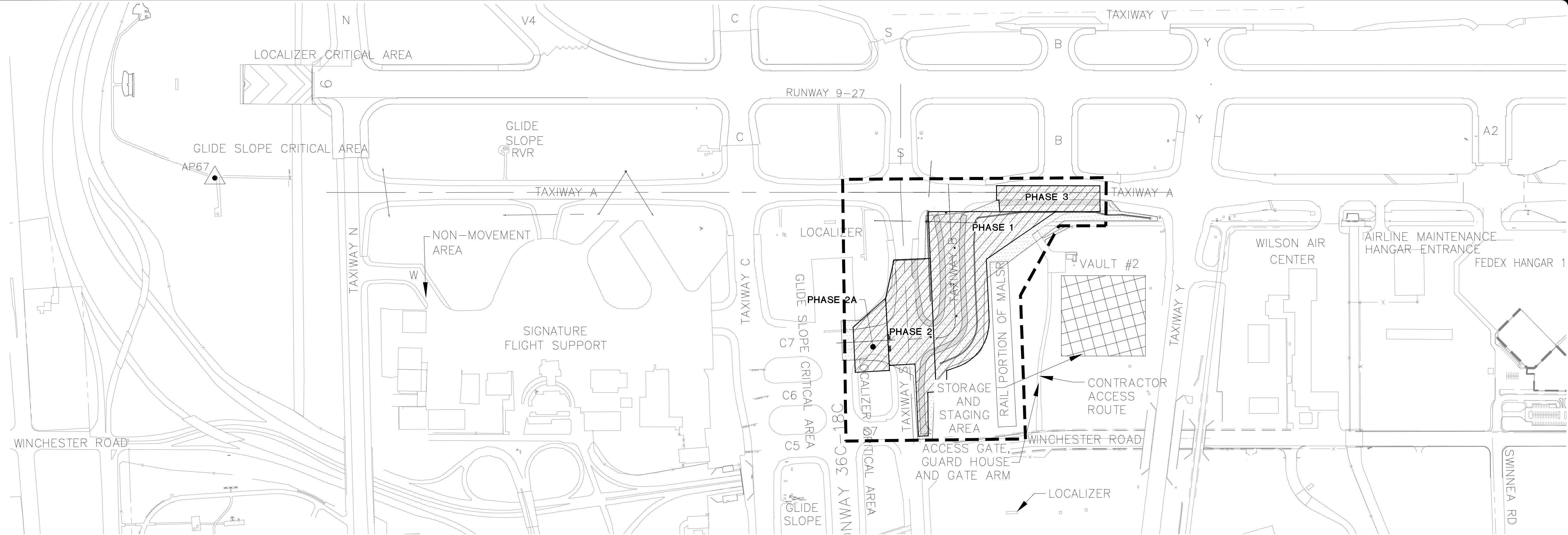


Drawing name: \\Ahmemo3\72198-b\18-1413-02\DRAWINGS\G-PL-05.dwg 22x34 Apr 18, 2025 3:33pm By: nparris



1. THE CONTRACTOR SHALL COMPLY WITH ALL AIRPORT, FEDERAL, STATE AND LOCAL SAFETY REGULATIONS.

2. THE CONTRACTOR SHALL COMPLY WITH ALL CITY, COUNTY AND STATE TRAFFIC REGULATIONS CONCERNING THE USE OF STREETS AND ROADWAYS FOR HAULING. ANY DAMAGE DONE TO THE ROADWAYS DUE TO THE CONTRACTOR'S EQUIPMENT OR HAULING OPERATIONS SHALL BE REPAIRED, TO THE AGENCY'S SATISFACTION, AT NO COST TO THE OWNER.

3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT EXISTING FACILITIES, WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE. ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED BY THE CONTRACTOR, SATISFACTORY TO THE OWNER, AT THE EXPENSE OF THE CONTRACTOR.

4. THE CONTRACTOR IS ADVISED THAT OTHER CONSTRUCTION MAY BE IN PROGRESS DURING ALL OR PART OF THIS PROJECT. THE CONTRACTOR SHALL COORDINATE HIS/HER WORK WITH THE WORK OF OTHER CONTRACTORS ON MEMPHIS AIRPORT PROJECTS. SEE CONTRACT DOCUMENTS FOR OTHER REQUIREMENTS AND PROCEDURES TO BE FOLLOWED DURING CONSTRUCTION.

5. SOME EXISTING UTILITIES HAVE BEEN SHOWN ON THE CONSTRUCTION DRAWINGS FOR THE CONVENIENCE OF THE CONTRACTOR. ONLY PORTIONS OF THE EXISTING RUNWAY AND TAXIWAY LIGHTING DUCTS AND CABLE ARE SHOWN. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR THE PROTECTION OF UTILITIES. THE OWNER AND PROGRAM MANAGER BEAR NO RESPONSIBILITY FOR UTILITIES NOT SHOWN ON THE PLANS OR NOT IN THE LOCATION SHOWN ON THE PLANS. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL CONTACT:

MLGW (ELECTRIC & WATER) PHONE: 1-901-528-4728
CITY OF MEMPHIS (SAN. SEWER) PHONE: 1-901-576-6725
FAA FACILITIES PHONE: 1-901-322-8180
MSCAA AIRFIELD ELECTRICIAN PHONE: 1-901-922-0124
FEDEX PHONE: 1-901-244-6772
AIRPORT OPERATIONS PHONE: 1-901-922-8117

THE CONTRACTOR SHALL CONTACT TENNESSEE ONE-CALL AT 1-800-351-1111 AT LEAST THREE (3) WORKING DAYS PRIOR TO EXCAVATION.

EXCAVATION IN AREAS OF EXISTING UTILITIES SHALL BE DONE BY HAND.

UTILITY LOCATION REQUESTS FOR MSCAA AND FAA FACILITIES ARE TO BE SUBMITTED THROUGH THE PROGRAM MANAGER. (7 DAY MINIMUM NOTICE.)

6. REFER TO THE ELECTRICAL & DEMOLITION DRAWINGS FOR REMOVAL OF EXISTING EDGE LIGHTS, TRANSFORMER CANS AND OTHER ELECTRICAL FACILITIES WITHIN THE WORK AREA.

7. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SURVEYING. ANY DEVIATIONS FROM EXISTING GRADES AS SHOWN ON THE PLANS SHALL BE IMMEDIATELY REPORTED TO THE PROGRAM MANAGER. EXISTING AIRPORT SURVEY MONUMENTS ARE LOCATED THROUGHOUT THE CONSTRUCTION AREA. THE CONTRACTOR SHALL AT HIS EXPENSE, HAVE A TENNESSEE REGISTERED LAND SURVEYOR REPLACE ANY DISTURBED MONUMENT USING FIRST ORDER TECHNIQUES. REPLACED MONUMENTS SHALL BE REPLACED PER MSCAA DETAILS AND SHALL BE PLACED AT LEAST 10', BUT NOT MORE THAN 50' FROM THE ORIGINAL MONUMENT.

8. THE OWNER RESERVES THE RIGHT TO MAKE REVISIONS TO THE FINISHED ELEVATIONS AND GRADIENTS. IF CHANGES ARE NECESSARY, THE OWNER WILL FURNISH A REVISED GRADING OR PAVING PLAN PRIOR TO CONSTRUCTION WITHIN THAT AREA.

9. ALL EXISTING SHOULDER PAVEMENT INTERFACES SHALL BE MILLED, OR AS SHOWN ON DETAILS.

10. ALL PROPOSED STRUCTURES, I.E. STORM DRAIN MANHOLE/DROP INLETS AND ELECTRICAL PULL BOXES WERE DESIGNED, AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STRUCTURAL REQUIREMENTS OF FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULARS, UNLESS OTHERWISE NOTED.

11. THIS PROJECT REQUIRES A MINIMUM SAFETY ZONE OF 250 FEET FROM THE CENTERLINE OF AN ACTIVE RUNWAY AND 107 FEET FROM THE CENTERLINE OF AN ACTIVE TAXIWAY. NO CONSTRUCTION ACTIVITY CAN TAKE PLACE IN THIS SAFETY ZONE WITHOUT PRIOR APPROVAL OF THE OWNER, CLOSURE OF PAVEMENT AND ISSUANCE OF APPROVED NOTAM.

12. REFER TO THE OPERATIONAL PLAN OR PHASING PLAN FOR ACCESS POINTS TO BE USED BY THE CONTRACTOR FOR THIS PROJECT.

13. SPECIFICATIONS ARE PROVIDED WHICH REQUIRE THE CONTRACTOR TO APPLY WATER, CHEMICALS, VEGETATION OR OTHER MATERIALS TO PREVENT THE OCCURRENCE OF DUST WHICH IS OBJECTIONABLE TO THE OPERATIONS OR USERS OF THE AREA. THESE SHALL INCLUDE, BUT ARE NOT LIMITED TO, AIRPORT AUTHORITY OPERATIONS, MAINTENANCE, AIRCRAFT OPERATIONS AND AIRFIELD OPERATIONS. THE CONTRACTOR SHALL ALSO DISCONTINUE OPERATIONS, WHICH VIOLATE EXISTING LAWS AND REGULATIONS OR CREATE AN UNDUE HAZARD TO AIR TRAFFIC. ALL COST FOR CONTROLLING DUST OR POLLUTANTS TO THE AIR OF ANY KIND SHALL BE INCIDENTAL TO THE CONTRACT.

14. THE CONTRACTOR SHALL CONDUCT THE FINAL CLEANING OF AFFECTED AIRPORT PAVEMENTS PRIOR TO REOPENING THE PAVEMENTS TO AIR TRAFFIC. THE CONTRACTOR IS RESPONSIBLE FOR CONTINUOUS DAILY CLEAN UP OF HIS/HER WORK AREA. THE CONTRACTOR SHALL CONDUCT POWER VACUUM AND HAND CLEANING OF AFFECTED AIRPORT PAVEMENTS PRIOR TO REOPENING EACH PHASE OF THE PAVEMENTS TO AIR TRAFFIC. CONTRACTOR SHALL CONDUCT POWER VACUUM AND HAND CLEANING OF ACTIVE TAXIWAYS AND RUNWAYS IMMEDIATELY FOLLOWING ANY ACCESS ONTO OR CROSSING OF THE PAVEMENT BY CONSTRUCTION TRAFFIC.

15. PRIOR TO THE START OF WORK ON THE PROJECT, THE CONTRACTOR SHALL SUBMIT THE FOLLOWING INFORMATION FOR REVIEW BY THE PROGRAM MANAGER:
A. A DETAILED PROGRESS SCHEDULE SHOWING THE PROPOSED SCHEDULE OF WORK.
B. A SAFETY PLAN OUTLINING HOW THE SAFETY NOTES IN THESE PLANS AND SPECIFICATIONS WILL BE FOLLOWED DURING THE COURSE OF THE PROJECT.
C. A COMPLETE LIST OF EQUIPMENT AND PERSONNEL TO BE USED INCLUDING STANDBY EQUIPMENT.

16. THE CONTRACTOR IS REQUIRED TO PROVIDE LIGHTING FOR CONSTRUCTION DURING THE HOURS OF DARKNESS AS REQUIRED BY THE SPECIFICATIONS. COSTS FOR LIGHTING SHALL BE INCIDENTAL TO THE CONTRACT.

17. THE CONTRACTOR IS ADVISED THAT FAILURE TO COMPLETE WORK IN THE ALLOTTED TIME, INCLUDING INTERMEDIATE MILESTONES AND TOTAL PROJECT TIME, WILL RESULT IN THE ASSESSMENT OF LIQUIDATED DAMAGES. SEE SPECIAL CONDITION SPECIFICATION SECTION 01100.

18. THE EXACT LIMITS, LIGHTING AND SECURITY REQUIREMENTS OF THE CONTRACTOR'S STAGING AND STORAGE AREA SHALL BE ESTABLISHED BY THE CONTRACTOR WITH THE APPROVAL OF THE PROGRAM MANAGER IN THE GENERAL AREAS SHOWN ON THE PLANS. ANY AND ALL REQUIRED UTILITIES FOR THE CONTRACTOR'S OPERATIONS SHALL BE ARRANGED FOR AND PAID FOR BY THE CONTRACTOR DIRECTLY WITH THE APPROPRIATE UTILITY. UTILITY ARRANGEMENTS SHALL BE SUBJECT TO THE APPROVAL OF THE PROGRAM MANAGER. THE CONTRACTOR SHALL USE THE STORAGE AND STAGING AREA SHOWN ON THE PLANS FOR HIS/HER SHOP, MATERIAL AND EQUIPMENT STORAGE AND OTHER PROJECT RELATED ACTIVITIES, INCLUDING EMPLOYEE PARKING. ALL COSTS ASSOCIATED WITH PREPARING THE STORAGE AND STAGING AREA SITE SHALL BE BORNE BY THE CONTRACTOR PER SPEC P-140. THIS INCLUDES BUT IS NOT LIMITED TO, CLEARING AND GRADING OF THE SITE, CONSTRUCTION OF ALL TEMPORARY UTILITIES, ACCESS ROADS, ALL SECURITY FENCING, CLEAN-UP AND RESTORATION OF SITE TO ORIGINAL CONDITION.

19. THE AREA OF WORK SHOWN ABOVE IS INTENDED TO BE AN APPROXIMATE GRAPHICAL REPRESENTATION ONLY.

20. SEE SHEET G-PH-12 FOR CONTRACTOR ACCESS ROUTES.

21. SEE SHEET G-HZ-06 FOR AIRPORT CONTROL POINTS AND SURVEY BENCHMARKS.
- LEGEND

CONTROL POINTS (SEE SHEET G-HZ-06)

PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT (FULL STRENGTH) P-501

PROPOSED ASPHALTIC CONCRETE PAVEMENT S-401

STORAGE AND STAGING AREA

APPROXIMATE PROJECT LIMITS

AP67
-
- MEMPHIS - SHELBY COUNTY AIRPORT AUTHORITY

MEMPHIS INTERNATIONAL AIRPORT
2491 WINCHESTER RD., SUITE 113
MEMPHIS, TENNESSEE
38116-3856

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RNP

CHECKED BY:
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APPROVED BY:
TG

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ISSUED FOR BID

NO.	DESCRIPTION	DATE	BY
REVISIONS			

PROJECT:

TAXIWAY BRAVO RECONFIGURATION (HOT SPOT 1)

SHEET TITLE:

PROJECT LAYOUT PLAN AND GENERAL NOTES

MSCAA NO. 18-1413-02

DWG. FILE NAME: G-PL-05.DWG

DATE: 03/17/2025

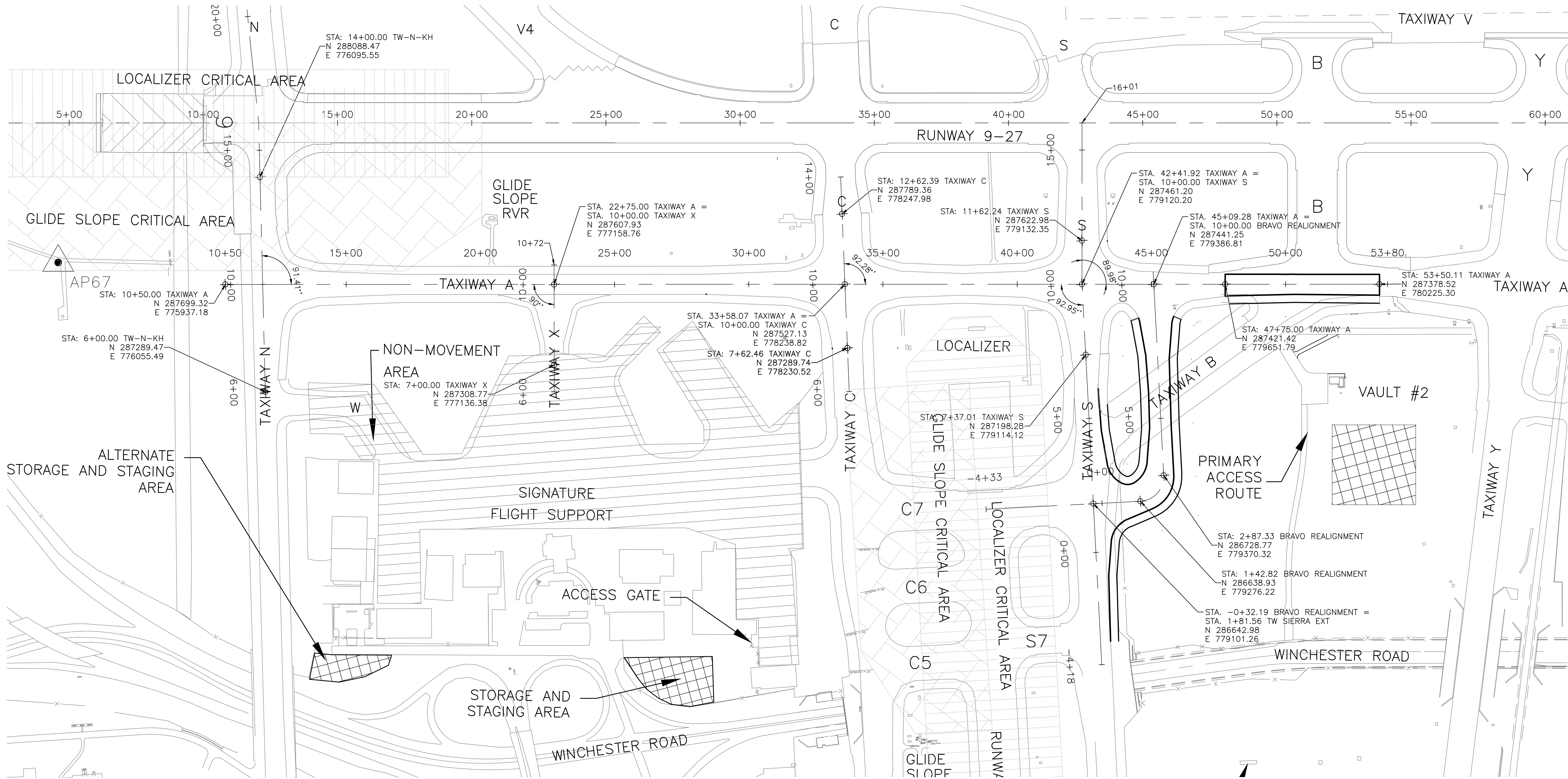
DWG NO. G-PL-05

SCALE

SHEET NO.

FACILITY NO. NONE

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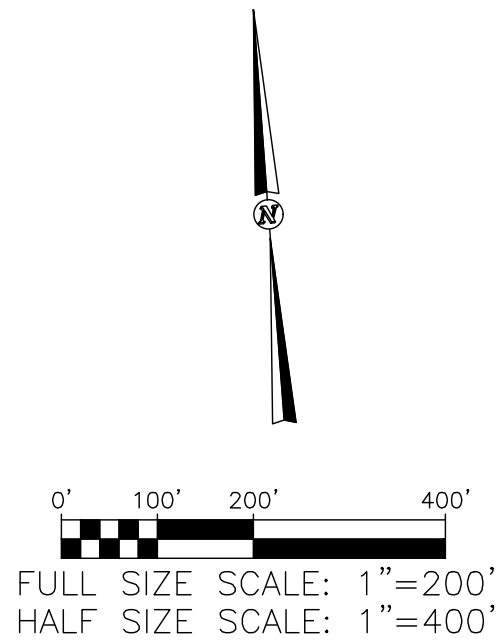


PROJECT CONTROL POINTS
AND SURVEY BENCHMARKS

CPT NO.	COORDINATES		ELEV.	DESCRIPTION
	NORTH	EAST		
△AP67	287826.47	775321.87	253.29	ALUM. SURV. DISK "MSCAA PRIMARY CONTROL PNT. 67"

CONTROL POINT NOTES:

- THESE VALUES ARE BASED ON GPS OBSERVATIONS SPECIFIC TO THIS PROJECT AND DIFFER FROM THE MSCAA PUBLISHED VALUES DATED MAY 2008.
- THE VALUES SHOWN ABOVE WERE USED FOR THIS DESIGN PROJECT AND ARE RELATIVE TO ANY/ALL COORDINATES OR BEARINGS SHOWN HEREIN.
- COORDINATES ARE TENNESSEE STATE PLANE, NAD 83



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NO.	DESCRIPTION	DATE	BY

PROJECT:
**TAXIWAY BRAVO
RECONFIGURATION
(HOT SPOT 1)**

SHEET TITLE:
**PROJECT
HORIZONTAL AND
VERTICAL
CONTROL**

MSCAA NO. 18-1413-02
DWG. FILE NAME G-HZ-06.DWG
DATE 03/17/2025 DWG NO. G-HZ-06
SCALE SHEET NO.
FACILITY NO. NONE

Drawing name: L:\18-1413-02\DRAWINGS\G-SP-07.dwg 22x34 May 19, 2025 3:41pm By: tlgbson

OPERATIONAL NOTES

1.

ALL OF THE CONTRACTOR’S MOVEMENTS AND ACTIVITIES WITHIN THE AIRPORT PROPERTY SHALL BE CLOSELY COORDINATED WITH THE PROGRAM MANAGER AND SHALL BE IN COMPLIANCE WITH THE PROVISIONS OF THE CONTRACT DOCUMENTS AND FAA ADVISORY CIRCULAR 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION". NO WORK WILL BE ALLOWED WITHIN TAXIWAY AND RUNWAY SAFETY CONSTRUCTION AREAS, WHICH ARE DESIGNATED AS AREAS, WITHIN 142.5’ OF CENTERLINE OF ANY TAXIWAY AND WITHIN 250’ OF CENTERLINE OF ANY RUNWAY, UNLESS FULLY COORDINATED WITH THE PROGRAM MANAGER AND/OR UNLESS THE AFFECTED FACILITY OR PAVEMENT HAS BEEN CLOSED TO AIRCRAFT. 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 PROGRAM MANAGER DETERMINES THAT THE WORK REQUIRES THE MOVEMENT. THIS WORK SHALL BE APPROVED BY THE PROGRAM MANAGER AND A NOTAM ISSUED.
2.

SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS AS PER PHASING PLAN. CONFINE MEN, EQUIPMENT AND MATERIALS OUTSIDE OF OBJECT FREE AREA (OFA) WHEN A TAXIWAY OR RUNWAY IS ACTIVE. SEE THE SPECIFICATIONS FOR SPECIAL CONDITIONS AND FOR OTHER CONDITIONS RELATING TO SAFETY.
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. THE CONTRACTOR SHALL PROVIDE (CONTRACTOR FURNISHED) SECURITY GUARD HOUSES EQUIPPED WITH POWER, AIR CONDITIONING AND HEAT FOR SECURITY PERSONNEL. THE CONTRACTOR SHALL COORDINATE WITH MSCAA SECURITY TO PROVIDE SECURITY PERSONNEL TO CONTROL MOVEMENTS THROUGH THE CONTRACTOR’S ACCESS GATE UNLESS THE GATE REMAINS LOCKED. NO CONTRACTOR PERSONNEL OR EQUIPMENT WILL BE PERMITTED TO CROSS ANY ACTIVE TAXIWAY OR RUNWAY WITHOUT AN OWNER PROVIDED ESCORT OR APPROVAL OF THE GATE GUARD. GATE GUARDS WILL BE PROVIDED BY MSCAA. THE CONTRACTOR WILL PROVIDE A PORTABLE TOILET FACILITY FOR THE EXCLUSIVE USE OF THE GATE GUARD AT NO ADDITIONAL COST TO 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 PROGRAM 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.

IN ORDER FOR THE CONTRACTOR TO OPERATE WITHIN AIRPORT PROPERTY, APPROPRIATE NOTICES TO AIRMEN (NOTAMS) MUST BE ISSUED BY THE OWNER. 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 PROGRAM MANAGER FOR NOTAM ISSUANCE.

7.

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.
8.

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 SUBMIT A 7460-1 OBSTRUCTION EVALUATION TO THE FAA. MSCAA CAN ASSIST WITH 7460-1 SUBMISSION. CONTRACTOR WILL FOLLOW PARAMETERS AS STUDIED AND DETERMINED FROM THE 7460 AIRSPACE STUDY. A NOTAM MUST BE ISSUED BEFORE ANY PENETRATION OCCURS.

GENERAL NOTES

1.

CONTRACTOR MUST HAVE CLASS III DRIVER ESCORT AT ALL TIMES IN THE WORK AREA DURING CONSTRUCTION. THIS IS TO ENSURE SOMEONE ON THE WORK AREA (EVEN IF CLOSED PAVEMENT) IS FULLY AWARE OF ALL AOA REQUIREMENTS THAT A CLASS II DRIVER WOULDN’T KNOW.
2.

CONTRACTOR MUST HAVE SAFETY MEETING EVERY MORNING THAT SPECIFICALLY GOES OVER PAVEMENT CLOSURES AND WORK AREAS PRIOR TO STARTING WORK. DAILY CLOSURE AND WORK PLAN MUST BE PROVIDED TO THE PROGRAM MANAGER.

BARRICADE NOTES

1.

THE CONTRACTOR SHALL PROVIDE LOW PROFILE BARRICADES ALONG TAXIWAY EDGES WHEREVER OPEN EXCAVATIONS OR IRREGULAR GRADES ARE LEFT WITHIN THE SAFETY AREA OF AN ACTIVE RUNWAY OR TAXIWAY OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE LINKED TOGETHER OR PLACED AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACCESS TO A CLOSED RUNWAY OR TAXIWAY. ALL TYPE I BARRICADES SHALL BECOME THE PROPERTY OF THE OWNER AND SHALL BE STOCKPILED FOR THE OWNER’S USE AT A LOCATION ON AIRPORT PROPERTY DESIGNATED BY OWNER AFTER COMPLETION OF THE PROJECT. ALL COSTS ASSOCIATED WITH THESE ITEMS ARE INCIDENTAL TO THE WORK INVOLVED.
2.

BARRICADES SHALL BE PLACED AS SHOWN ON THE OPERATIONAL PLAN SHEETS G-SP-08 THROUGH G-SP-10 TO DELINEATE THE CONTRACTORS WORK AREAS.
3.

BARRICADES SHALL BE AS SHOWN ON DETAILS, SHEET G-PH-09. ALL INCIDENTAL CONNECTORS, SPACERS, SPLICE PLATES, ETC., SHALL BE PAINTED WHITE.
4.

ALL BARRICADES SHALL BE CHECKED VISUALLY FOR SIGNS OF WEAR AND TEAR ON A WEEKLY BASIS AND SHALL BE REPAINTED 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.
5.

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.
6.

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 PROGRAM MANAGER.
7.

THE FINAL LOCATION FOR THE BARRICADES SHALL BE ESTABLISHED IN THE FIELD WITH CONCURRENCE FROM AIRPORT OPERATIONS AND THE PROGRAM MANAGER.
8.

BARRICADES SHALL BE PAID FOR UNDER ITEM S-100-3.3. PLACEMENT, MAINTENANCE AND SUBSEQUENT RELOCATION AND REMOVAL OF THE BARRICADES SHALL BE INCIDENTAL TO THE ITEM.
9.

THE CONTRACTOR SHALL HAVE REPLACEMENT LIGHTS ON SITE AND SHALL REPLACE LIGHTS WITHIN ONE HOUR OF NOTIFICATION BY THE PROGRAM 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.
10.

BARRICADES SHALL BE PLACED SO THAT LIGHTS ARE ALTERNATING FLASHING AND STEADY.

REOPENING OF A CLOSED SURFACE

1.

PRIOR TO THE COMPLETION OF ANY PHASE, ALL TAXIWAY SURFACES TO BE REOPENED AT THE COMPLETION OF THE PHASE SHALL BE SWEEPED AND VACUUMED CLEAN. ALL WORK SHALL BE COMPLETE AND ACCEPTED BY THE PROGRAM 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 PROGRAM MANAGER, AN INSPECTION BY AIRPORT OPERATIONS. A FOUR HOUR NOTICE MUST BE GIVEN FOR EXTENDED CLOSURES 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.

MEMPHIS - SHELBY COUNTY AIRPORT AUTHORITY

MEMPHIS INTERNATIONAL AIRPORT
2491 WINCHESTER RD., SUITE 113
MEMPHIS, TENNESSEE
38116-3856

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NO.	DESCRIPTION	DATE	BY
REVISIONS			

PROJECT:

TAXIWAY BRAVO RECONFIGURATION (HOT SPOT 1)

SHEET TITLE:

OPERATIONAL NOTES

MSCAA NO. 18-1413-02

DWG. FILE NAME G-SP-07.DWG

DATE 03/17/2025

DWG NO.

SCALE

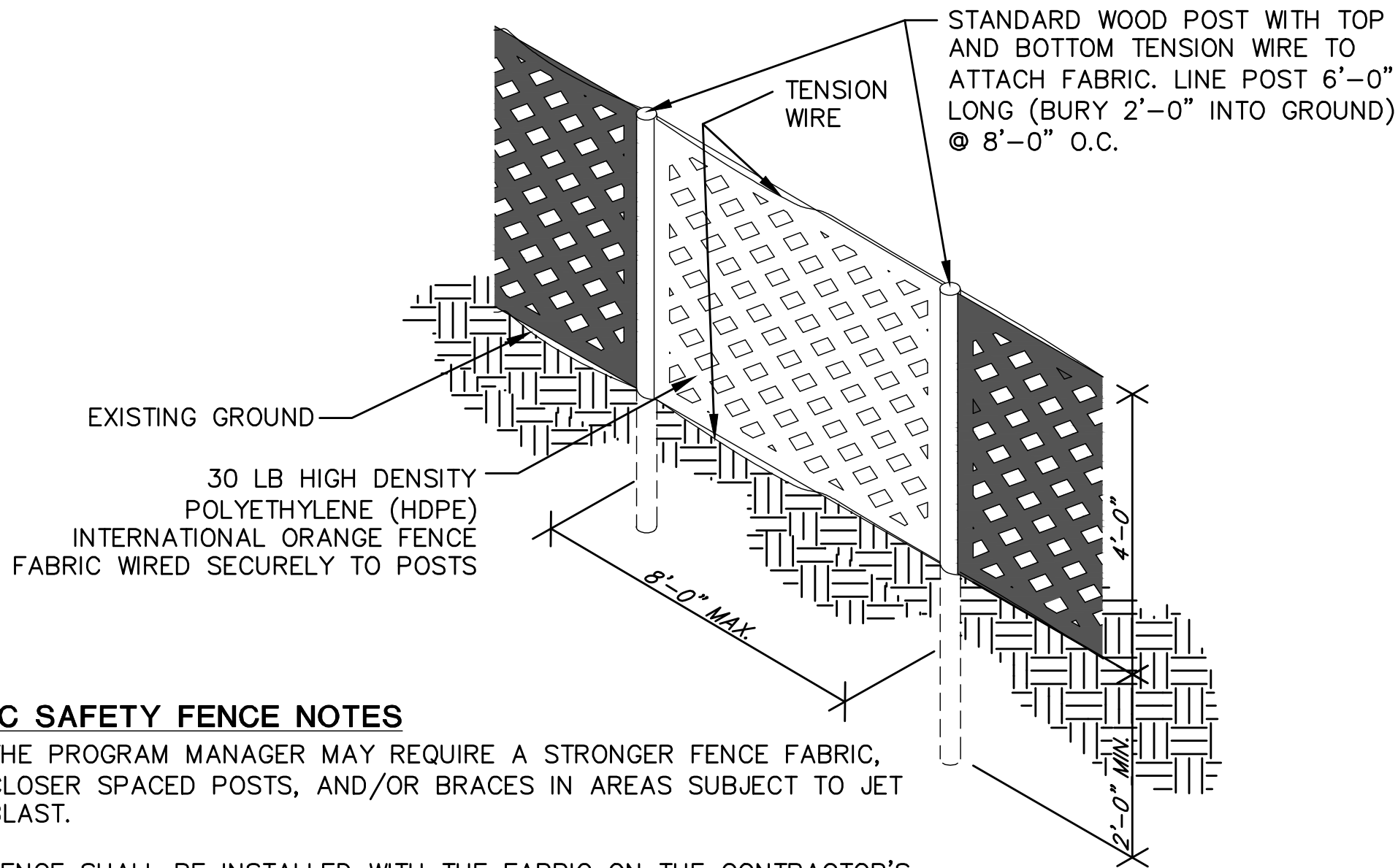
G-SP-07

FACILITY NO. NONE

SHEET NO.

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PLASTIC SAFETY FENCE NOTES

1. THE PROGRAM MANAGER MAY REQUIRE A STRONGER FENCE FABRIC, CLOSER SPACED POSTS, AND/OR BRACES IN AREAS SUBJECT TO JET BLAST.
2. FENCE SHALL BE INSTALLED WITH THE FABRIC ON THE CONTRACTOR'S WORK AREA SIDE OF THE POST, AND NOT ON THE AOA SIDE.
3. AT PROJECT COMPLETION, ALL FENCE POSTS AND FABRIC SHALL BE REMOVED FROM AIRPORT PROPERTY AND SHALL REMAIN THE PROPERTY OF CONTRACTOR.
4. CONTRACTOR SHALL INSPECT AND MAINTAIN THE FENCE DAILY, OR MORE OFTEN, IF WEATHER OR OTHER CONDITIONS DICTATE.
5. CONTRACTOR SHALL CUT OR MAINTAIN VEGETATIVE GROWTH ON BOTH SIDES OF THE FENCE TO THE SATISFACTION OF THE PROGRAM MANAGER.

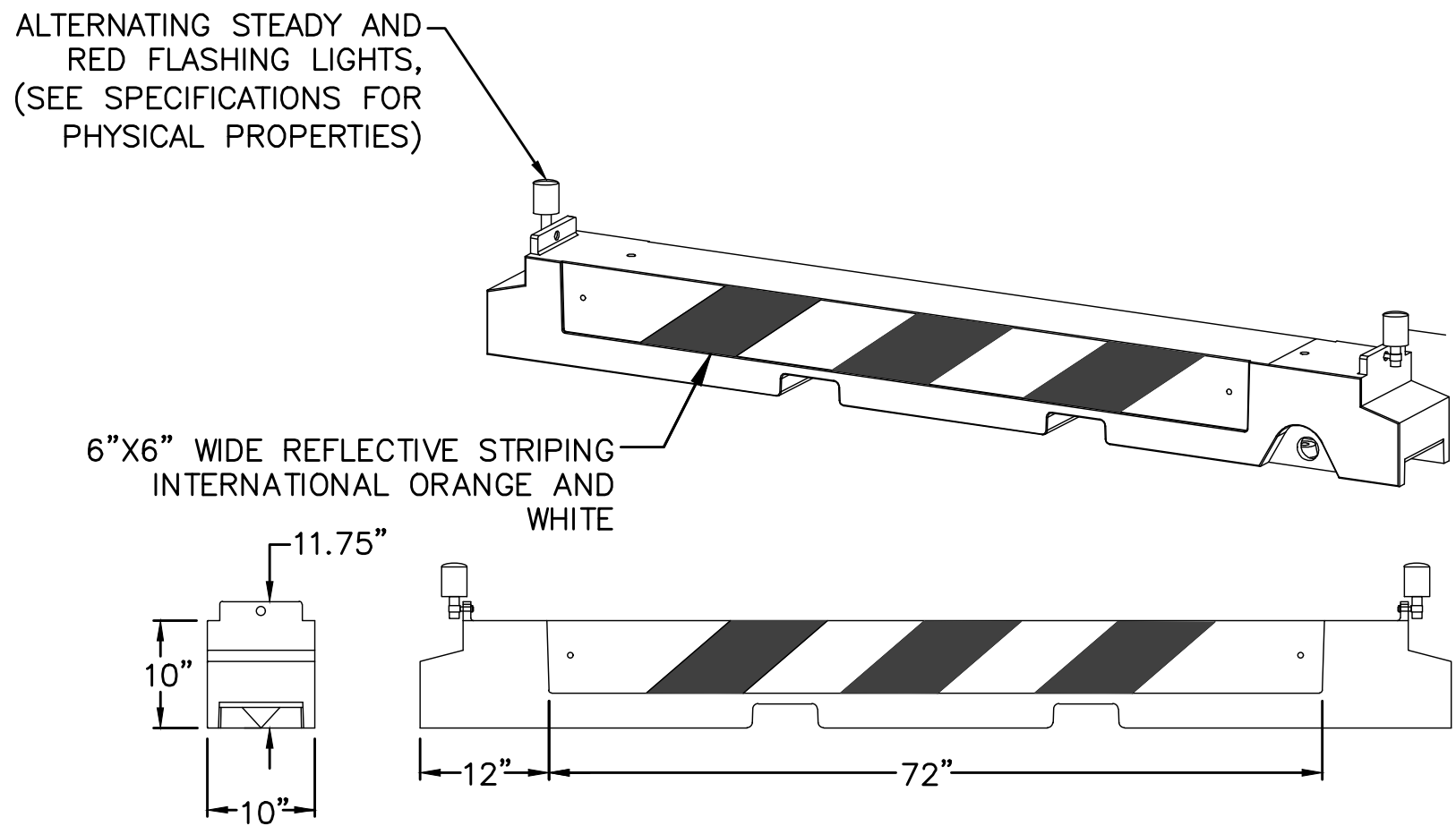
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PLASTIC SAFETY FENCE

G-PH-11

PAY ITEM #S-100-3.1

N.T.S.



BARRICADE NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PROPER POSITIONING OF ALL BARRICADES.
2. SANDBAGS AND/OR ANCHORS MAY BE REQUIRED TO HOLD THE BARRICADES IN PLACE WHERE EXPOSED TO JET BLAST. SANDBAGS AND ANCHORS ARE INCIDENTAL TO THE ITEM.
3. BARRICADES SHALL BE PLACED ON 10' CENTERS. EXCEPT AT CENTERLINES WHERE TWO-WAY TRAFFIC SHALL BE PERMITTED.
4. CONTRACTOR SHALL HAVE REPLACEMENT LIGHTS ON-SITE AND SHALL REPLACE LIGHTS WITHIN ONE HOUR OF NOTIFICATION BY THE PROGRAM MANAGER OR AIRPORT PERSONNEL. CONTRACTOR SHALL PROVIDE THE NAME AND TELEPHONE NUMBER OF AN ON-CALL REPRESENTATIVE WHO IS AVAILABLE 24 HOURS PER DAY, SEVEN DAYS PER WEEK AND CAN REPLACE INOPERATIVE LIGHTS.
5. BARRICADE LOCATIONS SHALL BE COORDINATED WITH THE PROGRAM MANAGER.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND SECURELY FASTENING FLAGS TO ALL BARRICADES.
7. ALL BARRIERS SHALL BE CHECKED VISUALLY FOR SIGNS OF WEAR AND TEAR ON A WEEKLY BASIS AND REPLACED OR CLEANED AS NEEDED.
8. NO PART OF THE BARRIER SHALL EXCEED 24" IN HEIGHT FROM THE PAVEMENT.
9. MULTIPLE INSTALLATIONS AND REMOVALS MAY BE REQUIRED. CONTRACTOR WILL BE PAID FOR ONLY THE INITIAL INSTALLATION.

2

LOW PROFILE BARRICADE (TYPE 1)

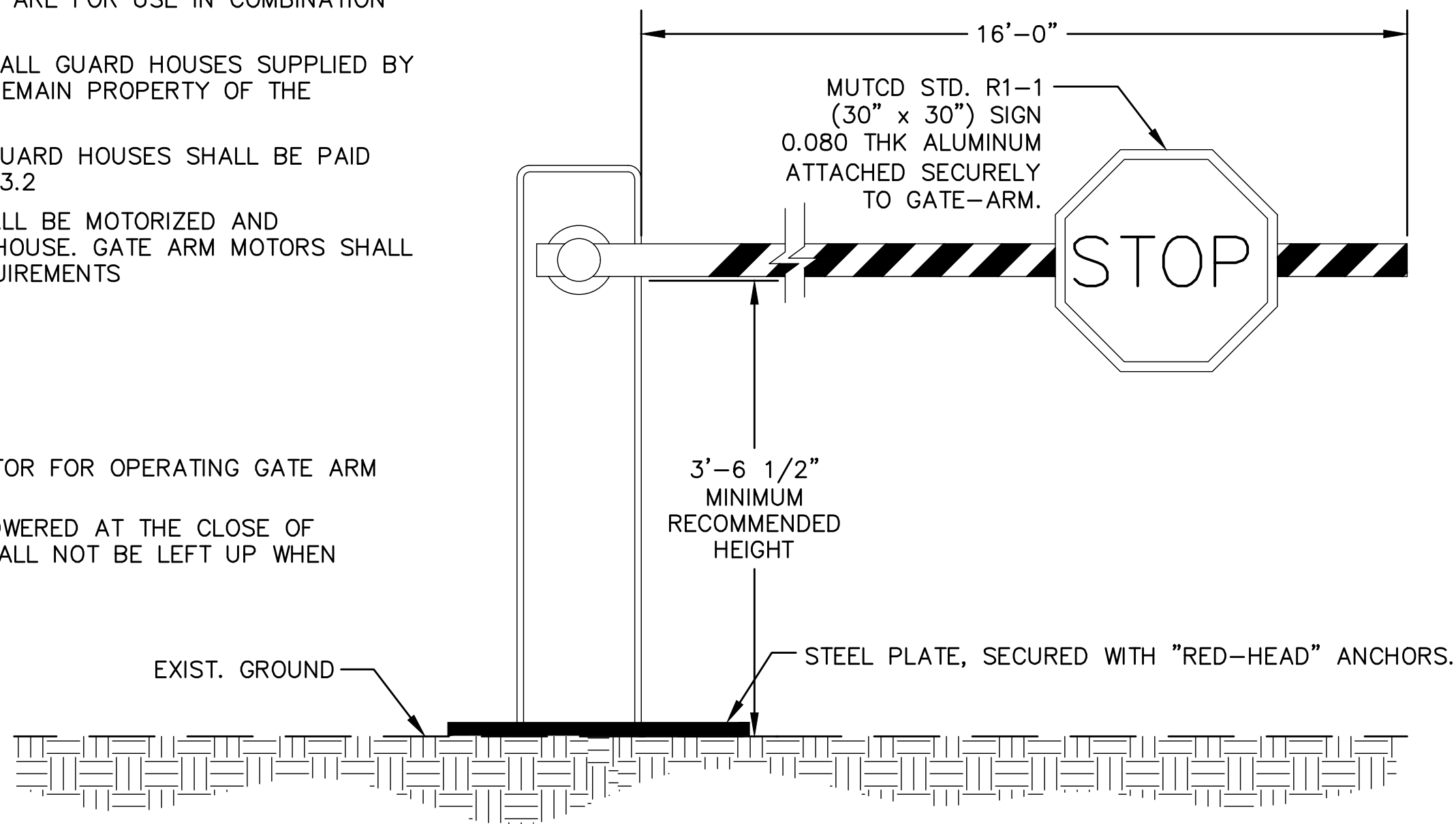
G-PH-11

PAY ITEM #S-100-3.3 (CONTRACTOR FURNISHED)

N.T.S.

GUARD HOUSE AND CROSSING GATE ARM NOTES:

1. AT PROJECT COMPLETION, ALL CROSSING GATE ARMS SUPPLIED BY THE CONTRACTOR SHALL REMAIN PROPERTY OF THE CONTRACTOR.
2. THE CROSSING GATE ARMS ARE FOR USE IN COMBINATION WITH A GUARD HOUSE.
3. AT PROJECT COMPLETION, ALL GUARD HOUSES SUPPLIED BY THE CONTRACTOR SHALL REMAIN PROPERTY OF THE CONTRACTOR.
4. CONTRACTOR FURNISHED GUARD HOUSES SHALL BE PAID FOR UNDER ITEM #S-100-3.2
5. CROSSING GATE ARMS SHALL BE MOTORIZED AND CONTROLLED FROM GUARDHOUSE. GATE ARM MOTORS SHALL MEET THE FOLLOWING REQUIREMENTS
 - 5.1. 1/3 HO
 - 5.2. 115 VAC
 - 5.3. 60 HZ
 - 5.4. SINGLE PHASE
 - 5.5. INSTANT REVERSING
 - 5.6. CONTINUOUS DUTY MOTOR FOR OPERATING GATE ARM
6. GATE ARMS ARE TO BE LOWERED AT THE CLOSE OF BUSINESS DAILY. ARMS SHALL NOT BE LEFT UP WHEN UNATTENDED



3

CROSSING GATE ARM DETAIL

G-PH-11

PAY ITEM #S-100-3.7 (CONTRACTOR FURNISHED)

N.T.S.



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ISSUED FOR BID

NO.	DESCRIPTION	DATE	BY
REVISIONS			

PROJECT:

TAXIWAY BRAVO RECONFIGURATION (HOT SPOT 1)

SHEET TITLE:

DETAILS AND NOTES

MSCAA NO. 18-1413-02
DWG. FILE NAME G-PH-11.DWG
DATE 03/17/2025 DWG NO. G-PH-11
SCALE SHEET NO.
FACILITY NO. NONE

Drawing name: L:\18-1413-02\DRAWINGS\G-PH-14.dwg 22x34 May 19, 2025 5:28pm By: tglbson

PHASING NOTES

1. PHASE 2 GENERALLY CONSISTS OF CONSTRUCTION OF THE TAXIWAY SIERRA WIDENING AND FILLET CONSTRUCTION THAT EXTENDS TO THE NORTH AND SOUTH AT THE BRAVO INTERSECTION. PHASE 2 CONSISTS OF PAINTING AND ELECTRICAL WORK TO TOP-SET IN-PAVEMENT LIGHTING CANS AND CONDUIT KERFS FOR RELOCATED HOLD AND GUARD LIGHTS. AS WELL AS RELOCATED CENTERLINE RADIUS LIGHTS AND STRIPING.
2. PHASE 2A CONSISTS OF WORK WITHIN 18C RUNWAY SAFETY AREA AND INCLUDES STRIPING AND ELECTRICAL WORK. THIS WORK WILL BE PERFORMED DURING DAILY RUNWAY CLOSURES (AT LEAST 3 DAYS/WEEK + WEEKENDS) AS ALLOWED AND COORDINATED WITH MEM OPS. ALL EQUIPMENT WILL NEED TO BE REMOVED DAILY.
3. TAXIWAY SIERRA, AS WELL AS OLD/NEW TAXIWAY BRAVO, WILL BE CLOSED DURING THIS PHASE. TAXIWAY ALPHA WILL REMAIN OPEN TO AIRCRAFT TRAFFIC DURING THIS PHASE.
4. CONTRACTOR TO PROTECT ALL ITEMS NOT DESIGNATED FOR REMOVAL.
5. TAXIWAY GUIDANCE SIGNS SHALL BE OBSCURED AND RESTORED FOR PHASE CONSTRUCTION AS REQUIRED BY PROGRAM MANAGER. NO SEPARATE PAYMENT SHALL BE MADE.

PHASE DURATIONS

PHASE 2 – NTP TO COMPLETION 90 CALENDAR DAYS.

PHASE 2A – CONCURRENT PHASE WITHIN PHASE 2 THAT WILL BE COMPLETED ENTIRELY WITHIN THE TIME LIMITS OF PHASE 2. THIS WORK WILL BE PERFORMED DURING DAILY RUNWAY CLOSURES..THE HOURS OF CLOSURES WILL GENERALLY BE 0700-1430, 3 DAYS PER WEEK AND WEEKENDS CONCURRENT WITH ADJACENT PHASE.

0' 150' 300' 600'
FULL SIZE SCALE: 1"=300'
HALF SIZE SCALE: 1"=600'

LEGEND

- CONSTRUCTION AREA
- STAGING AREA
- TYPE I BARRICADES
- PLASTIC SAFETY FENCE
- HAUL ROUTE
- GUARD HOUSE



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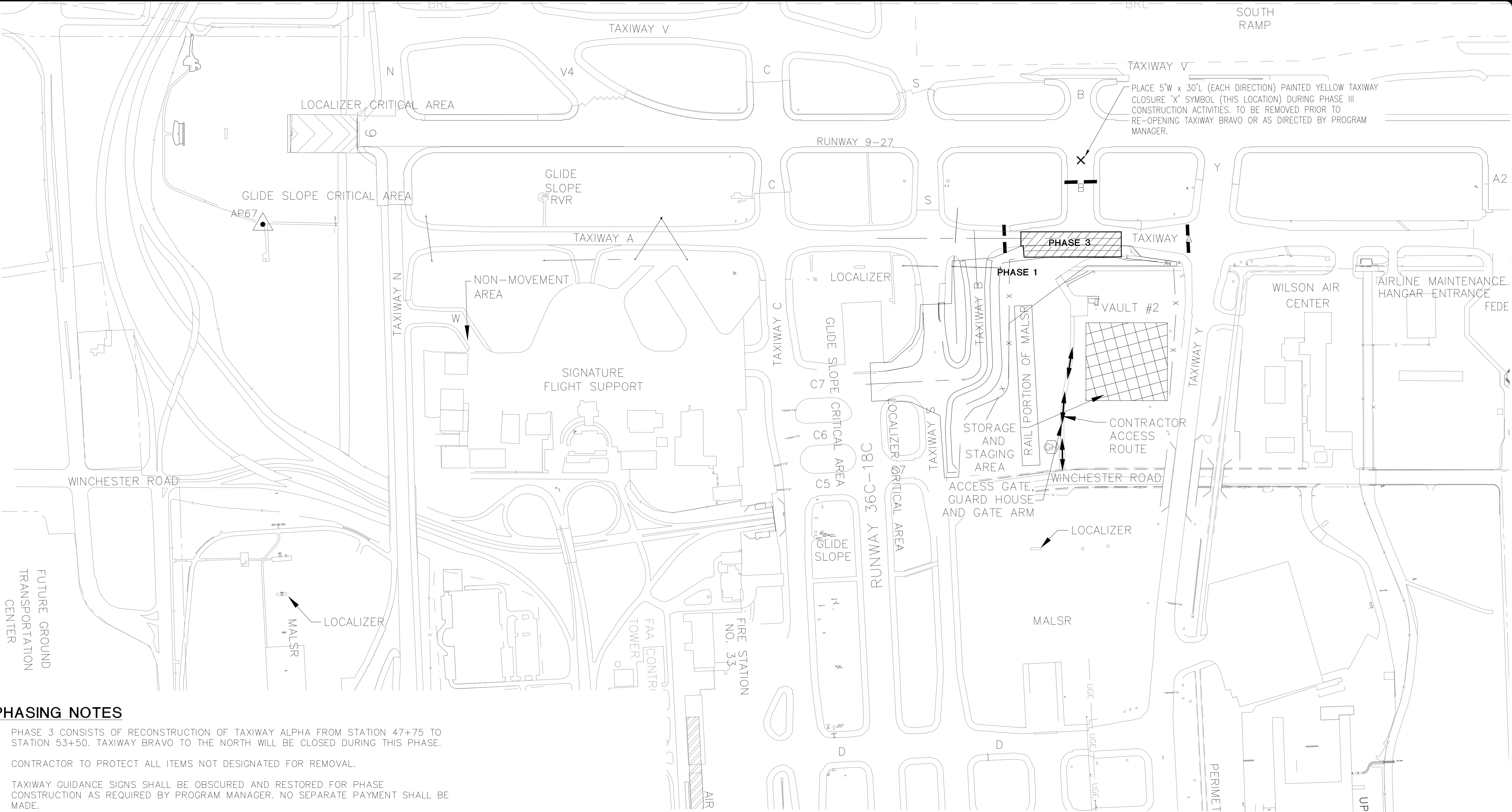
NO.	DESCRIPTION	DATE	BY

PROJECT:
TAXIWAY BRAVO RECONFIGURATION (HOT SPOT 1)

SHEET TITLE:
PHASING PLAN PHASE 2

MSCAA NO. 18-1413-02
DWG. FILE NAME: G-PH-14.DWG
DATE: 03/17/2025
SCALE: SCALE
FACILITY NO. NONE
DWG NO. G-PH-14
SHEET NO.

Drawing name: L:\18-1413-02\DRAWINGS\G-PH-15.dwg 22x34 May 19, 2025 5:32pm by: tglbson

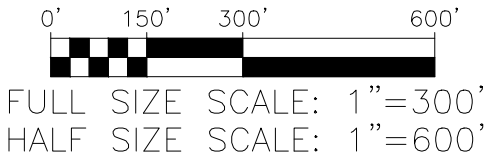


PHASING NOTES

1. PHASE 3 CONSISTS OF RECONSTRUCTION OF TAXIWAY ALPHA FROM STATION 47+75 TO STATION 53+50. TAXIWAY BRAVO TO THE NORTH WILL BE CLOSED DURING THIS PHASE.
2. CONTRACTOR TO PROTECT ALL ITEMS NOT DESIGNATED FOR REMOVAL.
3. TAXIWAY GUIDANCE SIGNS SHALL BE OBSCURED AND RESTORED FOR PHASE CONSTRUCTION AS REQUIRED BY PROGRAM MANAGER. NO SEPARATE PAYMENT SHALL BE MADE.

PHASE DURATIONS

PHASE 3 – NTP TO COMPLETION 60 CALENDAR DAYS..



LEGEND

CONSTRUCTION AREA

STAGING AREA

TYPE I BARRICADES

PLASTIC SAFETY FENCE

HAUL ROUTE

GUARD HOUSE

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NO.	DESCRIPTION	DATE	BY

PROJECT:

TAXIWAY BRAVO RECONFIGURATION (HOT SPOT 1)

SHEET TITLE:

PHASING PLAN PHASE 3

MSCAA NO.

18-1413-02

DWG. FILE NAME

G-PH-15.DWG

DATE

03/17/2025

DWG NO.

G-PH-15

SCALE

SHEET NO.

FACILITY NO.

NONE