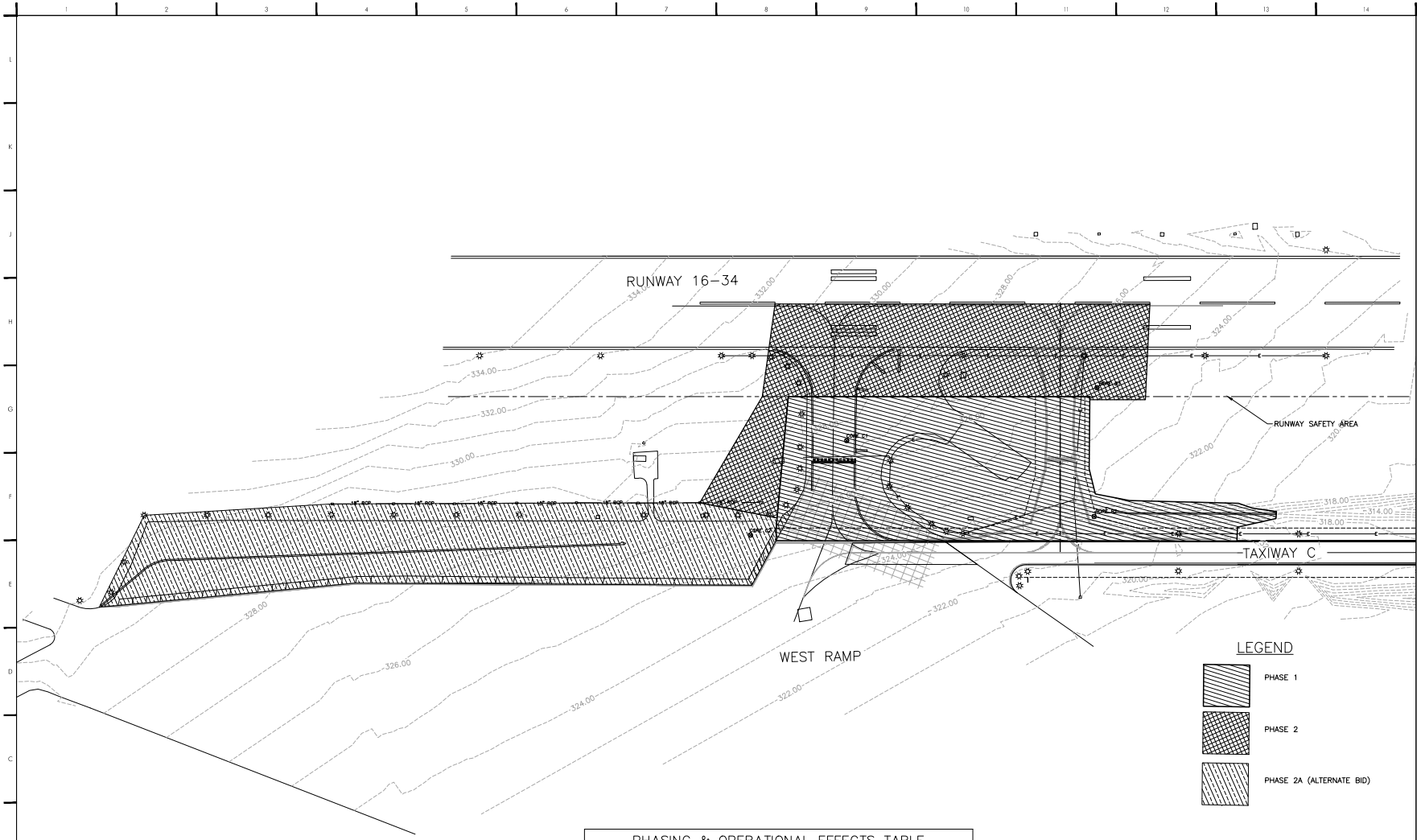

PHASING & OPERATIONAL EFFECTS TABLE		
	PHASE 1	PHASE 2/2A
DURATION	83 DAYS	14 DAYS
EFFECTS OF CONSTRUCTION OPERATIONS	TAXIWAY B CONNECTOR IS CLOSED. TAXIWAY C IS CLOSED BETWEEN WEST RAMP AND RUNWAY 11–29	RUNWAY 16–34 IS CLOSED. TAXIWAY A AND TAXIWAY C SOUTH OF RUNWAY 11–29 ARE CLOSED

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PHASING PLAN

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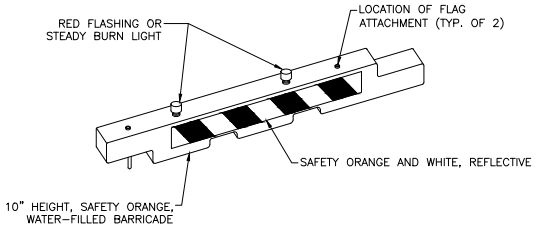
CHAWANPON BUNNIRAN
REGISTERED PROFESSIONAL ENGINEER
PE-21164
STATE OF MISSISSIPPI

G3.1

CONSTRUCTION NOTES

1. ALL OF THE CONTRACTOR'S MOVEMENTS AND ACTIVITIES WITHIN THE AIRPORT PROPERTY SHALL BE CLOSELY COORDINATED WITH THE PROJECT MANAGER AND SHALL BE IN COMPLIANCE WITH THE PROVISIONS OF THE CONTRACT DOCUMENTS AND FAA ADVISORY CIRCULAR 150/5370-2, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION". NO WORK WILL BE ALLOWED WITHIN TAXIWAY AND RUNWAY SAFETY AREAS, UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE ALLOWED TO CROSS ANY ACTIVE RUNWAY OR TAXIWAY OR AIRCRAFT MOVEMENT AREA OR OTHERWISE BE ALLOWED TO OPERATE WITHIN RUNWAY OR TAXIWAY SAFETY AREAS UNLESS THE PROJECT MANAGER DETERMINES THAT THE WORK REQUIRES THE MOVEMENT. THIS WORK SHALL BE APPROVED BY THE PROJECT MANAGER AND A NOTAM ISSUED.
2. REFERENCE THE CONSTRUCTION SAFETY AND PHASING PLAN (CSPP) IN THE SPECIFICATIONS FOR ADDITIONAL CONSTRUCTION SAFETY REQUIREMENTS.
3. THE CONTRACTOR SHALL HAVE ACCESS TO THE AIRPORT ONLY AT THE LOCATIONS DESIGNATED ON THE PLANS. ALL OTHER ACCESS SHALL BE BY SPECIAL REQUEST AND SUBJECT TO APPROVAL BY THE OWNER. NO CONTRACTOR PERSONNEL OR EQUIPMENT WILL BE PERMITTED TO CROSS ANY ACTIVE TAXIWAY OR RUNWAY WITHOUT PRIOR APPROVAL BY THE OWNER.
4. RUNWAY, TAXIWAYS, APRON PAVEMENTS, NAVAIDS AND UNDERGROUND FACILITIES (TO REMAIN) MUST BE PROTECTED FROM DAMAGE CAUSED BY THE CONTRACTOR'S EQUIPMENT. ANY DAMAGE TO PAVEMENTS OR FACILITIES CAUSED BY THE CONTRACTOR'S PERSONNEL OR EQUIPMENT SHALL BE REPAIRED, IN A MANNER APPROVED BY THE PROJECT MANAGER, BY THE CONTRACTOR AT NO COST TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND IDENTIFICATION OF ALL EXISTING UTILITIES AND UNDERGROUND PIPELINES IN THE CONSTRUCTION AREA. ANY DAMAGES TO EXISTING UTILITIES OR UNDERGROUND PIPELINES ON OR OFF AIRPORT PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL REPAIR WORK SHALL MEET THE APPROVAL OF THE OWNER OF THE DAMAGED UTILITY. NO REIMBURSEMENT WILL BE ALLOWED FOR UTILITY/PIPE REPAIR OR REPLACEMENT.
5. AIRCRAFT OPERATIONS SHALL HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL AT ALL TIMES. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS/HER PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR AND SUB-CONTRACTORS SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
6. CONTRACTOR RADIOS ARE REQUIRED TO MONITOR AIR TRAFFIC RADIO COMMUNICATIONS AND BE ABLE TO COMMUNICATE WITH FAA TOWER AT ALL TIMES. DURING CONSTRUCTION ACTIVITIES ON THE AIRFIELD.
7. IN ORDER FOR THE CONTRACTOR TO OPERATE WITHIN AIRPORT PROPERTY, APPROPRIATE NOTICES TO AIRMEN (NOTAMS) MUST BE ISSUED BY THE OWNER THROUGH THE FAA FLIGHT SERVICE STATION. THESE NOTICES PROVIDE INFORMATION ON CLOSED, LIMITED, OR HAZARDOUS CONDITIONS TO AIRMEN AND USERS OF THE AIRPORT. A 48-HOUR NOTICE IS REQUIRED FOR ISSUANCE OF THE PROPER NOTAM. ALL CONSTRUCTION OPERATIONS MUST BE CLOSELY COORDINATED WITH THE PROJECT MANAGER FOR NOTAM ISSUANCE.
8. PRIOR TO OPENING FOR USE, THE CONTRACTOR WILL HAVE READY FOR OPERATIONS AND ALLOW ADEQUATE TIME FOR INSPECTION BY AIRPORT OPERATIONS ANY PAVEMENT OR APRON THAT HAS BEEN CLOSED FOR WORK, OR THAT HAS BEEN USED FOR A CROSSING POINT OR HAUL ROUTE BY THE CONTRACTOR. NO BARRICADES SHALL BE REMOVED UNTIL THE INSPECTION BY AIRPORT OPERATIONS IS COMPLETE.
9. CONTRACTOR SHALL KEEP CONSTRUCTION EQUIPMENT BELOW PART 77 SURFACES AT ALL TIMES. IF THE PROJECT REQUIRES THE CONTRACTOR TO PENETRATE ANY PART 77 SURFACE WITH CONSTRUCTION EQUIPMENT DURING CONSTRUCTION THE CONTRACTOR MUST NOTIFY THE PROJECT MANAGER AND/OR THE OWNER AND A NOTAM MUST BE ISSUED BEFORE ANY PENETRATION OCCURS.
10. NO WORK IS PERMITTED WITHIN THE GLIDE SLOPE RESTRICTED AREA WHILE THE RUNWAY IS OPERATIONAL.

BARRICADE NOTES:
1. CONTRACTOR SHALL FURNISH LOW-LEVEL, WATER FILLED, TYPE BARRICADES, AS DETAILED BELOW.
2. BARRICADES SHALL BE LOCATED AT MAX. SPACING OF 15' CENTER TO CENTER WITH A BARRICADE ON THE CENTERLINE OF THE TAXIWAY OR RUNWAY, WHERE APPLICABLE.
3. TWO (2) ORANGE CONSTRUCTION FLAGS TO BE MOUNTED ON EACH BARRICADE.
4. CONTRACTOR TO PROVIDE ALL FLAGS AS NEEDED, TO MAINTAIN OPERATION DURING PROJECT.



1 / G4.0 BARRICADE DETAIL
NTS

BARRICADE NOTES

1. BARRICADES, PER DETAIL 1, SHALL BE PLACED AS SHOWN ON THE CONSTRUCTION SAFETY PLAN, SHEETS G4.1 AND G4.2 TO DELINEATE THE CONTRACTORS WORK AREAS.
2. ALL BARRICADES SHALL BE CHECKED VISUALLY FOR SIGNS OF WEAR AND TEAR ON A WEEKLY BASIS AND SHALL BE MAINTAINED AND/OR REPLACED WHEN DEEMED APPROPRIATE BY THE PROGRAM MANAGER. THE CONDITION OF LIGHTING UNITS SHALL BE CHECKED DAILY AND ALL LIGHT FIXTURES SHALL BE VERIFIED OPERATING BY THE CONTRACTOR BEFORE THE CONTRACTOR CEASES OPERATION EACH DAY. THE AREAS AROUND ALL BARRICADES SHALL BE CLEANED AT LEAST ONCE EACH WEEK AND THE CONTRACTOR SHALL SWEEP UP ACCUMULATED DEBRIS AND REMOVE IT FROM THE SITE. ALL ACTIVITIES CONDUCTED ADJACENT TO ACTIVE RUNWAYS OR TAXIWAYS SHALL BE COORDINATED WITH THE PROGRAM MANAGER.
3. BARRICADES ALONG ACTIVE APRON, RUNWAY OR TAXIWAY PAVEMENT SHALL BE PLACED APPROXIMATELY 10 FEET FROM THE EDGE OF THE FULL STRENGTH PAVEMENT, WHERE POSSIBLE OR AT THE CONSTRUCTION RUNWAY OR TAXIWAY SAFETY AREA LIMIT.
4. ALTERNATE FORMS OF BARRICADES MAY BE PROPOSED BY THE CONTRACTOR WHICH MEET THESE FUNCTIONAL REQUIREMENTS AND FAA STANDARDS. APPROVALS OF ANY SUCH SUBSTITUTION (IF GRANTED) SHALL BE BY AIRPORT OPERATIONS AND THE PROJECT MANAGER.
5. THE FINAL LOCATION FOR THE BARRICADES SHALL BE ESTABLISHED IN THE FIELD WITH CONCURRENCE FROM AIRPORT OPERATIONS AND THE PROJECT MANAGER.
6. BARRICADES SHALL BE PAID FOR UNDER ITEM S-100-3.1. PLACEMENT, MAINTENANCE AND SUBSEQUENT RELOCATION AND REMOVAL OF THE BARRICADES SHALL BE INCIDENTAL TO THE ITEM.
7. THE CONTRACTOR SHALL HAVE REPLACEMENT LIGHTS ON SITE AND SHALL REPLACE LIGHTS WITHIN ONE HOUR OF NOTIFICATION BY THE PROJECT MANAGER OR AIRPORT PERSONNEL. CONTRACTOR SHALL PROVIDE THE NAME AND TELEPHONE NUMBER FOR AN ON-CALL REPRESENTATIVE 24 HOURS PER DAY, SEVEN DAYS PER WEEK TO REPLACE INOPERATIVE LIGHTS. THE REPRESENTATIVE SHALL RESPOND TO THE SITE WITHIN ONE HOUR OF BEING NOTIFIED.

REOPENING OF A CLOSED SURFACE

1. PRIOR TO THE COMPLETION OF ANY PHASE, ALL PAVEMENT SURFACES TO BE REOPENED AT THE COMPLETION OF THE PHASE SHALL BE SWEPT AND VACUUMED CLEAN. ALL WORK SHALL BE COMPLETE AND ACCEPTED BY THE PROJECT MANAGER AND OPERATIONS PRIOR TO OPENING FOR AIRCRAFT USE.
2. PRIOR TO THE REMOVAL OF ANY BARRICADES OR LIGHTED CONES, THE CONTRACTOR SHALL REQUEST, THROUGH THE PROJECT MANAGER, AN INSPECTION BY AIRPORT OPERATIONS. A FOUR HOUR NOTICE MUST BE GIVEN FOR THE INSPECTION. NO TAXIWAY MAY BE REOPENED UNTIL AIRPORT OPERATIONS HAS PERFORMED THE INSPECTION AND APPROVED THE REOPENING. SURFACES BELOW AND AROUND THE BARRICADES AND CONES MUST BE CLEANED PRIOR TO REQUESTING THE INSPECTION.

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100 0 50 100 100
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HAWKINS FIELD AIRPORT
AIP GRANT#3-28-0038-025-2021

558 W. RAMP ST.
JACKSON, MS 39209

JACKSON MUNICIPAL AIRPORT AUTHORITY
100 INTERNATIONAL DRIVE STE 300
JACKSON, MS 39298

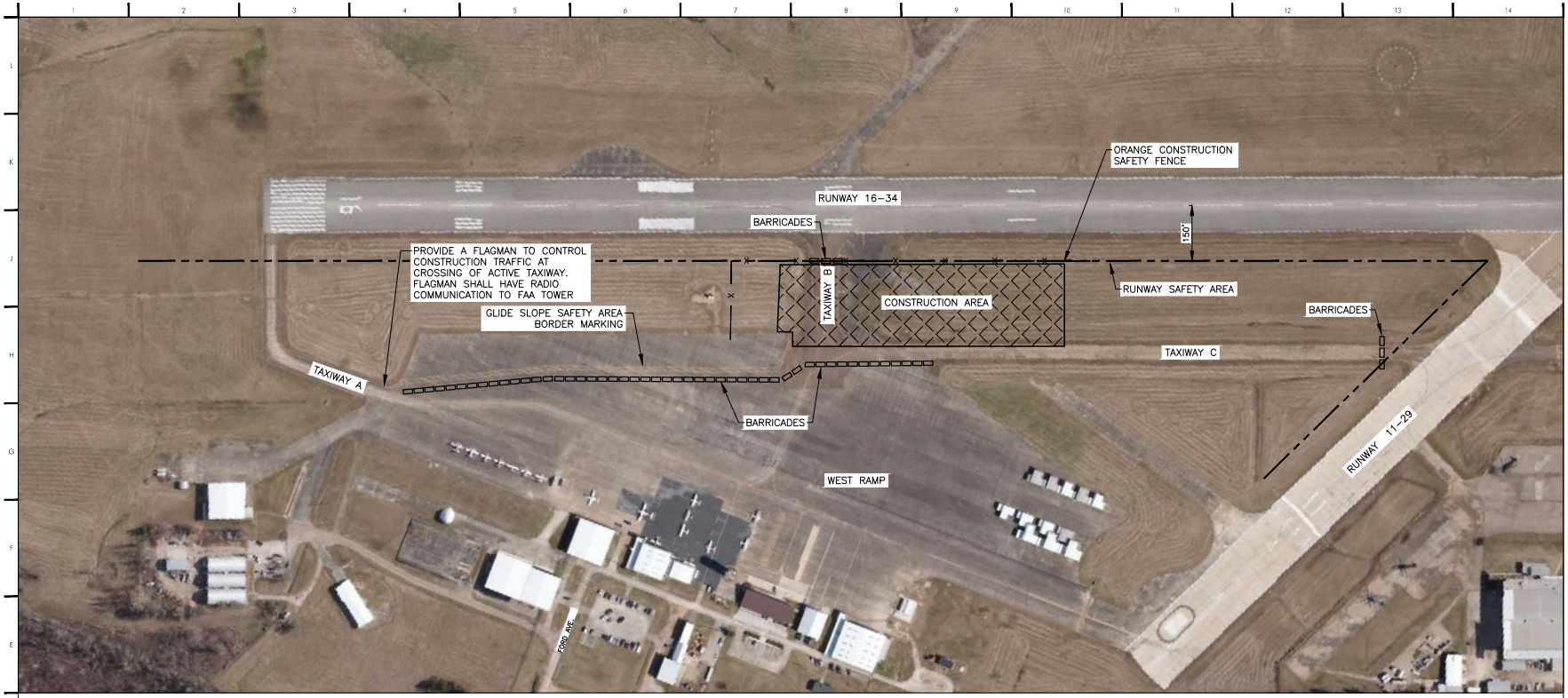
No.	Revision	Date

CONSTRUCTION SAFETY NOTES

JOB NO: 72327
DATE: 09/30/2022
DRAWN: TP
CHECKED: CB
CAD FILE:

CHAWANPON BUNNIRAN
REGISTERED PROFESSIONAL ENGINEER
PE-21164
STATE OF MISSISSIPPI

G4.0



NOTES:
1. TAXIWAY B AND TAXIWAY C, NORTH, WILL BE CLOSED.
2. RUNWAY 16–34, TAXIWAY A, RUNWAY 11–29, TAXIWAY C SOUTH, AND WEST RAMP WILL REMAIN OPEN TO AIRCRAFT OPERATIONS.
3. RUNWAY AND TAXIWAY LIGHTS FOR AREAS OPEN TO AIRCRAFT OPERATIONS MUST REMAIN ENERGIZED AT ALL TIMES.
4. CONTRACTOR HAUL ROUTE SHALL NOT PENETRATE GLIDE SLOPE SAFETY AREA.
5. SEE SHEET G4.0 FOR GENERAL SAFETY AND BARRICADE NOTES.
6. SEE SHEET G2.1 FOR CONTRACTOR ACCESS ROUTE.

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CONSTRUCTION SAFETY PLAN
PHASE 1

JOB NO: 72327
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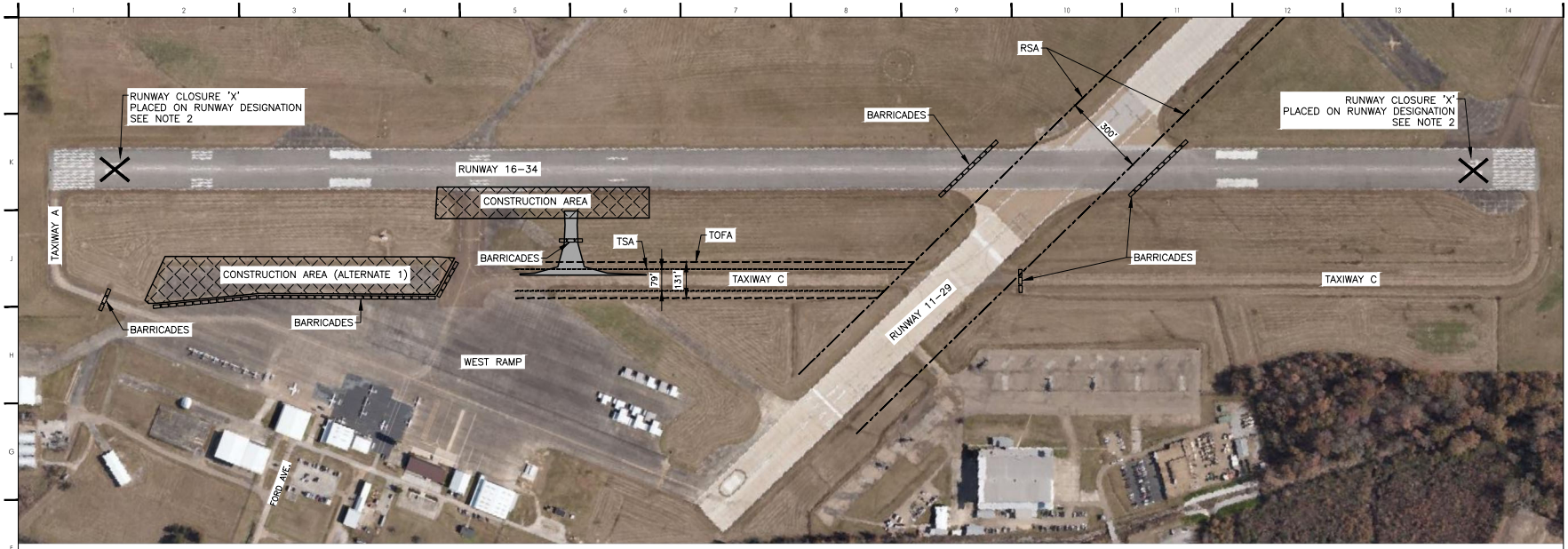
PE-21164
STATE OF MISSISSIPPI

G4.1



NOTES:
1. RUNWAY 16–34, TAXIWAY A, AND TAXIWAY C, SOUTH, WILL BE CLOSED.
2. LIGHTED RUNWAY CLOSURE X's WILL BE FURNISHED BY THE OWNER. CONTRACTOR SHALL TRANSPORT LIGHTED X's FROM A LOCATION ON AIRPORT PROPERTY TO EACH END OF THE RUNWAY, MAINTAIN OPERATION FOR THE DURATION OF THE CLOSURE, AND TRANSPORT BACK TO STORAGE UPON COMPLETION. CONTRACTOR SHALL ASSURE X's REMAIN LIGHTED WHEN RUNWAY IS CLOSED DURING NIGHTTIME HOURS.
3. RUNWAY 11–29, TAXIWAY C NORTH, AND WEST RAMP WILL REMAIN OPEN TO AIRCRAFT OPERATIONS.
4. RUNWAY AND TAXIWAY LIGHTS FOR AREAS OPEN TO AIRCRAFT OPERATIONS MUST REMAIN ENERGIZED AT ALL TIMES.
5. PHASE 2A SHALL BE COMPLETED DURING THE RUNWAY CLOSURE WHEN THERE IS NO IMPACT TO GLIDE SLOPE SAFETY AREA.
6. SEE SHEET G4.0 FOR GENERAL SAFETY AND BARRICADE NOTES.
7. SEE SHEET G2.1 FOR CONTRACTOR ACCESS ROUTE.

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CONSTRUCTION SAFETY PLAN
PHASE 2

JOB NO: 72327
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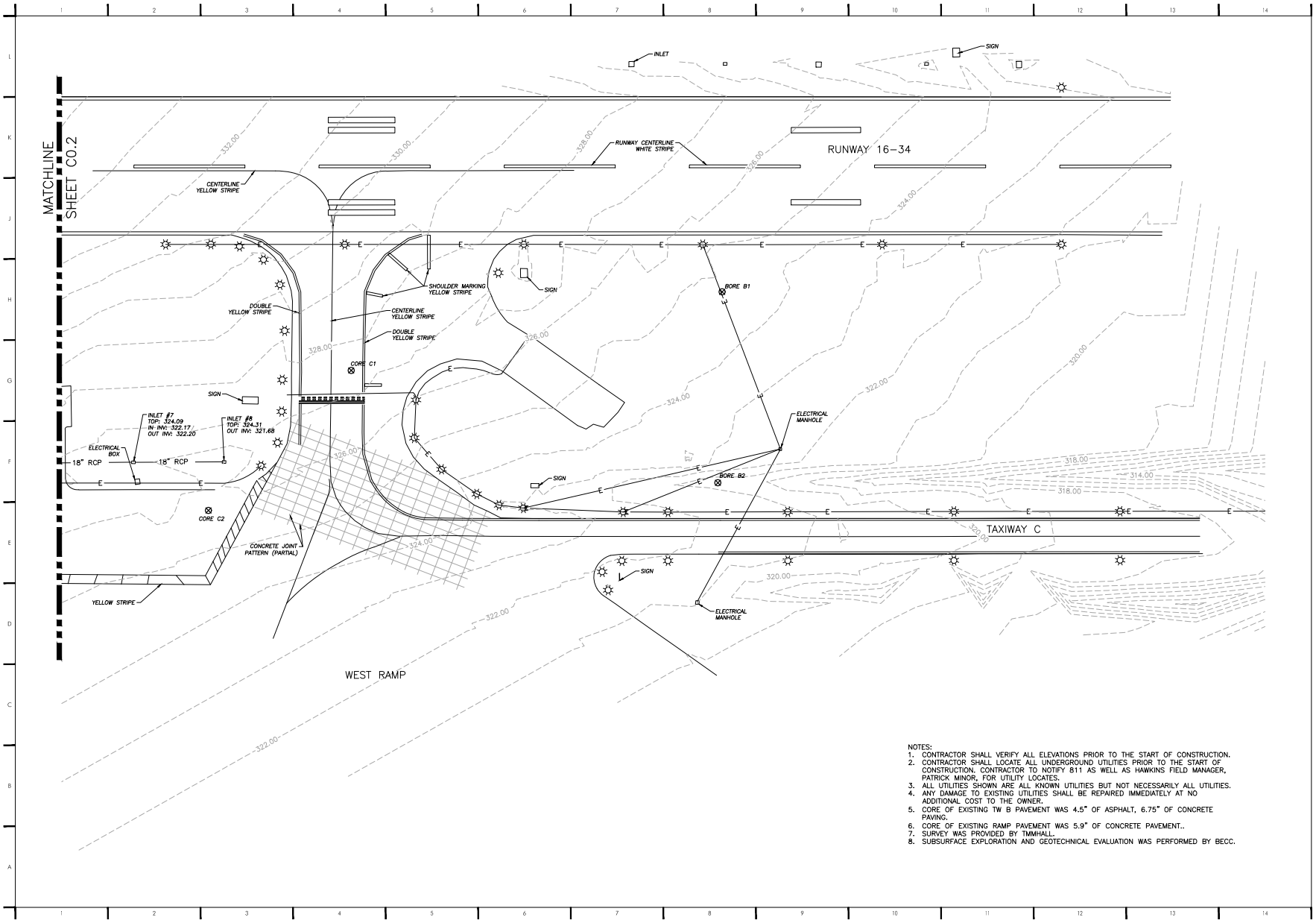
G4.2



NOTES:
1. CONTRACTOR SHALL VERIFY ALL ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR TO NOTIFY 811 AS WELL AS HAWKINS FIELD MANAGER, PATRICK MINOR, FOR UTILITY LOCATES.
3. ALL UTILITIES SHOWN ARE ALL KNOWN UTILITIES BUT NOT NECESSARILY ALL UTILITIES.
4. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.
5. CORE OF EXISTING TW B PAVEMENT WAS 4.5" OF ASPHALT, 6.75" OF CONCRETE PAVING.
6. CORE OF EXISTING RAMP PAVEMENT WAS 5.9" OF CONCRETE PAVEMENT..
7. SURVEY WAS PROVIDED BY TMMHALL.
8. SUBSURFACE EXPLORATION AND GEOTECHNICAL EVALUATION WAS PERFORMED BY BECC.

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EXISTING CONDITIONS
SHEET 1 OF 2

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C0.1

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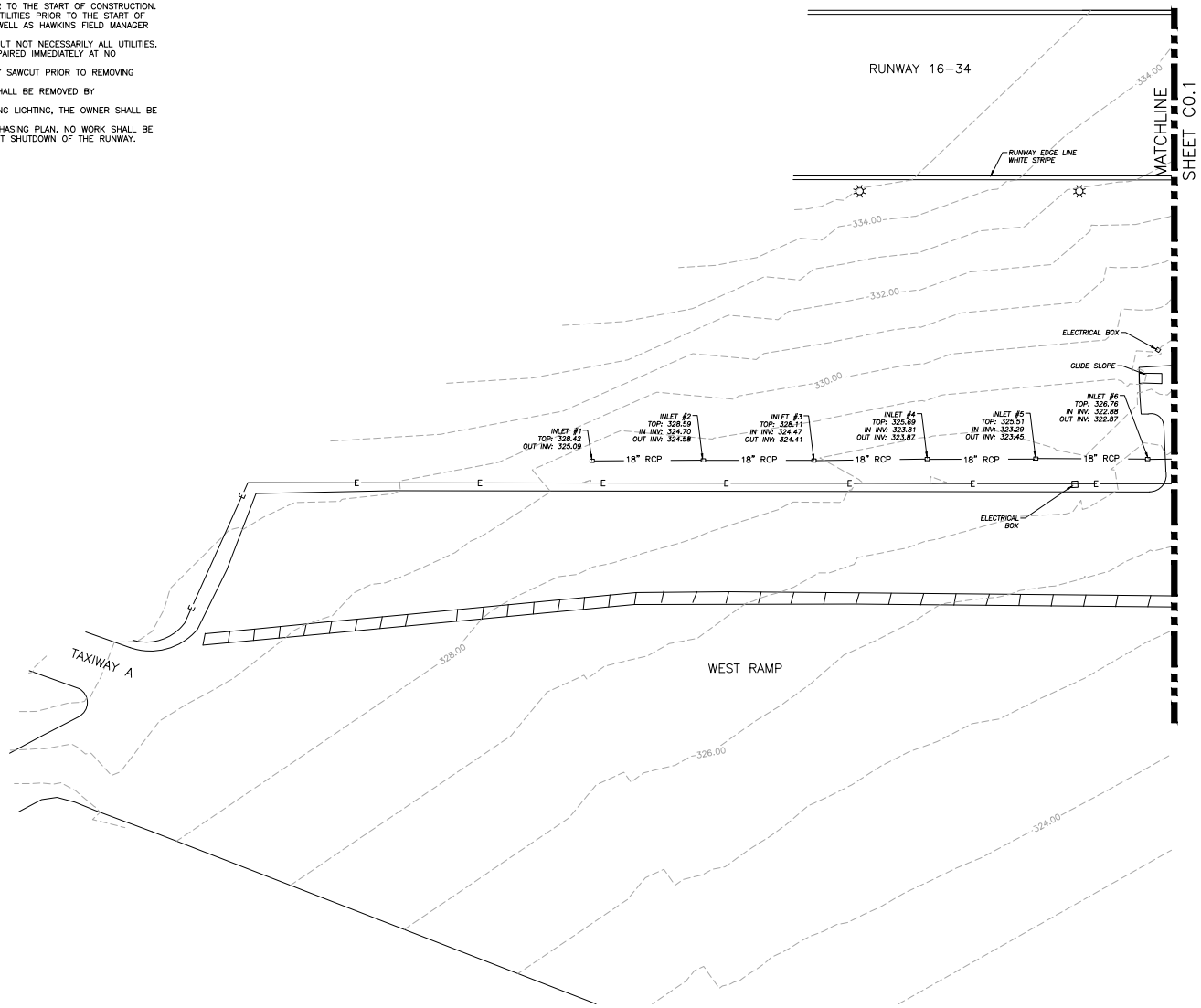
2. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR TO NOTIFY 811 AS WELL AS HAWKINS FIELD MANAGER PATRICK MINOR FOR UTILITY LOCATES.
3. ALL UTILITIES SHOWN ARE ALL KNOWN UTILITIES BUT NOT NECESSARILY ALL UTILITIES.
4. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.
5. ALL PAVEMENT TO BE REMOVED SHALL BE NEATLY SAWCUT PRIOR TO REMOVING PAVEMENT.
6. ALL MARKING REMOVAL ON EXISTING PAVEMENT SHALL BE REMOVED BY HYDROBLASTING.
7. PRIOR TO THE REMOVAL AND REWIRING OF EXISTING LIGHTING, THE OWNER SHALL BE NOTIFIED.
8. CONTRACTOR TO PAY CLOSE ATTENTION TO THE PHASING PLAN. NO WORK SHALL BE PERFORMED IN THE RUNWAY SAFETY AREA WITHOUT SHUTDOWN OF THE RUNWAY.



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HAWKINS FIELD AIRPORT
AIP GRANT#3-28-0038-025-2021

558 W. RAMP ST.
JACKSON, MS 39209

JACKSON MUNICIPAL AIRPORT AUTHORITY
100 INTERNATIONAL DRIVE STE 300
JACKSON, MS 39298

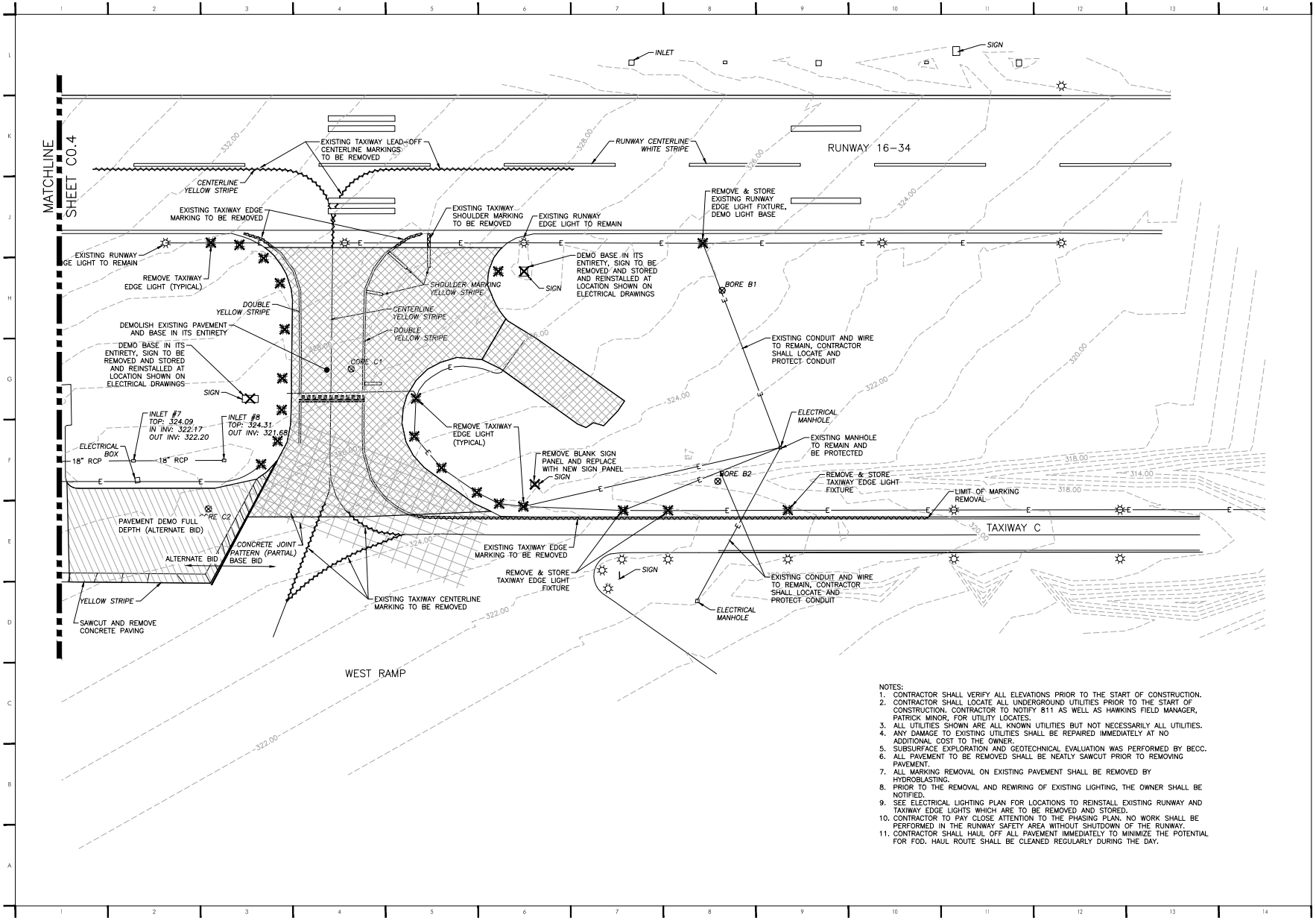
No.	Revision	Date

EXISTING CONDITIONS
SHEET 2 OF 2

JOB NO: 72327
DATE: 09/30/2022
DRAWN: TP
CHECKED: CB
CAD FILE:

CHAWANPON BUNNIRAN
REGISTERED PROFESSIONAL ENGINEER
PE-21164
STATE OF MISSISSIPPI

C0.2



NOTES:

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2. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR TO NOTIFY 811 AS WELL AS HAWKINS FIELD MANAGER, PATRICK MINOR, FOR UTILITY LOCATES.
3. ALL UTILITIES SHOWN ARE ALL KNOWN UTILITIES BUT NOT NECESSARILY ALL UTILITIES.
4. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.
5. SUBSURFACE EXPLORATION AND GEOTECHNICAL EVALUATION WAS PERFORMED BY BECC.
6. ALL PAVEMENT TO BE REMOVED SHALL BE NEATLY SAWCUT PRIOR TO REMOVING PAVEMENT.
7. ALL MARKING REMOVAL ON EXISTING PAVEMENT SHALL BE REMOVED BY HYDROBLASTING.
8. PRIOR TO THE REMOVAL AND REWIRING OF EXISTING LIGHTING, THE OWNER SHALL BE NOTIFIED.
9. SEE ELECTRICAL LIGHTING PLAN FOR LOCATIONS TO REINSTALL EXISTING RUNWAY AND TAXIWAY EDGE LIGHTS WHICH ARE TO BE REMOVED AND STORED.
10. CONTRACTOR TO PAY CLOSE ATTENTION TO THE PHASING PLAN. NO WORK SHALL BE PERFORMED IN THE RUNWAY SAFETY AREA WITHOUT SHUTDOWN OF THE RUNWAY.
11. CONTRACTOR SHALL HAUL OFF ALL PAVEMENT IMMEDIATELY TO MINIMIZE THE POTENTIAL FOR FOD. HAUL ROUTE SHALL BE CLEANED REGULARLY DURING THE DAY.

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No.	Revision	Date

DEMOLITION PLAN
SHEET 1 OF 2

JOB NO: 72327
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C0.3

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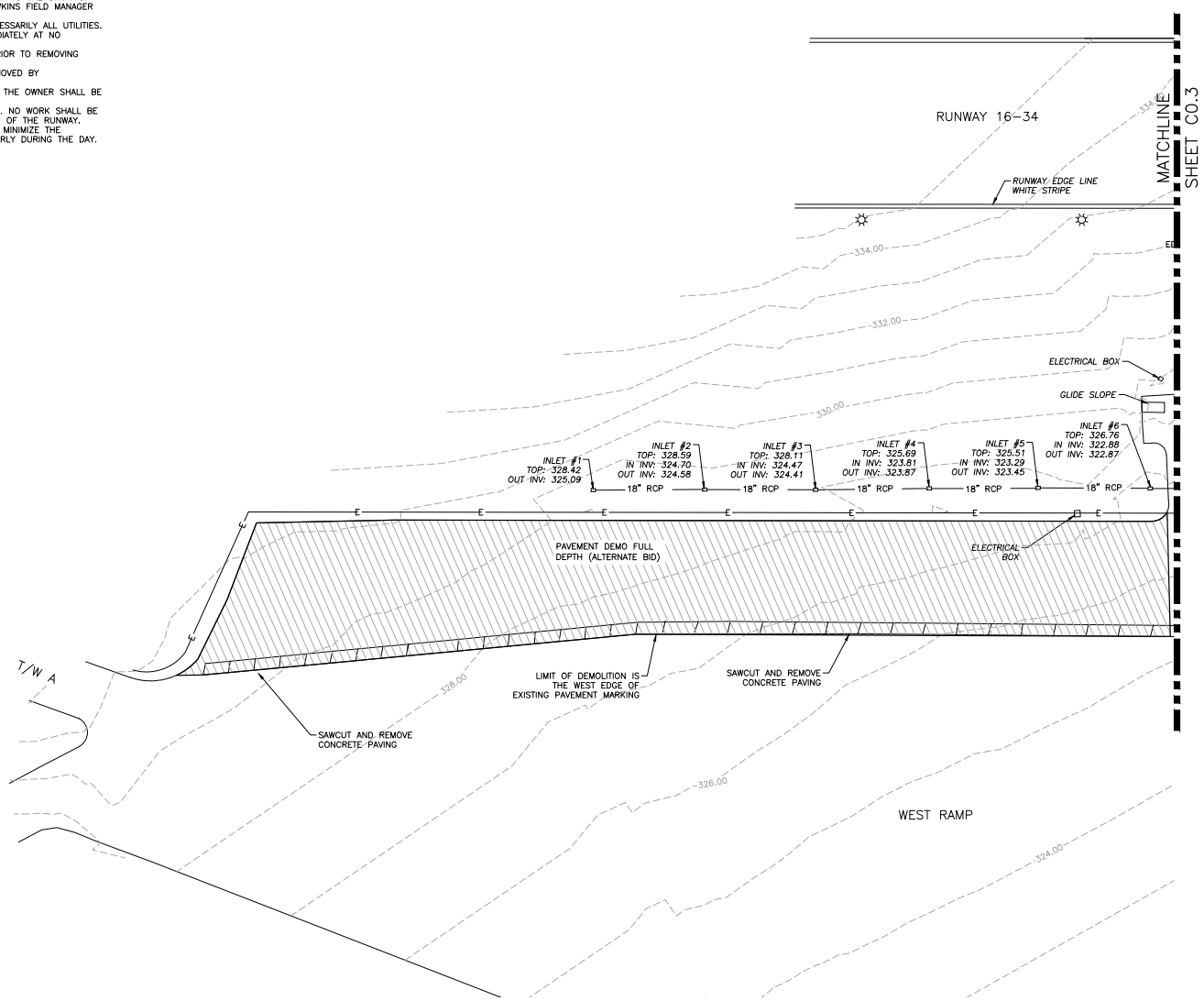
9. CONTRACTOR SHALL HAUL OFF ALL PAVEMENT IMMEDIATELY TO MINIMIZE THE POTENTIAL FOR FOD. HAUL ROUTE SHALL BE CLEANED REGULARLY DURING THE DAY.



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DEMOLITION PLAN
SHEET 2 OF 2

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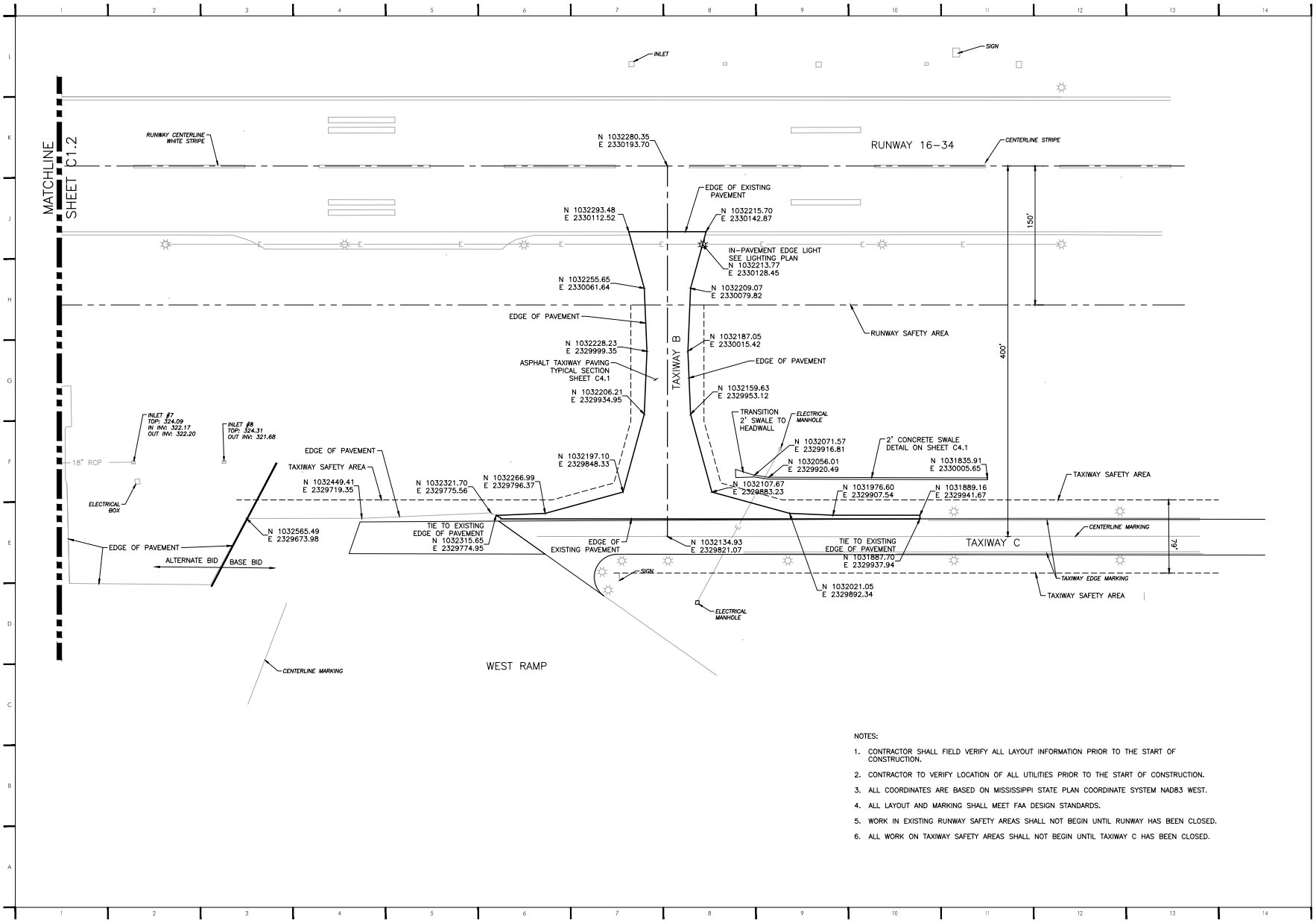

NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL LAYOUT INFORMATION PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.
3. ALL COORDINATES ARE BASED ON MISSISSIPPI STATE PLAN COORDINATE SYSTEM NAD83 WEST.
4. ALL LAYOUT AND MARKING SHALL MEET FAA DESIGN STANDARDS.
5. WORK IN EXISTING RUNWAY SAFETY AREAS SHALL NOT BEGIN UNTIL RUNWAY HAS BEEN CLOSED.
6. ALL WORK ON TAXIWAY SAFETY AREAS SHALL NOT BEGIN UNTIL TAXIWAY C HAS BEEN CLOSED.

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SITE PLAN
SHEET 1 OF 2

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PE-21164
STATE OF MISSISSIPPI

C1.1

NOTES:

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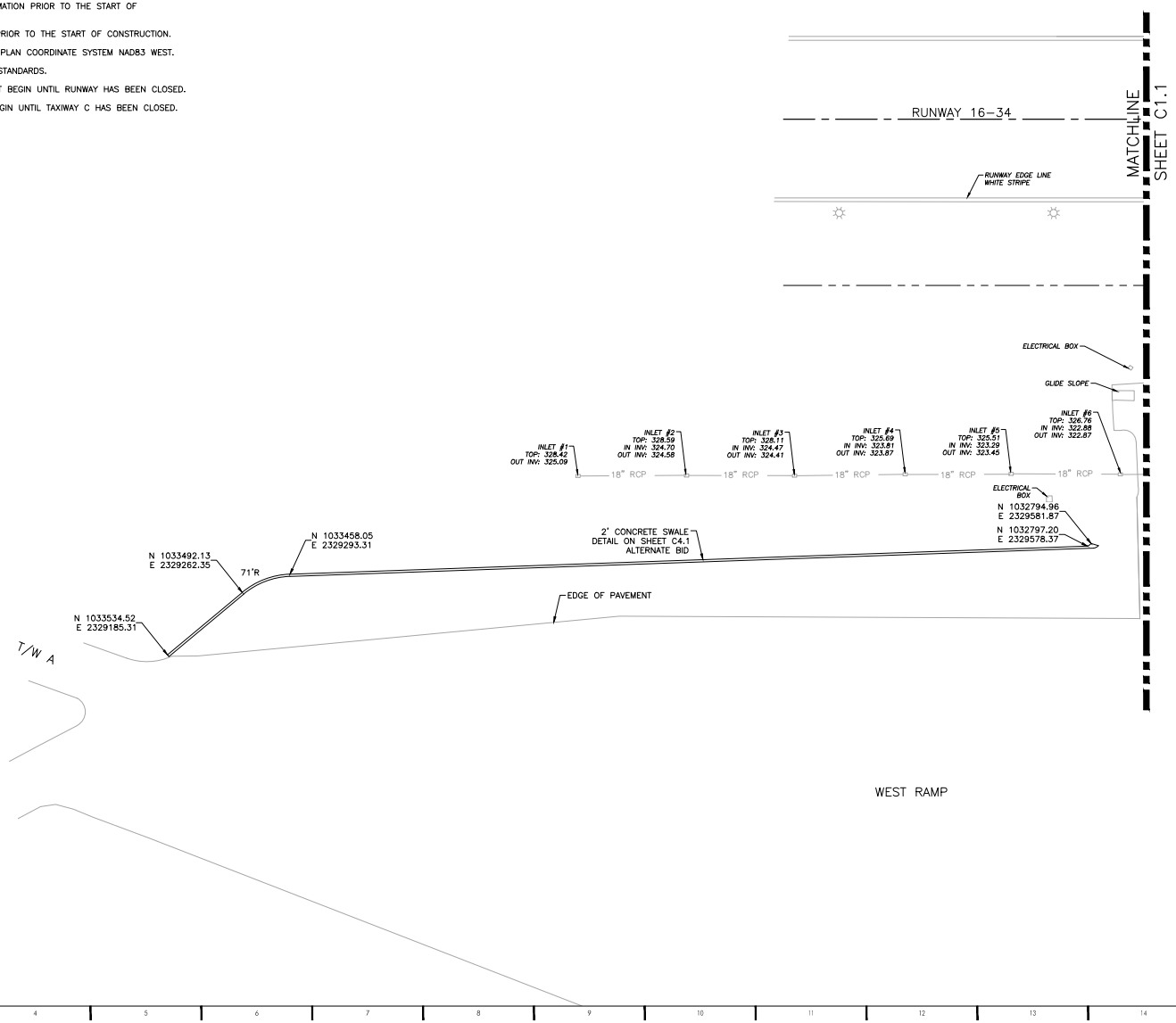

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SITE PLAN
SHEET 2 OF 2

JOB NO: 72327
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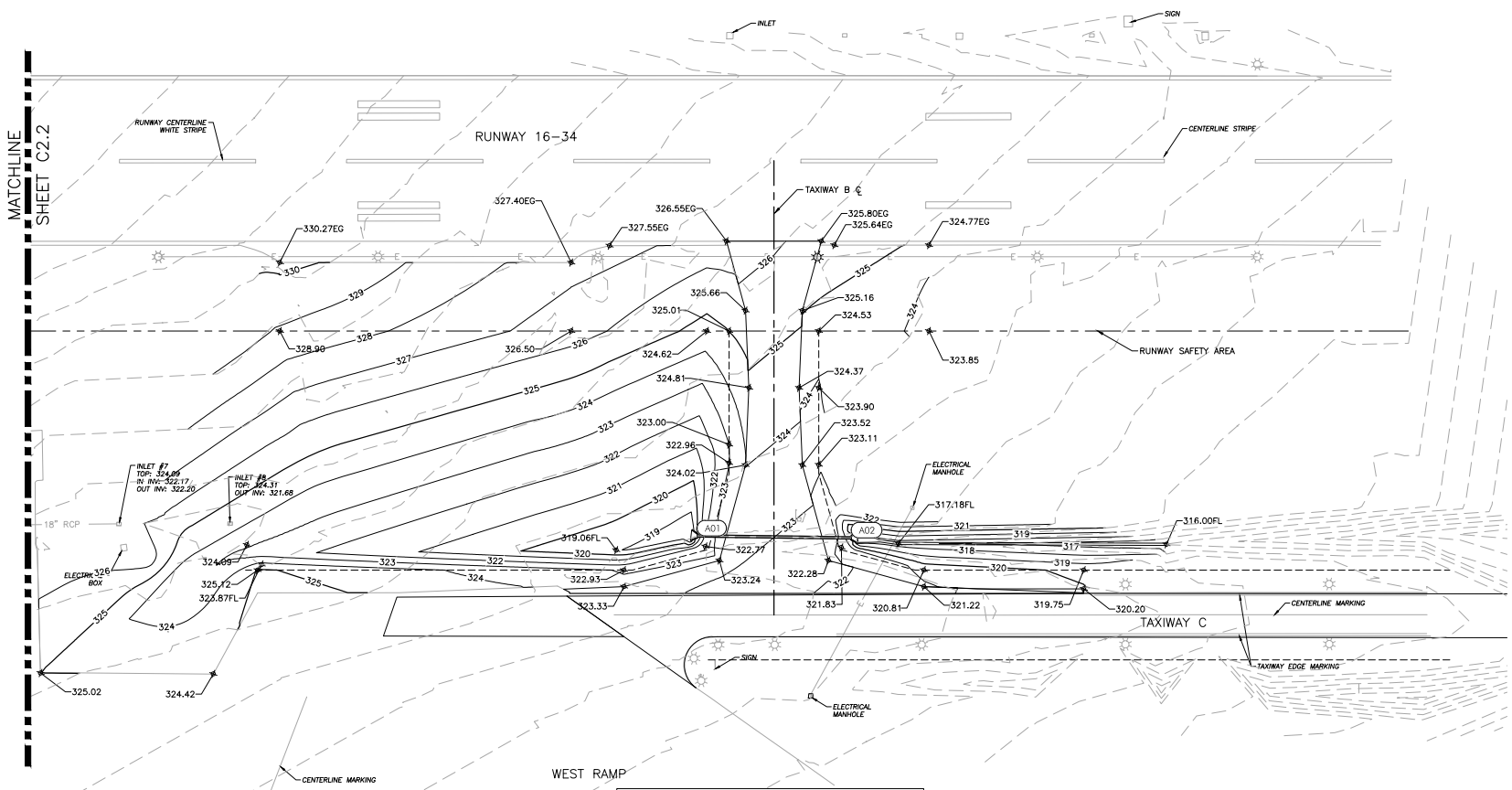
PE-21164
STATE OF MISSISSIPPI

C1.2



APPROXIMATE EARTHWORK QUANTITIES

UNCLASSIFIED EXCAVATION – 19,870 CY
SELECT FILL – 1200 CY

CONTRACTOR IS RESPONSIBLE FOR ALL EARTHWORK REQUIRED TO COMPLETE THE JOB. QUANTITIES ARE PROVIDE AS APPROXIMATE FOR CONTRACTORS USE. QUANTITIES INCLUDE EARTHWORK FOR ALTERNATE.

NOTES:

1. ALL DRAINAGE PIPE SHALL BE CL V RCP PIPE.
2. ALL DRAINAGE STRUCTURES SHALL BE REINFORCED CONCRETE.
3. COORDINATES FOR HEADWALL IS AT CENTER OF STRUCTURE, FACE OF STRUCTURE.

PROPOSED STORM DRAIN PIPES

FROM	INV. ELEV	TO	INV. ELEV	DIA., in	SLOPE, %	LENGTH, ft	DESIGN Q, cfs	CAPACITY Q, cfs	VELOCITY, fps
A01	318.29	A02	317.36	24"	0.68%	135.70		18.92	6.02
B02	323.20	B01	322.87	15"	0.52%	62.85		4.56	3.72

NOTES:
1. CONTRACTOR SHALL VERIFY ALL GRADES PRIOR TO THE START OF CONSTRUCTION.
2. ALL DISTURBED ARES SHALL BE SODDED WITH BERMUDA SOD.
3. AT EDGE OF PAVEMENTS THERE SHALL BE 1–1/2" DROP AT THE EDGE OF PAVEMENT AND GRASS INTERFACE.
4. SLOPES IN THE TSA AND RSA SHALL MEET FAA REQUIREMENTS, 2% SLOPE.

PROPOSED STORM DRAINAGE STRUCTURES

NUMBER	NORTHING	EASTING	STRUCTURE TYPE	RIM ELEV	FLOW LINE ELEV	DRAINAGE AREA, AC
A01	1032223.12	2329861.35	CONCRETE HEADWALL	N/A	318.28	4.36
A02	1032096.08	2329909.06	CONCRETE HEADWALL	N/A	317.36	N/A
B01	1032792.97	2329649.38	CONNECTION TO EXISTING INLET	326.76	322.87	
B02	1032791.82	2329586.55	15" CONCRETE FLARED END	N/A	323.19	

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JACKSON, MS 39298

No.	Revision	Date

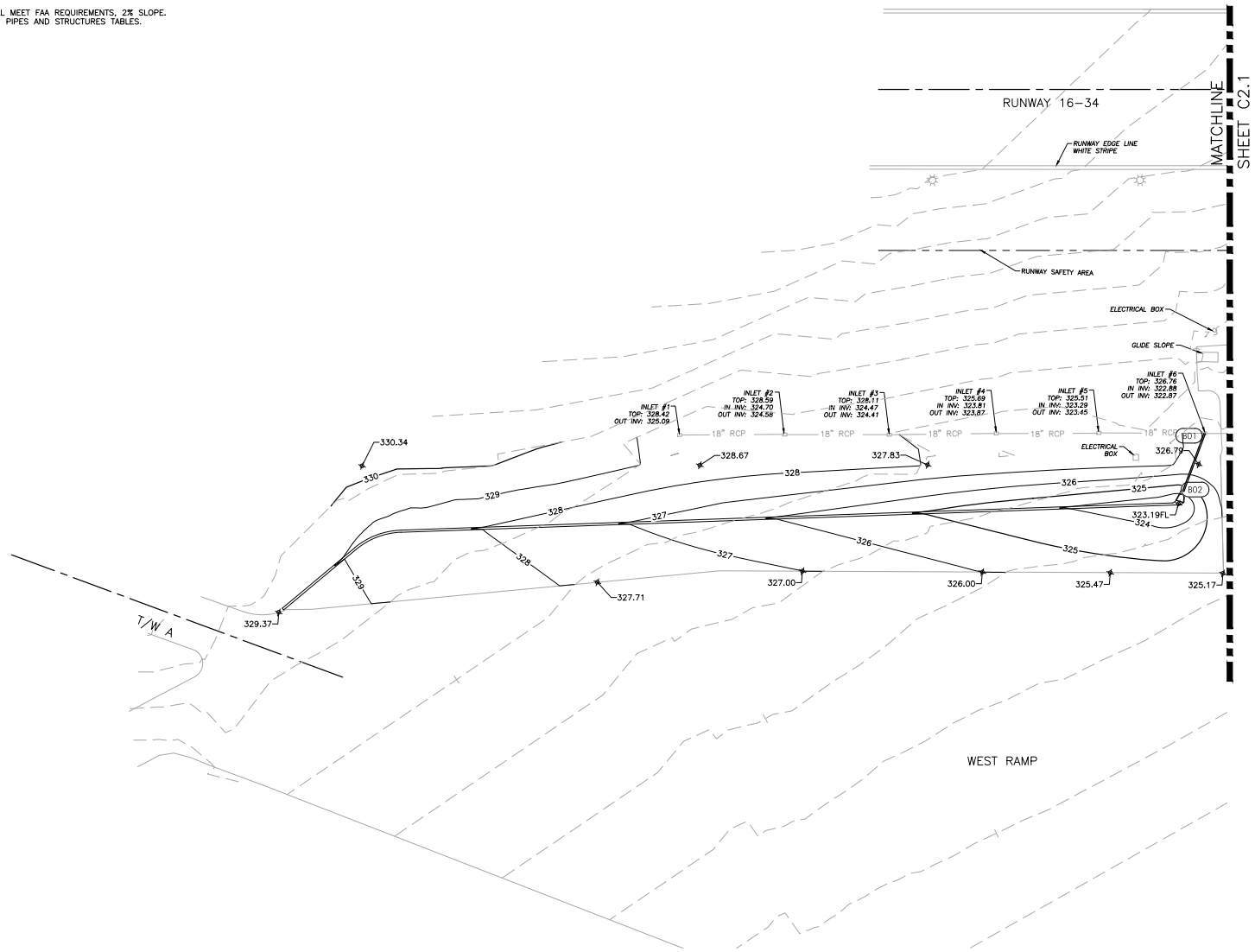
GRADING AND DRAINAGE PLAN
SHEET 1 OF 2

JOB NO: 72327
DATE: 09/30/2022
DRAWN: TP
CHECKED: CB
CAD FILE:

CHAWANPON BUNNIRAN
REGISTERED PROFESSIONAL ENGINEER
PE-21164
STATE OF MISSISSIPPI

C2.1

NOTES:
1. CONTRACTOR SHALL VERIFY ALL GRADES PRIOR TO THE START OF CONSTRUCTION.
2. ALL DISTURBED ARES SHALL BE SODDED WITH BERMUDA SOD.
3. AT EDGE OF PAVEMENTS THERE SHALL BE 1-1/2" DROP AT THE EDGE OF PAVEMENT AND GRASS INTERFACE.
4. SLOPES IN THE TSA AND RSA SHALL MEET FAA REQUIREMENTS, 2% SLOPE.
5. SEE SHEET C2.1 FOR STORM DRAIN PIPES AND STRUCTURES TABLES.



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No.	Revision	Date

GRADING AND DRAINAGE PLAN
SHEET 2 OF 2

JOB NO: 72327
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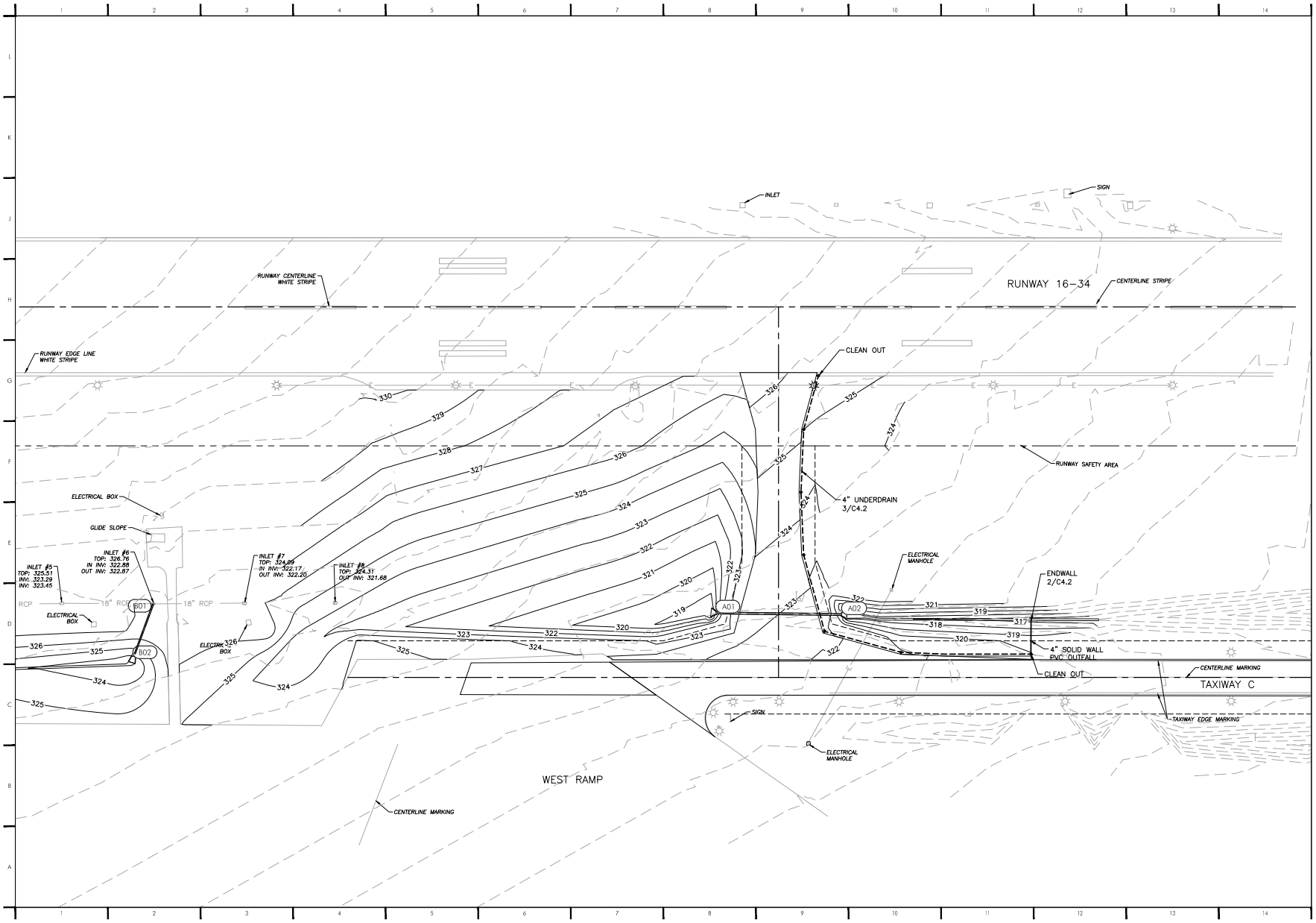
PE-21164
STATE OF MISSISSIPPI

C2.2



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No.	Revision	Date

UNDERDRAIN PLAN

JOB NO: 72327
DATE: 09/30/2022
DRAWN: TP
CHECKED: CB
CAD FILE:

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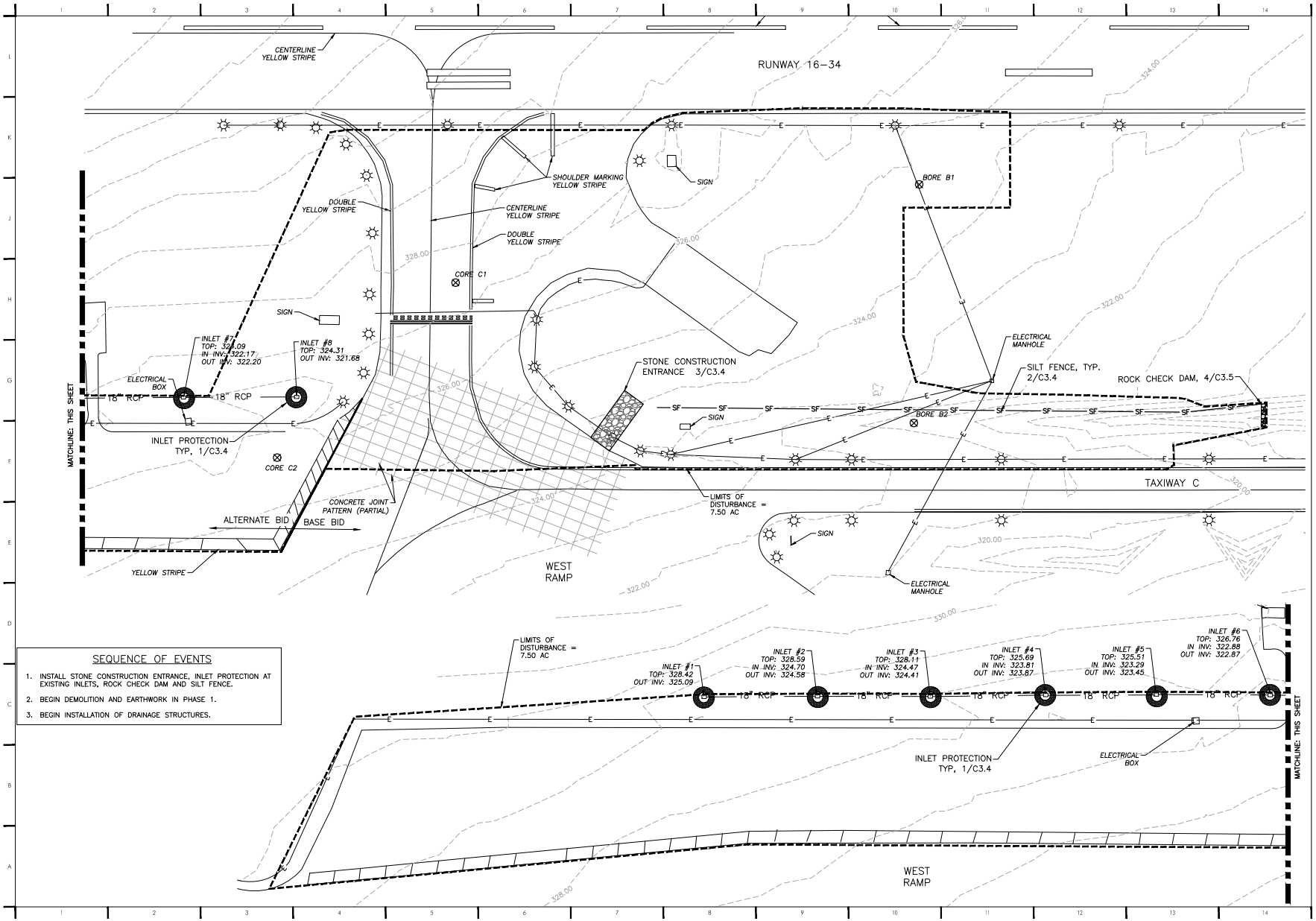
PE-21164
STATE OF MISSISSIPPI

C2.3



SEQUENCE OF EVENTS

1. INSTALL STONE CONSTRUCTION ENTRANCE, INLET PROTECTION AT EXISTING INLETS, ROCK CHECK DAM AND SILT FENCE.
2. BEGIN DEMOLITION AND EARTHWORK IN PHASE 1.
3. BEGIN INSTALLATION OF DRAINAGE STRUCTURES.

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No.	Revision	Date

EROSION CONTROL PLAN
STAGE 1

JOB NO: 72327
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DRAWN: TP
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PE-21164
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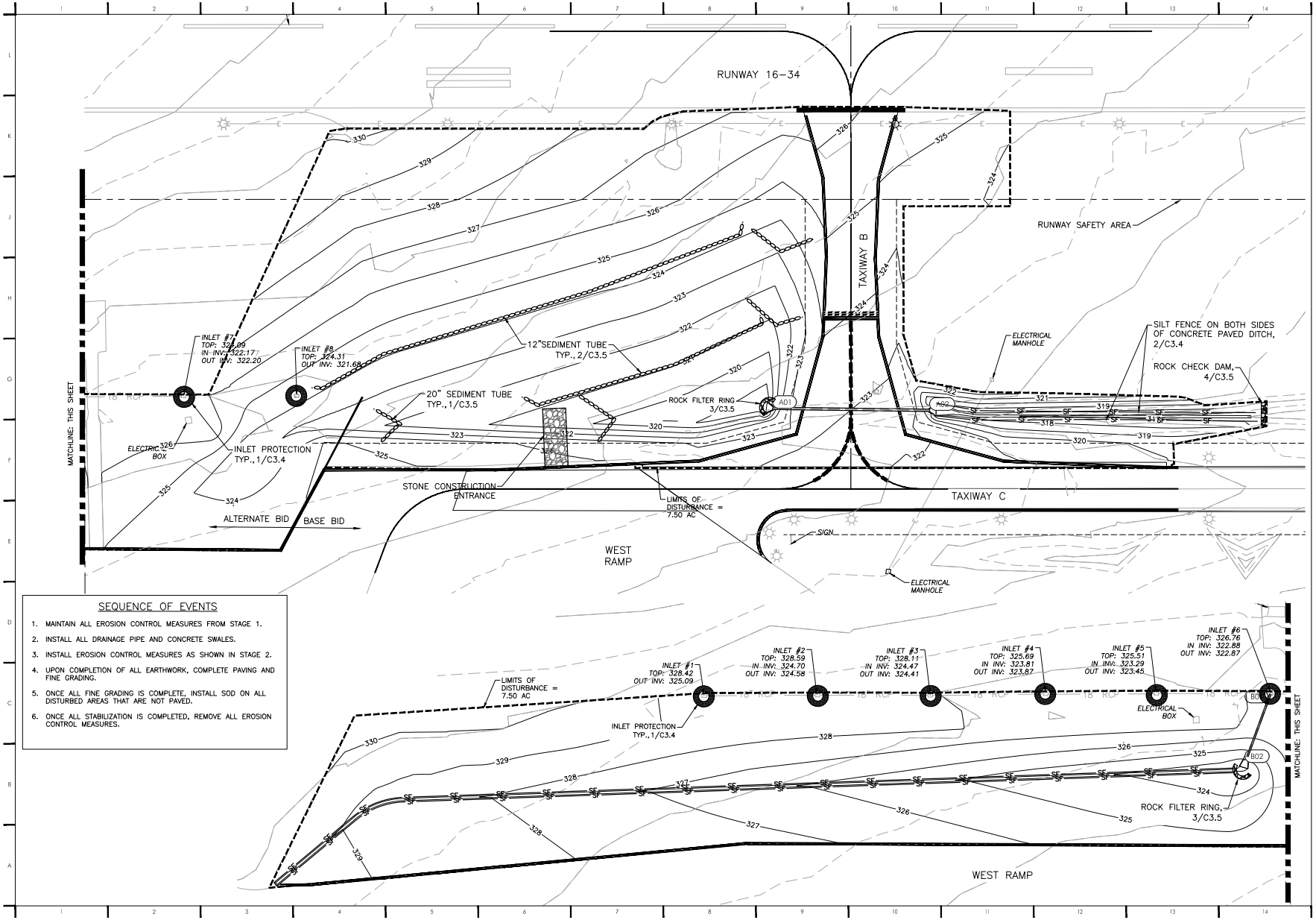
C3.1



SEQUENCE OF EVENTS

1. MAINTAIN ALL EROSION CONTROL MEASURES FROM STAGE 1.
2. INSTALL ALL DRAINAGE PIPE AND CONCRETE SWALES.
3. INSTALL EROSION CONTROL MEASURES AS SHOWN IN STAGE 2.
4. UPON COMPLETION OF ALL EARTHWORK, COMPLETE PAVING AND FINE GRADING.
5. ONCE ALL FINE GRADING IS COMPLETE, INSTALL SOD ON ALL DISTURBED AREAS THAT ARE NOT PAVED.
6. ONCE ALL STABILIZATION IS COMPLETED, REMOVE ALL EROSION CONTROL MEASURES.

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EROSION CONTROL PLAN
STAGE 2

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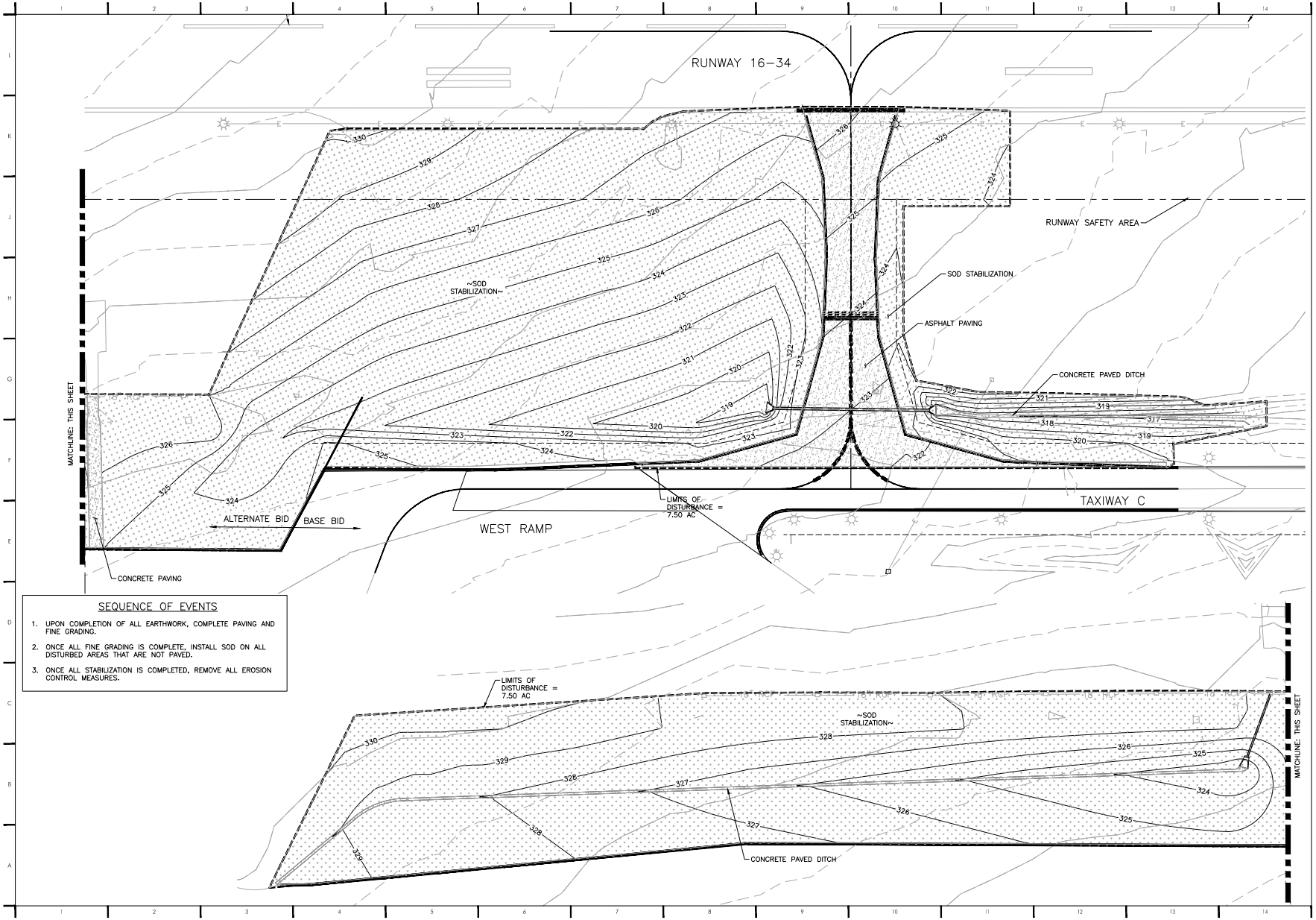
C3.2



SEQUENCE OF EVENTS

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EROSION CONTROL PLAN
STAGE 3

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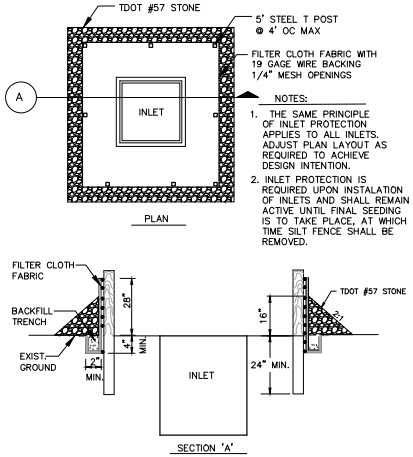
C3.3

EROSION CONTROL NOTES

1. THE PURPOSE OF THIS EROSION CONTROL PLAN IS TO PREVENT SILTATION AND OTHER POLLUTANTS, DUE TO CONSTRUCTION, FROM ENTERING ADJACENT STREAMS AND PROPERTY.
2. CLEARING AND GRUBBING IS TO BE HELD TO THE MINIMUM WIDTH NECESSARY TO ACCOMMODATE SLOPES. UNNECESSARY CANOPY REMOVAL (TREES, SHRUBS, ETC.) IS PROHIBITED.
3. MAINTAIN ALL GROUND COVER WHENEVER POSSIBLE. ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE NOT TO RECEIVE PAVING SHALL BE SODDED AS SOON AS POSSIBLE.
4. ALL DITCHES AND FRESH CUTS IN DRAINAGE WAYS SHALL BE STABILIZED WITH SOD WHERE INDICATED ON PLAN.
5. TO REDUCE SEDIMENT IN RUNOFF, EROSION CONTROL MEASURES SHALL BE INSTALLED PROMPTLY DURING ALL CONSTRUCTION PHASES.
6. SEDIMENT TRAPS SHALL BE LOCATED AS NEEDED BY THE ENGINEER.
7. SITE EROSION CONTROLS SHALL BE CHECKED AND IF NECESSARY REPAIRED WEEKLY AND WITHIN 24 HOURS AFTER EACH RAINFALL GREATER THAN 0.5". IN THE EVENT OF CONTINUOUS RAINFALL, EROSION CONTROLS SHALL BE CHECKED DAILY.
8. DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT STRUCTURAL COMPONENTS OF EROSION CONTROL STRUCTURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE STRUCTURES AT THE CONTRACTOR'S EXPENSE.
9. ALL AREAS TO REMAIN BARE GREATER THAN 14 DAYS MUST BE TEMPORARILY STABILIZED. ALL AREAS GREATER THAN 3:1 TO REMAIN BARE FOR GREATER THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED.
10. SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES IS TO BE PLACED AT A SITE APPROVED BY THE ENGINEER. IT SHALL BE TREATED IN A MANNER SO THAT THE AREA AROUND THE DISPOSAL SITE WILL NOT BE CONTAMINATED OR DAMAGED BY THE SEDIMENT IN RUN-OFF. ALL COST FOR SEDIMENT REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
11. UPON COMPLETE REMOVAL OF SEDIMENT TRAPS, SPECIAL DITCHES, ETC., THE AREA WHERE THEY WERE CONSTRUCTED IS TO BE TOPSOILED, SEEDED, AND MULCHED.
12. ALL STOCKPILES SHALL BE CONTAINED BY SILT FENCE IN ORDER TO PREVENT SEDIMENT RUNOFF FROM ENTERING NEARBY STREAMS.
13. SHOULDERS AND EXCAVATED AREAS SHALL BE PROMPTLY STABILIZED AGAINST EROSION. SILTATION MEASURES SHALL BE IMPLEMENTED PROMPTLY TO REDUCE THE SEDIMENT IN RUN-OFF FROM THE CONSTRUCTION SITE.
14. EQUIPMENT STAGING AND MAINTENANCE AREAS SHALL BE DEVELOPED A SUFFICIENT DISTANCE FROM STREAMS TO ENSURE THAT OIL, GASOLINE, AND OTHER PETROLEUM POLLUTANTS DO NOT ENTER THE WATERWAYS.
15. FAILURE TO MAINTAIN GOOD EROSION CONTROL MEASURES COULD RESULT IN A FINE BEING ISSUED TO THE CONTRACTOR.
16. THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL DEVICES IN GENERAL CONFORMANCE TO THE EROSION CONTROL PLAN. THE EROSION CONTROL PLAN IS PROVIDED TO INDICATE MINIMUM EROSION CONTROL MEASURES REQUIRED OF THE CONTRACTOR AND DOES NOT TAKE INTO ACCOUNT THE CONTRACTOR'S SEQUENCE OF CONSTRUCTION. ADDITIONAL EROSION CONTROL MEASURES SHALL BE UNDERTAKEN BY THE CONTRACTOR AS REQUIRED TO MINIMIZE IMPACTS TO ADJACENT PROPERTIES AND THE DRAINAGE SYSTEM DOWNSTREAM OF THE SITE, AT NO ADDITIONAL COST.
17. INLET PROTECTION SHALL BE PER DETAIL ON THIS SHEET, PLUS BELOW-GRADE GEOTEXTILE CATCH BASIN SEDIMENT TRAP (ADS FLEXSTORM "CATCH-IT" - OR APPROVED EQUAL). SEDIMENT SHALL BE REMOVED FROM BELOW-GRADE GEOTEXTILE CATCH BASIN SEDIMENT TRAP ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AT NO ADDITIONAL COST TO OWNER.
18. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL REQUIRED PERMITS HAVE BEEN OBTAINED PRIOR TO BEGINNING CONSTRUCTION OR OTHER ACTIVITIES.
19. A SPECIFIC INDIVIDUAL SHALL BE DESIGNATED TO BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS ON EACH PROJECT SITE.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SOIL EROSION CONTROL MEASURES AS NOTED ON THE PLANS AND AS REQUESTED BY THE OWNER DURING CONSTRUCTION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR SATISFYING THE REQUIREMENTS OF THE STATE OF MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY. ALL SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE CONTRACT SO AS TO PREVENT ANY SEDIMENTATION FROM WASHING OFF THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHTS-OF-WAY. STRAW BALE DAMS AND/OR SEDIMENT FENCE SHALL BE INSTALLED AS DIRECTED. THE CONTRACTOR SHALL MAINTAIN A LOG OF ALL MAINTENANCE ACTIVITIES FOR THE EROSION CONTROL ELEMENTS AS REQUIRED BY THE STATE OF MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY.
21. A COPY OF THE EROSION CONTROL PLAN MUST BE AVAILABLE ON SITE FOR THE LOCAL INSPECTOR ON REQUEST.
22. EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN, AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORK DAY, BUT MUST BE REPLACED AT THE END OF THE WORK DAY OR PRIOR TO RAINFALL EVENTS.
23. ALL CONTROL MEASURES SHALL BE INSPECTED AND REPAIRED AS NECESSARY, AT LEAST TWICE WEEKLY, 72 HOURS OR MORE APART. DURING PROLONGED RAINFALL, DAILY CHECKING AND REPAIRING IS NECESSARY. THE PERMITTEE SHALL MAINTAIN RECORDS OF CHECKS AND REPAIRS.
24. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY REQUIREMENTS."
25. ALL STATE NPDES PERMITS SHALL BE OBTAINED BEFORE ANY LAND IS DISTURBED. A PERMIT FROM MDEQ IS REQUIRED IF MORE THAN 5 ACRES IS DISTURBED OR IF THIS IS A PART OF A LARGER PLANNED DEVELOPMENT THAT HAS AN EXISTING PERMIT.

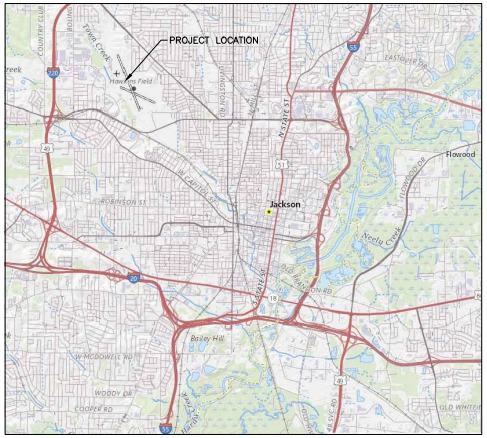


NOTES:

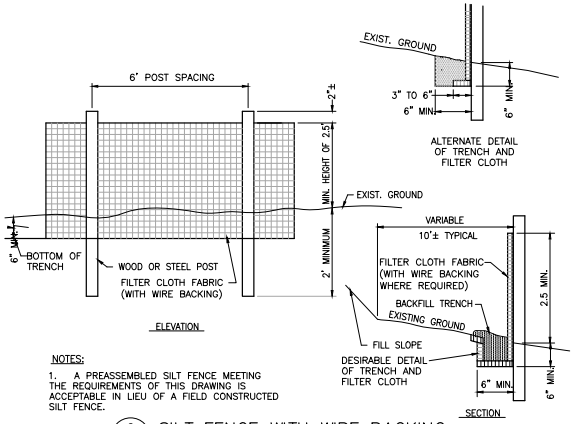
1. THE SAME PRINCIPLE OF INLET PROTECTION APPLIES TO ALL INLETS. ADJUST PLAN LAYOUT AS REQUIRED TO ACHIEVE DESIGN INTENTION.
2. INLET PROTECTION IS REQUIRED UPON INSTALATION OF INLETS AND SHALL REMAIN ACTIVE UNTIL FINAL SEEDING IS TO TAKE PLACE, AT WHICH TIME SILT FENCE SHALL BE REMOVED.

NOTE:
REMOVE INLET PROTECTION UPON COMPLETION OF PROJECT (NO SEPARATE PAY)
SILT SACK OR APPROVED EQUAL FOR INLETS IN PAVEMENT.

1 / C3.4 INLET PROTECTION DETAIL
NTS



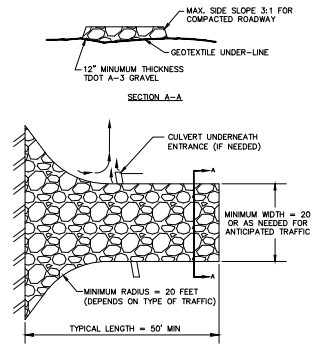
VICINITY MAP



NOTES:

1. A PREASSEMBLED SILT FENCE MEETING THE REQUIREMENTS OF THIS DRAWING IS ACCEPTABLE IN LIEU OF A FIELD CONSTRUCTED SILT FENCE.

2 / C3.4 SILT FENCE WITH WIRE BACKING
NTS



NOTE:

1. LOCATION OF CONSTRUCTION ENTRANCE/EXITS WILL BE DETERMINED IN THE FIELD BY THE DESIGNER.
2. PLATES MAY BE NEEDED TO PROTECT UNDERGROUND UTILITIES. PLATES SHALL BE INCLUDED IN COST OF CONSTRUCTION ENTRANCE.

3 / C3.4 CONSTRUCTION ENTRANCE
NTS

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JACKSON, MS 39298

No.	Revision	Date

EROSION CONTROL NOTES AND DETAILS

JOB NO: 72327
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CAD FILE:

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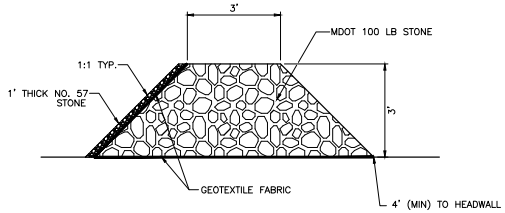
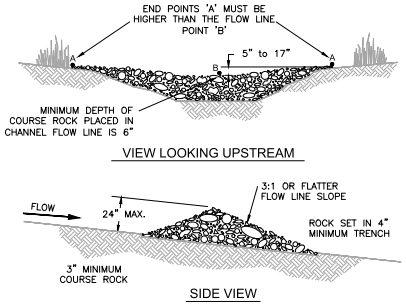
PE-21164
STATE OF MISSISSIPPI

C3.4

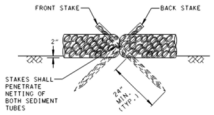


3 C3.5 ROCK FILTER RING
NTS

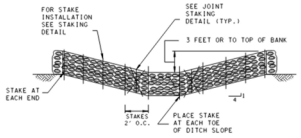


NOTES:
1. CONSTRUCT WITH 100 LBSTONE.
2. CENTER SHALL BE 1' ABOVE FLOWLINE OF THE DITCH.
3. ENHANCED ROCK CHECK DAM SHALL INCLUDE GEOTEXTILE FABRIC ON THE FACE OF THE CHECK DAM WITH A MINIMUM 6" OF NO. 57 STONE ON THE FACE.

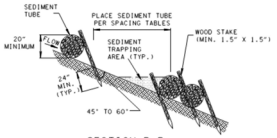
4 C3.5 ROCK CHECK DAM
NTS



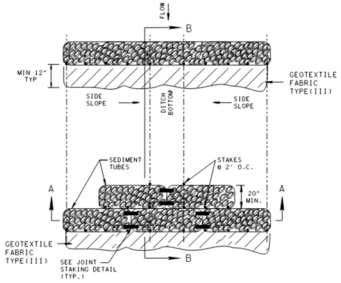
JOINT STAKING DETAIL
(DITCH APPLICATION ONLY)



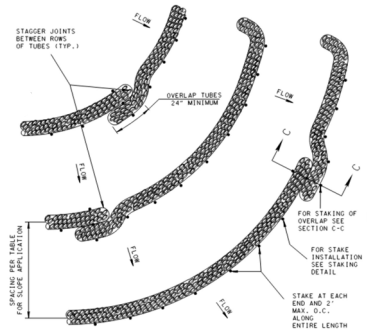
SECTION A-A



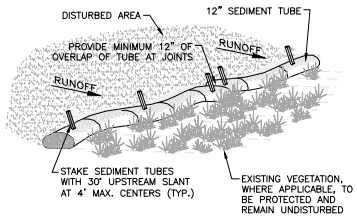
SECTION B-B



1 C3.5 SEDIMENT TUBE – DITCH APPLICATION
NTS



PLAN VIEW FOR SLOPE APPLICATION



PLAN VIEW OF PERIMETER CONTROL OR OTHER NON SLOPE APPLICATION

2 C3.5 SEDIMENT TUBE – SHEET FLOW APPLICATION
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EROSION CONTROL DETAILS

JOB NO: 72327
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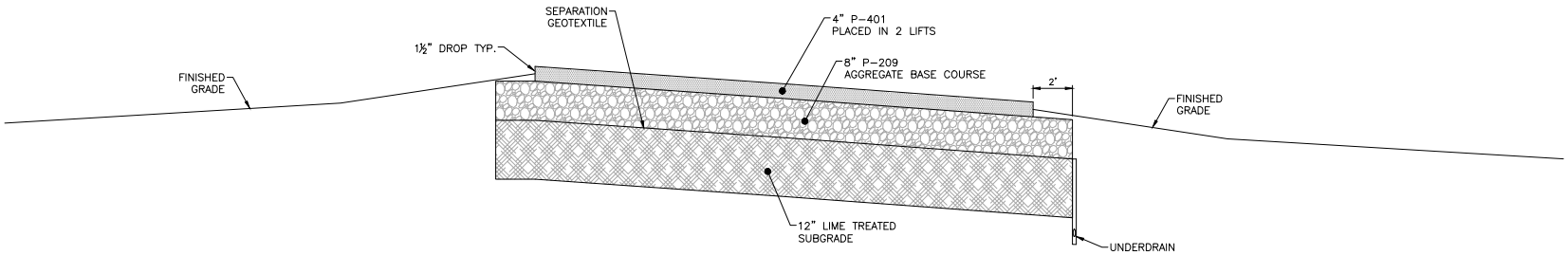
C3.5



F1	TAXIWAY B TYPICAL SECTION
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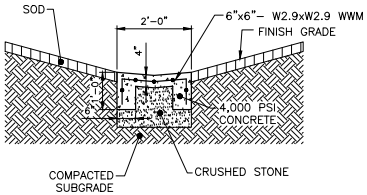

A10	PAVED DITCH
	N.T.S.

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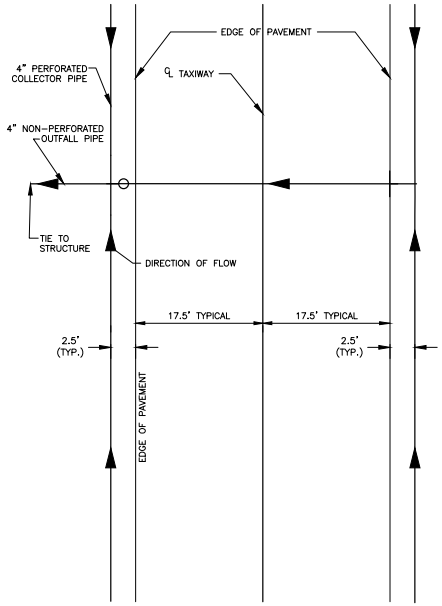
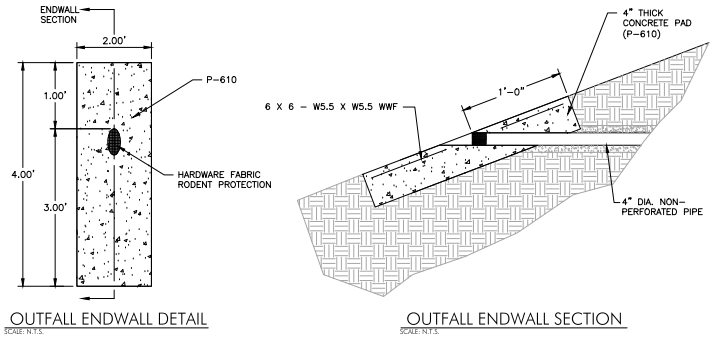
C4.1



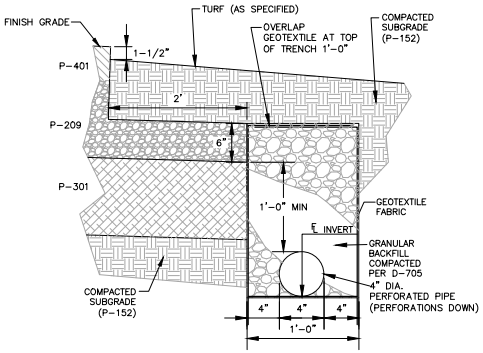
1 C4.2 TYPICAL UNDERDRAIN LAYOUT
NTS



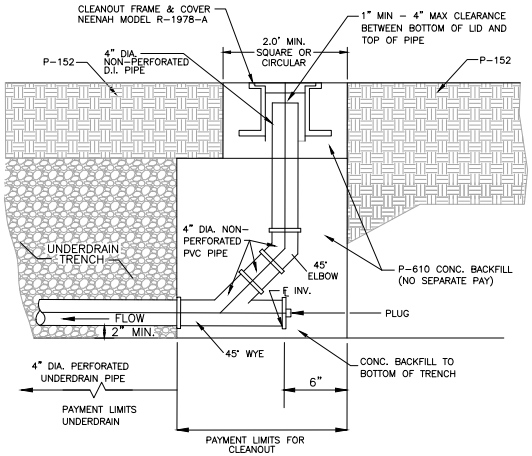
OUTFALL ENDWALL DETAIL
SCALE: N.T.S.

OUTFALL ENDWALL SECTION
SCALE: N.T.S.

2 C4.2 UNDERDRAIN OUTFALL DETAIL
NTS



3 C4.2 TYPICAL 4" PERFORATED COLLECTOR
NTS



4 C4.2 TYPICAL END OF LINE CLEANOUT
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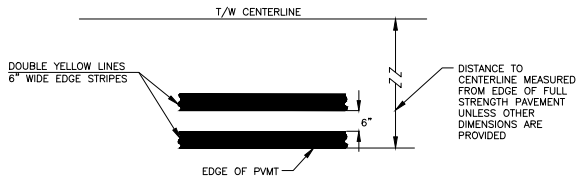
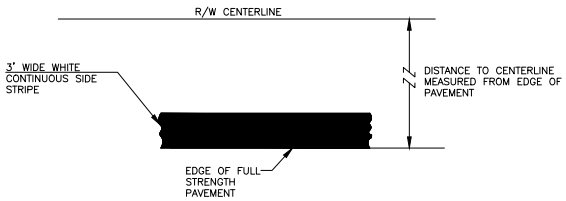
C4.2



1	CONTINUOUS TAXIWAY EDGE MARKING
	N.T.S.



2	RUNWAY SIDE STRIPE MARKING
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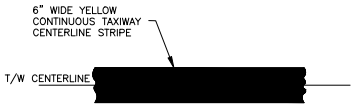

3	TAXIWAY CL STRIPE
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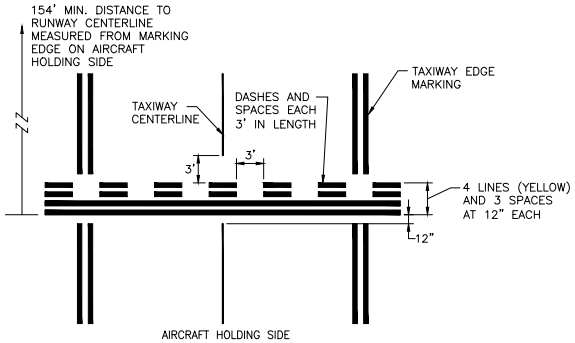
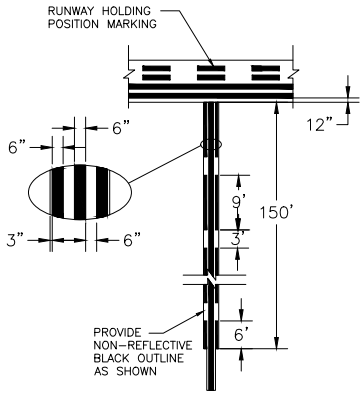


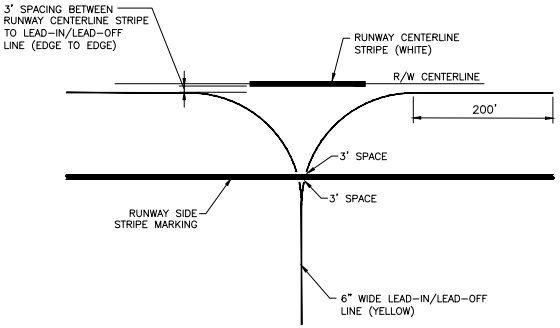
NOTE:
PROVIDE BLACK BORDER OUTLINE IN ACCORDANCE WITH AC 15/5340-1J, APPENDIX 2, AT ALL RUNWAY HOLDING POSITION MARKINGS.

4	ENHANCED R/W HOLDING POSITION MARKING
	N.T.S.



NOTE:
BLACK OUTLINE INDICATED ABOVE IS TO FILL BETWEEN AND TO 3" WIDER THAN ENHANCED CENTERLINE MARKING

5	ENHANCED T/W CL MARKING
	N.T.S.



NOTE: PROVIDE 3' SPACE WHEREVER TAXIWAY MARKINGS ARE INTERRUPTED AT RUNWAY MARKINGS.

6	LEAD-IN/LEAD-OFF LINE
	N.T.S.

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CAD FILE:

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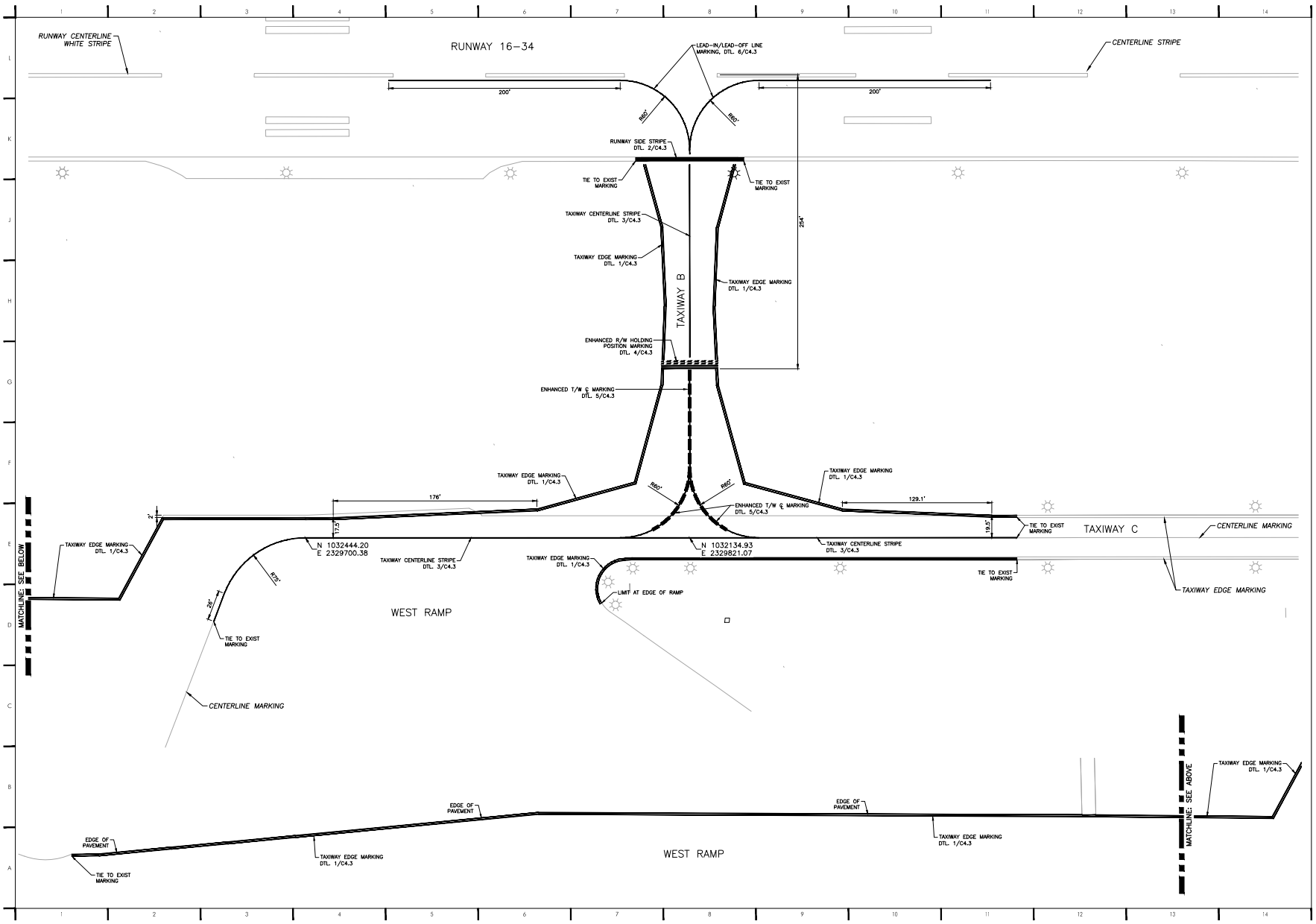
PE-21164
STATE OF MISSISSIPPI

C4.3



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NORTH

GRAPHIC SCALE

40 0 30 40 80

(IN FEET)
1 inch = 40 ft.

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MARKING PLAN

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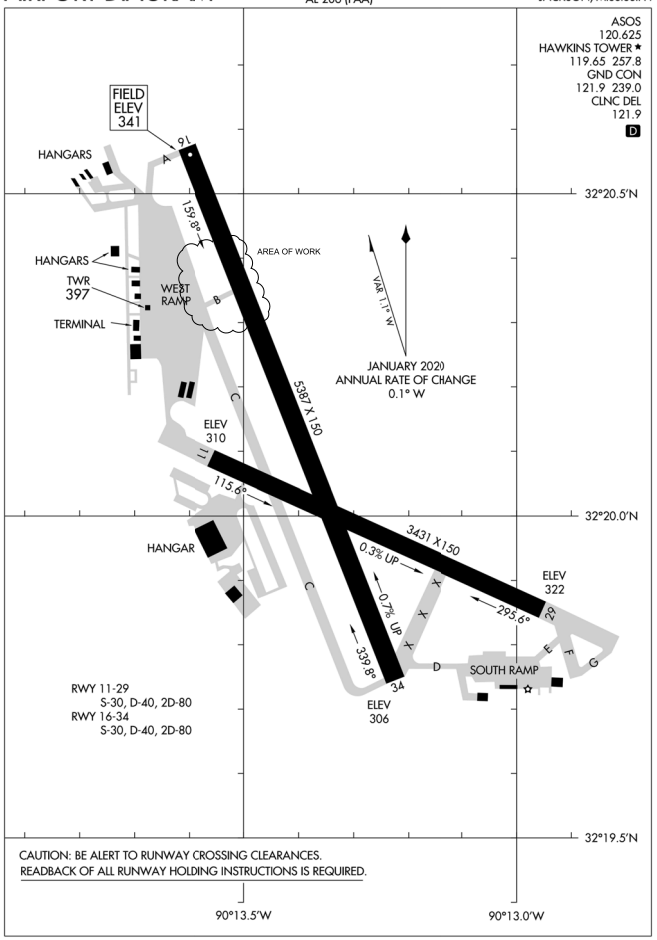
STATE OF MISSISSIPPI

C5.1

21224

AIRPORT DIAGRAM

HAWKINS FLD (HKS)
JACKSON, MISSISSIPPI



CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

SC-4, 04 NOV 2021 to 02 DEC 2021

SC-4, 04 NOV 2021 to 02 DEC 2021

AIRPORT DIAGRAM
21224

JACKSON, MISSISSIPPI
HAWKINS FLD (HKS)

INDEX OF DRAWING	
DRAWING NO.	DRAWING TITLE
E1	KEY PLAN
E2	ELECTRICAL LEGEND AND NOTES
E3	TAXIWAY BRAVO, RUNWAY 16-34 DEMOLITION PLAN
E4	TAXIWAY BRAVO, RUNWAY 16-34 NEW WORK
E5	LIGHTING FIXTURE AND SIGN SCHEDULES
E6	ELECTRICAL DETAILS, TYPICAL BASES
E7	ELECTRICAL DETAILS, TAXIWAY/RUNWAY EDGE LIGHT, IN PAVEMENT RUNWAY EDGE LIGHT

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17786
STATE OF MISSISSIPPI
09-30-2022

MCA+ Engineering & Construction
BATON ROUGE · NEW ORLEANS

JOB NO:	JMA21002
BG:	801
PROJECT MANAGER:	ROBERT MEJIA
DATE:	09-30-2022

Allen&Hoshall
engineers·architects·surveyors

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TAXIWAY BRAVO RELOCATION
HAWKINS FIELD AIRPORT
AIP GRANT #3-28-0038-025-2021

658 W. RAMP ST.
JACKSON, MS 39208

JACKSON MUNICIPAL AIRPORT AUTHORITY
100 INTERNATIONAL DRIVE STE 300
JACKSON, MS 39208

No.	Revision	Date
1	ADDENDUM 1	07-29-22

TAXIWAY BRAVO RELOCATION
KEY PLAN

JOB NO: 72327
DATE: 9/30/2022
DRAWN: AG
CHECKED: CS
CAD FILE:

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CONSTRUCTION
DOCUMENTS

E1

SYMBOL LEGEND	
TYPE	DESCRIPTION
	ELEVATED HIGH INTENSITY RUNWAY/TAXIWAY EDGE LIGHT FIXTURE, LED TYPE*
	L-850D INSET RUNWAY EDGE LIGHT FIXTURE WITH CLEAR LENS, STYLE 3, HIGH INTENSITY, LED TYPE*

* SEE LIGHT FIXTURE SCHEDULE DRAWINGS E5

SAFETY REQUIREMENTS

1. THE CONTRACTOR SHALL COMPLY WITH FAA ADVISORY CIRCULAR 150/5370-2F, THE PROJECT SPECIFICATIONS AND THE PLANS FOR GUIDANCE ON OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.
2. DURING THE ENTIRE CONTRACT PERIOD, TAXIWAYS AND RUNWAYS WILL REMAIN IN USE BY AIRCRAFT AS MUCH AS IT IS SAFE AND PRACTICAL EXCEPT FOR CERTAIN DESIGNATED PERIODS AS COORDINATED WITH AIRPORT OPERATIONS. CLOSINGS WILL BE DONE ON AN AS NEEDED BASIS AND SHALL BE COORDINATED IN ADVANCE. AIRPORT AUTHORITY REQUIRES ONE WEEK ADVANCE NOTICE TO CLOSE A RUNWAY AND A 72 HOUR NOTICE TO CLOSE A RUNWAY WITH A NOTAM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADVISING THE AIRPORT OPERATIONS OF ANY CONDITIONS THAT MAY REQUIRE NOTAMS.
3. CONTRACTOR SHALL NOT BEGIN WORK WITHIN ANY AIR OPERATIONS AREA UNLESS AND UNTIL 72 HOURS NOTICE HAS BEEN GIVEN TO AIRPORT OPERATIONS AND AUTHORIZATION HAS BEEN GIVEN TO CLOSE THE AREA.
4. WHEN WORKING WITHIN THE AIR OPERATIONS AREA, CONTRACTOR'S PERSONNEL SHALL BE ALERT TO AIRCRAFT OPERATING IN THE AREA. AIRCRAFT SHALL HAVE THE RIGHT OF WAY AT ALL TIMES, WHETHER TAXIING, TAKING OFF OR LANDING.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY AND BADGING REQUIRED BY THE AIRPORT, INCLUDING ESCORTING, VEHICLE OPERATIONS AND ACCESS. THE CONTRACTOR SHALL FULLY ADHERE TO THESE REQUIREMENTS AT ALL TIMES WHEN PRESENT IN THE SECURITY IDENTIFICATION DISPLAY AREA.
6. ALL CONSTRUCTION VEHICLES MUST BE CLEARED FOR ACCESS BY AIRPORT OPERATIONS. ALL WILL BE MARKED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2F. CROSSING OF RUNWAYS SHALL NOT BE ALLOWED UNLESS APPROVED BY AIRPORT OPERATIONS. CONTACT WITH AIR TRAFFIC CONTROL TOWER WILL BE CONDUCTED BY AIRPORT OPERATIONS. RUNWAY CROSSINGS SHALL NOT TAKE PLACE WITHOUT AUTHORIZATION FROM AIR TRAFFIC CONTROL. ALL CONTRACTOR'S VEHICLES AND PERSONNEL SHALL CONDUCT WORK AND INGRESS/EGRESS IN ACCORDANCE WITH THE AIRPORT OPERATIONS SECURITY PROCEDURES. PERSONAL VEHICLES SHALL NOT BE ALLOWED IN THE AIRCRAFT OPERATIONS AREA (AOA).
7. A DAILY START UP AND SHUT DOWN CHECK LIST SHALL BE JOINTLY PREPARED BY THE CONTRACTOR AND AIRPORT OPERATIONS WHICH WILL BE FOLLOWED THROUGHOUT THE PROJECT. THE CHECK LIST SHALL INCLUDE, BUT NOT BE LIMITED TO, COMMUNICATIONS, BARRICADES, HAUL AND ACCESS ROUTES, CLEAN UP, ETC.
8. EQUIPMENT AND MATERIALS SHALL NOT BE LEFT IN THE CONSTRUCTION AREA AFTER WORKING HOURS.
9. CONTRACTOR SHALL HAVE QUALIFIED ELECTRICIANS ON CALL 24 HOURS A DAY TO REPAIR POWER CABLES, AIRFIELD LIGHTING CIRCUITS, ETC. WHICH MAY BE DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS.

NOTES:

1. CONTRACTOR SHALL SCHEDULE TIME SLOTS WITH AIRPORT OPERATIONS AT OFF PEAK TIMES TO DE-ENERGIZE, DISASSEMBLE AND REMOVE DESIGNATED LIGHTING FIXTURES AND RETURN TO OWNER..
2. CONTRACTOR SHALL VERIFY QUANTITIES AND LENGTHS OF BASE CANS REQUIRED FOR RE INSTALLATION OF NEW LIGHT FIXTURES AT THE PAVING GRADE LEVEL. SURVEY ELEVATIONS SHALL BE USED. INCLUDE SPACER RINGS, GASKETS, STEEL COVER PLATES AND HARDWARE. CONTRACTOR SHALL PLACE ORDER FOR ALL REQUIRED MATERIALS AT MINIMUM 5 WEEKS PRIOR TO SCHEDULED RUNWAY OUTAGE.
3. CONTRACTOR SHALL ARRANGE FOR LOCKING AND TAGGING OUT OF THE EXTERNAL CIRCUIT BREAKERS POWERING THE CONSTANT CURRENT REGULATORS (CCR) WITH AIRPORT MAINTENANCE PERSONNEL ONCE CIRCUIT BREAKERS ARE LOCKED OUT BY MAINTENANCE, CONTRACTOR SHALL PLACE HIS OWN LOCK ON EACH DEVICE. CONTRACTOR SHALL REMOVE ALL LIGHT FIXTURES AND STORE IN OWNER DESIGNATED STORAGE AREA
4. EXISTING RUNWAY, TAXIWAY AND SIGN LIGHTING CIRCUITS SHALL BE REUSED. RE ROUTE AND EXTEND AS REQUIRED.
5. ALL WORK SHALL BE DONE IN FULL COMPLIANCE WITH APPLICABLE FAA ADVISORY CIRCULARS.

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09-30-2022

MCA Engineering & Construction
BATON ROUGE - NEW ORLEANS

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JACKSON, MS 39208

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TAXIWAY BRAVO RELOCATION
ELECTRICAL LEGEND AND NOTES

JOB NO: 72327
DATE: 9/30/2022
DRAWN: AG
CHECKED: CS
CAD FILE:

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CONSTRUCTION
DOCUMENTS

E2

A / E3 EXISTING SIGN TO BE RELOCATED
SCALE: N.T.S.

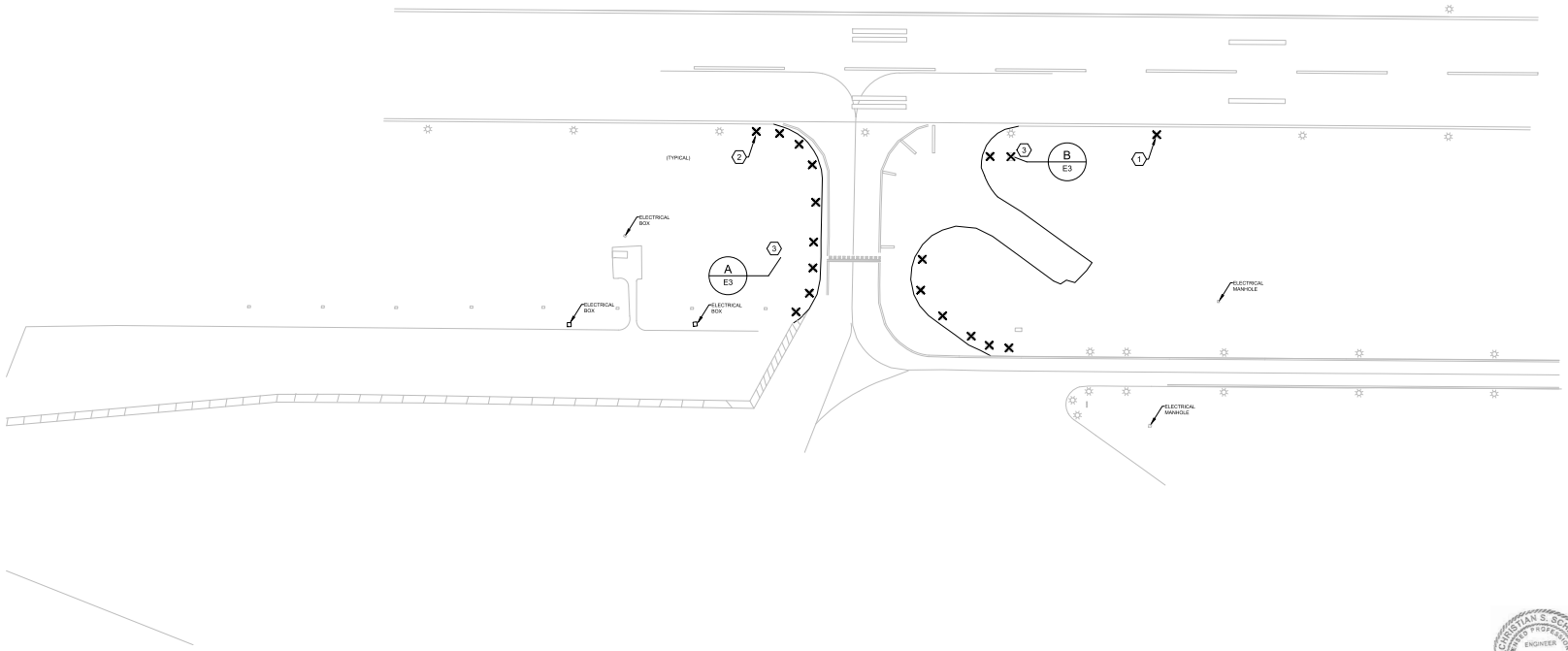
B / E3 EXISTING SIGN TO BE RELOCATED
SCALE: N.T.S.

GENERAL NOTE:

1. ALL WORK SHALL BE DONE IN FULL COMPLIANCE WITH APPLICABLE FAA ADVISORY CIRCULARS.

KEY NOTES:

1. EXISTING RUNWAY EDGE LIGHT SHALL BE REMOVED. REMOVE BASE, CONDUIT AND WIRING TO SOURCE. SEE DRAWING E4 FOR NEW BASE AND RUNWAY EDGE LIGHT TO BE INSTALLED.
2. REMOVE EXISTING TAXIWAY EDGE LIGHTS INDICATED WITH "X". REMOVE WIRING TO SOURCE. CAP BASE CANS AND ABANDON IN PLACE.
3. EXISTING SIGNS SHALL BE REMOVED AND STORED FOR LATER REINSTALLATION AT TAXIWAY BRAVO. COIL WIRE IN SAFE CONDITION, CAP BASE. SEE DRAWING E4 FOR NEW LOCATIONS.



1 / E3 ELECTRICAL - TAXIWAY BRAVO, RUNWAY 16-34 DEMOLITION PLAN
SCALE: 1" = 80'-0"

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09-30-2022

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JACKSON, MS 39208

No.	Revision	Date

TAXIWAY BRAVO RELOCATION
TAXIWAY BRAVO, RUNWAY 16-34
DEMOLITION PLAN - ELECTRICAL

JOB NO: 72327
DATE: 9/30/2022
DRAWN: AG
CHECKED: CS
CAD FILE:

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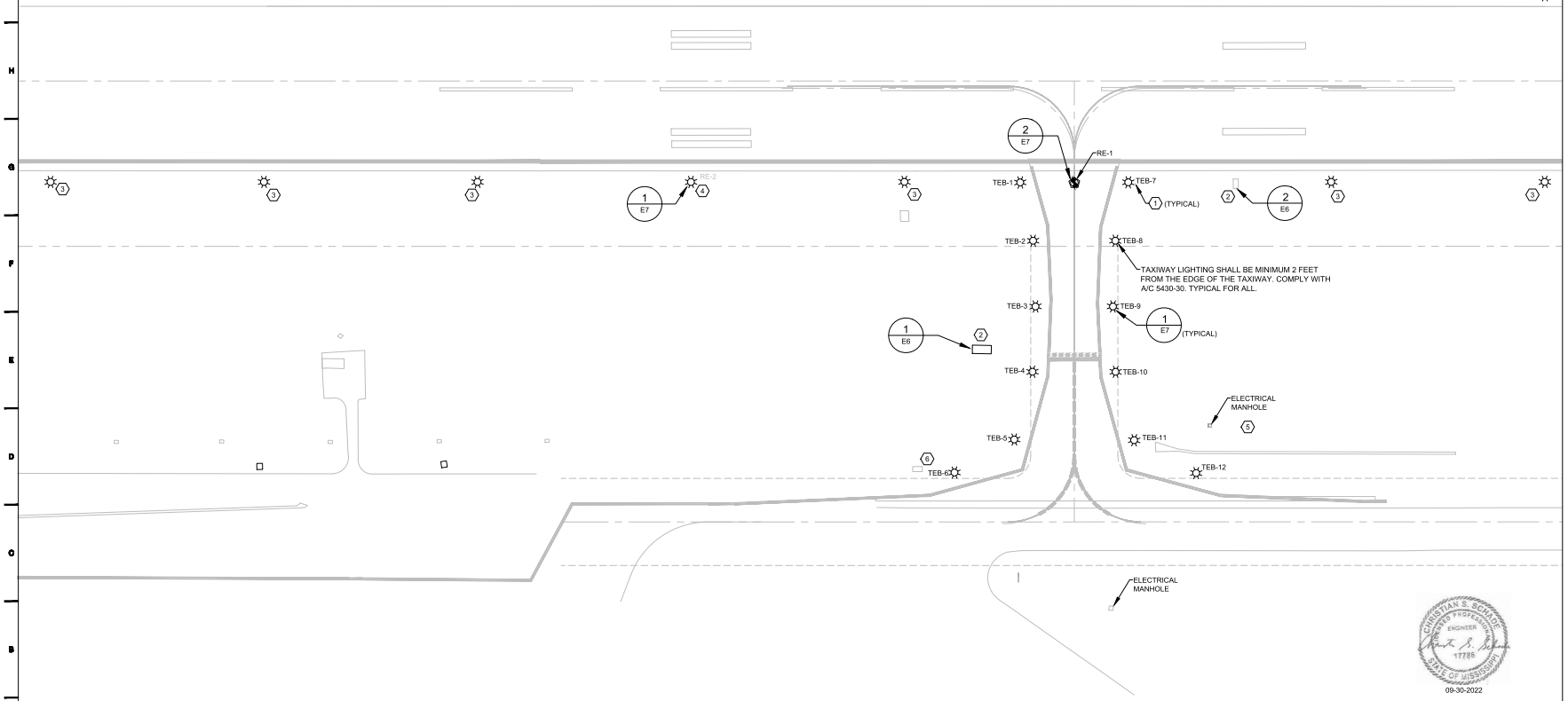
E3

KEY NOTES:

1. EXTEND AND ROUTE EXISTING AIRFIELD LIGHTING CIRCUITS TO NEW TAXIWAY AND RUNWAY EDGE LIGHTING.
2. NEW LOCATION OF EXISTING SIGNS PROVIDE NEW FOUNDATION. INSTALL BASE CAN. EXTEND CONDUIT AND WIRING TO NEW LOCATIONS. SEE SIGN SCHEDULE DRAWING E5.
3. EXISTING RUNWAY EDGE LIGHTS SHALL REMAIN.
4. NEW RUNWAY EDGE LIGHT. EXTEND CONDUIT AND WIRING FROM EXISTING RUNWAY LIGHTING CIRCUIT.
5. EXISTING MANHOLE FOR TAXIWAY AND RUNWAY LIGHTING CIRCUITS. CONTRACTOR SHALL TRACE AND CONFIRM.
6. EXISTING SIGN. SEE ITEM #3 ON SIGN SCHEDULE, DRAWING E5.

GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN FULL COMPLIANCE WITH APPLICABLE FAA ADVISORY CIRCULARS.
2. PRECISE LOCATIONS OF LIGHTING AND SIGNS SHALL BE FIELD DETERMINED.



1 / E4 ELECTRICAL - TAXIWAY BRAVO, RUNWAY 16-34 NEW WORK
SCALE: 1" = 80'-0"

CHRISTIAN S. SCHAFF REGISTERED PROFESSIONAL ENGINEER 17785 STATE OF MISSISSIPPI
09-30-2022

MCA Engineering & Construction BATON ROUGE · NEW ORLEANS

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No.	Revision	Date

TAXIWAY BRAVO RELOCATION
TAXIWAY BRAVO, RUNWAY 16-34
NEW WORK - LIGHTING AND
SIGN REVISIONS

JOB NO: 72327
DATE: 9/30/2022
DRAWN: AG
CHECKED: CS
CAD FILE:

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CONSTRUCTION
DOCUMENTS

E4

LIGHTING FIXTURE SCHEDULE

NUMBER	STATION**	ALONG	OFFSET FROM CENTER LINE	DIRECT-ION	FAA TYPE							BASE		180 DEGREE LENS					360 DEGREE LENS			MOUNTING		LAMP TYPE		WATTAGE			DETAIL DRAWINGS	VENDOR DRAWINGS
					L-804	L-850A	L-850B	L-850C	L-852G	L-861T	L-862	L-867	L-868	WHITE	RED	YELLOW	GREEN	BLUE	WHITE	RED	BLUE	ELEVATED	IN PAVEMENT	INCANDESCENT	LED	48	105	120		
RUNWAY CENTER LINE LIGHTS																														
TEB-1	TBA	TAXIWAY BRAVO								X		X						X				X			X				E7, DETAIL 1	TBA
TEB-2	TBA	TAXIWAY BRAVO								X		X						X				X			X				E7, DETAIL 1	TBA
TEB-3	TBA	TAXIWAY BRAVO								X		X						X				X			X				E7, DETAIL 1	TBA
TEB-4	TBA	TAXIWAY BRAVO								X		X						X				X			X				E7, DETAIL 1	TBA
TEB-5	TBA	TAXIWAY BRAVO								X		X						X				X			X				E7, DETAIL 1	TBA
TEB-6	TBA	TAXIWAY BRAVO								X		X						X				X			X				E7, DETAIL 1	TBA
TEB-7	TBA	TAXIWAY BRAVO								X		X						X				X			X				E7, DETAIL 1	TBA
TEB-8	TBA	TAXIWAY BRAVO								X		X						X				X			X				E7, DETAIL 1	TBA
TEB-9	TBA	TAXIWAY BRAVO								X		X						X				X			X				E7, DETAIL 1	TBA
TEB-10	TBA	TAXIWAY BRAVO								X		X						X				X			X				E7, DETAIL 1	TBA
TEB-11	TBA	TAXIWAY BRAVO								X		X						X				X			X				E7, DETAIL 1	TBA
TEB-12	TBA	TAXIWAY BRAVO								X		X						X				X			X				E7, DETAIL 1	TBA
RUNWAY EDGE LIGHTS																														
RE-1	TBA	RUNWAY 16-34						X					X										X						E7, DETAIL 2	TBA
RE-2	TBA	RUNWAY 16-34								X		X										X							E7, DETAIL 2	TBA

* CONTRACTOR SHALL FIELD VERIFY ONE PIECE OR TWO PIECE BASE INSTALLATION

** STATION LOCATION IS APROXIMATE AND SHALL NOT BE USED FOR PRECISE LOCATIONS. CONTRACTOR SHALL USE SURVEY COORDINATES FROM PAVING/CIVIL PACKAGE.

NOTES: 2. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTOR AND VERIFIED WITH CIVIL PACKAGE.

PROPOSED SIGN SCHEDULE

SIGN NO.	SIGN CONFIGURATION		BACKGROUND COLOR		CHARACTER COLORS		PROPOSED SIGN MODIFICATIONS
	SIDE A	SIDE B	SIDE A	SIDE B	SIDE A	SIDE B	
1	B 16 - 34	←C B	RED-RED-BLK	YEL-BLK-BLK	YEL-WHT-WHT	BLK-YEL	EXISTING SIGN RELOCATED AS SHOWN ON DRAWING. PROVIDE NEW CONCRETE PAD, BASE CANS, AND APPURTENANCES AS SHOWN ON DETAIL.
2	←B		YEL	BLANK	BLACK	BLANK	EXISTING SIGN RELOCATED AS SHOWN ON DRAWING. PROVIDE NEW CONCRETE PAD, BASE CANS, AND APPURTENANCES AS SHOWN ON DETAIL.

CHRISTIAN S. SCHANE, LICENSED PROFESSIONAL ENGINEER, 17785, STATE OF MISSISSIPPI

09-30-2022

MCA Engineering & Construction, BATON ROUGE - NEW ORLEANS

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TAXIWAY BRAVO RELOCATION
HAWKINS FIELD AIRPORT
AIP GRANT #3-28-0038-025-2021

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TAXIWAY BRAVO RELOCATION
LIGHTING FIXTURE SCHEDULE

JOB NO: 72327
DATE: 9/30/2022
DRAWN: AG
CHECKED: CS
CAD FILE:

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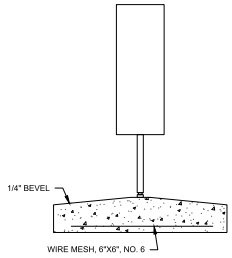
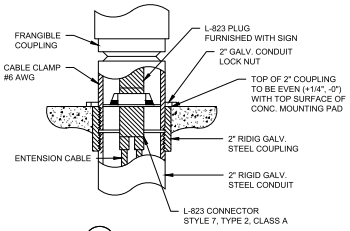
E5

NOTES:

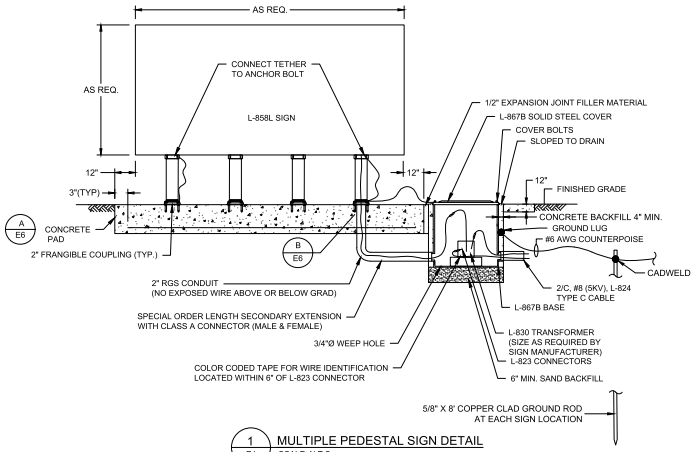
1. SEE SIGN SCHEDULE FOR SIGN LEGEND, LOCATION, TYPE, SIZE AND CLASS.
2. NUMBER AN SPACING OF LEGS AS PER MANUFACTURER'S REQUIREMENTS.
3. PROVIDE 3' MIN. SLACK IN EACH PRIMARY CABLE AND SECONDARY EXTENSION.



A / E6 SIGN ELEVATION

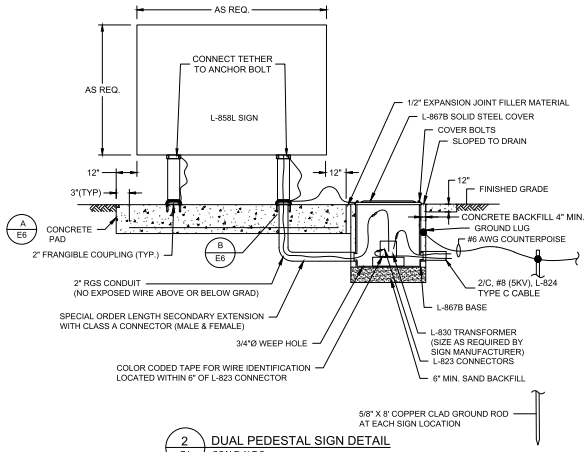


B / E6 ELECTRICAL CONNECTION



1 / E4 MULTIPLE PEDESTAL SIGN DETAIL
SCALE: N.T.S.

NOTE: SEE SIGN #1, PROPOSED SIGN SCHEDULE, DRAWING E5



2 / E4 DUAL PEDESTAL SIGN DETAIL
SCALE: N.T.S.

NOTE: SEE SIGN #2, PROPOSED SIGN SCHEDULE, DRAWING E5

09-30-2022

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BATON ROUGE - NEW ORLEANS

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No.	Revision	Date

TAXIWAY BRAVO RELOCATION
ELECTRICAL DETAILS
TYPICAL BASES

JOB NO: 72327
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CAD FILE:

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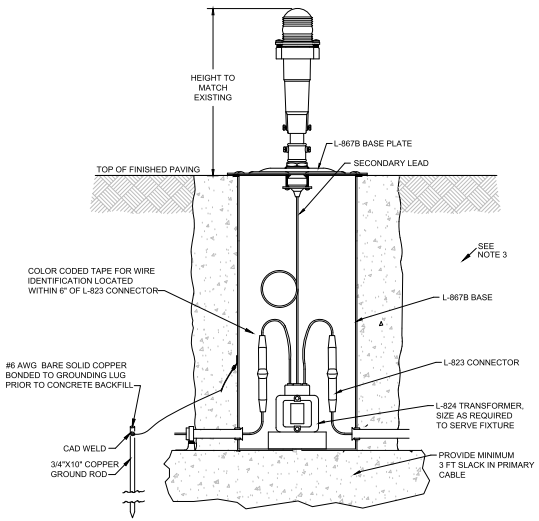
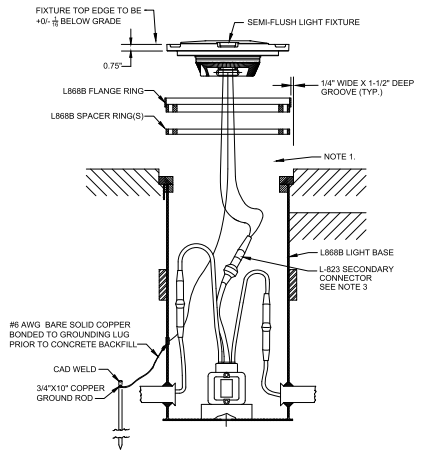
E6



NOTES:

1. NSTALL PER DRAWING E11, DETAILS A AND B AND THE FOLLOWING INSTRUCTION MANUALS:
   1.1. ETES-L - ELEVATED TAXIWAY EDGE LIGHT, MANUAL #96A0321
   1.2. ERET-CB - INCANDESCENT ELEVATED RUNWAY EDGE LIGHT, MANUAL #96A0195.
2. CONTRACTOR SHALL REPLACE ALL LIGHT FIXTURE MOUNTING BOLTS AND ANTI VIBRATION LOCK WASHERS. HARDWARE SHALL NOT BE REUSED.
3. SPLICING OF PRIMARY OR SECONDARY CONDUCTORS SHALL NOT BE ALLOWED.

1 / E7 L-861/862 ELEVATED RUNWAY EDGE LIGHT
SCALE: N.T.S



NOTES:

1. INSTALL PER THE FOLLOWING INSTRUCTION MANUALS:
   1.1. IRGL-L - IN PAVEMENT RUNWAY GUARD LIGHT, MANUAL #96A0401.
   1.2. IREL - IN PAVEMENT RUNWAY EDGE LIGHT, MANUAL #96A0285.
2. LIGHT FIXTURE MOUNTING BOLTS AND ANTI VIBRATION WASHERS SHALL BE INSTALLED. HARDWARE SHALL NOT BE REUSED.
3. SPLICING OF PRIMARY OR SECONDARY CONDUCTORS SHALL NOT BE ALLOWED.

2 / E7 L-850C, RUNWAY THRESHOLD LIGHT
SCALE: N.T.S.

CHRISTIAN S. SCHANK REGISTERED PROFESSIONAL ENGINEER 17785 STATE OF MISSISSIPPI
09-30-2022

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TAXIWAY BRAVO RELOCATION
ELECTRICAL DETAILS
TAXIWAY EDGE LIGHT

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E7