

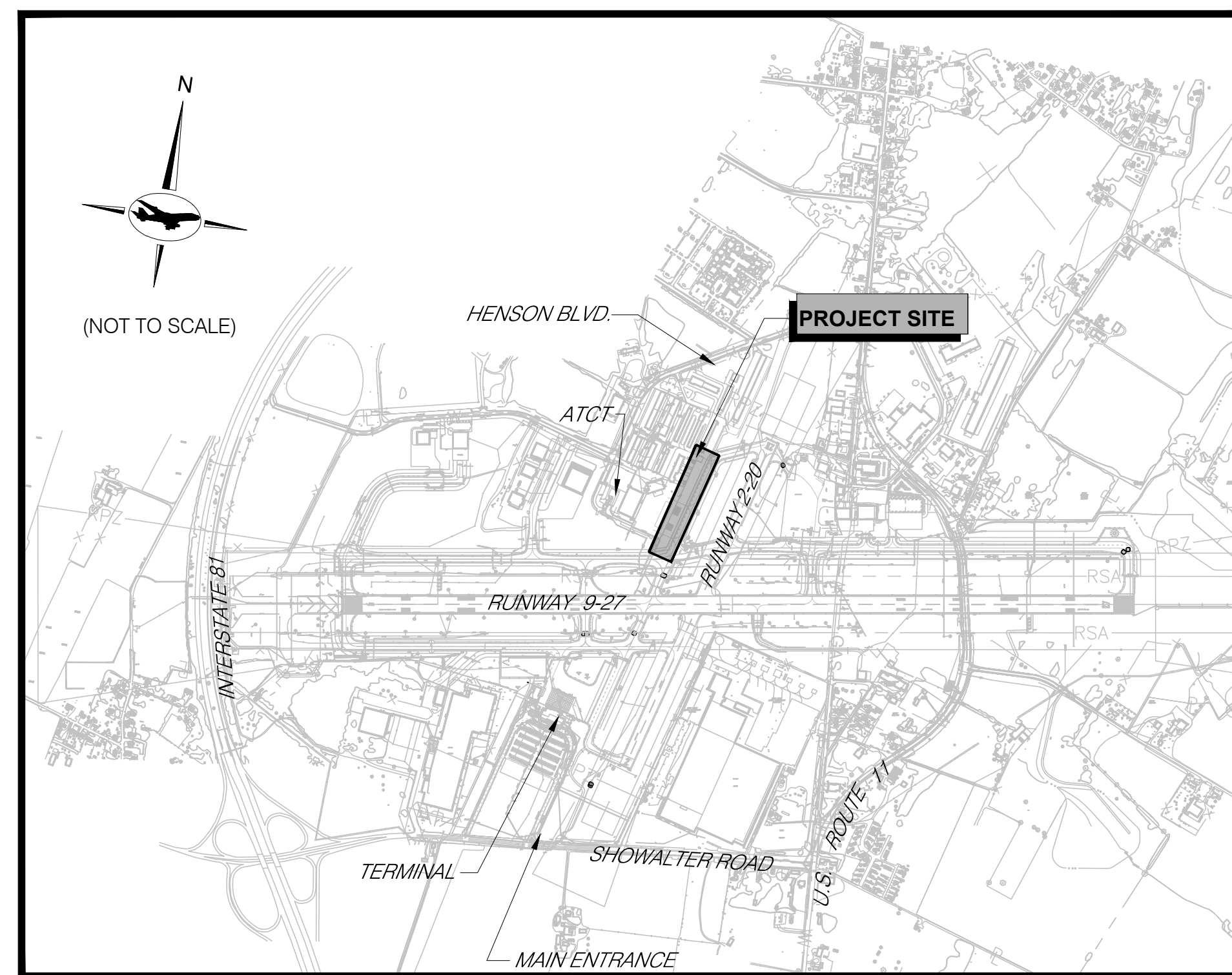


HAGERSTOWN REGIONAL AIRPORT

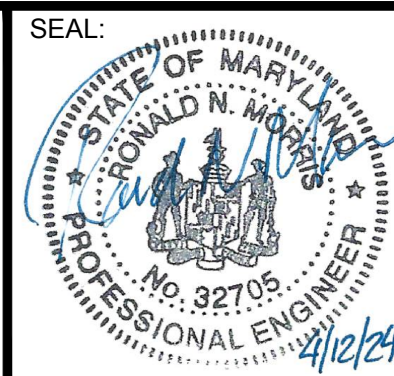
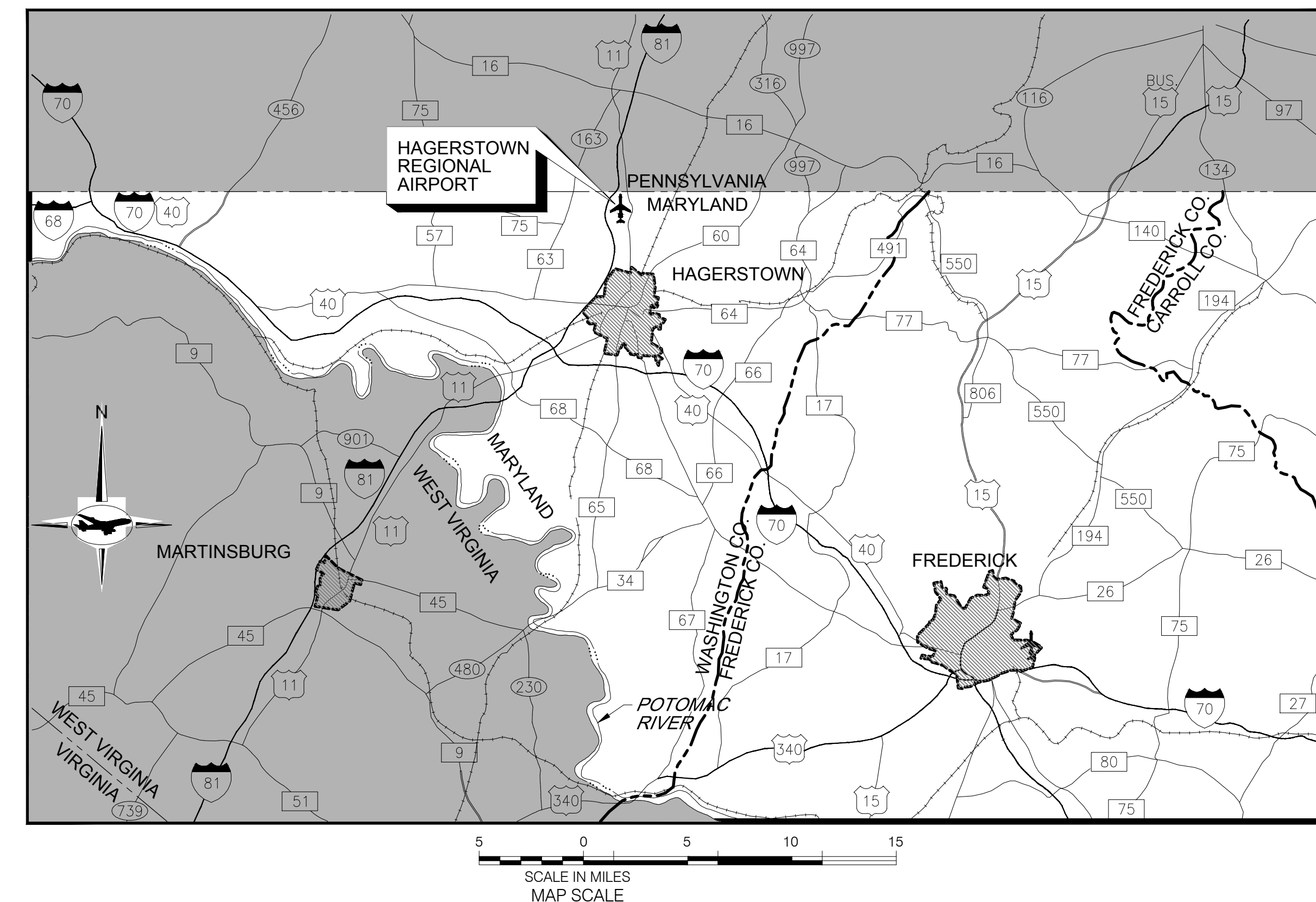
Washington County, MD

TAXIWAY C OFA REHABILITATION A.I.G. No. 3-24-0019-070-2024 (DESIGN/CONSTRUCTION) BID No. PUR-1674 BID DOCUMENTS APRIL 2024

VICINITY MAP



LOCATION MAP



PROFESSIONAL CERTIFICATION:
"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."
LICENSE NO. 32705
EXPIRATION DATE: 2/21/2026

APPROVED:
WASHINGTON COUNTY DIVISION OF PLAN REVIEW & PERMITTING
SIGNATURE _____ DATE: _____



HAGERSTOWN REGIONAL AIRPORT
APPROVED _____ DATE _____

DRAWING INDEX		
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QUANTITIES				
PAY ITEM	DESCRIPTION	UNIT	QUANTITY	AS-BUILT
M-100-4.1	MAINTENANCE AND PROTECTION OF TRAFFIC AND CSPP	LS	1	
M-150-5.1	PROJECT SURVEY AND STAKEOUT	LS	1	
C-100-1.1	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1	
C-105-6.1	MOBILIZATION	LS	1	
P-101-5.1	COLD MILLING, 3-INCH DEPTH	SY	11,300	
P-101-5.2	REMOVAL OF EXISTING JOINT SEALANT	LF	1,400	
P-401-8.1	ASPHALT MIX PAVEMENT SURFACE COURSE	TON	2,100	
P-603-5.1	EMULSIFIED ASPHALT TACK COAT	GAL	1,200	
P-605-5.1	JOINT SEALING	LF	1,400	
P-620-5.1	PAVEMENT MARKING REMOVAL	SF	2,200	
P-620-5.2	PERMANENT PAVEMENT MARKING - WATERBORNE	SF	8,400	
P-620-5.3	TEMPORARY PAVEMENT MARKING - WATERBORNE	SF	3,800	
P-620-5.4	THERMOPLASTIC PAVEMENT MARKING (NON-AIP ELIGIBLE)	SF	450	

CONSULTANT:  AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602	SEAL: 	PROFESSIONAL CERTIFICATION: "I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND" LICENSE NO. 32705 EXPIRATION DATE: 2/21/2026	DESIGNED: M.J.B. DRAWN: R.D.H. CHECKED: R.N.M. APPROVED: M.S.K.	REVISION NO. REVISION DATE 	DESCRIPTIONS 	 HAGERSTOWN REGIONAL AIRPORT Washington County, MD	PROJECT TITLE: TAXIWAY C OFA REHABILITATION	FAA AIG No.: 3-24-0019-070-2024 (DESIGN/CONSTRUCTION) Bid No.: PUR-1674
							SHEET TITLE: DRAWING INDEX AND SCHEDULE OF QUANTITIES	SHEET NO.: G101
SCALE: N.A.		DATE: APRIL 2024						2 OF 18

GENERAL CONSTRUCTION NOTES:

- THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS AND ANY RULES, REGULATIONS, STANDARDS OR SPECIFICATIONS REFERENCED THEREIN. THE PROJECT IS SUBJECT TO INSPECTION BY REPRESENTATIVES OF WASHINGTON COUNTY (THE AIRPORT SPONSOR), THEIR AUTHORIZED REPRESENTATIVES, THE FEDERAL AVIATION ADMINISTRATION (FAA), AND OTHER GOVERNING AGENCIES.
- THE PROJECT IS TO BE COMPLETED IN CLOSE CONFORMANCE WITH THE CONSTRUCTION PLANS AND CONTRACT SPECIFICATIONS AND SHALL BE CONSTRUCTED IN A TIMELY MANNER IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED PROJECT SCHEDULE. THE SCHEDULE SHALL PROVIDE FOR COMPLETION OF THE PHASES AS SHOWN ON THE PLANS AND DESCRIBED IN THE CONTRACT SPECIFICATIONS.
- THE CONTRACTOR IS EXPECTED TO COMPLETE THE ENTIRE PROJECT ON TIME. THE IMPORTANCE OF THIS IS STRESSED BY THE INCLUSION OF LIQUIDATED DAMAGES IN THE SPECIFICATIONS.
- HAGERSTOWN REGIONAL AIRPORT WILL BE IN OPERATION DURING THE CONSTRUCTION OF THIS PROJECT. COORDINATION OF WORK WITH THE AIRPORT AND AIRLINES (THROUGH THE AIRPORT DIRECTOR) IS MANDATORY SO AS TO MINIMIZE IMPACTS ON AIRPORT OPERATIONS.
- CONSTRUCTION AND MAINTENANCE OPERATIONS BY OTHERS WILL OCCUR CONCURRENTLY AND AT TIMES IN THE VICINITY OF CONSTRUCTION ASSOCIATED WITH THIS PROJECT. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS AND COOPERATE WITH MAINTENANCE CREWS AND OTHER CONTRACTORS WORKING ON THE AIRPORT. COORDINATION WITH APPROPRIATE GOVERNMENT AND UTILITY AGENCIES IS ALSO REQUIRED.
- ACCESS TO THE SITE - THE CONTRACTOR'S ACCESS POINTS TO THE SITE ARE SHOWN ON THE GENERAL PROJECT LAYOUT PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL VEHICLES AND PERSONNEL WHO ENTER THE AIRPORT PROPERTY. THE CONTRACTOR SHALL CONSULT WITH THE MAINTENANCE DEPARTMENT AT THE BEGINNING AND ENDING OF EACH WORK PERIOD.
- HAUL ROUTES - THE CONTRACTOR'S ON-AIRPORT HAUL ROUTES ARE SHOWN ON THE GENERAL PROJECT LAYOUT. ANY DEBRIS (WHETHER CAUSED BY THE CONTRACTOR OR NOT) SHALL BE REMOVED IMMEDIATELY.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES (STATE HIGHWAYS, COUNTY ROADS, OR CITY STREETS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE PAVEMENTS USED AS HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THEIR PRE-CONSTRUCTION CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. THE BEFORE AND AFTER CONDITION OF ON-SITE HAUL ROUTES SHALL BE JOINTLY INSPECTED AND DETERMINED BY THE CONTRACTOR AND THE RESIDENT PROJECT REPRESENTATIVE(RPR).

FENCING, DRAINAGE, GRADING AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S TOTAL RESPONSIBILITY AND SHALL BE APPROVED BY THE RPR PRIOR TO COMMENCING THE WORK. THIS WORK IS CONSIDERED INCIDENTAL TO WORK AND NO SEPARATE PAYMENT WILL BE MADE. ALL ON-SITE ACCESS TO AIRPORT FACILITIES SHALL REMAIN OPEN AND MAINTAINED AT ALL TIMES.

CONTRACTOR'S STAGING AREAS - AREAS ARE AVAILABLE FOR CONTRACTOR'S MOBILIZATION AND STORAGE. THESE AREAS ARE SHOWN ON THE GENERAL PROJECT LAYOUT AND PHASING PLANS. THE CONTRACTOR'S STAGING AREAS SHALL BE GRADED, TOPSOILED, SEEDED, AND MULCHED UPON COMPLETION OF USE.

DISPOSAL AREA - ALL MATERIALS THAT ARE SALVAGEABLE, INCLUDING PAVEMENT MILLINGS, AND ARE DESIRED BY AIRPORT MAINTENANCE SHALL BE TURNED OVER TO THE AIRPORT. THE AIRPORT WILL ACCEPT A MAXIMUM OF 10 TRUCKLOADS OF PAVEMENT MILLINGS. A DISPOSAL AREA FOR THE NONSALVAGEABLE MATERIAL WILL NOT BE AVAILABLE ON AIRPORT PROPERTY. THE CONTRACTOR'S WASTE MATERIALS, SHALL BE DISPOSED OF OFF AIRPORT PROPERTY. WASTE MATERIALS INCLUDE THOSE ITEMS WHICH ARE A DIRECT RESULT OF CONSTRUCTION, TRASH, (I.E. CUPS, CANS, ETC.) SHALL BE DISPOSED OF THROUGH PROPER SANITARY METHODS.

CONTRACTORS SAFETY REQUIREMENTS DURING CONSTRUCTION:

- SAFETY - THE CONTRACTOR SHALL CONDUCT HIS ACTIVITIES IN A SAFE MANNER AS SPECIFIED IN THE SECTION TITLED, "CONTRACTORS SAFETY REQUIREMENTS DURING CONSTRUCTION" ON THIS SHEET.
- PROTECTION OF AND REPAIR TO EXISTING CABLES - LOCATIONS OF KNOWN EXISTING AIRPORT UNDERGROUND CABLES ARE SHOWN ON THE PLANS AND MUST BE VERIFIED BY THE CONTRACTOR. REPAIR OF DAMAGED CABLES MUST BE STARTED IMMEDIATELY AND CONTINUED UNTIL COMPLETED. ALL SUCH REPAIRS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND SHALL BE AT THE CONTRACTOR'S EXPENSE. IF FAA CABLES ARE DAMAGED, REPAIRS SHALL BE DONE IN ACCORDANCE WITH FAA REQUIREMENTS AND IN THE PRESENCE OF AN FAA REPRESENTATIVE. THE FAA MAY ELECT TO HAVE THE REPAIR PERFORMED BY OTHERS IN WHICH CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING THE INCURRED COSTS OF REPAIRS.
- ALL CONSTRUCTION EQUIPMENT IS LIMITED TO A MAXIMUM HEIGHT OF 25 FEET. IF ANY EQUIPMENT IS GOING TO BE HIGHER THAN 25', CONTRACTOR MUST COORDINATE WITH RPR.
- CONSTRUCTION LIMITS - ALL CONTRACTOR VEHICLES AND TRAFFIC (UNLESS OTHERWISE AUTHORIZED) SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTES. CONSTRUCTION, STORAGE AND STOCKPILING LIMITS ARE FURTHER DEFINED IN THE SECTION TITLED, "CONTRACTORS SAFETY REQUIREMENTS DURING CONSTRUCTION" ON THIS SHEET.
- THE CONTRACTOR SHALL OBTAIN ALL THE PERMITS AND LICENSES REQUIRED FOR THE PROJECT WORK AT HIS OWN EXPENSE.
- BASE MAPPING FOR THIS PROJECT IS BASED ON HISTORICAL MAPPING PROVIDED BY THE AIRPORT.
- EXISTING AND PROPOSED GRADES - EXISTING GRADES SHOWN ON THE DRAWINGS ARE BELIEVED TO BE ACCURATE, BUT THE SPONSOR, OR RPR ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THESE GRADES. IF THE CONTRACTOR DOES NOT CONCUR WITH THE ELEVATIONS GIVEN ON THE DRAWINGS, HE SHALL NOTIFY THE RPR IN WRITING PRIOR TO INITIATING ANY CONSTRUCTION ACTIVITIES. START OF WORK BY THE CONTRACTOR WITHOUT SUCH NOTIFICATION WILL BE INTERPRETED AS AN AGREEMENT BY THE CONTRACTOR WITH THE ACCURACY OF THE GRADES SHOWN ON THE PLANS.
- PERMITS - THE CONTRACTOR MUST OBTAIN APPROPRIATE PERMITS FROM THE PROPER GOVERNMENT AGENCIES FOR ACCESS TO, AND TO USE THEIR ROADS FOR DELIVERY OF MATERIALS AND EQUIPMENT TO THE SITE. ANY DAMAGE TO OFF-SITE OR ON-SITE ROADS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE. IF BLASTING IS REQUIRED TO FACILITATE EXCAVATION PROPER PERMITS MUST BE OBTAINED.
- IF BLASTING IS BEING PROPOSED BY THE CONTRACTOR, THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A BLASTING PLAN. THE CONTRACTOR OR SUBCONTRACTOR PERFORMING THE BLASTING IS REQUIRED TO BE LICENSED IN THE STATE OF MARYLAND IN ACCORDANCE WITH THE MARYLAND PUBLIC SAFETY CODE, TITLE 11, EXPLOSIVES. THE CONTRACTOR SHALL OBTAIN A BLASTER'S PERMIT FROM THE STATE OF MARYLAND, DEPARTMENT OF STATE POLICE, OFFICE OF THE STATE FIRE MARSHALL FOR GENERAL ABOVE GROUND CONSTRUCTION. THE COST FOR OBTAINING SUCH LICENSES AND PERMITS SHALL BE INCIDENTAL TO THE PROJECT.

A FEDERAL AVIATION ADMINISTRATION (FAA) ADVISORY CIRCULARS (AC), ORDERS AND FEDERAL AVIATION REGULATIONS (F A R).

THE FOLLOWING PUBLICATIONS CONTAIN DEFINITIONS/DESCRIPTIONS OF CRITICAL AIRPORT OPERATING AREAS. THE AREAS DEFINED BELOW PERTAIN TO AIRFIELD SAFETY REQUIREMENTS AND ARE REFERENCED THROUGHOUT THE CONTRACT DOCUMENTS. COPIES OF THESE PUBLICATIONS ARE AVAILABLE THROUGH THE FAA AND CAN BE REVIEWED AT THE OFFICES OF THE HAGERSTOWN REGIONAL AIRPORT.

- AC 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", CURRENT EDITION, SETS FORTH GUIDELINES TO ASSIST AIRPORT OPERATORS IN COMPLYING WITH F A R PART 139, "CERTIFICATION AND OPERATION: LAND AIRPORTS SERVING CERTAIN AIR CARRIERS" AND WITH THE REQUIREMENTS OF FEDERALLY FUNDED CONSTRUCTION PROJECTS.
- F A R PART 77 "OBJECTS AFFECTING NAVIGABLE AIRSPACE, CURRENT EDITION:
 - ESTABLISHES STANDARDS FOR DETERMINING OBSTRUCTIONS TO NAVIGABLE AIRSPACE. CIVIL AIRPORT IMAGINARY SURFACES ARE DEFINED IN THE PUBLICATION AND ARE SHOWN ON THE SAFETY/PHASING NOTES AND DETAILS.
 - SETS FORTH REQUIREMENTS FOR NOTICE OF CERTAIN PROPOSED CONSTRUCTION OR ALTERATION. NOTICE OF CONSTRUCTION PROVIDES A BASIS FOR RECOMMENDATIONS FOR IDENTIFYING THE CONSTRUCTION OR ALTERATION IN ACCORDANCE WITH AC 70/7460-1L "OBSTRUCTION MARKING AND LIGHTING," CURRENT EDITION.
- AC 150/5300-13B, "AIRPORT DESIGN", CURRENT EDITION, ESTABLISHES DESIGN, OPERATIONAL, AND MAINTENANCE STANDARDS FOR AIRPORTS. STANDARD TERMS DEFINED IN THIS AC AND USED IN THE CONTRACT PLANS AND SPECIFICATIONS ARE DEFINED BELOW:
 - OBSTACLE FREE ZONE (OFZ) - A VOLUME OF SPACE WHICH IS FREE OF ALL FIXED OBJECTS AND CLEAR OF VEHICLES IN THE PROXIMITY OF AN AIRPLANE CONDUCTING AN APPROACH, MISSED APPROACH, LANDING, TAKEOFF, OR DEPARTURE. AN OFZ TYPICAL SECTION IS SHOWN ON THE SAFETY/PHASING NOTES AND DETAILS SHEET.
 - RUNWAY PROTECTION ZONE (RPZ): A TRAPEZOIDAL AREA CENTERED ON THE RUNWAY BEGINNING AT A POINT 200 FEET BEYOND THE END OF THE AREA USABLE FOR TAKEOFF OR LANDING. THE RPZ IS SHOWN ON THE GENERAL PROJECT LAYOUT PLAN.
 - OBJECT FREE AREA (OFA): A TWO DIMENSIONAL GROUND AREA SURROUNDING RUNWAYS, TAXIWAYS, AND TAXILANES WHICH IS CLEAR OF OBJECTS EXCEPT FOR OBJECTS WHOSE LOCATION IS FIXED BY FUNCTION.
 - SAFETY AREA - THE SURFACE ADJACENT TO RUNWAYS, TAXIWAYS, AND TAXILANES OVER WHICH AIRCRAFT SHOULD, IN DRY WEATHER, BE ABLE TO CROSS AT NORMAL SPEEDS WITHOUT INCURRING SIGNIFICANT DAMAGE. A SAFETY AREA IS GRADED, DRAINED AND COMPACTED. IT IS FREE OF ANY HOLES, TRENCHES, BUMPS OR OTHER SIGNIFICANT SURFACE VARIATIONS OR OBJECTS OTHER THAN THOSE WHICH MUST BE THERE BECAUSE OF THEIR ESSENTIAL AERONAUTICAL FUNCTION. THE SAFETY AREA REQUIRES THE CAPABILITY OF SUPPORTING MAINTENANCE VEHICLES AND AIRCRAFT RESCUE AND FIRE FIGHTING VEHICLES UNDER NORMAL (DRY) CONDITIONS.

B GENERAL SAFETY REQUIREMENTS

- THE CONTRACTOR SHALL ACQUAINT HIS SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITY AND OPERATIONS THAT ARE INHERENT TO HAGERSTOWN REGIONAL AIRPORT AND SHALL CONDUCT HIS CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND GUIDELINES FOR SAFETY SPECIFIED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL SAFETY DEVICES AS REQUIRED FOR THE PROTECTION OF HIS PERSONNEL.
- PROTECTION OF ALL PERSONS SHALL BE PROVIDED THROUGHOUT THE PROGRESS OF THE WORK. THE WORK SHALL PROCEED IN SUCH A MANNER AS TO PROVIDE SAFE CONDITIONS FOR ALL WORKERS AND GOVERNMENT PERSONNEL. THE SEQUENCE OF OPERATION SHALL BE SUCH THAT MAXIMUM PROTECTION IS AFFORDED TO INSURE THAT PERSONNEL AND WORKERS IN THE WORK AREA ARE NOT SUBJECT TO ANY DANGEROUS CONDITIONS. THE CONTRACTOR MUST PROVIDE SAFETY MEASURES TO GUARD AGAINST INJURY.

- DURING PERFORMANCE OF THIS CONTRACT, THE AIRPORT RUNWAYS, TAXIWAYS, AND AIRCRAFT PARKING APRONS SHALL REMAIN IN USE BY AIRCRAFT TO THE MAXIMUM EXTENT POSSIBLE. ALL AIRCRAFT TRAFFIC ON THESE AREAS SHALL HAVE PRIORITY OVER CONTRACTOR'S TRAFFIC. THE OWNER RESERVES THE RIGHT TO ORDER THE CONTRACTOR AT ANY TIME TO VACATE ANY AREA NECESSARY TO MAINTAIN SAFE AIRCRAFT OPERATIONS. USE OF AREAS NEAR THE CONTRACTOR'S WORK WILL BE CONTROLLED TO MINIMIZE DISTURBANCE TO THE CONTRACTOR'S OPERATION. THE CONTRACTOR SHALL NOT ALLOW EMPLOYEES, SUBCONTRACTORS, SUPPLIERS, OR ANY OTHER UNAUTHORIZED PERSON TO ENTER OR REMAIN IN ANY AIRPORT AREA WHICH WOULD BE HAZARDOUS TO PERSONS OR TO AIRCRAFT OPERATIONS.

C CONSTRUCTION AND FACILITIES MAINTENANCE

- THE CONTRACTOR SHALL BE AWARE OF AND PREVENT THE FOLLOWING TYPES OF SAFETY PROBLEMS AND/OR HAZARDS:
 - TRENCHES, HOLES, OR EXCAVATION ON OR ADJACENT TO ANY OPEN RUNWAY OR IN SAFETY AREAS.
 - UNMARKED/UNLIGHTED HOLES OR EXCAVATION IN ANY APRON, OPEN TAXIWAY, OPEN TAXILANE, OR RELATED SAFETY AREA.
 - MOUNDS OR PILES OF EARTH, CONSTRUCTION MATERIALS, TEMPORARY STRUCTURES, OR OTHER OBJECTS IN THE VICINITY OF THE OPEN RUNWAY, TAXIWAYS, TAXILANES, OR IN A RELATED SAFETY APPROACH OR DEPARTURE AREA.
 - VEHICLES OR EQUIPMENT, WHETHER OPERATING OR IDLE, ON ANY OPEN RUNWAY, TAXIWAY, TAXILANE, OR IN ANY RELATED SAFETY APPROACH OR DEPARTURE AREA.
 - VEHICLES, EQUIPMENT, EXCAVATION, STOCKPILES, OR OTHER MATERIALS WHICH COULD DEGRADE OR OTHERWISE INTERFERE WITH ELECTRONIC SIGNALS FROM RADIOS OR ELECTRONIC NAVIGATIONAL AIDS (NAVAIDS).
 - PAVEMENT DROP-OFFS OR PAVEMENT TURF-LIPS (EITHER PERMANENT OR TEMPORARY) WHICH COULD CAUSE DAMAGE TO AIRCRAFT IF CROSSED AT NORMAL OPERATING SPEEDS. THE NORMAL MAXIMUM DROP-OFF OR LIP IS 1-1/2 INCHES.
 - UNMARKED UTILITY, NAVAID, WEATHER SERVICE, RUNWAY LIGHTING, OR OTHER POWER OR SIGNAL CABLES THAT COULD BE DAMAGED DURING CONSTRUCTION.
 - OBJECTS, WHETHER OR NOT MARKED OR FLAGGED, OR ACTIVITIES ANYWHERE ON OR IN THE VICINITY OF AIRPORT WHICH COULD BE DISTRACTING, CONFUSING, OR ALARMING TO PILOTS DURING AIRCRAFT OPERATIONS.
 - UNFLAGGED/UNLIGHTED LOW VISIBILITY ITEMS SUCH AS TALL CRANES, DRILLS, AND THE LIKE ANYWHERE IN THE VICINITY OF ACTIVE RUNWAYS, OR IN ANY APPROACH OR DEPARTURE AREAS.
 - MISLEADING OR MALFUNCTIONING OBSTRUCTION LIGHTS OR UNLIGHTED/UNMARKED OBSTRUCTIONS IN THE APPROACH TO ANY ACTIVE RUNWAY.
 - INADEQUATE APPROACH/DEPARTURE SURFACES (THESE SURFACES ARE NEEDED TO ASSURE ADEQUATE LANDING/TAKEOFF CLEARANCE OVER OBSTRUCTIONS, OR WORK OR STORAGE AREAS).
 - INADEQUATE, CONFUSING OR MISLEADING (TO USER PILOTS) MARKING/LIGHTING OF RUNWAYS, TAXIWAYS, OR TAXILANES (INCLUDING DISPLACED OR RELOCATED THRESHOLDS).
 - WATER, SNOW, DIRT, DEBRIS, OR OTHER TRANSIENT ACCUMULATION WHICH TEMPORARILY OBSCURES PAVEMENT MARKINGS OR PAVEMENT EDGES, OR REDUCES VISIBILITY OF RUNWAY/TAXIWAY MARKINGS OR LIGHTING.
 - INADEQUATE OR IMPROPER METHODS OF MARKING, BARRICADING, AND LIGHTING OF TEMPORARILY CLOSED PORTIONS OF THE AIRPORT OPERATIONS AREA.
 - TRASH OR OTHER MATERIALS WITH FOREIGN OBJECT DAMAGE (FOD) POTENTIAL; WHETHER ON RUNWAYS, TAXIWAYS, OR APRONS; OR IN RELATED SAFETY AREAS.
 - INADEQUATE BARRICADING OR OTHER MARKING WHICH IS PLACED TO SEPARATE CONSTRUCTION OR MAINTENANCE AREAS FROM OPEN AIRCRAFT OPERATING AREAS.
 - FAILURE TO CONTROL UNAUTHORIZED VEHICLE AND HUMAN ACCESS FROM ACTIVE AIRCRAFT OPERATING AREAS.
 - FAILURE TO MAINTAIN RADIO COMMUNICATION BETWEEN CONSTRUCTION/MAINTENANCE VEHICLES AND AIR TRAFFIC CONTROL TOWER.
 - CONSTRUCTION/MAINTENANCE ACTIVITIES OR MATERIALS WHICH COULD HAMPER THE RESPONSE OF AIRCRAFT RESCUE AND FIRE FIGHTING (ARFF) OR OTHER EMERGENCY EQUIPMENT FROM REACHING AIRCRAFT, ALL OR ANY PART OF THE RUNWAY/TAXIWAY SYSTEM, RUNWAY APPROACH AND DEPARTURE AREAS AND TO AIRCRAFT PARKING LOCATIONS.
 - BIRD ATTRACTANTS ON AIRPORT SUCH AS: EDIBLES (FOOD SCRAPS, ETC.), MISCELLANEOUS TRASH, OR PONDED WATER.

- THE CONTRACTOR SHALL CONDUCT ACTIVITIES SO AS NOT TO VIOLATE ANY SAFETY STANDARDS CONTAINED HEREIN. THE CONTRACTOR SHALL INSPECT ALL CONSTRUCTION AND STORAGE AREAS AS OFTEN AS NECESSARY AND PROMPTLY TAKE ALL STEPS NECESSARY TO PREVENT/REMEDY ANY UNSAFE OR POTENTIALLY UNSAFE CONDITIONS OR ACTIVITIES DISCOVERED.
- BEFORE ACTUAL COMMENCEMENT OF CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL NOTIFY, IN WRITING, AT LEAST 48 HOURS IN ADVANCE, THE AIRPORT DIRECTOR OF HIS INTENTIONS OF CONSTRUCTION, STATING THE PROPOSED TIME, DATE, AND AREA OF WHICH COMMENCEMENT IS TO OCCUR.

UPON COMPLETION OF WORK AND RETURN OF ALL RELATED AREAS TO STANDARD CONDITIONS, THE CONTRACTOR SHALL AGAIN NOTIFY THE AIRPORT DIRECTOR, IN WRITING, AND DESCRIBE THE AREA THAT IS COMPLETE AND AVAILABLE FOR NORMAL AIRPORT OPERATIONS.

THE ISSUANCE OF NOTAMS SHALL BE REQUIRED FOR ALL AIRFIELD IMPACTS (I.E. RUNWAY CLOSURES, TAXIWAY CLOSURES, NAVAID IMPACTS, BLASTING, ETC.). THE CONTRACTOR SHALL COORDINATE THE NECESSARY NOTAMS FOR ALL AIRFIELD IMPACTS WITH THE RESIDENT PROJECT REPRESENTATIVE (RPR) AND THE OWNER A MINIMUM OF 72 HOURS IN ADVANCE OF THE DESIRED CLOSURE. IN ACCORDANCE WITH THE CONTRACTORS ACCEPTED SCHEDULE, THE CONTRACTOR SHALL ALSO PROVIDE A MINIMUM OF TWO (2) WEEKS PRIOR WRITTEN NOTIFICATION, TO THE RPR, OF ANTICIPATED AIRFIELD IMPACTS

THE AIRPORT DIRECTOR WILL BE RESPONSIBLE FOR ISSUING APPROPRIATE NOTICE TO AIR MISSIONS (NOTAM) CONCERNING CONSTRUCTION ACTIVITY ON THE AIRFIELD.

D MOTORIZED VEHICLES

THIS PROJECT INCLUDES WORK WITHIN THE AIRFIELD OPERATIONS AREA (AOA) (I.E.), THE SECURE PORTION OF THE AIRPORT. ALL PERMITTED VEHICLES SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3-FOOT X 3-FOOT OR LARGER, ORANGE AND WHITE CHECKERBOARD, PLASTIC FLAG. EACH CHECKERBOARD COLOR SHALL BE ONE FOOT SQUARE. IN LIEU OF FLAGS, VEHICLES MAY DISPLAY A FLASHING 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. THESE LIGHTS SHALL REMAIN FLASHING AT ALL TIMES WHEN THE VEHICLE IS IN THE AOA, EVEN IF PARKED.

ANY VEHICLE OPERATING IN THE AOA DURING THE HOURS OF DARKNESS SHALL BE EQUIPPED WITH A FLASHING 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. DARKNESS SHALL BE DEFINED AS ONE HOUR BEFORE OFFICIAL SUNSET UNTIL ONE HOUR AFTER SUNRISE.

ALL VEHICLES OPERATING WITHIN THE AIRFIELD BOUNDARY SHALL BE IDENTIFIED WITH A SIGN ON EACH SIDE OF THE VEHICLE BEARING THE CONTRACTOR'S NAME. THE MINIMUM SIZE FOR LETTERING ON THE VEHICLE SIGNS IS 12 INCHES. IN ADDITION ALL CONSTRUCTION VEHICLES OPERATING IN THE AIRFIELD MUST BE ISSUED AND DISPLAY AN AIRPORT VEHICLE ID TAG.

VEHICLES MAKING ONLY OCCASIONAL VISITS TO THE JOB SITE ARE EXEMPT FROM THE IDENTIFICATION REQUIREMENTS CONTAINED HEREIN PROVIDED THAT THEY ARE ESCORTED INTO, THROUGH, AND OUT OF THE AOA BY A PROPERLY IDENTIFIED VEHICLE.

E RADIO COMMUNICATIONS

RADIO COMMUNICATIONS MAY BE REQUIRED BETWEEN THE CONTRACTOR'S REPRESENTATIVE AND THE AIR TRAFFIC CONTROL TOWER (ATCT). RADIO CONTACT IS REQUIRED AT ALL TIMES WHILE THE CONTRACTOR HAS PERSONNEL AND EQUIPMENT ON THE PROJECT SITE AND WHILE THEY ARE IN AN ACTIVE AIRFIELD OPERATIONS AREA (AOA) OF THE AIRPORT. RADIOS SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL BE CAPABLE OF TRANSMITTING AND RECEIVING AT A GROUND CONTROL FREQUENCY OF 120.8 MHZ. THIS FREQUENCY IS TO BE UTILIZED WHEN CROSSING ACTIVE FACILITIES. SUFFICIENT RADIOS SHALL BE ON SITE AND OPERATING AT ALL TIMES SO THAT INSTRUCTIONS OR COMMUNICATIONS MAY BE DISPATCHED TO ALL CREWS AND/OR EQUIPMENT WORKING IN AN ACTIVE AOA IMMEDIATELY AFTER RECEIPT FROM THE ATCT. HAGERSTOWN REGIONAL AIRPORT IS SERVED BY PART-TIME ATCT. DURING CERTAIN PHASES OF CONSTRUCTION, THE ATCT MAY BE CLOSED. DURING THOSE PERIODS WHEN THE ATCT IS CLOSED, THE CONTRACTOR SHALL MAINTAIN CONTACT WITH AIRCRAFT USING THE AIRPORT BY MONITORING THE CTAF FREQUENCY OF 120.3 MHZ AND UNICOM FREQUENCY OF 122.95 MHZ.

CONSULTANT:  AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602	SEAL:  STATE OF MARYLAND PROFESSIONAL ENGINEER No. 32705 EXPIRATION DATE: 2/21/2026	PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND	DESIGNED: M.J.B.	REVISION NO.	REVISION DATE	DESCRIPTIONS	PROJECT TITLE: TAXIWAY C OFA REHABILITATION	FAA AIG No.: 324-00194070-2024 (DESIGN/CONSTRUCTION) Bid No.: PUR-1674	
		DRAWN: R.D.H.	CHECKED: R.N.M.	APPROVED: M.S.K.	SHEET TITLE: GENERAL CONSTRUCTION AND SAFETY NOTES 1		SHEET NO.: G200		
 HAGERSTOWN REGIONAL AIRPORT Washington County, MD							SCALE: N.A.	DATE: APRIL 2024	3 OF 18

F DEBRIS
 DEBRIS, WASTE, AND LOOSE MATERIAL (INCLUDING DUST AND DIRT) CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR OR PROPELLERS, OR BEING INGESTED IN JET ENGINES, SHALL NOT BE ALLOWED ON ACTIVE AIRCRAFT MOVEMENT AREAS OR ADJACENT GRASSED AREAS. MATERIALS OBSERVED TO BE WITHIN THESE AREAS SHALL BE REMOVED IMMEDIATELY AND/OR CONTINUOUSLY BY THE CONTRACTOR. THE CONTRACTOR SHALL HAVE A SWEEPING MACHINE AND OPERATOR ON SITE AND READY AT ALL TIMES DURING CONSTRUCTION ACTIVITY WHERE TRAVEL ON OR ACROSS RUNWAYS, RAMP AREAS, TAXIWAYS, OR AIRCRAFT APRONS IS REQUIRED. THE CONTRACTOR SHALL PROVIDE ADEQUATE PERSONNEL AND EQUIPMENT TO KEEP SUCH SURFACES CLEAR OF DEBRIS. THE CONTRACTOR SHALL ALSO MAINTAIN A WATER TRUCK ON SITE FOR DUST CONTROL PURPOSES.

G FLAGMEN
 IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, FURNISH FLAGMEN AS NECESSARY TO CONTROL HIS TRAFFIC (UNLESS OTHERWISE DIRECTED BY THE RPR).

ALL CONTRACTOR VEHICLES THAT ARE REQUIRED TO CROSS ACTIVE RUNWAYS, TAXIWAYS AND APRONS SHALL DO SO UNDER THE DIRECT CONTROL OF A COMPETENT FLAGMAN WHO IS IN DIRECT RADIO CONTACT WITH GROUND CONTROL. ALL AIRCRAFT TRAFFIC ON RUNWAYS, TAXIWAYS, AND APRONS SHALL HAVE PRIORITY OVER CONTRACTOR'S TRAFFIC. AT NO TIME SHALL THE CONTRACTOR'S VEHICLES OR PERSONNEL BE ALLOWED TO ENTER OR CROSS ACTIVE RUNWAYS, TAXIWAYS, SAFETY AREAS, OBJECT FREE AREAS, OR RUNWAY PROTECTION ZONES WITHOUT PROPER AUTHORIZATION OBTAINED THROUGH GROUND CONTROL.

H MISCELLANEOUS

1. OPEN FLAME, WELDING OR TORCH CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN TAKEN AND THE PROCEDURE PREVIOUSLY APPROVED BY THE RPR.
2. EQUIPMENT AND STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT RESULTING FROM AIRCRAFT JET BLAST OR WIND CONDITIONS IN EXCESS OF 10 KNOTS.
3. THE CONTRACTOR SHALL PROVIDE POLYETHYLENE CONSTRUCTION BARRIERS WITH FLASHING RED LIGHTS AS SHOWN ON THE DRAWINGS TO DELINEATE THE WORK AREAS WHEN CLOSED TO AIRPORT TRAFFIC. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIAL LOCATED IN THE AOA SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED BY APPROVED LIGHT UNITS DURING HOURS OF LIMITED VISIBILITY AND DARKNESS.
4. ALL MATERIALS AND EQUIPMENT WHEN NOT IN USE SHALL BE PLACED IN APPROVED AREAS WHERE THEY WILL NOT CONSTITUTE A HAZARD TO AIRCRAFT OPERATIONS AND NOT PENETRATE CLEARANCE SURFACES DEFINED PREVIOUSLY AND SHOWN ON THE CONSTRUCTION SAFETY AND PHASING NOTES AND DETAILS SHEET. EQUIPMENT SHALL BE PARKED AT THE STAGING AREA WHEN NOT IN USE.
5. UPON COMPLETION OF ANY STAGE/PHASE OF WORK, THE RPR WILL ARRANGE A PHYSICAL INSPECTION OF THE AREA WITH AIRPORT OPERATIONS PERSONNEL PRIOR TO OPENING ANY PORTION OR WHOLE RUNWAY, TAXIWAY, OR RAMP AREA THAT HAS BEEN CLOSED FOR WORK OR USED FOR A CROSSING POINT OR HAUL ROUTE BY THE CONTRACTOR.
6. ENTRANCE TO THE AIRFIELD IS SUBJECT TO STRICT SECURITY REGULATIONS. ALL PERSONNEL ENTERING THE AIRFIELD MAY BE SUBJECT TO A BACKGROUND CHECK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT ALL OF HIS EMPLOYEES WHO NEED TO HAVE ACCESS TO THE AIRFIELD, HAVE INFORMATION AVAILABLE FOR A BACKGROUND CHECK TO BE PERFORMED, DATING BACK TEN (10) YEARS VERIFYING REPRESENTATIONS MADE BY THE EMPLOYEE RELATING TO EMPLOYMENT.
7. THE CONTRACTOR SHALL PROVIDE THE RPR AND AIRPORT DIRECTOR A CURRENT LIST OF ALL EMPLOYEES WORKING ON THE AIRPORT. THE LIST SHALL BE MAINTAINED CURRENT BY THE CONTRACTOR AND APPLIES TO BOTH THE CONTRACTOR AND SUBCONTRACTORS.
8. THE CONTRACTOR SHALL FAMILIARIZE HIS PERSONNEL WITH CLEARANCES NEEDED TO PROVIDE FOR THE SAFE OPERATION OF RUNWAYS AND TAXIWAYS AS SHOWN IN THE PLANS.
9. EXCEPT FOR EMERGENCIES, ALL CONTACT WITH AIRPORT PERSONNEL SHALL BE MADE THROUGH THE RPR. FOR EMERGENCIES INVOLVING SAFETY (INJURIES, FIRES, SECURITY BREACHES, ETC.) THE CONTRACTOR SHALL MAKE DIRECT CONTACT WITH AIRPORT OPERATIONS MANAGER FOLLOWED BY NOTIFICATION TO THE RPR AS SOON AS POSSIBLE.

10. THE CONTRACTOR SHALL PROVIDE THE PHONE NUMBERS OF THREE PERSONNEL, INCLUDING THE PROJECT SUPERINTENDENT, WHO MAY BE CONTACTED IN AN EMERGENCY. PERSONNEL SHALL BE ON CALL 24 HOURS PER DAY FOR MAINTAINING AIRPORT HAZARD LIGHTING AND BARRICADES.
11. IN ACCORDANCE WITH THE SPECIFICATIONS, FEDERAL WAGE RATES SHALL BE POSTED OUTSIDE THE SITE FIELD OFFICE(S) IN A WEATHERPROOF ENCLOSURE.

I UTILITIES

1. UNDERGROUND UTILITIES: THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE CONSIDERED TO BE ONLY APPROXIMATE LOCATIONS. ALL UTILITY LOCATIONS SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. IN THE EVENT ANY UTILITY IS DAMAGED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING FOR INCURRED COSTS OF REPAIRS.
2. THE CONTRACTOR SHALL ALSO NOTIFY "MISS UTILITY" AT 1-800-257-7777. THE COST ASSOCIATED WITH CONTACTING MISS UTILITY SHALL BE BORNE BY THE CONTRACTOR. ANY COSTS ASSOCIATED WITH DAMAGE TO UTILITIES SHALL BE BORNE BY THE CONTRACTOR.
3. UTILITIES NOTIFICATION: AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE RPR AND THE OWNER OF EACH UNDERGROUND UTILITY FACILITY AFFECTED.

J SECURITY

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF/HERSELF WITH THE VARIOUS ASPECTS OF TRANSPORTATION SECURITY ADMINISTRATION (TSA) SECTION 1542 "AIRPORT SECURITY". ANY VIOLATION OF TSA SECTION 1542 BY THE CONTRACTOR AND ANY SUBSEQUENT FINES IMPOSED DUE TO THE VIOLATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. ALL VEHICLES TO BE USED ON THE AIRPORT SHALL BE REGISTERED WITH THE AIRPORT OPERATIONS MANAGER. REGISTRATION CONSISTS OF LICENSE PLATE NUMBER AND OWNER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT VEHICLES ARE REGISTERED IN A TIMELY MANNER SO AS NOT TO DELAY THE PROJECT. VISITING VEHICLES ARE EXEMPT FROM THE REGISTRATION REQUIREMENTS SO LONG AS THEY ARE ESCORTED BY A REGISTERED VEHICLE AT ALL TIMES WHEN ON THE AOA.
3. THE AIRPORT WILL NOT PROVIDE AIRFIELD OPERATIONS AREA ESCORTS. THE CONTRACTOR MUST PROVIDE HIS OWN RADIO, ACQUAINT HIMSELF AND ANY OTHER PERSONNEL THAT ARE ANTICIPATED TO USE THE RADIO WITH THE PROPER PROCEDURES IN COMMUNICATING WITH GROUND CONTROL (FREQUENCY 121.9 MHZ). THE CONTRACTOR WILL NEED TO ATTEND SECURITY/GROUND VEHICLE OPS TRAINING.
4. THE PROJECT SUPERVISORS SHALL HAVE WITH THEM AT ALL TIMES THE TELEPHONE NUMBERS FOR THE FOLLOWING PERSONS. IN THE EVENT OF AN EMERGENCY THESE PERSONNEL SHOULD BE CONTACTED IN DESCENDING ORDER:

MR. NEIL DORAN, AIRPORT DIRECTOR
 MR. TERRY STOUFFER, AIRPORT MAINTENANCE SUPERVISOR
 MR. GENE BOLANOWSKI, OPERATIONS MANAGER
 MR. DANNY SHIRLEY, AIRPORT FIRE CHIEF

TELEPHONE NUMBERS WILL BE PROVIDED TO THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING. ADDITIONAL CONTACTS MAY BE PROVIDED TO THE CONTRACTOR AT THAT TIME.

5. WHEN CONSTRUCTION ACTIVITY IS CONDUCTED IN THE AOA, KEY PROJECT SITE SUPERVISORY PERSONNEL OF THE CONTRACTOR AND ITS SUBCONTRACTORS (INCLUDING CONSTRUCTION GATE GUARD PERSONNEL) SHALL BE ISSUED AIRPORT IDENTIFICATION (ID) BADGES. ALL INDIVIDUALS WHO RECEIVE AN AIRPORT BADGE ARE REQUIRED TO ATTEND A SECURITY TRAINING CLASS PROVIDED BY THE AIRPORT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPLICATIONS AND MAKE ALL NECESSARY ARRANGEMENTS TO ENABLE ITS PERSONNEL TO OBTAIN ID BADGES. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ENSURING THAT IT HAS SUFFICIENT SUPERVISORY AND CONSTRUCTION GATE PERSONNEL ON THE PROJECT SITE WHENEVER WORK IS OCCURRING TO FULFILL THE RESPONSIBILITIES.

PROJECT SITE SUPERVISORY PERSONNEL ARE SUBJECT TO FEDERAL CRIMINAL RECORDS CHECKS AND MUST PROVIDE EMPLOYMENT VERIFICATION FORMS THAT COVER THE LAST TEN (10) YEARS OF EMPLOYMENT AND EDUCATION. INFORMATION ON THESE FORMS WILL BE VERIFIED BY THE AIRPORT.

APPLICATIONS AND FORMS CAN BE OBTAINED FROM THE AIRPORT BY CALLING MR. GENE BOLANOWSKI, 240-313-2769. ALL APPLICATIONS AND FORMS ARE TO BE SUBMITTED TO THE AIRPORT AT LEAST TWO (2) WEEKS PRIOR TO THE PROJECT START DATE IN ORDER TO ALLOW TIME TO PERFORM THE EMPLOYMENT AND BACKGROUND CHECKS. THERE IS A REFUNDABLE DEPOSIT OF ONE HUNDRED DOLLARS (\$100.00) FOR EACH PHOTO ID BADGE ISSUED. PAYMENT MUST ACCOMPANY THE APPLICATION. APPLICATIONS, ACCESS INVESTIGATION FORMS AND EMPLOYMENT VERIFICATION FORMS MUST BE FILLED OUT COMPLETELY BEFORE AN APPLICATION WILL BE PROCESSED. NON-REFUNDABLE CONTRACTOR BADGE FEES WILL NOT BE RETURNED TO THE CONTRACTOR IF AN APPLICATION CANNOT BE PROCESSED BECAUSE IT IS INCOMPLETE. COST FOR SECURITY SHALL BE INCLUDED IN CONTRACTORS BID PRICE FOR MOBILIZATION/DEMobilIZATION.

PHOTO ID BADGES MUST BE RETURNED TO THE AIRPORT ID PROCESSING OFFICE NO LATER THAN FIVE (5) DAYS AFTER COMPLETION OF THE CONTRACT TO RECEIVE A REFUND OF THE DEPOSIT AND MUST BE RETURNED BEFORE THE FINAL PAY ESTIMATE WILL BE PROCESSED. IN ADDITION TO THE LOSS OF THE BADGE SECURITY DEPOSIT, HOLDERS OF BADGES WHICH ARE LOST WILL BE ASSESSED A BADGE REPLACEMENT FEE OF FIFTY DOLLARS (\$50.00). THE AIRPORT MUST BE NOTIFIED IMMEDIATELY IF A BADGE IS LOST OR STOLEN OR IF ITS HOLDER TERMINATES EMPLOYMENT OR IS REASSIGNED.


PHOTO ID BADGES SHALL BE DISPLAYED ON THE OUTERMOST GARMENT ABOVE THE WAIST SO THEY CAN BE SEEN BY FAA, POLICE AND OTHER AIRPORT PERSONNEL.

CONSULTANT:



ADCI
 AIRPORT DESIGN CONSULTANTS
 6031 UNIVERSITY BLVD, SUITE 330
 ELLICOTT CITY, MD 21043
 TEL: 410.465.9600
 FAX: 410.465.9602

SEAL:



PROFESSIONAL CERTIFICATION:
 "I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND"
 LICENSE NO. 32705
 EXPIRATION DATE: 2/21/2026

DESIGNED:	REVISION NO.	REVISION DATE	DESCRIPTIONS
M.J.B.			
DRAWN:			
R.D.H.			
CHECKED:			
R.N.M.			
APPROVED:			
M.S.K.			



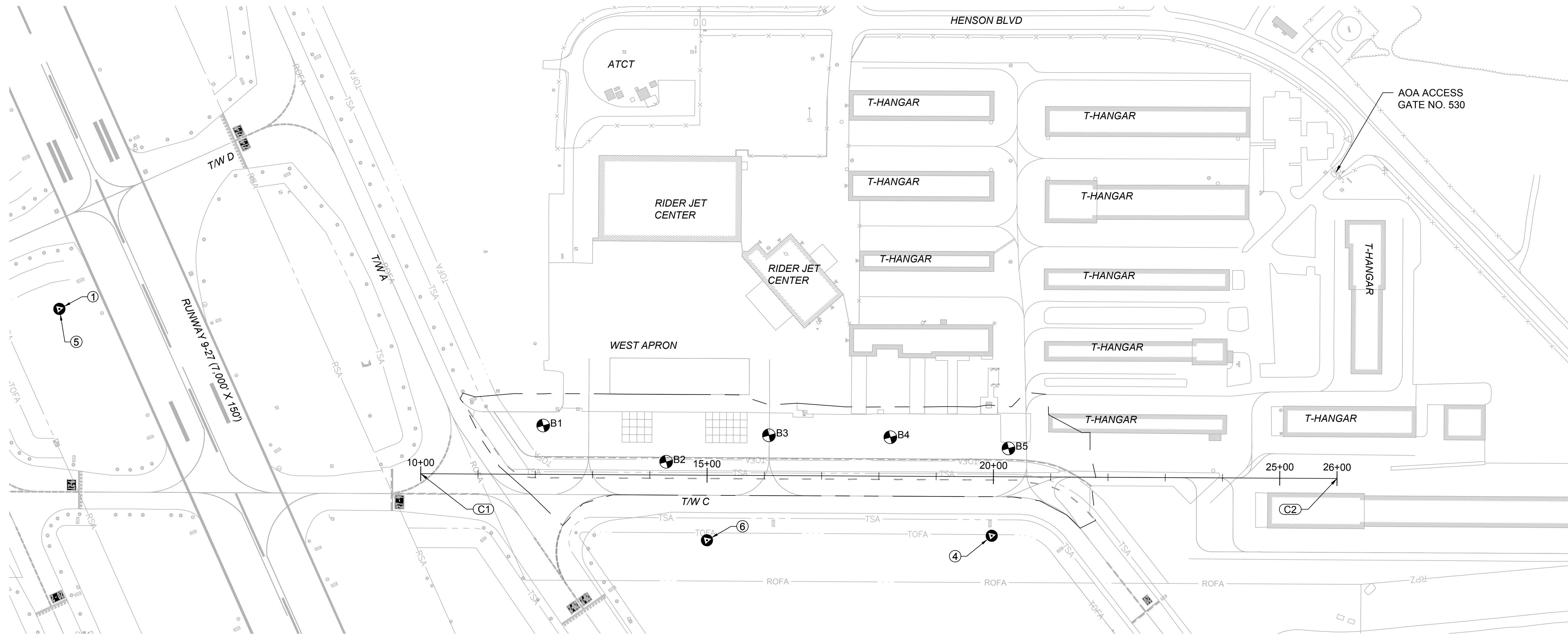
HAGERSTOWN REGIONAL AIRPORT
 Washington County, MD

PROJECT TITLE:	TAXIWAY C OFA REHABILITATION	
SHEET TITLE:	GENERAL CONSTRUCTION AND SAFETY NOTES 2	
SCALE:	N.A.	DATE: APRIL 2024

FAA AIG No.: 324-00194070-2024 (DESIGN/CONSTRUCTION)
 Bid No.: PUR-1674

SHEET NO.: **G201**

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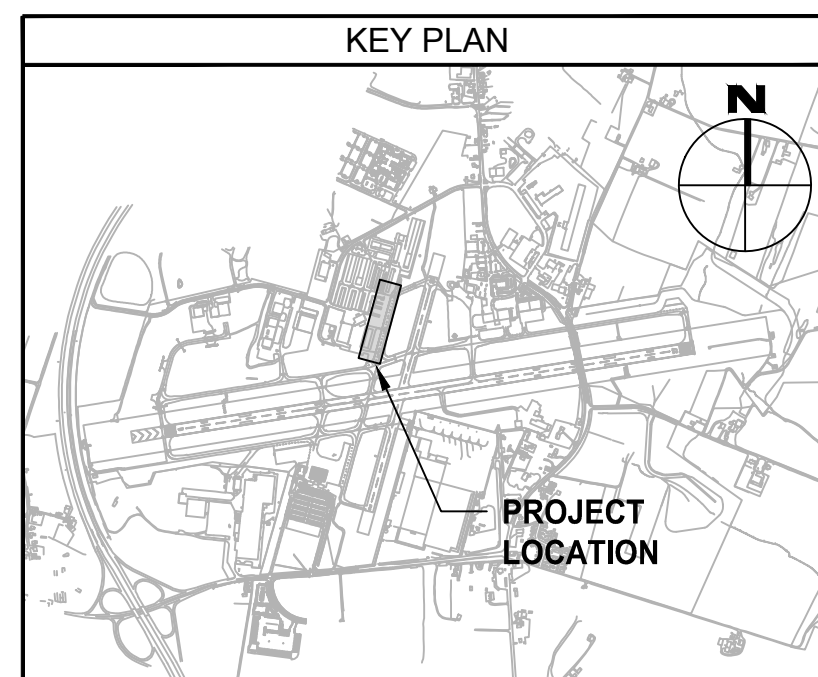
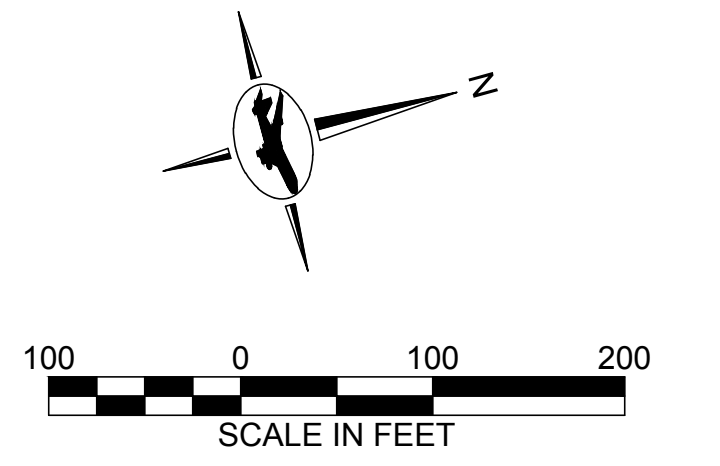
- NOTES:**
- ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
 - SEE SHEET C400 FOR BORING LOGS.

- LEGEND:**
- SURVEY LIMITS
 - SURVEY CONTROL POINT
 - BORING LOCATION

SURVEY CONTROL TABLE						
POINT #	LATITUDE	LONGITUDE	ELEVATION **	NORTHING *	EASTING *	DESCRIPTION
1	N039° 42' 27.34"	W077° 43' 48.90"	687.00	744141.2190	1106864.9930	SECONDARY AIRPORT CONTROL STATION (SACS) HGR ARP (NGS PID JV7051)
2	N039° 42' 22.06"	W077° 44' 29.79"	653.80	743632.2986	1103664.8033	PRIMARY AIRPORT CONTROL STATION (PACS) HGR AP ST B (NGS PID JV7053)
3	N039° 42' 30.93"	W077° 43' 21.12"	697.60	744487.1713	1109039.2373	SECONDARY AIRPORT CONTROL STATION (SACS) HGR AP STA A (NGS PID AA9254)
4	N039° 42' 41.93"	W077° 43' 38.76"	697.20	745611.2299	1107669.1883	GPS-RBC
5	N039° 42' 27.34"	W077° 43' 48.90"	686.97	744141.2789	1106864.9395	MON-PUB JV7051 CK W/GUN
6	N039° 42' 37.15"	W077° 43' 40.26"	697.46	745128.9523	1107547.9523	GPS-RBC

CONTROL POINTS 2 AND 3 NOT VISIBLE ON PLAN SHEET
 * HORIZONTAL DATUM: NAD83 MARYLAND STATE PLANE COORDINATE SYSTEM, US FOOT
 ** VERTICAL DATUM: NAVD88

BASELINE LAYOUT					
POINT #	BASELINE	STATION	DESCRIPTION	NORTHING	EASTING
C1	TW C OFA	10+00.00	START	744676.26	1107306.25
C2	TW C OFA	26+00.00	END	746219.55	1107728.46



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 LICENSE NO. 32705
 EXPIRATION DATE: 2/21/2026

DESIGNED:	REVISION NO.	REVISION DATE	DESCRIPTIONS
M.J.B.			
DRAWN:			
R.D.H.			
CHECKED:			
R.N.M.			
APPROVED:			
M.S.K.			

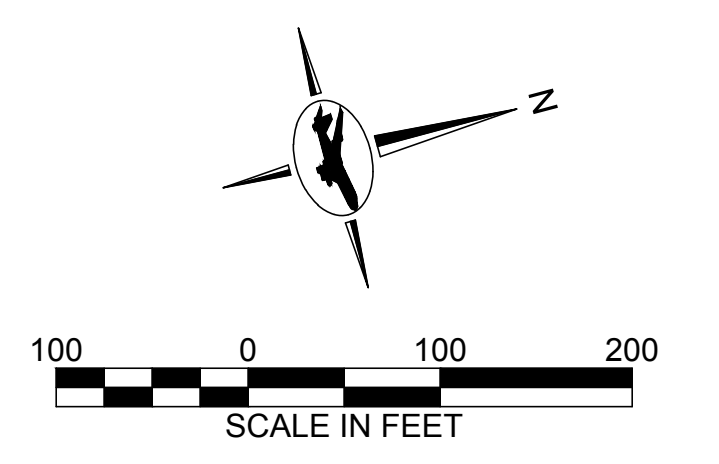
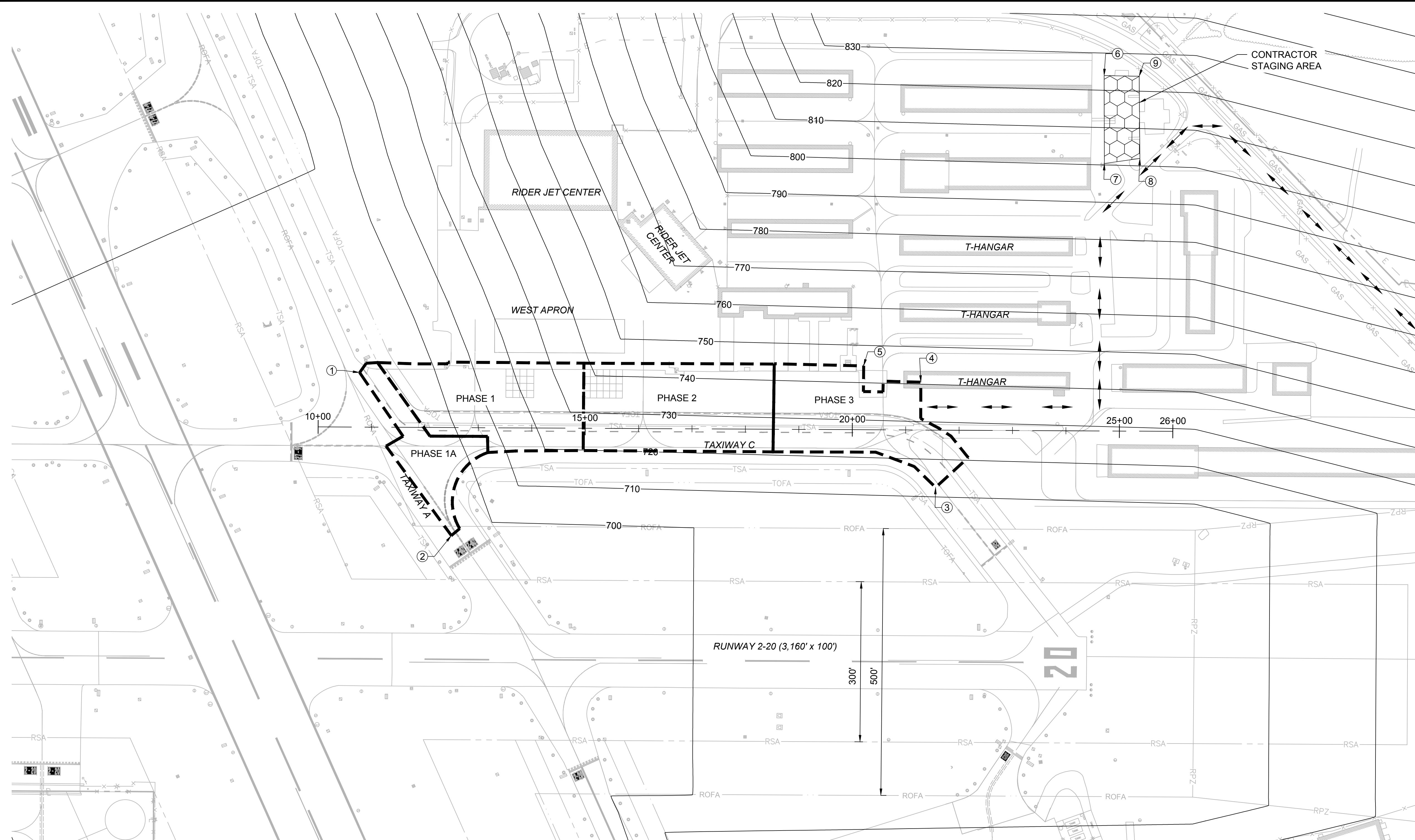
HAGERSTOWN REGIONAL AIRPORT
 Washington County, MD

PROJECT TITLE:	TAXIWAY C OFA REHABILITATION
SHEET TITLE:	SURVEY CONTROL, BASELINE LAYOUT, AND BORING PLAN
SCALE:	AS SHOWN
DATE:	APRIL 2024

FAA AIG No.: 3-24-0019-070-2024 (DESIGN/CONSTRUCTION)
 Bid No.: PUR-1674

SHEET NO.:
G203

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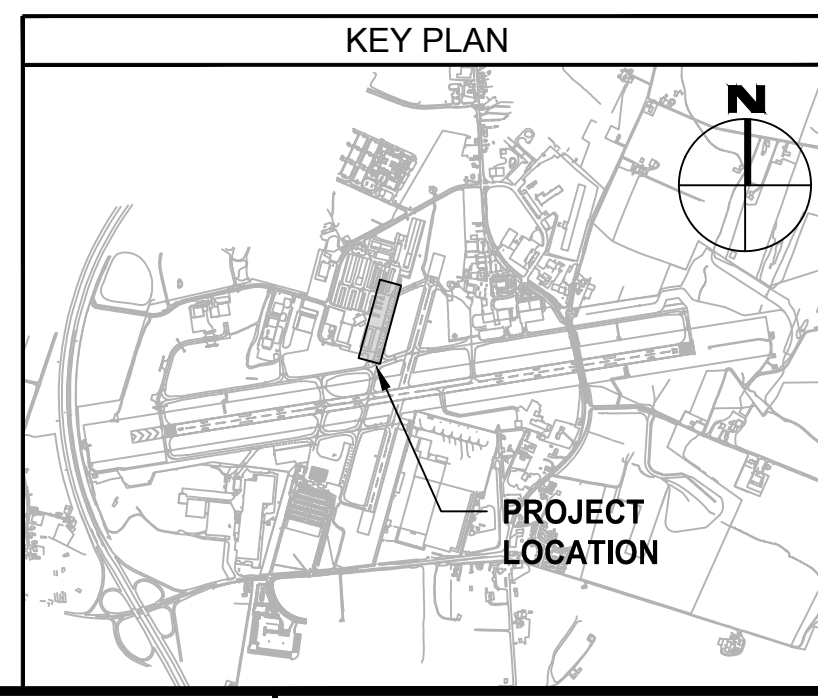


- NOTES:**
- EQUIPMENT (WITHOUT OPERATORS), MATERIALS, AND TEMPORARY STOCKPILES MUST NOT PENETRATE THE PART 77 HEIGHT RESTRICTIONS. NO EQUIPMENT SHALL PENETRATE OFZ ELEVATIONS.
 - ALL ELEVATIONS ARE PROVIDED IN NAVD88 DATUM.
 - ALL HEIGHTS SHOWN ON THIS PLAN ARE AGL (ABOVE GROUND LEVEL) WITH RESPECT TO THE MAXIMUM EQUIPMENT HEIGHT TABLE.
 - THIS PLAN WAS COORDINATED WITH THE FEDERAL AVIATION ADMINISTRATION (FAA). ANY REQUEST FOR EQUIPMENT HIGHER THAN PERMITTED ON THIS PLAN SHALL BE RESUBMITTED BY THE CONTRACTOR (APPROVAL PERIOD UP TO 90 DAYS). THE PLAN IS INTENDED AS A GUIDE. CONTRACTOR TO CONFIRM WORK LIMITS WITH THE RPR.
 - EXISTING GROUND AND OFZ CONTOURS ARE NOT SHOWN FOR CLARITY.

- LEGEND:**
- WORK AREA
 - EXISTING AOA FENCE
 - POINT #
 - FAR PART 77 CONTOUR
 - HAUL ROUTE

MAXIMUM EQUIPMENT HEIGHT								
POINT #	NORTHING	EASTING	LATITUDE (N)	LONGITUDE (W)	SITE ELEV.	PART 77 ELEV.	OFZ ELEV.	MAX. ALLOWABLE HEIGHT (AGL)
1	744777.73	1107228.08	39° 42' 33.66"	77° 43' 44.32"	693.3	692.3	745.9	52.6'
2	744864.47	1107567.44	39° 42' 34.54"	77° 43' 39.99"	694.2	693.9	751.2	57.0'
3	745763.49	1107714.96	39° 42' 43.44"	77° 43' 38.19"	697.0	725.6	853.1	156.1'
4	745787.91	1107517.33	39° 42' 43.66"	77° 43' 40.72"	698.9	738.9	853.1	154.2'
5	745692.35	1107460.22	39° 42' 42.71"	77° 43' 41.44"	697.8	746.3	853.1	155.3'

MAXIMUM PERMANENT HEIGHT								
POINT #	NORTHING	EASTING	LATITUDE (N)	LONGITUDE (W)	SITE ELEV.	PART 77 ELEV.	OFZ ELEV.	MAX. ALLOWABLE HEIGHT (AGL)
6	746267.79	1107051.54	39° 42' 48.37"	77° 43' 46.73"	699.0	824.0	853.1	125.0'
7	746225.74	1107210.74	39° 42' 47.97"	77° 43' 44.69"	699.0	800.5	853.1	101.5'
8	746292.35	1107218.76	39° 42' 48.62"	77° 43' 44.60"	702.0	802.1	853.1	100.1'
9	746331.00	1107069.61	39° 42' 49.00"	77° 43' 46.51"	702.0	824.1	853.1	122.1'



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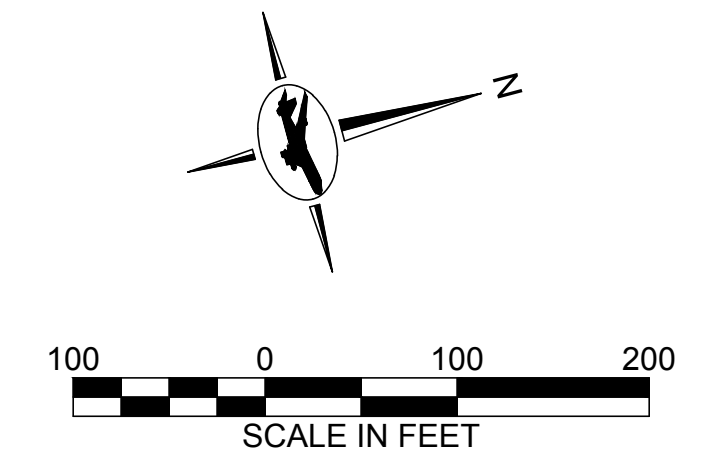
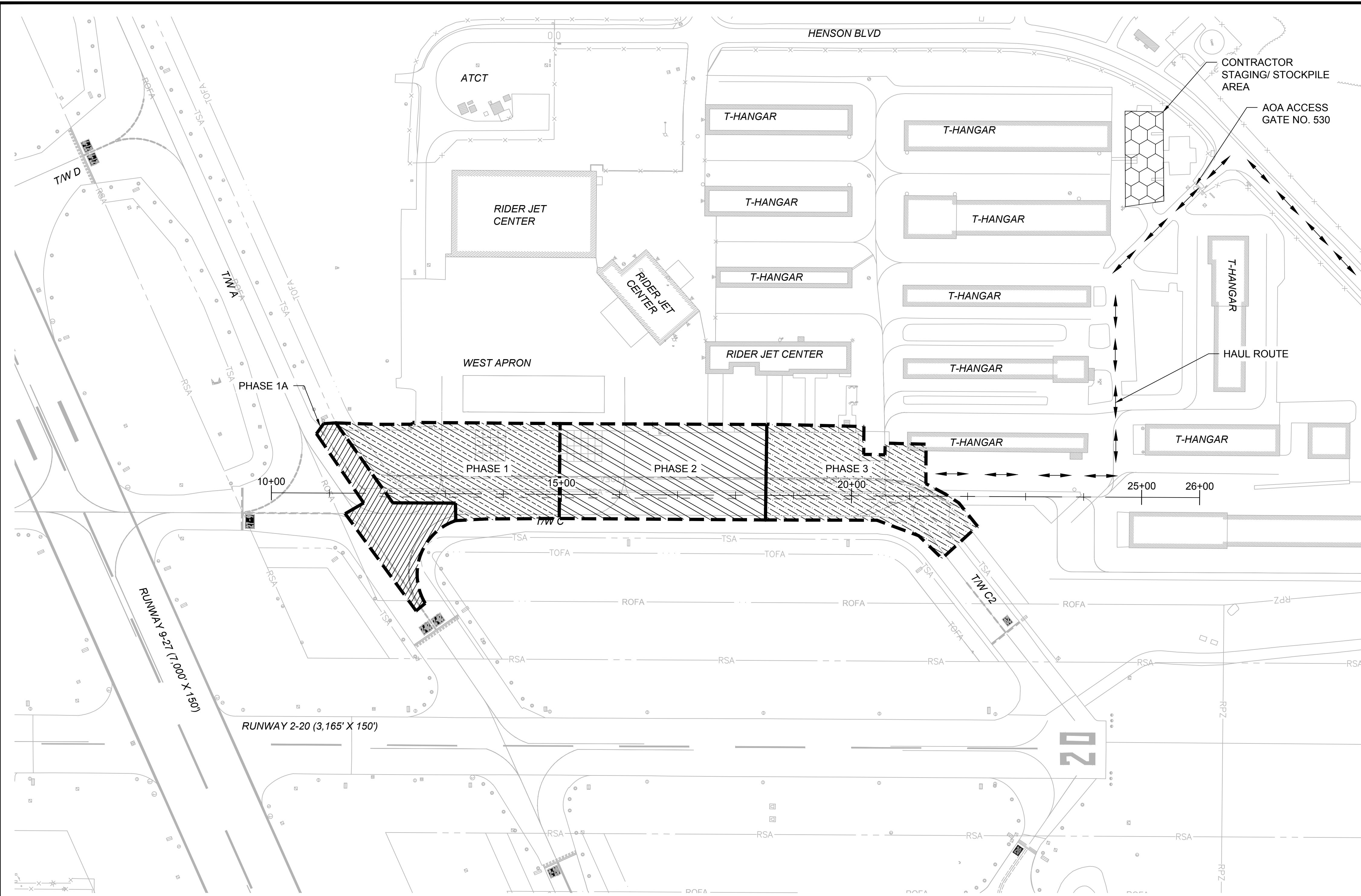
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M.J.B.			
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R.D.H.			
CHECKED:			
R.N.M.			
APPROVED:			
M.S.K.			

HAGERSTOWN REGIONAL AIRPORT
 Washington County, MD

PROJECT TITLE:	TAXIWAY C OFA REHABILITATION
SHEET TITLE:	MAXIMUM EQUIPMENT HEIGHT PLAN
SCALE:	AS SHOWN
DATE:	APRIL 2024

FAA AIG No.: 324-019470-2024 (DESIGN/CONSTRUCTION)
 Bid No.: PUR-1674

SHEET NO.: **G204**
 7 OF 18



1. SEE SHEETS G200 AND G201 FOR GENERAL CONSTRUCTION AND SAFETY NOTES AND G500 FOR CONSTRUCTION SAFETY AND PHASING NOTES AND DETAILS.
2. SEE SHEET G204 FOR MAXIMUM EQUIPMENT HEIGHT PLAN.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GATE GUARDS AND ESCORTS.
4. PHASES 1 AND 1A MAY BE CONCURRENT.

LIQUIDATED DAMAGES:
\$1,500 PER DAY BEYOND CONTRACT DURATION

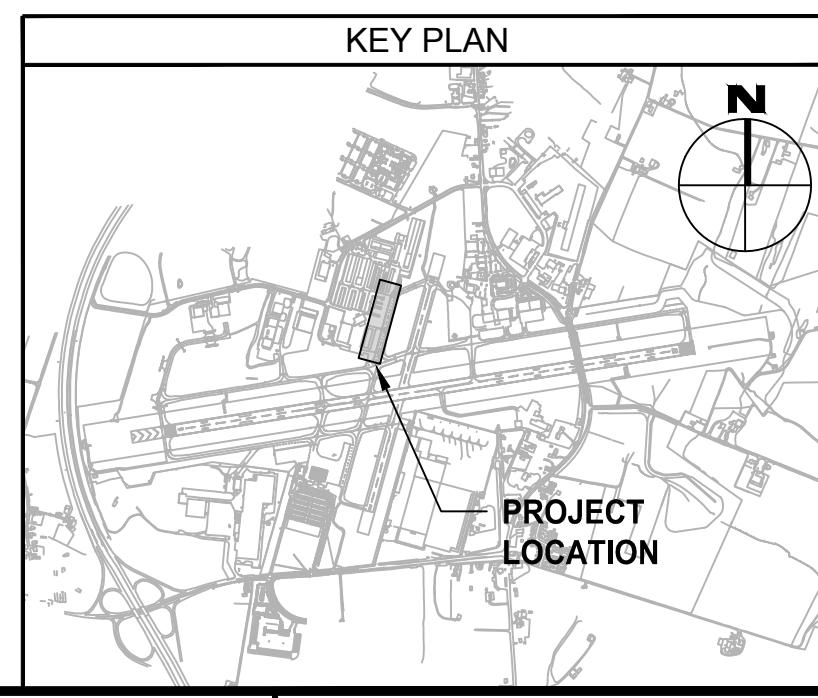
CONSTRUCTION WORK HOURS:
NO RESTRICTIONS

CONTRACT DURATION:
**20 CONSECUTIVE CALENDAR DAYS
 (DOES NOT INCLUDE MOBILIZATION AND CLOSEOUT)**

- LEGEND:**
- PHASE 1
 - PHASE 1A (WORK WITHIN RESTRICTED AREA)
 - PHASE 2
 - PHASE 3
 - HAUL ROUTE
 - CONTRACTOR STAGING / STOCKPILE AREA
 - RPZ — RUNWAY PROTECTION ZONE
 - RSA — RUNWAY SAFETY AREA
 - ROFA — RUNWAY OBJECT FREE AREA
 - TOFA — TAXIWAY OBJECT FREE AREA
 - TSA — TAXIWAY SAFETY AREA

CONCEPTUAL CONSTRUCTION SCHEDULE	
PHASE	DURATION (CALENDAR DAYS)
1	5
2	4
3	3
4*	1
TOTAL WORKING DAYS	13
NON-WORK (WEEKEND/WEATHER) DAYS	7
TOTAL CALENDAR DAYS	20

* PHASE 4 CONSISTS OF PERMANENT PAVEMENT MARKING APPLICATION 28 DAYS AFTER PAVING COMPLETION.



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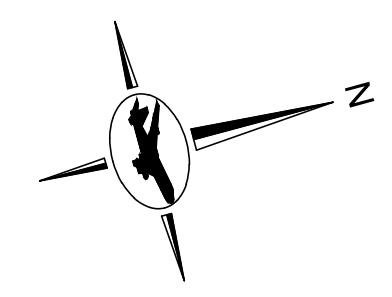
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M.S.K.			

HAGERSTOWN REGIONAL AIRPORT
 Washington County, MD

PROJECT TITLE:	TAXIWAY C OFA REHABILITATION	
SHEET TITLE:	OVERALL CONSTRUCTION SAFETY AND PHASING PLAN	
SCALE:	AS SHOWN	DATE: APRIL 2024

FAA AIG No.: 324-0019-070-2024 (DESIGN/CONSTRUCTION)
 Bid No.: PUR-1674

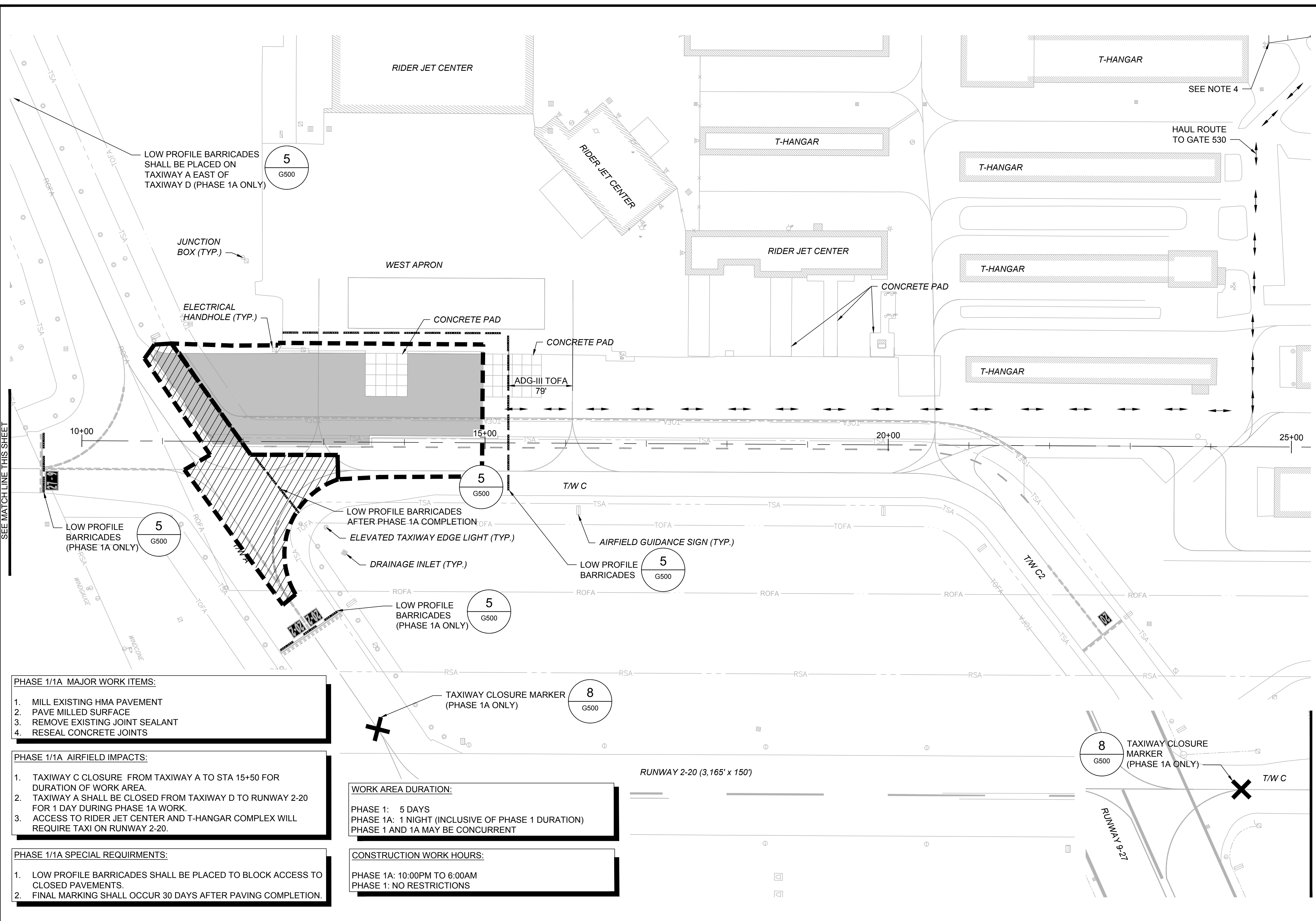
SHEET NO.: **G300**
 8 OF 18



1. SEE SHEET G200 AND G201 FOR GENERAL CONSTRUCTION AND SAFETY NOTES AND G500 FOR CONSTRUCTION SAFETY AND PHASING NOTES AND DETAILS.
2. SEE SHEET G204 FOR MAXIMUM EQUIPMENT HEIGHT PLAN.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GATE GUARDS AND ESCORTS.
4. SEE SHEET G300 FOR CONTRACTOR STAGING AND STOCKPILE LOCATIONS.

LEGEND:

- PHASE 1 WORK LIMITS
- PHASE 1A WORK WITHIN RESTRICTED AREA
- PHASE 1 PAVING LIMITS
- HAUL ROUTE
- LOW PROFILE BARRICADES
- RSA - RUNWAY SAFETY AREA
- ROFA - RUNWAY OBJECT FREE AREA
- EXISTING AOA FENCE
- TSA - TAXIWAY SAFETY AREA
- TOFA - TAXIWAY OBJECT FREE AREA



- PHASE 1/1A MAJOR WORK ITEMS:**
1. MILL EXISTING HMA PAVEMENT
 2. PAVE MILLED SURFACE
 3. REMOVE EXISTING JOINT SEALANT
 4. RESEAL CONCRETE JOINTS

- PHASE 1/1A AIRFIELD IMPACTS:**
1. TAXIWAY C CLOSURE FROM TAXIWAY A TO STA 15+50 FOR DURATION OF WORK AREA.
 2. TAXIWAY A SHALL BE CLOSED FROM TAXIWAY D TO RUNWAY 2-20 FOR 1 DAY DURING PHASE 1A WORK.
 3. ACCESS TO RIDER JET CENTER AND T-HANGAR COMPLEX WILL REQUIRE TAXI ON RUNWAY 2-20.

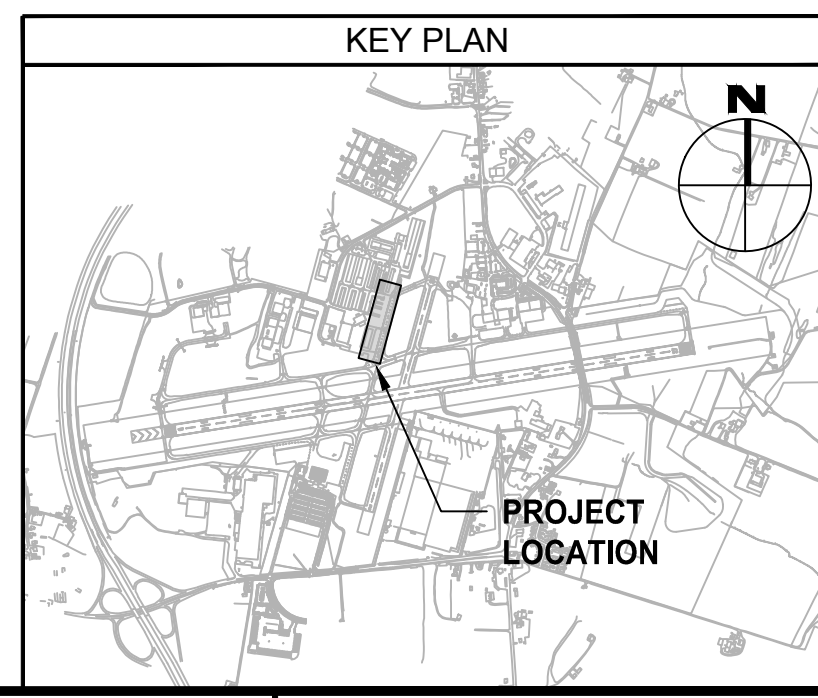
- PHASE 1/1A SPECIAL REQUIREMENTS:**
1. LOW PROFILE BARRICADES SHALL BE PLACED TO BLOCK ACCESS TO CLOSED PAVEMENTS.
 2. FINAL MARKING SHALL OCCUR 30 DAYS AFTER PAVING COMPLETION.

WORK AREA DURATION:

PHASE 1: 5 DAYS
 PHASE 1A: 1 NIGHT (INCLUSIVE OF PHASE 1 DURATION)
 PHASE 1 AND 1A MAY BE CONCURRENT

CONSTRUCTION WORK HOURS:

PHASE 1A: 10:00PM TO 6:00AM
 PHASE 1: NO RESTRICTIONS



CONSULTANT:

ADCI
 AIRPORT DESIGN CONSULTANTS
 6031 UNIVERSITY BLVD, SUITE 330
 ELLICOTT CITY, MD 21043
 TEL: 410.465.9600
 FAX: 410.465.9602

SEAL:

PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. 32705
 EXPIRATION DATE: 2/21/2026

DESIGNED: M.J.B.
DRAWN: R.D.H.
CHECKED: R.N.M.
APPROVED: M.S.K.

HGR HAGERSTOWN REGIONAL AIRPORT
 Washington County, MD

PROJECT TITLE: TAXIWAY C OFA REHABILITATION

SHEET TITLE: CONSTRUCTION SAFETY AND PHASING PLAN 1

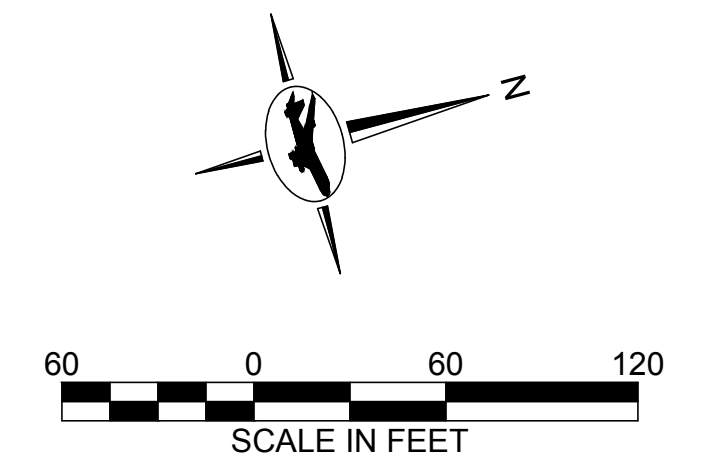
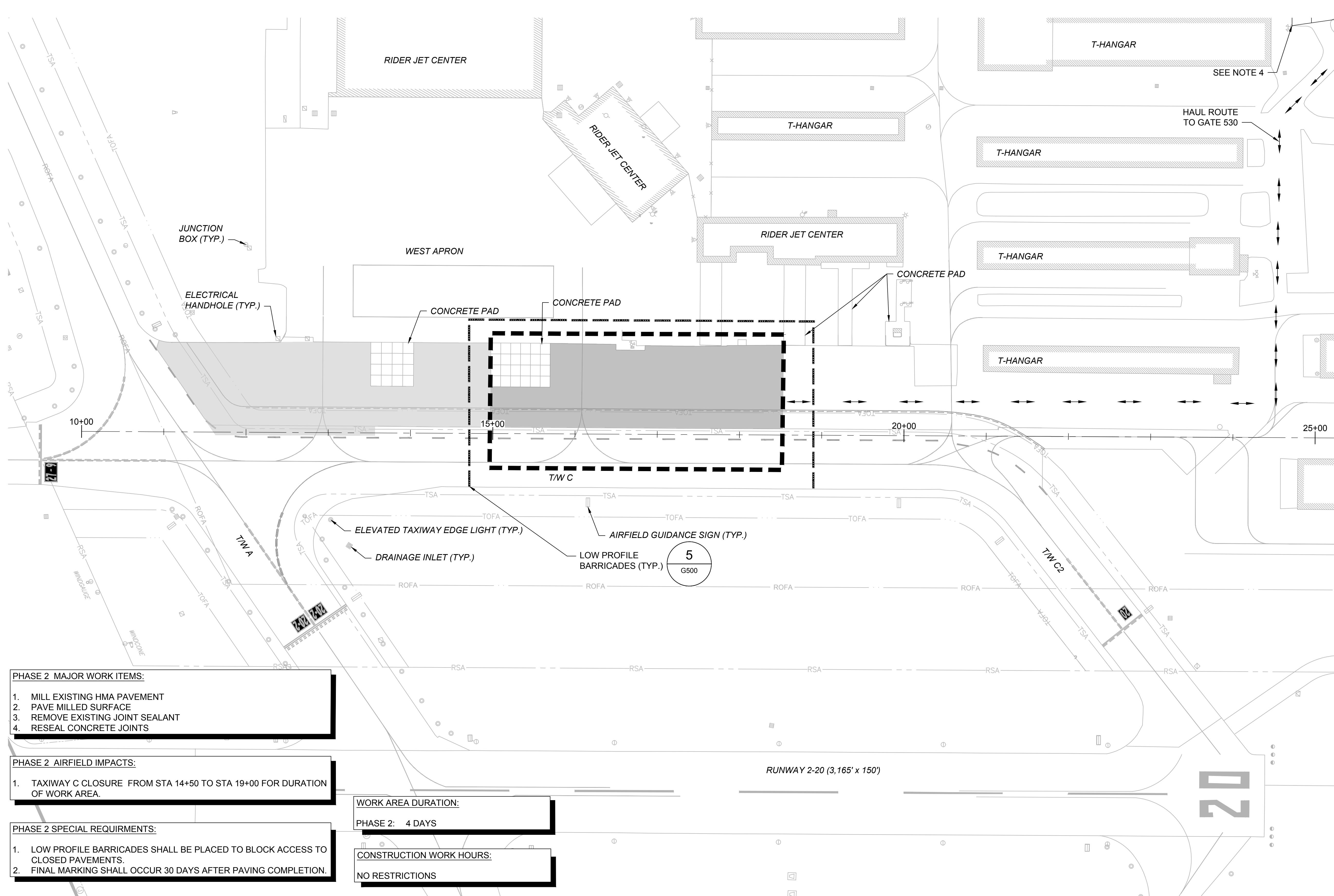
SCALE: AS SHOWN

DATE: APRIL 2024

FAA AIG No.: 324-0019470-2024 (DESIGN/CONSTRUCTION)
 Bid No.: PUR-1674

SHEET NO.: G301

9 OF 18



1. SEE SHEET G200 AND G201 FOR GENERAL CONSTRUCTION AND SAFETY NOTES AND G500 FOR CONSTRUCTION SAFETY AND PHASING NOTES AND DETAILS.
2. SEE SHEET G204 FOR MAXIMUM EQUIPMENT HEIGHT PLAN.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GATE GUARDS AND ESCORTS.
4. SEE SHEET G300 FOR CONTRACTOR STAGING AND STOCKPILE LOCATIONS.

LEGEND:

- PHASE 2 WORK LIMITS
- PHASE 2 PAVING LIMITS
- COMPLETED PAVING
- HAUL ROUTE
- LOW PROFILE BARRICADES
- RUNWAY SAFETY AREA
- RUNWAY OBJECT FREE AREA
- EXISTING AOA FENCE
- TAXIWAY SAFETY AREA
- TAXIWAY OBJECT FREE AREA

PHASE 2 MAJOR WORK ITEMS:

1. MILL EXISTING HMA PAVEMENT
2. PAVE MILLED SURFACE
3. REMOVE EXISTING JOINT SEALANT
4. RESEAL CONCRETE JOINTS

PHASE 2 AIRFIELD IMPACTS:

1. TAXIWAY C CLOSURE FROM STA 14+50 TO STA 19+00 FOR DURATION OF WORK AREA.

PHASE 2 SPECIAL REQUIREMENTS:

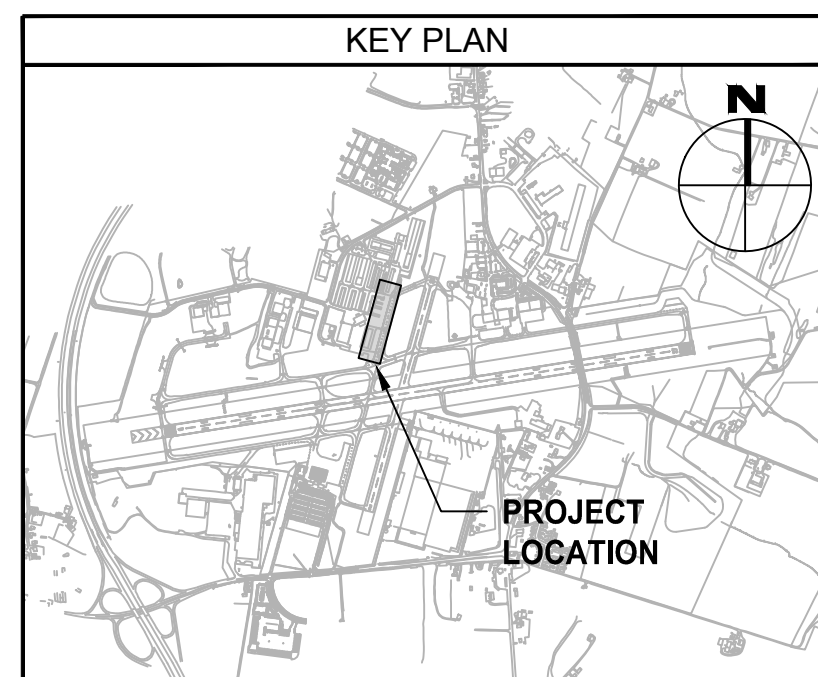
1. LOW PROFILE BARRICADES SHALL BE PLACED TO BLOCK ACCESS TO CLOSED PAVEMENTS.
2. FINAL MARKING SHALL OCCUR 30 DAYS AFTER PAVING COMPLETION.

WORK AREA DURATION:

PHASE 2: 4 DAYS

CONSTRUCTION WORK HOURS:

NO RESTRICTIONS



CONSULTANT:

ADCI
AIRPORT DESIGN CONSULTANTS
6031 UNIVERSITY BLVD, SUITE 330
ELLICOTT CITY, MD 21043
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LICENSE NO. 32705
EXPIRATION DATE: 2/21/2026

DESIGNED:	REVISION NO.	REVISION DATE	DESCRIPTIONS
M.J.B.			
DRAWN:			
R.D.H.			
CHECKED:			
R.N.M.			
APPROVED:			
M.S.K.			

HAGERSTOWN REGIONAL AIRPORT
Washington County, MD

PROJECT TITLE: TAXIWAY C OFA REHABILITATION

SHEET TITLE: CONSTRUCTION SAFETY AND PHASING PLAN 2

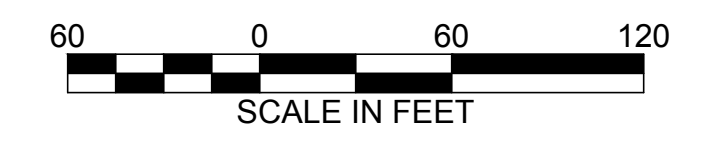
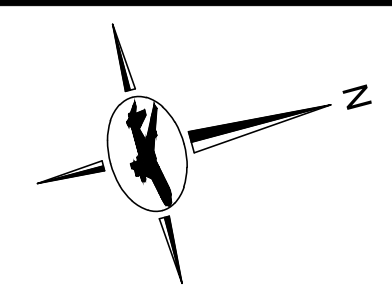
SCALE: AS SHOWN

DATE: APRIL 2024

FAA AIG No.: 324-019470-2024 (DESIGN/CONSTRUCTION)
Bid No.: PUR-1674

SHEET NO.: G302

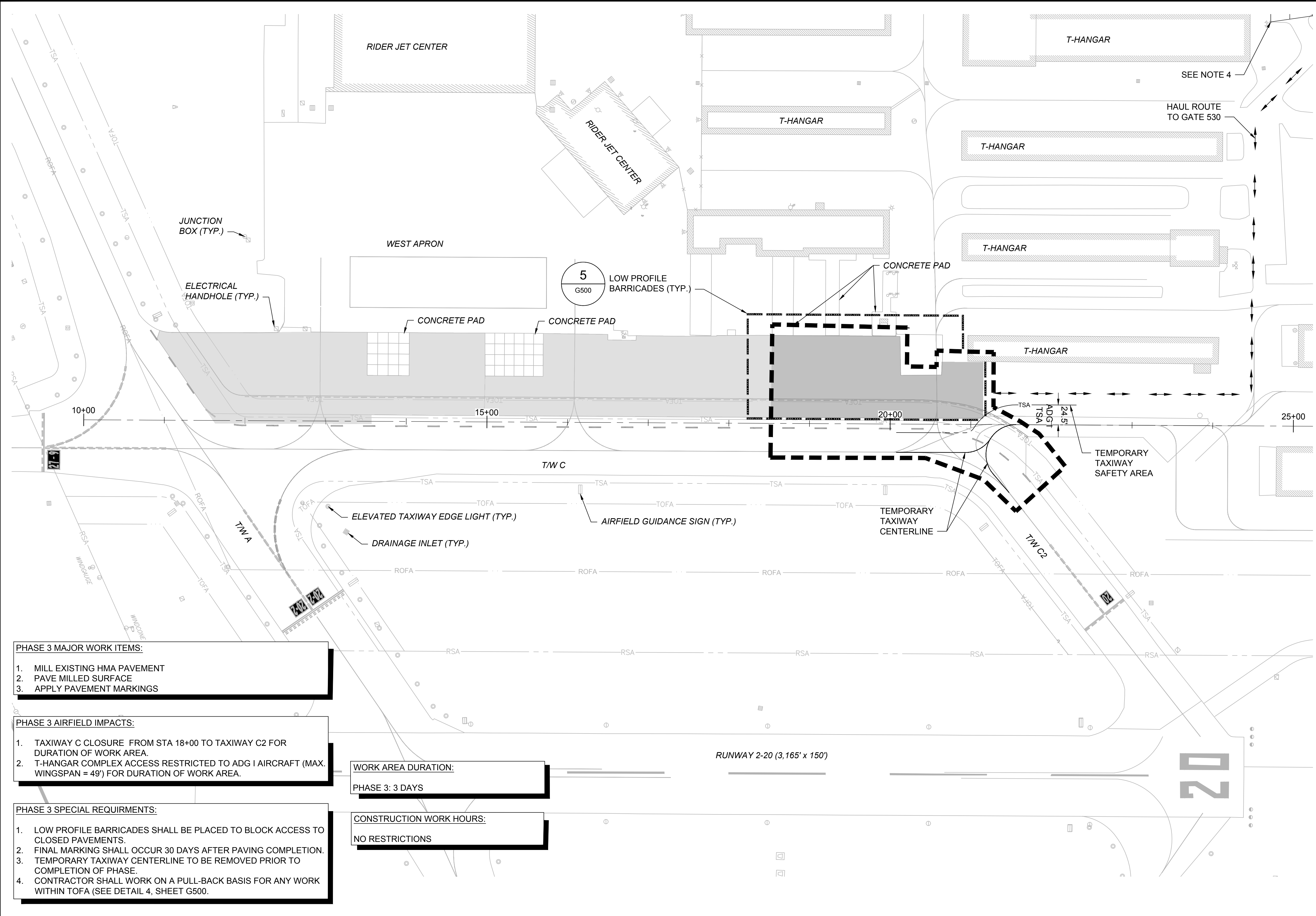
10 OF 18



- SEE SHEET G200 AND G201 FOR GENERAL CONSTRUCTION AND SAFETY NOTES AND G500 FOR CONSTRUCTION SAFETY AND PHASING NOTES AND DETAILS.
- SEE SHEET G204 FOR MAXIMUM EQUIPMENT HEIGHT PLAN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GATE GUARDS AND ESCORTS.
- SEE SHEET G300 FOR CONTRACTOR STAGING AND STOCKPILE LOCATIONS.

LEGEND:

- PHASE 3 WORK LIMITS
- PHASE 3 PAVING LIMITS
- COMPLETED PAVING
- HAUL ROUTE
- LOW PROFILE BARRICADES
- TEMPORARY TAXIWAY CENTERLINE
- TSA TEMPORARY TAXIWAY SAFETY AREA
- RSA RUNWAY SAFETY AREA
- ROFA RUNWAY OBJECT FREE AREA
- EXISTING AOA FENCE
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA



PHASE 3 MAJOR WORK ITEMS:

- MILL EXISTING HMA PAVEMENT
- PAVE MILLED SURFACE
- APPLY PAVEMENT MARKINGS

PHASE 3 AIRFIELD IMPACTS:

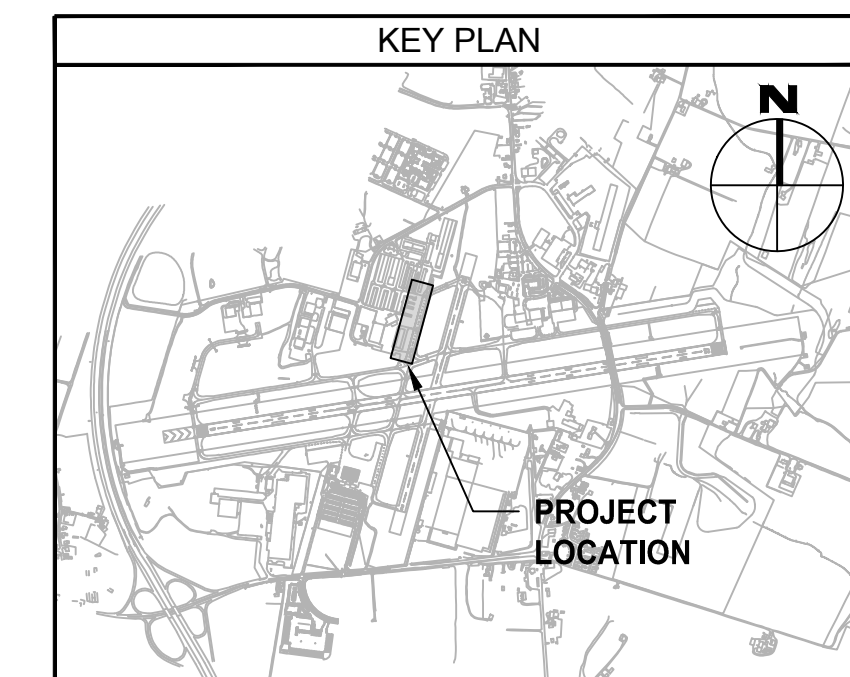
- TAXIWAY C CLOSURE FROM STA 18+00 TO TAXIWAY C2 FOR DURATION OF WORK AREA.
- T-HANGAR COMPLEX ACCESS RESTRICTED TO ADG I AIRCRAFT (MAX. WINGSPAN = 49') FOR DURATION OF WORK AREA.

PHASE 3 SPECIAL REQUIRMENTS:

- LOW PROFILE BARRICADES SHALL BE PLACED TO BLOCK ACCESS TO CLOSED PAVEMENTS.
- FINAL MARKING SHALL OCCUR 30 DAYS AFTER PAVING COMPLETION.
- TEMPORARY TAXIWAY CENTERLINE TO BE REMOVED PRIOR TO COMPLETION OF PHASE.
- CONTRACTOR SHALL WORK ON A PULL-BACK BASIS FOR ANY WORK WITHIN TOFA (SEE DETAIL 4, SHEET G500).

WORK AREA DURATION:
PHASE 3: 3 DAYS

CONSTRUCTION WORK HOURS:
NO RESTRICTIONS



CONSULTANT:

ADCI
AIRPORT DESIGN CONSULTANTS
6031 UNIVERSITY BLVD, SUITE 330
ELLICOTT CITY, MD 21043
TEL: 410.465.9600
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SEAL:

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	DRAWN:			
	R.D.H.			
	CHECKED:			
	R.N.M.			
APPROVED:				
	M.S.K.			

HAGERSTOWN REGIONAL AIRPORT
Washington County, MD

PROJECT TITLE:	TAXIWAY C OFA REHABILITATION
SHEET TITLE:	CONSTRUCTION SAFETY AND PHASING PLAN 3
SCALE:	AS SHOWN
DATE:	APRIL 2024

FAA AIG No.: 324-019470-2024 (DESIGN/CONSTRUCTION)
Bid No.: PUR-1674

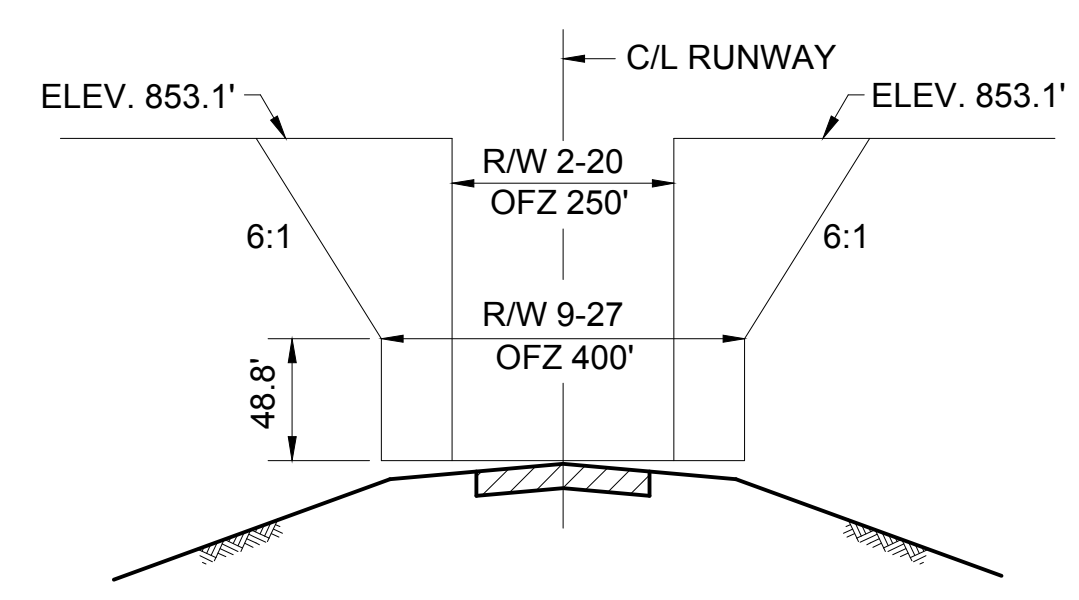
SHEET NO.: **G303**
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GENERAL PHASING NOTES:

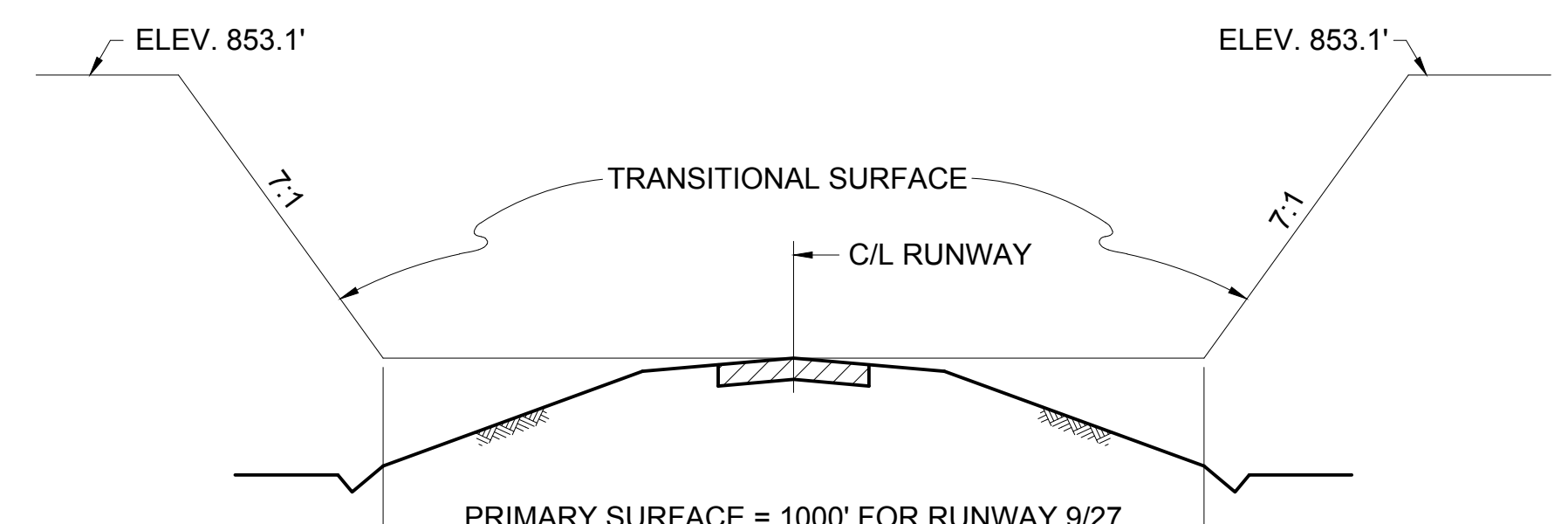
1. THE INTENT OF THE PHASING PLAN IS TO MINIMIZE THE IMPACT OF CONSTRUCTION ON THE OPERATION OF THE AIRPORT. THE CONTRACTOR SHALL CONSTRUCT THE PROJECT AS OUTLINED IN THE PLANS UNLESS OTHERWISE APPROVED BY THE RESIDENT PROJECT REPRESENTATIVE (RPR). ADJUSTMENTS TO THE PHASING PLAN MAY BE NECESSARY TO ACCOMMODATE UNFORESEEN PROBLEMS WITH AIRPORT OPERATION.
2. THE CONTRACTOR SHALL PROVIDE, MAINTAIN, MOVE, REMOVE (AS DIRECTED) CONSTRUCTION BARRIERS TO DELINEATE AREAS CLOSED TO AIRCRAFT TRAFFIC AND TO MARK ALL OPEN EXCAVATIONS, PAVEMENT DROP-OFFS ETC.
3. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE FOR REVIEW AND APPROVAL OF THE RPR PRIOR TO STARTING CONSTRUCTION. STRICT ADHERENCE TO THE APPROVED SCHEDULE WILL BE ENFORCED TO AVOID CONFLICTS WITH OTHER CONSTRUCTION ACTIVITIES AND ADVERSE EFFECTS ON AIRPORT OPERATIONS.
4. ELECTRICAL WORK SHALL BE SEQUENCED TO MAINTAIN ALL ELECTRICAL SYSTEMS WITHOUT ANY INTERRUPTIONS. TEMPORARY WIRING IF REQUIRED SHALL BE INCIDENTAL TO THE CORRESPONDING ELECTRICAL WORK. ALL ELECTRICAL WORK SHALL BE COORDINATED WITH THE RPR AND THE AIRPORT MAINTENANCE DEPARTMENT.
5. EROSION AND SEDIMENT CONTROL DEVICES MUST BE IN PLACE PRIOR TO THE START OF GRADING OPERATIONS.
6. ACTIVE PAVEMENTS MUST BE KEPT CLEAR AND FREE OF DEBRIS AT ALL TIMES. THE CONTRACTOR MUST HAVE A VACUUM SWEEPER AND OPERATOR READY AT ALL TIMES DURING WORK ADJACENT TO ACTIVE AIRFIELD PAVEMENTS.
7. THE CONTRACTOR MUST COMPLY WITH ALL APPLICABLE FAA ADVISORY CIRCULARS AND FEDERAL AVIATION REGULATIONS. PAY PARTICULAR ATTENTION TO FAA AC 150/5370-2G.
8. MAXIMUM EQUIPMENT HEIGHTS FOR ACTIVE WORK AREAS AND STAGING AREA ARE LIMITED BY FAR PART 77 AND OBSTACLE FREE ZONE (OFZ) SURFACES IDENTIFIED ON THIS SHEET.
9. DUST ON CONSTRUCTION PROJECTS IS A MAJOR PROBLEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON-SITE AT ALL TIMES ON A CONTINUOUS BASIS. THE CONTRACTOR MUST SUBMIT A DETAILED DUST CONTROL PLAN TO THE RPR FOR APPROVAL PRIOR TO BEGINNING WORK. THE COST FOR THIS WORK SHALL BE INCLUDED UNDER VARIOUS CONTRACT ITEMS.
10. RED LIGHTS SHALL MEET THE LUMINANCE REQUIREMENTS OF THE FAA.

SUPERVISION:

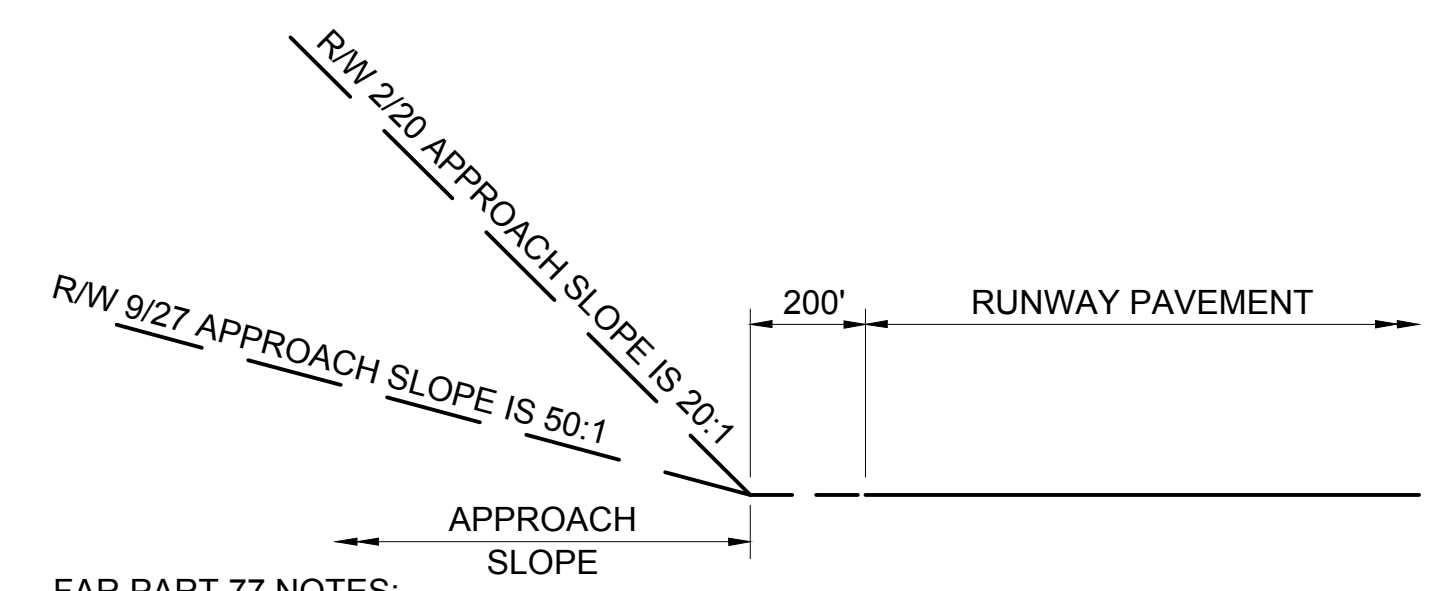
THE PRIME CONTRACTOR SHALL HAVE THE PROJECT SUPERINTENDENT OR SOMEONE IN RESPONSIBLE CHARGE BE PRESENT AT ALL TIMES ON THE PROJECT SITE. THIS PERSON SHALL BE FAMILIAR WITH ALL TYPES OF CONSTRUCTION BEING PERFORMED AND SHALL BE THE SAME PERSON EACH DAY THROUGHOUT THE PROJECT. THE SUPERINTENDENT SHALL HAVE THE RESPONSIBILITY OF COORDINATING EACH DAY'S WORK WITH THE RPR AND AIRPORT PERSONNEL AND SHALL HAVE AUTHORITY TO SCHEDULE AND ADJUST ALL WORKERS, PRIME AND SUB CONTRACTORS, TO ACCOMMODATE AIRPORT OPERATION AS DIRECTED BY THE RPR AND/OR AIRPORT PERSONNEL. ALL WORK MUST BE PERFORMED WITH THE RPR AND/OR AIRPORT PERSONNEL ON THE SITE. WORK DURING EVENINGS AND WEEKENDS MUST BE COORDINATED WITH THE RPR AND AIRPORT PERSONNEL AT LEAST 7 DAYS IN ADVANCE, EXCLUDING EMERGENCIES AND INCLEMENT WEATHER CONDITIONS. ALL PERSONNEL SHALL CLEAR THE CONSTRUCTION AREA ONCE WORK HAS STOPPED FOR THE DAY. ALL MECHANICS NEEDING ACCESS TO THE AIR OPERATIONS AREA DURING EVENINGS AND WEEKENDS TO WORK ON CONSTRUCTION EQUIPMENT SHALL HAVE A PICTURED IDENTIFICATION BADGE, RECEIVE DRIVING PRIVILEGES, AND HAVE THEIR VEHICLES IDENTIFIED WITH THE CONTRACTOR NAME OR MAGNETIC PLACARD ISSUED BY THE AIRPORT OPERATIONS.



1 TYPICAL SECTION OBSTACLE FREE ZONE
G500 SCALE: NTS

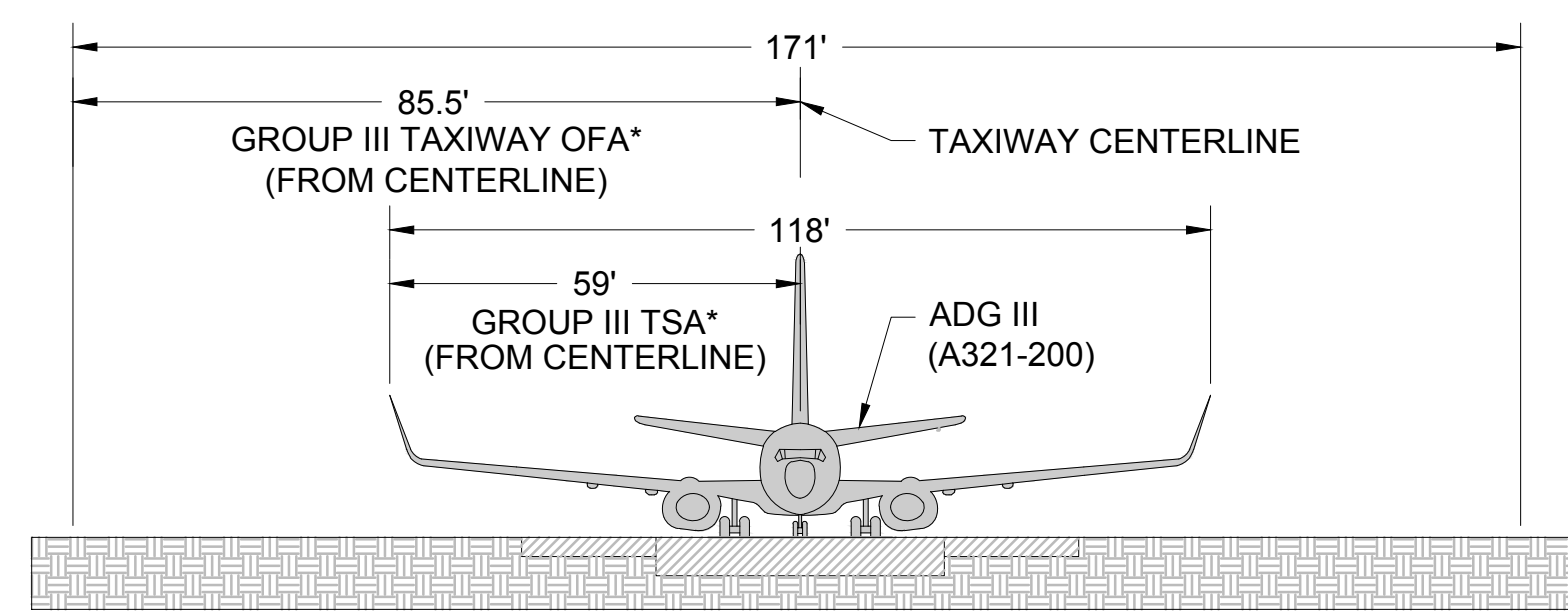


2 TYPICAL SECTION FAR PART 77 IMAGINARY SURFACES
G500 SCALE: NTS



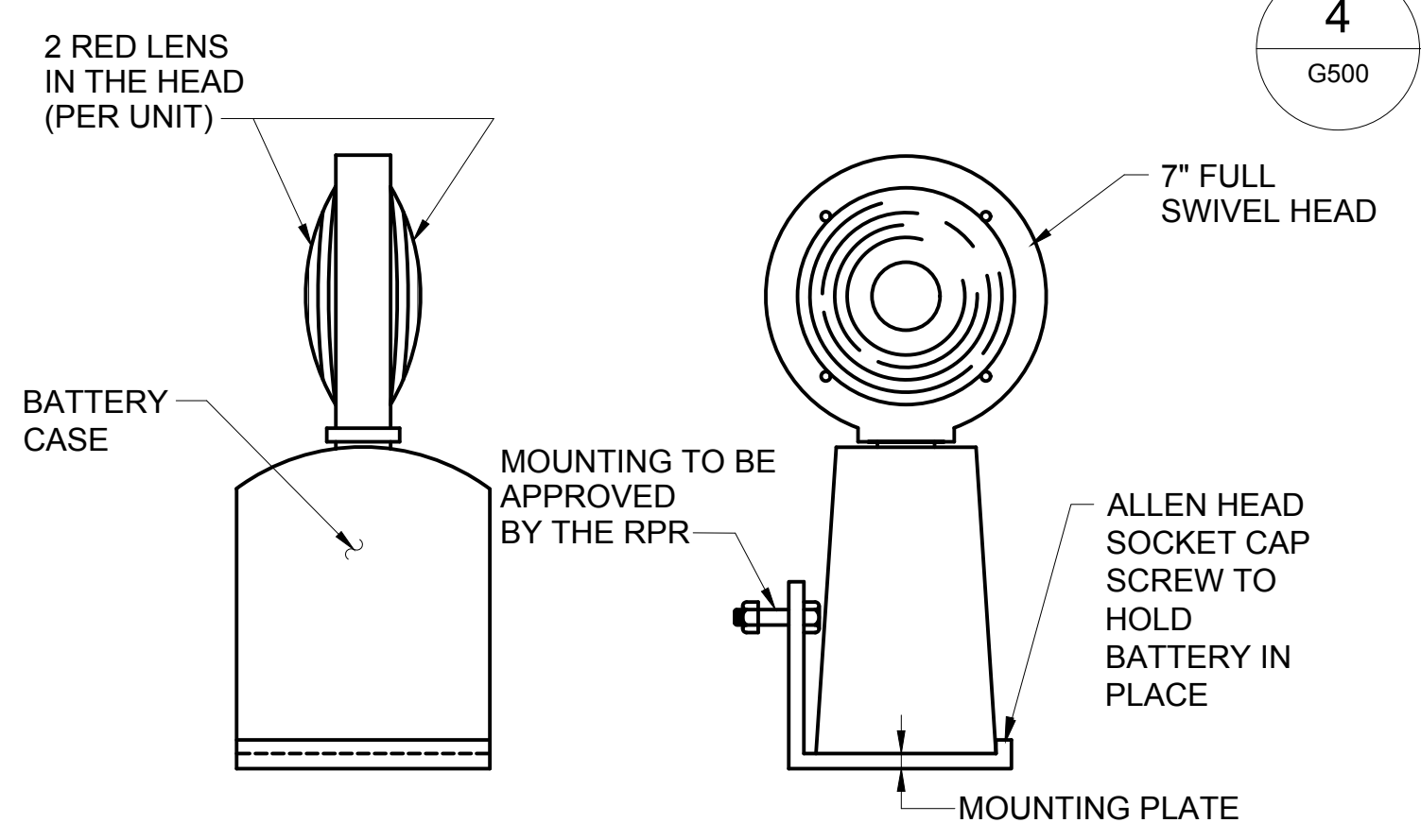
3 TYPICAL PROFILE FAR PART 77 IMAGINARY SURFACES
G500 SCALE: NTS

- FAR PART 77 NOTES:**
1. THE OFZ SHALL GOVERN EQUIPMENT CLEARANCE DURING CONSTRUCTION ADJACENT TO AN ACTIVE RUNWAY. UNDER NO CIRCUMSTANCES SHALL ANY MEN OR EQUIPMENT PENETRATE THESE SURFACES UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE WITH THE RPR, HGR, AND THE TOWER.
 2. THE FAR PART 77 SURFACES (PRIMARY AND TRANSITIONAL) GOVERN STOCKPILE AND PARKED EQUIPMENT. UNDER NO CIRCUMSTANCES SHALL PARKED EQUIPMENT, STOCKPILES, OR OTHER ITEMS PENETRATE THESE SURFACES DURING CONSTRUCTION ADJACENT TO AN ACTIVE RUNWAY.
 3. THE FAR PART 77 APPROACH SURFACE GOVERNS STOCKPILES, CONSTRUCTION EQUIPMENT AND OTHER OBJECTS BEYOND THE RUNWAY END. UNDER NO CIRCUMSTANCES SHALL THESE ITEMS PENETRATE THE APPROACH SLOPES.

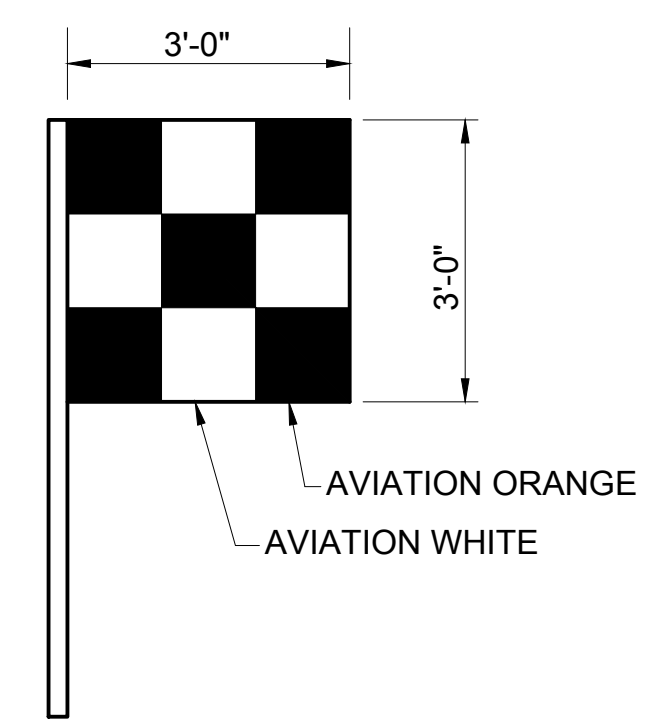


- * NO CONSTRUCTION MAY OCCUR WITHIN THE TAXIWAY SAFETY AREA (TSA) WHILE THE TAXIWAY IS OPEN FOR AIRCRAFT OPERATIONS. CONSTRUCTION MAY OCCUR WITHIN THE TAXIWAY OBJECT FREE AREA (TOFA) WHILE THE TAXIWAY IS OPEN FOR AIRCRAFT OPERATIONS SUBJECT TO THE FOLLOWING RESTRICTIONS:
- TAXIING SPEED IS LIMITED TO 10 MPH.
 - NOTAMS ISSUED ADVISING TAXIING PILOTS OF HAZARD AND RECOMMENDING REDUCED TAXIING SPEEDS ON THE TAXIWAY.
 - MARKING AND LIGHTING MEETING THE PROVISIONS OF FAA AC 150/5370-2G, PARAGRAPHS 2.18 AND 2.20 ARE IMPLEMENTED.
 - FIVE-FOOT CLEARANCE IS MAINTAINED BETWEEN EQUIPMENT AND MATERIALS AND ANY PART OF AN AIRCRAFT (INCLUDES WINGTIP OVERHANG). PERSONNEL AND EQUIPMENT MUST BE MOVED FOR ANY PASSAGE OF AIRCRAFT IF SUCH CLEARANCE CANNOT BE MAINTAINED.
 - FLAGGERS FURNISHED BY THE CONTRACTOR MUST BE USED TO DIRECT AND CONTROL CONSTRUCTION EQUIPMENT AND PERSONNEL TO A PRE-ESTABLISHED SETBACK DISTANCE FOR SAFE PASSAGE OF AIRCRAFT.

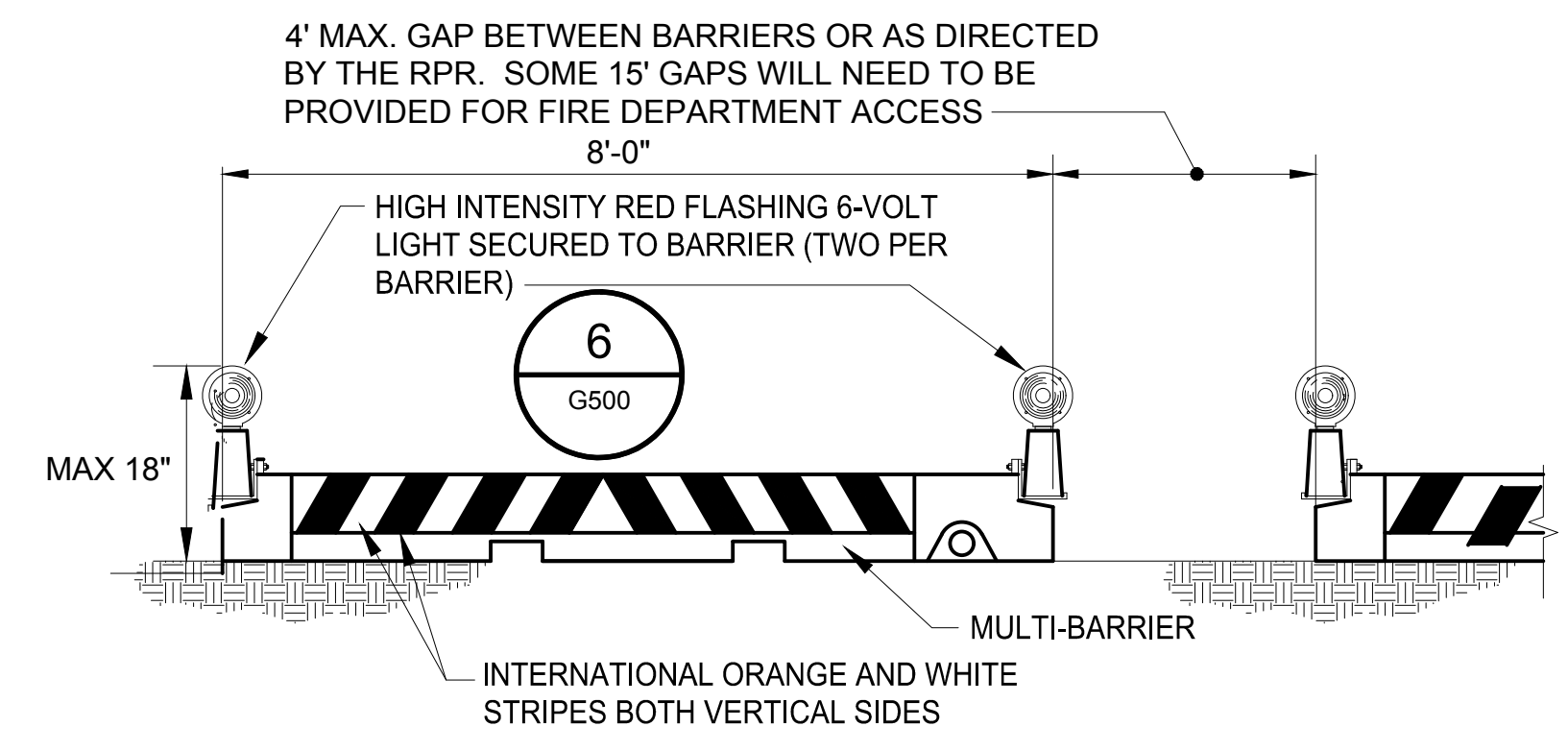
4 GROUP III TAXIWAY SAFETY AREA (TSA) - TAXIWAY OBJECT FREE AREA (TOFA) - TANGENT SECTION
G500 SCALE: NTS



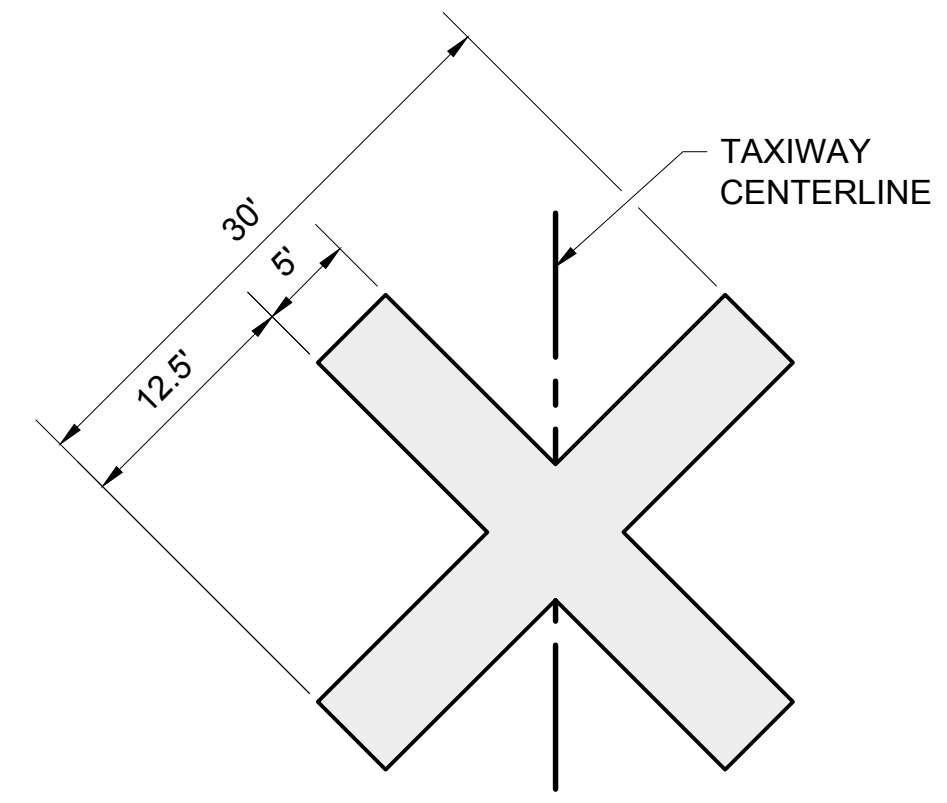
6 TEMPORARY BARRIER LIGHT DETAIL
G500 SCALE: NTS



7 VEHICLE-EQUIPMENT FLAG
G500 SCALE: NTS



5 POLYETHYLENE CONSTRUCTION BARRIERS
G500 SCALE: NTS



- NOTES**
1. CLOSED TAXIWAY MARKER SHALL BE FASTENED TO PAVEMENT. CONFIRM MATERIAL AND PLACEMENT WITH RPR PRIOR TO INSTALLATION.

8 TAXIWAY CLOSURE MARKER
G500 SCALE: NTS

CONSULTANT:

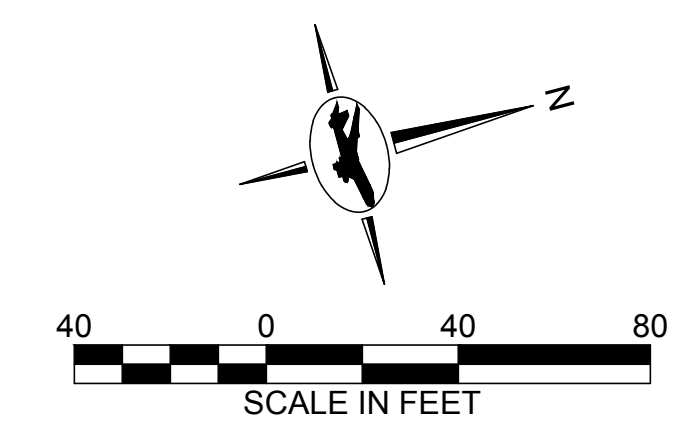
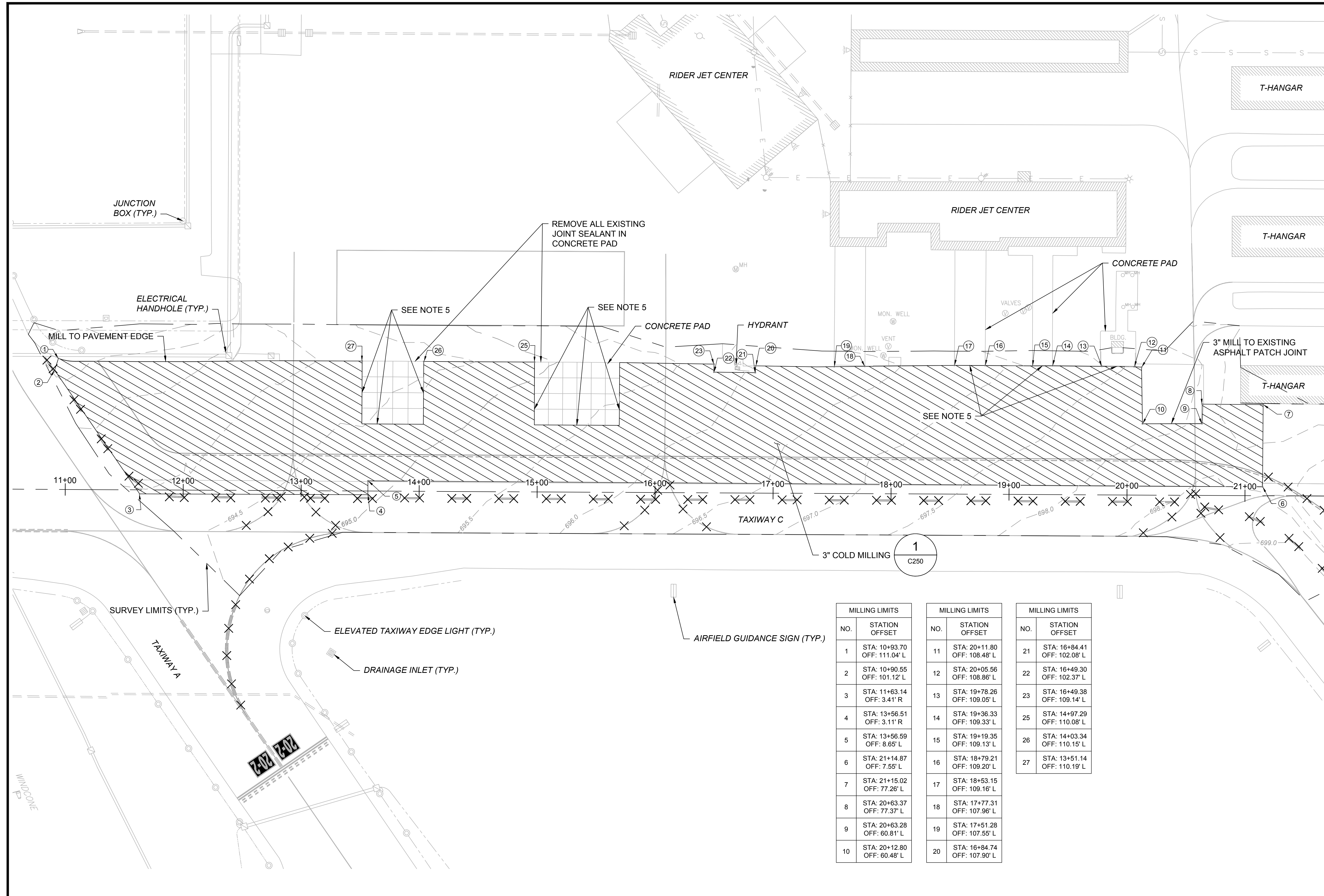
ADCI
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	DRAWN: R.D.H.			
	CHECKED: R.N.M.			
	APPROVED: M.S.K.			

HAGERSTOWN REGIONAL AIRPORT
Washington County, MD

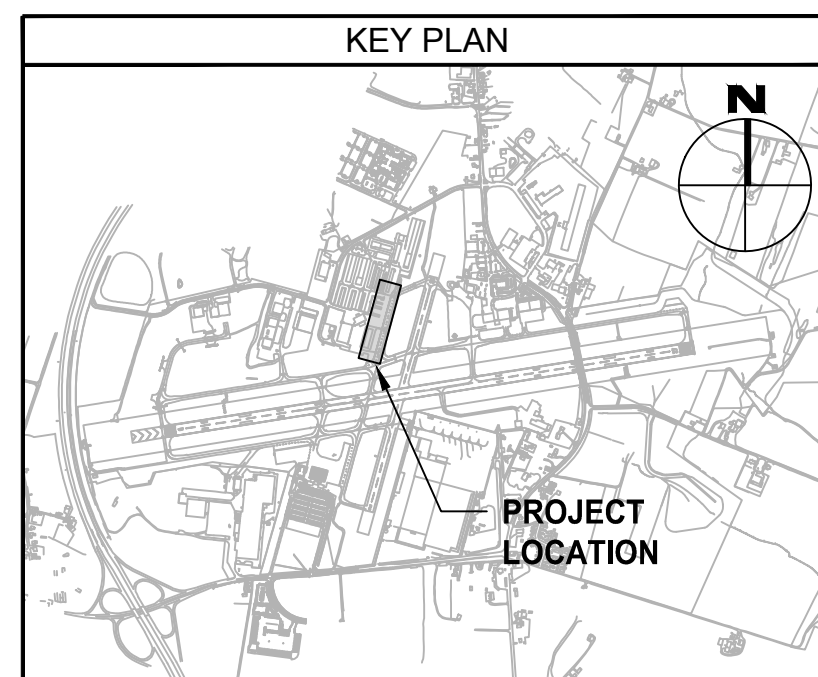
PROJECT TITLE: TAXIWAY C OFA REHABILITATION	FAA AIG No.: 3-24-0019-070-2024 (DESIGN/CONSTRUCTION) Bid No.: PUR-1674
SHEET TITLE: CONSTRUCTION SAFETY AND PHASING NOTES AND DETAILS	SHEET NO.: G500
SCALE: AS SHOWN	DATE: APRIL 2024



- NOTES:**
1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
 2. SEE SHEET G203 FOR SURVEY CONTROL, BASELINE LAYOUT, AND BORING PLAN.
 3. SEE SHEETS C200 FOR PAVING PLAN.
 4. SEE SHEET C250 FOR PAVING DETAILS.
 5. CONTRACTOR TO MILL TO EDGE OF CONCRETE. PROTECT CONCRETE IN PLACE.

- LEGEND:**
- 3" COLD MILLING
 - PAVEMENT MARKING REMOVAL
 - SURVEY LIMITS
 - EXISTING COMM MANHOLE
 - EXISTING ELECTRICAL MANHOLE
 - EXISTING ELECTRICAL HANDHOLE
 - EXISTING ELECTRICAL JUNCTION BOX
 - EXISTING ELEVATED TAXIWAY EDGE LIGHT
 - EXISTING AIRFIELD GUIDANCE SIGN
 - EXISTING ELECTRICAL DUCTBANK
 - 695.5- EXISTING CONTOUR LABEL

MILLING LIMITS		MILLING LIMITS		MILLING LIMITS	
NO.	STATION OFFSET	NO.	STATION OFFSET	NO.	STATION OFFSET
1	STA: 10+93.70 OFF: 111.04' L	11	STA: 20+11.80 OFF: 108.48' L	21	STA: 16+84.41 OFF: 102.08' L
2	STA: 10+90.55 OFF: 101.12' L	12	STA: 20+05.56 OFF: 108.86' L	22	STA: 16+49.30 OFF: 102.37' L
3	STA: 11+63.14 OFF: 3.41' R	13	STA: 19+78.26 OFF: 109.05' L	23	STA: 16+49.38 OFF: 109.14' L
4	STA: 13+56.51 OFF: 3.11' R	14	STA: 19+36.33 OFF: 109.33' L	25	STA: 14+97.29 OFF: 110.08' L
5	STA: 13+56.59 OFF: 8.65' L	15	STA: 19+19.35 OFF: 109.13' L	26	STA: 14+03.34 OFF: 110.15' L
6	STA: 21+14.87 OFF: 7.55' L	16	STA: 18+79.21 OFF: 109.20' L	27	STA: 13+51.14 OFF: 110.19' L
7	STA: 21+15.02 OFF: 77.26' L	17	STA: 18+53.15 OFF: 109.16' L		
8	STA: 20+63.37 OFF: 77.37' L	18	STA: 17+77.31 OFF: 107.96' L		
9	STA: 20+63.28 OFF: 60.81' L	19	STA: 17+51.28 OFF: 107.55' L		
10	STA: 20+12.80 OFF: 60.48' L	20	STA: 16+84.74 OFF: 107.90' L		



CONSULTANT:

AIRCRAFT DESIGN CONSULTANTS
6031 UNIVERSITY BLVD, SUITE 330
ELLICOTT CITY, MD 21043
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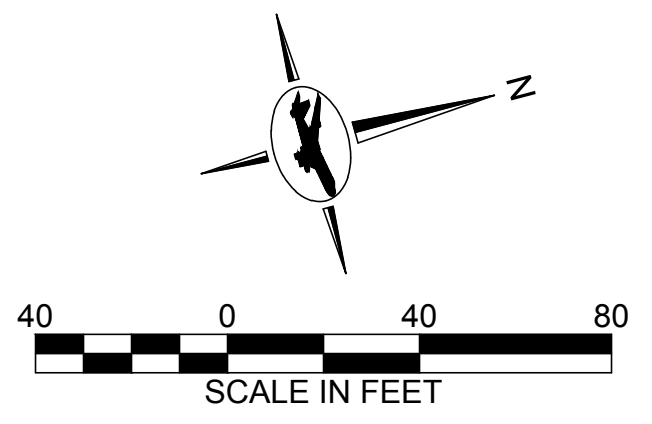
DESIGNED:	REVISION NO.	REVISION DATE	DESCRIPTIONS
M.J.B.			
DRAWN:			
R.D.H.			
CHECKED:			
R.N.M.			
APPROVED:			
M.S.K.			

HAGERSTOWN REGIONAL AIRPORT
Washington County, MD

PROJECT TITLE: TAXIWAY C OFA REHABILITATION	
SHEET TITLE: EXISTING CONDITIONS AND DEMOLITION PLAN	
SCALE: AS SHOWN	DATE: APRIL 2024

FAA AIG No.: 324-0019-070-2024 (DESIGN/CONSTRUCTION)
Bid No.: PUR-1674

SHEET NO.:
C100
13 OF 18

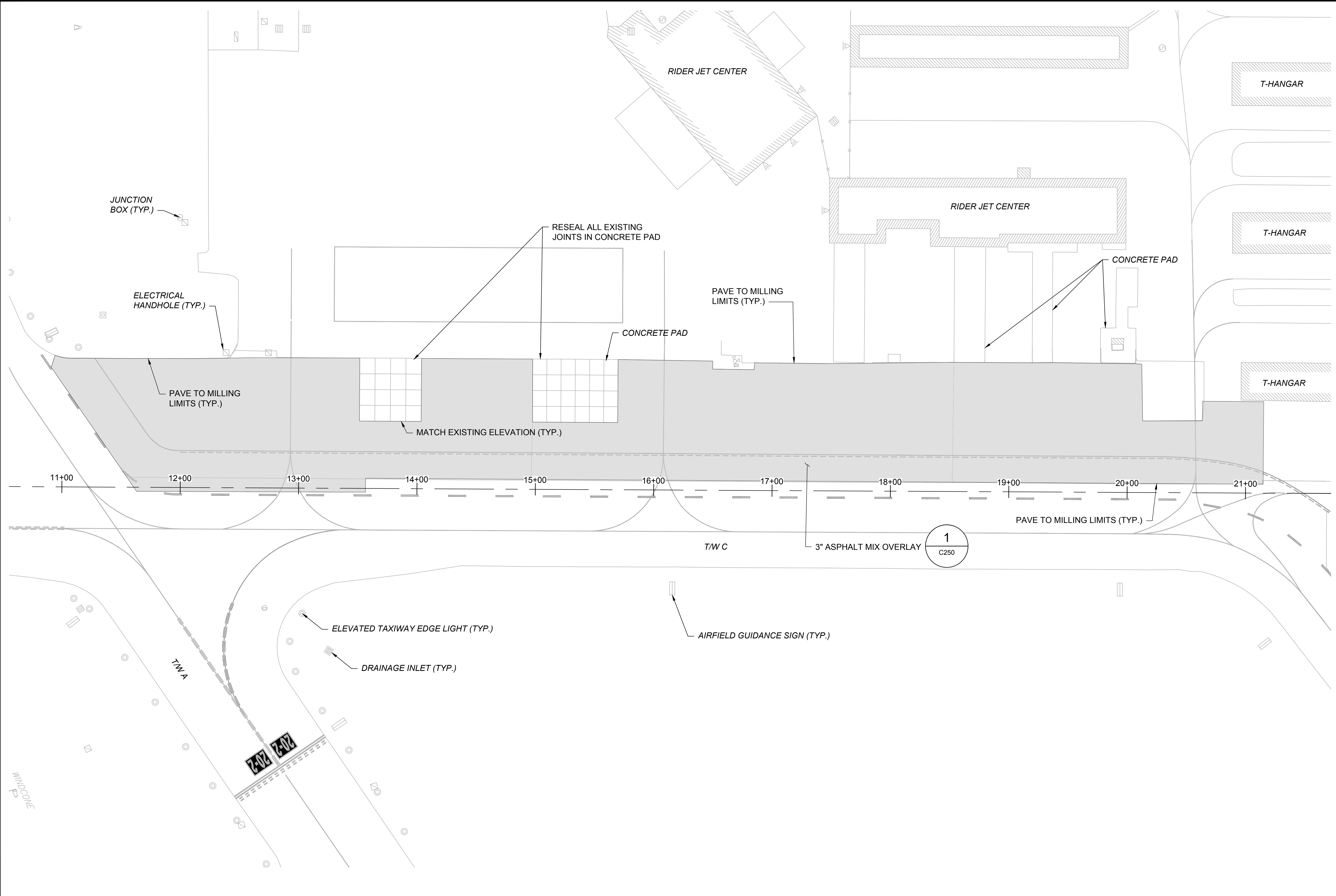
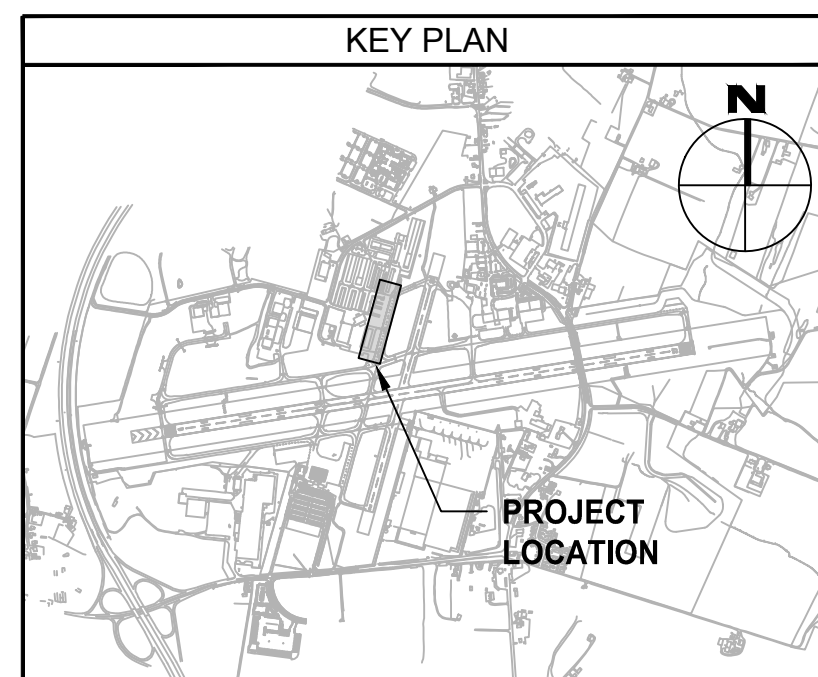


NOTES:

1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
2. SEE SHEET G203 FOR SURVEY CONTROL, BASELINE LAYOUT, AND BORING PLAN.
3. SEE SHEET C250 FOR PAVING DETAILS.

LEGEND:

- 3" ASPHALT MIX OVERLAY
- EXISTING COMM MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING ELECTRICAL HANDHOLE
- EXISTING ELECTRICAL JUNCTION BOX
- EXISTING ELEVATED TAXIWAY EDGE LIGHT
- LIGHT
- EXISTING AIRFIELD GUIDANCE SIGN
- EXISTING ELECTRICAL DUCTBANK




CONSULTANT:



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HAGERSTOWN REGIONAL AIRPORT
 Washington County, MD

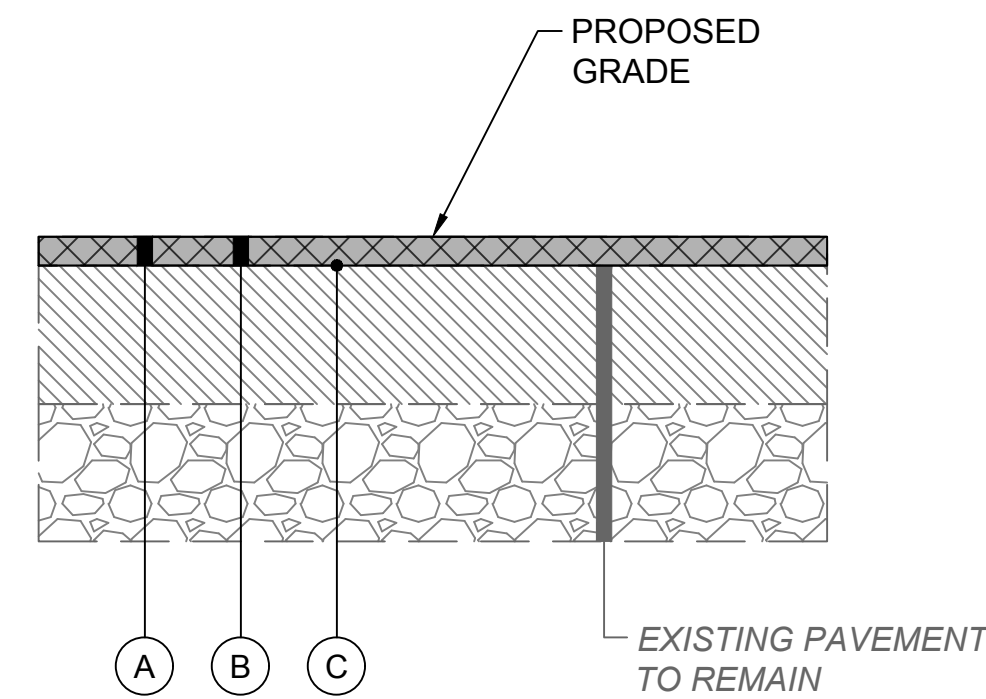
PROJECT TITLE:	TAXIWAY C OFA REHABILITATION
SHEET TITLE:	PAVING PLAN
SCALE:	AS SHOWN
DATE:	APRIL 2024

FAA AIG No.: 324-0019470-2024 (DESIGN/CONSTRUCTION)
 Bid No.: PUR-1674

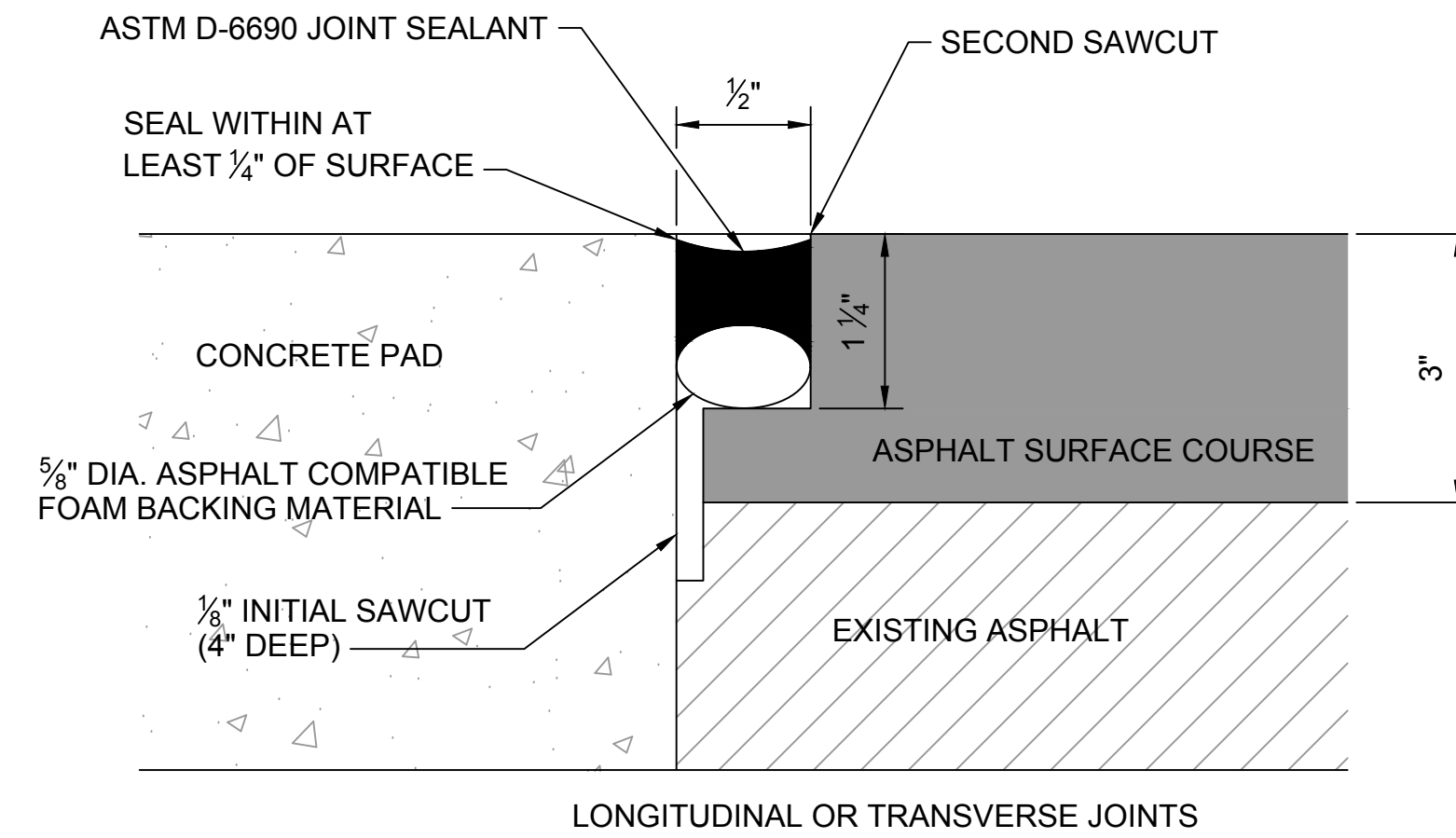
SHEET NO.: **C200**
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PROPOSED LEGEND:

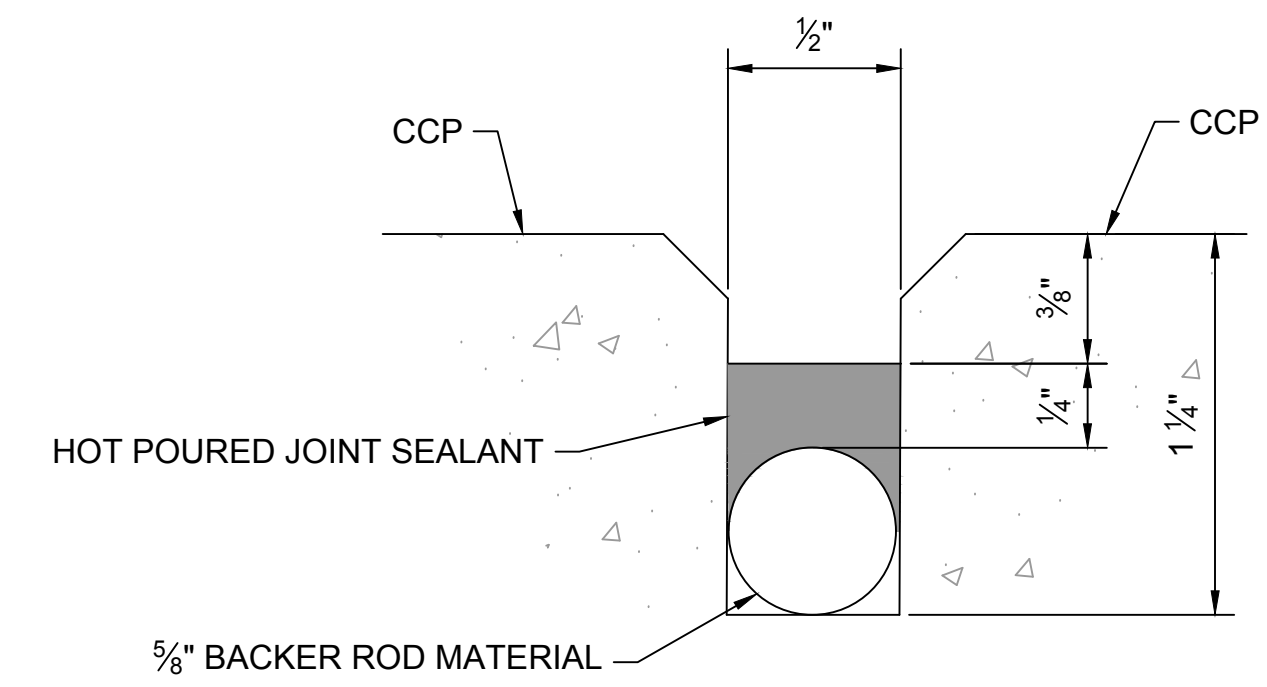
- (A) COLD MILLING, 3-INCH DEPTH (P-101-5.1)
- (B) 3" ASPHALT MIX SURFACE COURSE (1 - 3" LIFT) PG64H-22 (P-401-8.1)
- (C) EMULSIFIED ASPHALT TACK COAT (P-603-5.1)



1 3-INCH MILL & 3-INCH ASPHALT MIX PAVEMENT OVERLAY
C250 SCALE: NTS

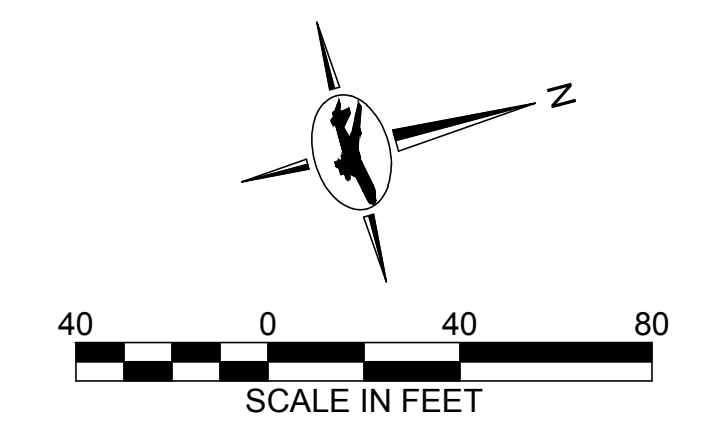
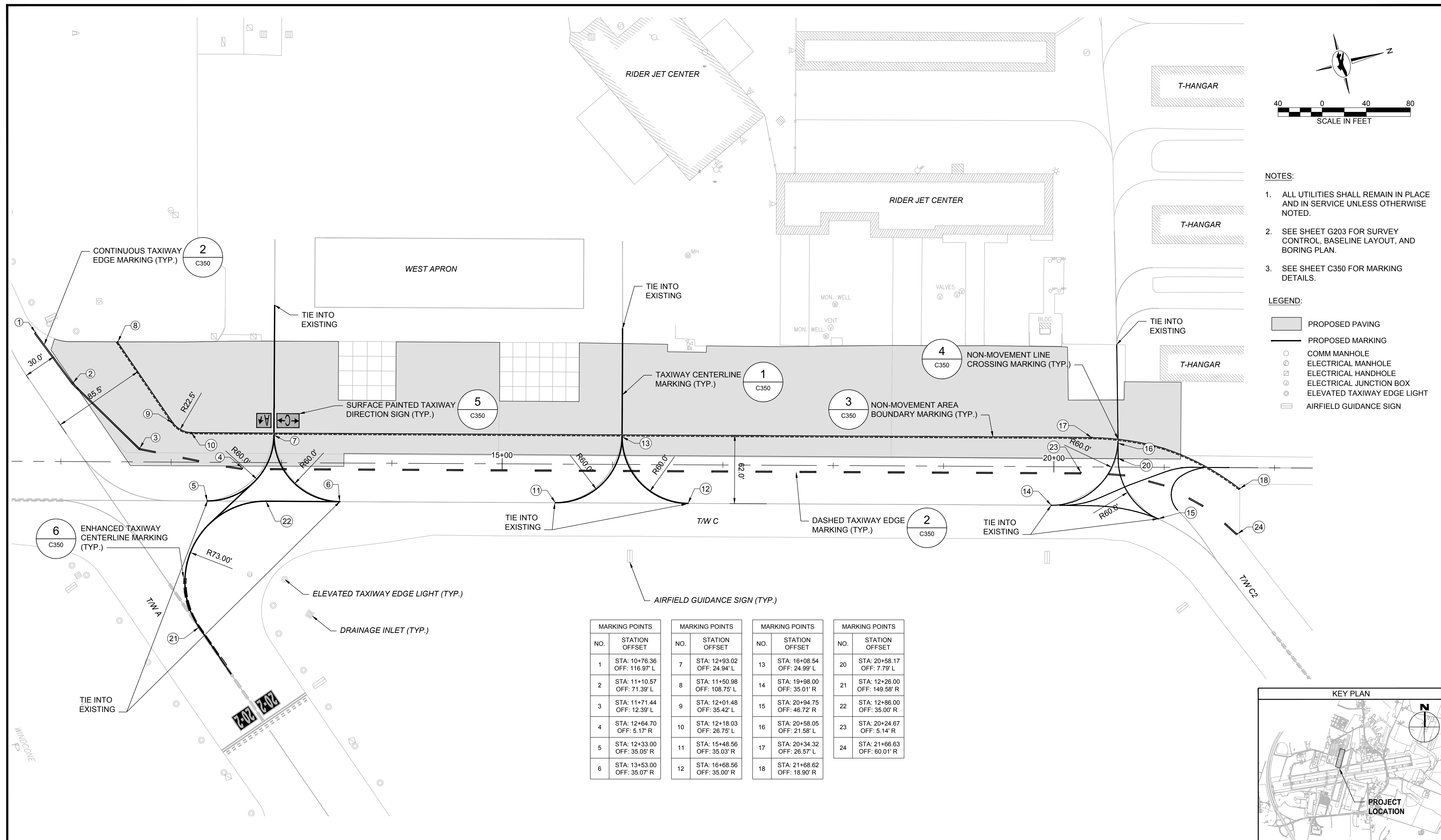


2 CCP TO ASPHALT JOINT SEAL
C250 SCALE: NTS



3 CCP TO CCP JOINT SEAL
C250 SCALE: NTS

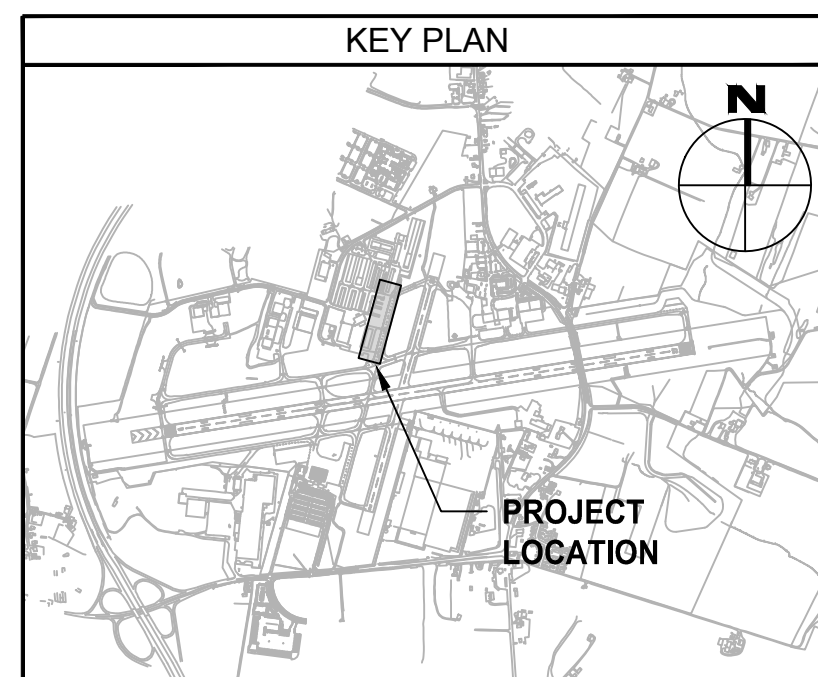
 AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602	SEAL: 	PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 32705 EXPIRATION DATE: 2/21/2026	DESIGNED:	REVISION NO.	REVISION DATE	DESCRIPTIONS	 HAGERSTOWN REGIONAL AIRPORT Washington County, MD	PROJECT TITLE: TAXIWAY C OFA REHABILITATION		FAA AIG No.: 3-24-0019-070-2024 (DESIGN/CONSTRUCTION) Bid No.: PUR-1674 SHEET NO.: C250 15 OF 18
			DRAWN: R.D.H. CHECKED: R.N.M. APPROVED: M.S.K.					BID DOCUMENTS	SHEET TITLE: PAVING DETAILS	



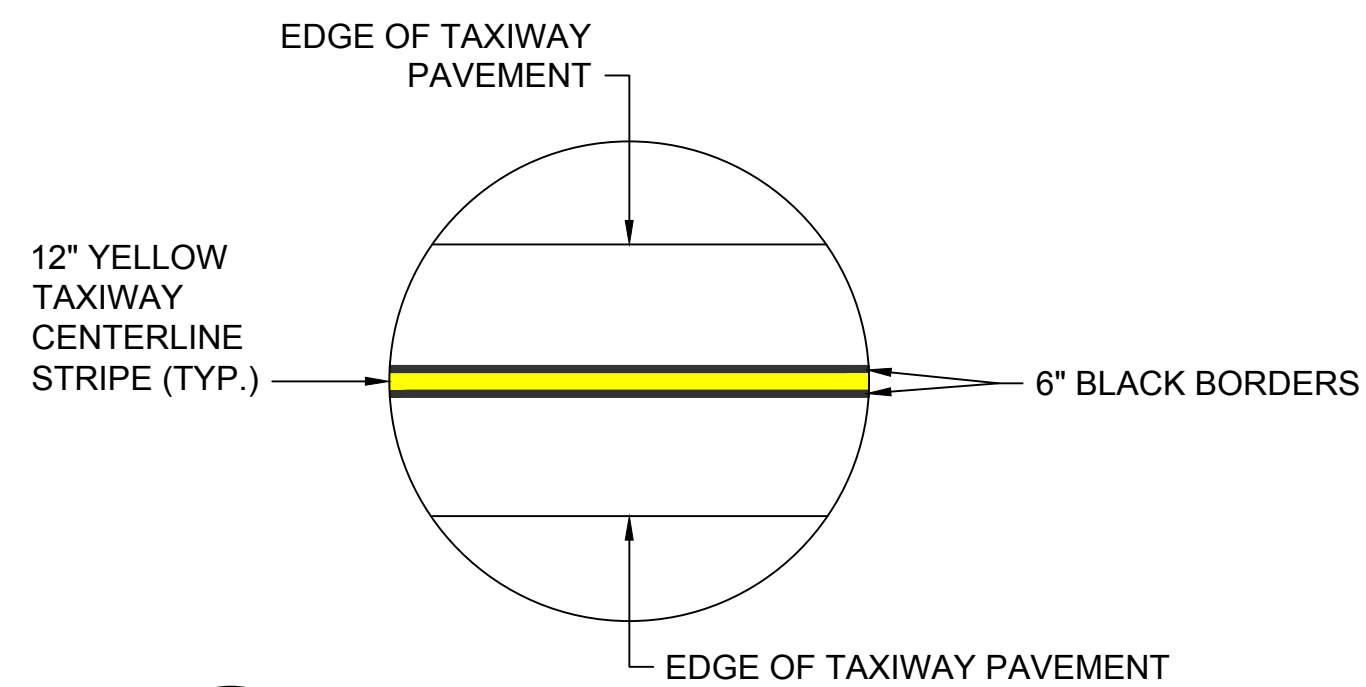
- NOTES:**
1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
 2. SEE SHEET G203 FOR SURVEY CONTROL, BASELINE LAYOUT, AND BORING PLAN.
 3. SEE SHEET C350 FOR MARKING DETAILS.

- LEGEND:**
- PROPOSED PAVING
 - PROPOSED MARKING
 - COMM MANHOLE
 - ELECTRICAL MANHOLE
 - ELECTRICAL HANDHOLE
 - ELECTRICAL JUNCTION BOX
 - ELEVATED TAXIWAY EDGE LIGHT
 - AIRFIELD GUIDANCE SIGN

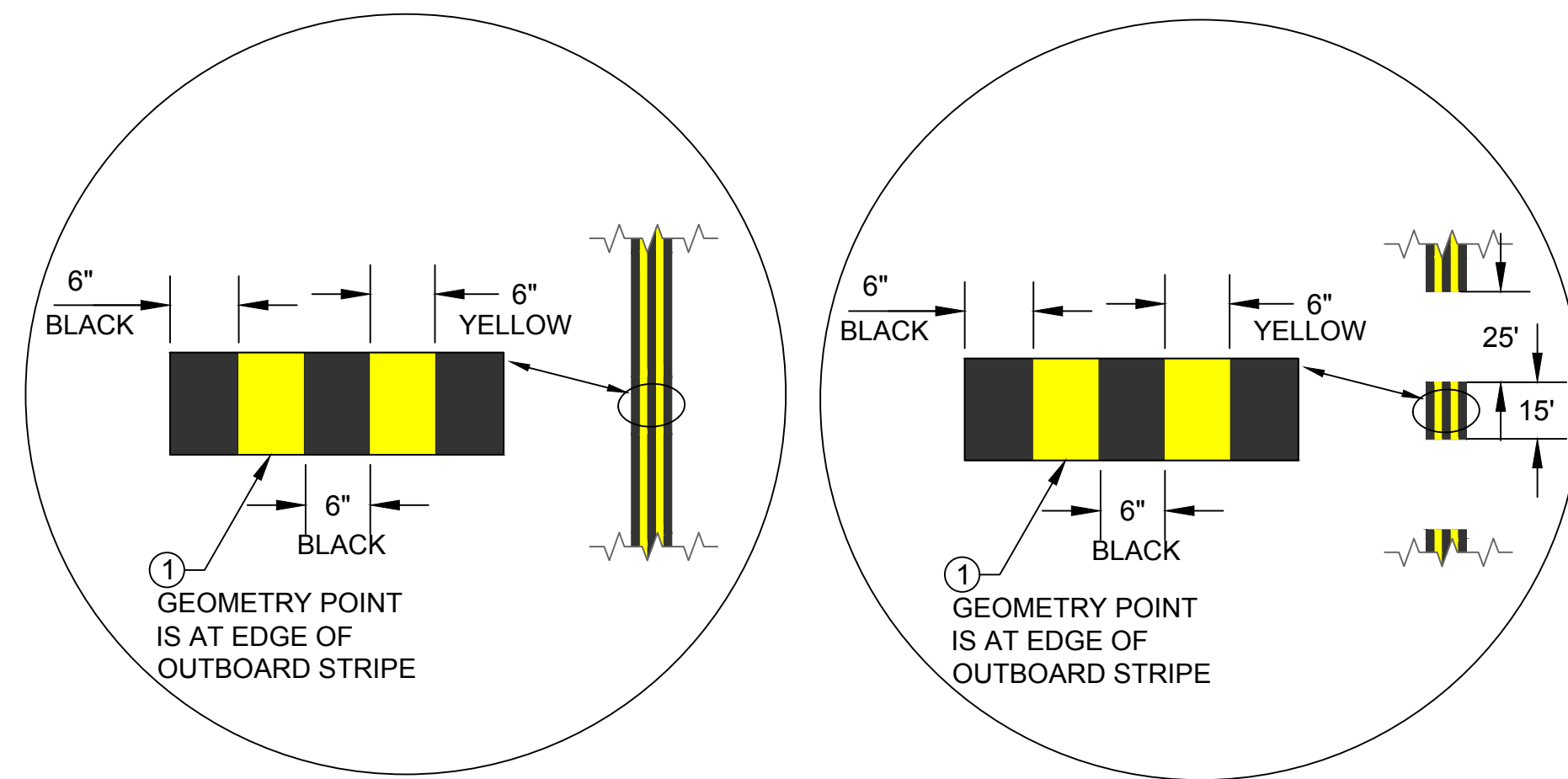
MARKING POINTS		MARKING POINTS		MARKING POINTS		MARKING POINTS	
NO.	STATION OFFSET	NO.	STATION OFFSET	NO.	STATION OFFSET	NO.	STATION OFFSET
1	STA: 10+76.36 OFF: 116.97' L	7	STA: 12+93.02 OFF: 24.94' L	13	STA: 16+08.54 OFF: 24.99' L	20	STA: 20+58.17 OFF: 7.79' L
2	STA: 11+10.57 OFF: 71.39' L	8	STA: 11+50.98 OFF: 108.75' L	14	STA: 19+98.00 OFF: 35.01' R	21	STA: 12+26.00 OFF: 149.58' R
3	STA: 11+71.44 OFF: 12.39' L	9	STA: 12+01.48 OFF: 35.42' L	15	STA: 20+94.75 OFF: 46.72' R	22	STA: 12+86.00 OFF: 35.00' R
4	STA: 12+64.70 OFF: 5.17' R	10	STA: 12+18.03 OFF: 26.75' L	16	STA: 20+58.05 OFF: 21.58' L	23	STA: 20+24.67 OFF: 5.14' R
5	STA: 12+33.00 OFF: 35.05' R	11	STA: 15+48.56 OFF: 35.03' R	17	STA: 20+34.32 OFF: 26.57' L	24	STA: 21+66.63 OFF: 60.01' R
6	STA: 13+53.00 OFF: 35.07' R	12	STA: 16+68.56 OFF: 35.00' R	18	STA: 21+68.62 OFF: 18.90' R		



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			DRAWN: R.D.H.	CHECKED: R.N.M.			APPROVED: M.S.K.		SHEET TITLE: <div style="text-align: center; font-weight: bold;">MARKING PLAN</div>
						SCALE: AS SHOWN	DATE: APRIL 2024	16 OF 18	



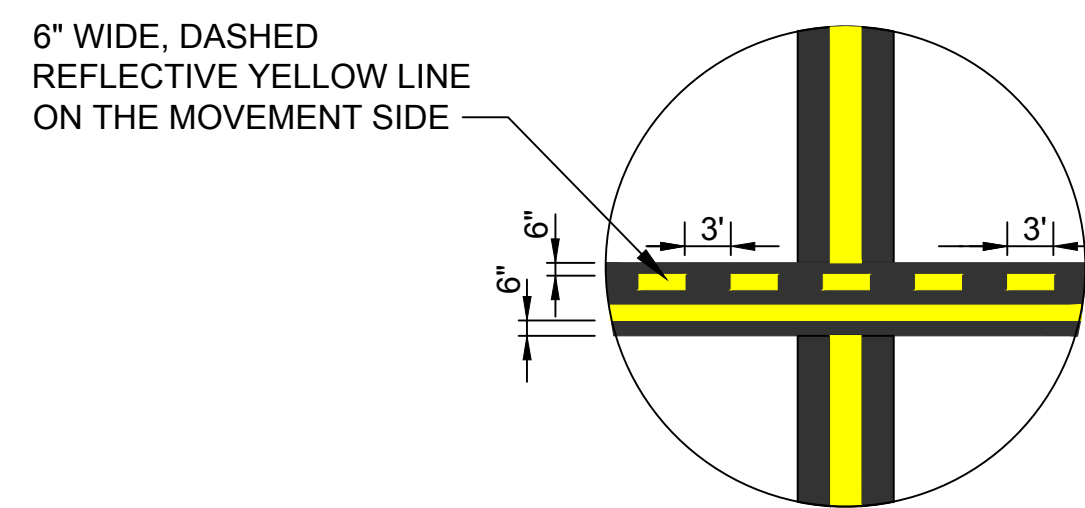
1 TAXIWAY CENTERLINE MARKING
C350 SCALE: NTS



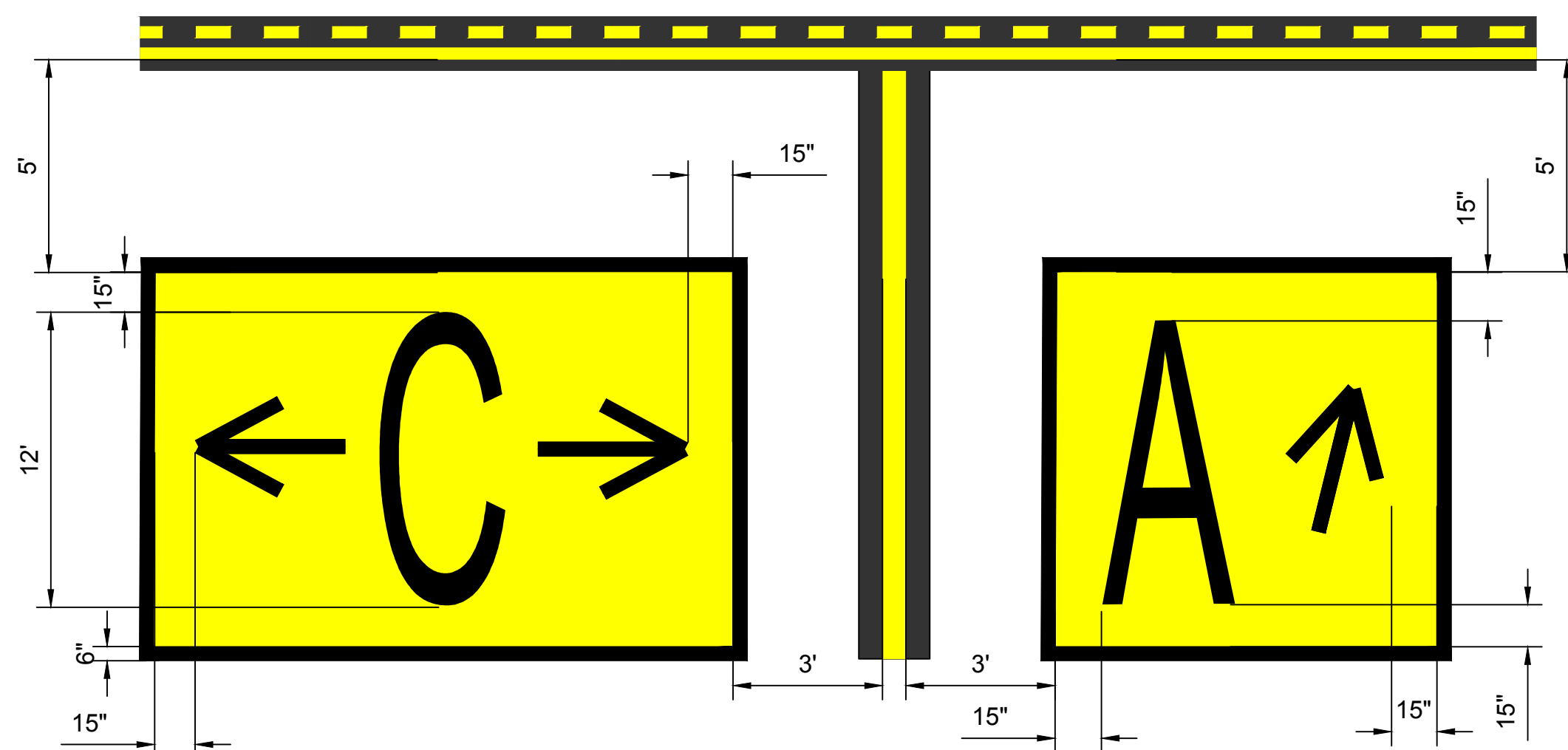
CONTINUOUS DASHED

- NOTES:**
1. ALL TAXILANE/TAXIWAY EDGE STRIPING IS 6 INCHES WIDE AND SPACED 6 INCHES APART (EDGE TO EDGE).
 2. ALL TAXIWAY AND TAXILANE EDGE MARKINGS ARE YELLOW WITH CLASS III GLASS BEADS, AS SPECIFIED.
 3. DASHED EDGE MARKINGS ARE NOT TO BE USED TO DESIGNATE ISLANDS.
 4. ALL TAXILANE/TAXIWAY EDGE STRIPING WILL HAVE A 6 INCHES WIDE BLACK BORDER AND FILL.

2 TAXIWAY EDGE MARKING
C350 SCALE: NTS

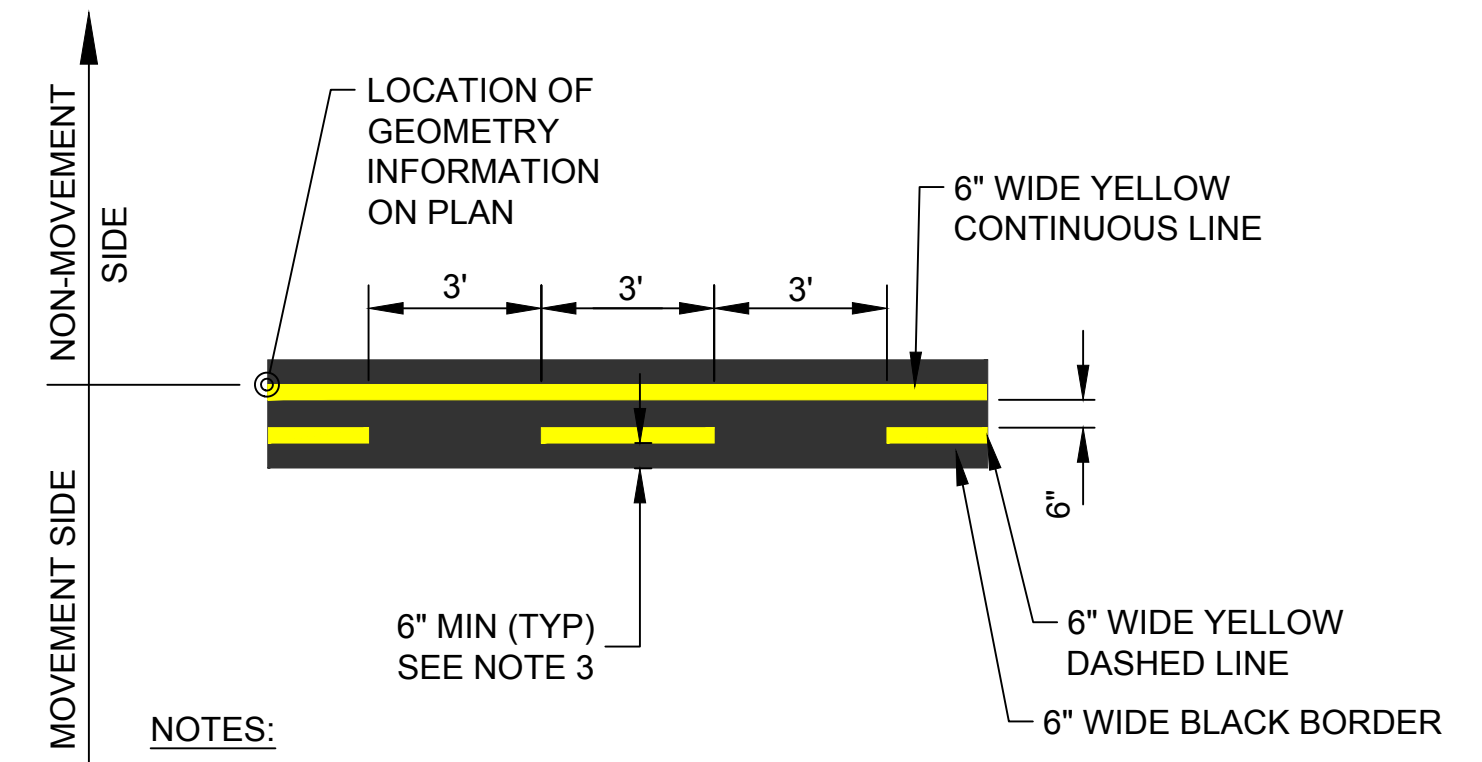


4 NON-MOVEMENT LINE CROSSING MARKING
C350 SCALE: NTS



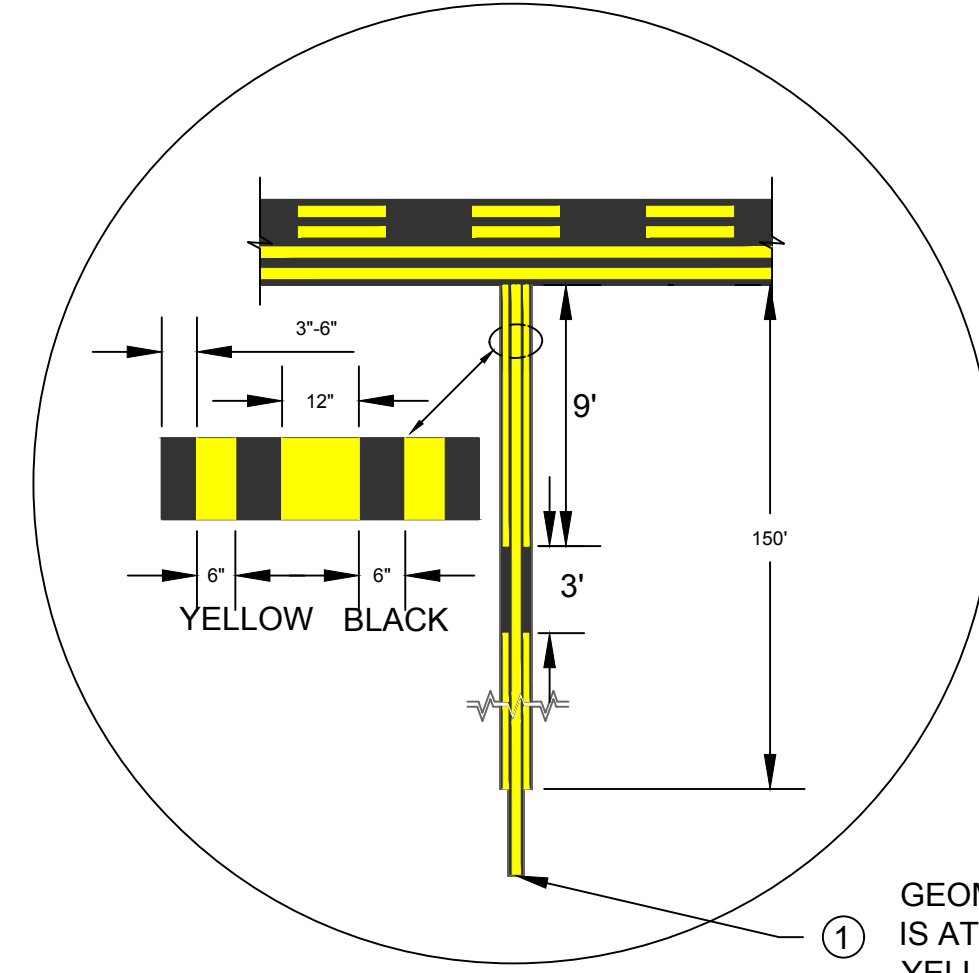
- NOTES:**
1. SURFACE PAINTED TAXIWAY DIRECTION SIGN AS A YELLOW BACKGROUND WITH BLACK INSCRIPTION. A 6-INCH BLACK BORDER COMPLETELY SURROUNDS ITS PERIMETER.
 2. THE BLACK INSCRIPTION IS 12 FEET IN HEIGHT. THE BLACK INSCRIPTION, INCLUDING ARROWS, MUST CONFORM IN APPEARANCE TO LETTERS AND SYMBOLS IN FAA AC 150/5340-1M, APPENDIX B.

5 SURFACE PAINTED TAXIWAY DIRECTION SIGN
C350 SCALE: NTS



- NOTES:**
1. ALL YELLOW MARKINGS SHALL HAVE REFLECTIVE MEDIA AS SPECIFIED.
 2. ALL MARKINGS WILL HAVE BLACK BORDER 6 INCHES WIDE.
 3. WHERE THE NON-MOVEMENT LINE AND OTHER MARKINGS INTERSECT, A 6" MINIMUM GAP BETWEEN THE NON-MOVEMENT MARKING AND OTHER MARKING SHALL BE MAINTAINED. SEE DETAIL 4, THIS SHEET.
 4. MARKING SHALL BE WATERBORNE.

3 NON-MOVEMENT AREA BOUNDARY MARKING
C350 SCALE: NTS



- NOTES:**
1. THE DISTANCE BETWEEN THE EDGE OF THE YELLOW HOLD LINE AND THE END OF THE YELLOW TAXIWAY CENTERLINE IS 6".
 2. THE 9' IS MEASURED ALONG CENTERLINE WITH THE INNER CHORD BEING SLIGHTLY SHORTER AND THE OUTER CHORD BEING SLIGHTLY LONGER.
 3. THE NUMBER OF DASHES SHALL ALWAYS BE EQUAL.
 4. THERE MUST BE NO PARTIAL DASHED LINES LESS THAN 5' AT THE POINT OF CONVERGENCE. THE FIRST INSIDE DASHED LINE MUST BE ALIGNED WITH THE OUTSIDE DASHED LINE.
 5. THE 150' DISTANCE IS MEASURED ALONG THE ENHANCED CENTERLINE.

6 ENHANCED TAXIWAY CENTERLINE MARKING
C350 SCALE: NTS

CONSULTANT:

AIRCRAFT DESIGN CONSULTANTS
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ELLCOTT CITY, MD 21043
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LICENSE NO. 32705
EXPIRATION DATE: 2/21/2026

DESIGNED:	REVISION NO.	REVISION DATE	DESCRIPTIONS
M.J.B.			
DRAWN:			
R.D.H.			
CHECKED:			
R.N.M.			
APPROVED:			
M.S.K.			

HAGERSTOWN REGIONAL AIRPORT
Washington County, MD

PROJECT TITLE: TAXIWAY C OFA REHABILITATION

SHEET TITLE: MARKING DETAILS

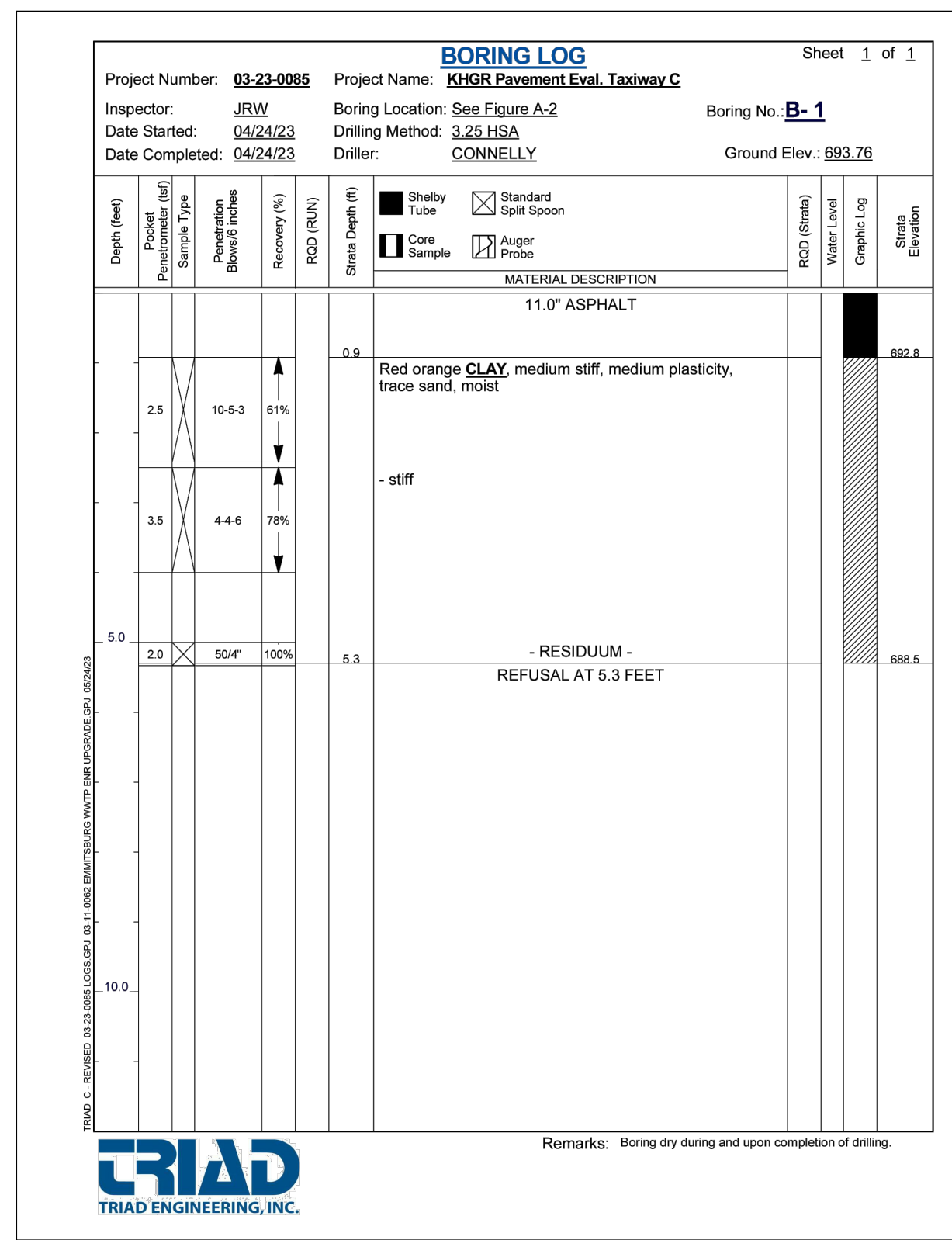
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DATE: APRIL 2024

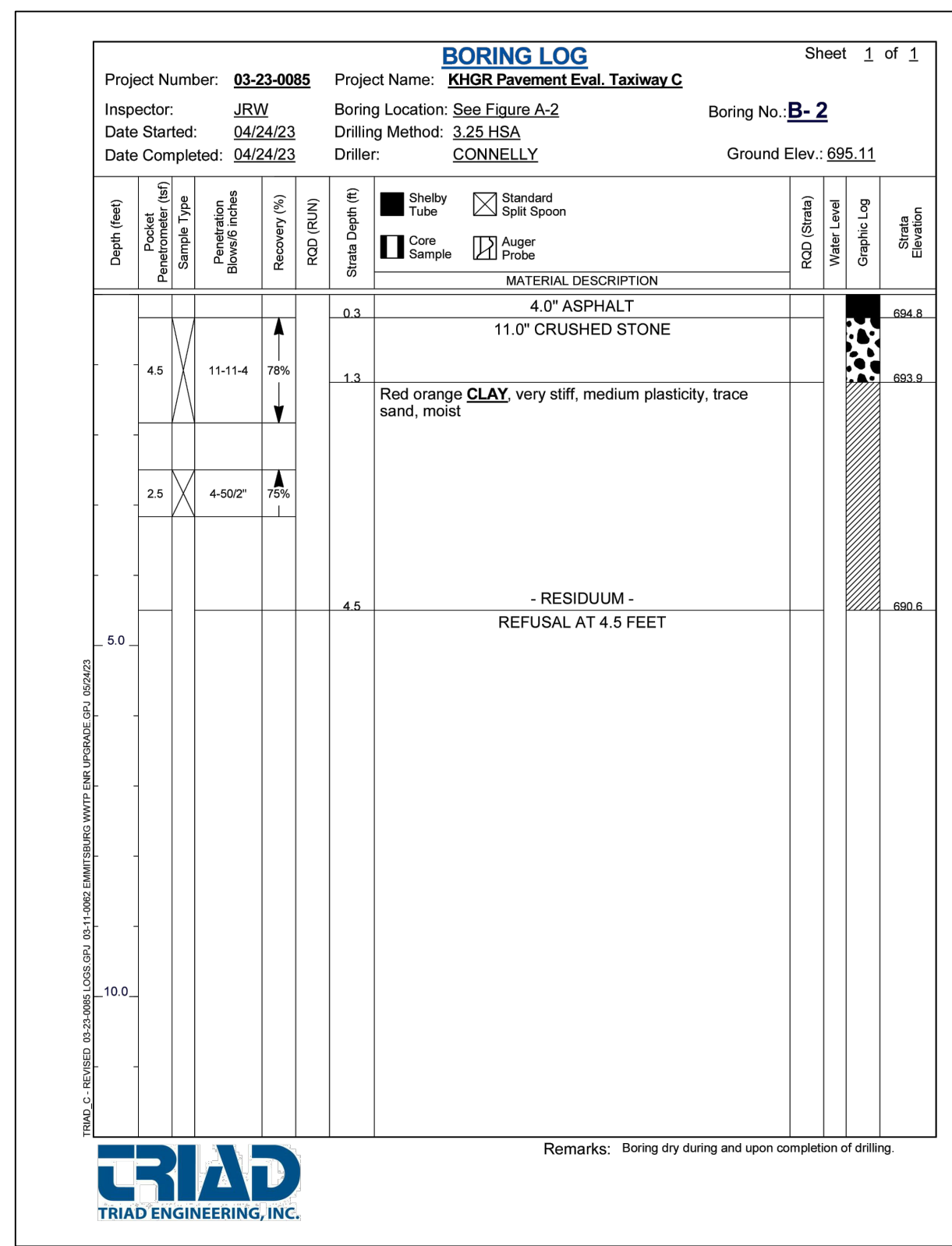
FAA AIG No.: 3-24-0019-070-2024 (DESIGN/CONSTRUCTION)
Bid No.: PUR-1674

SHEET NO.: C350

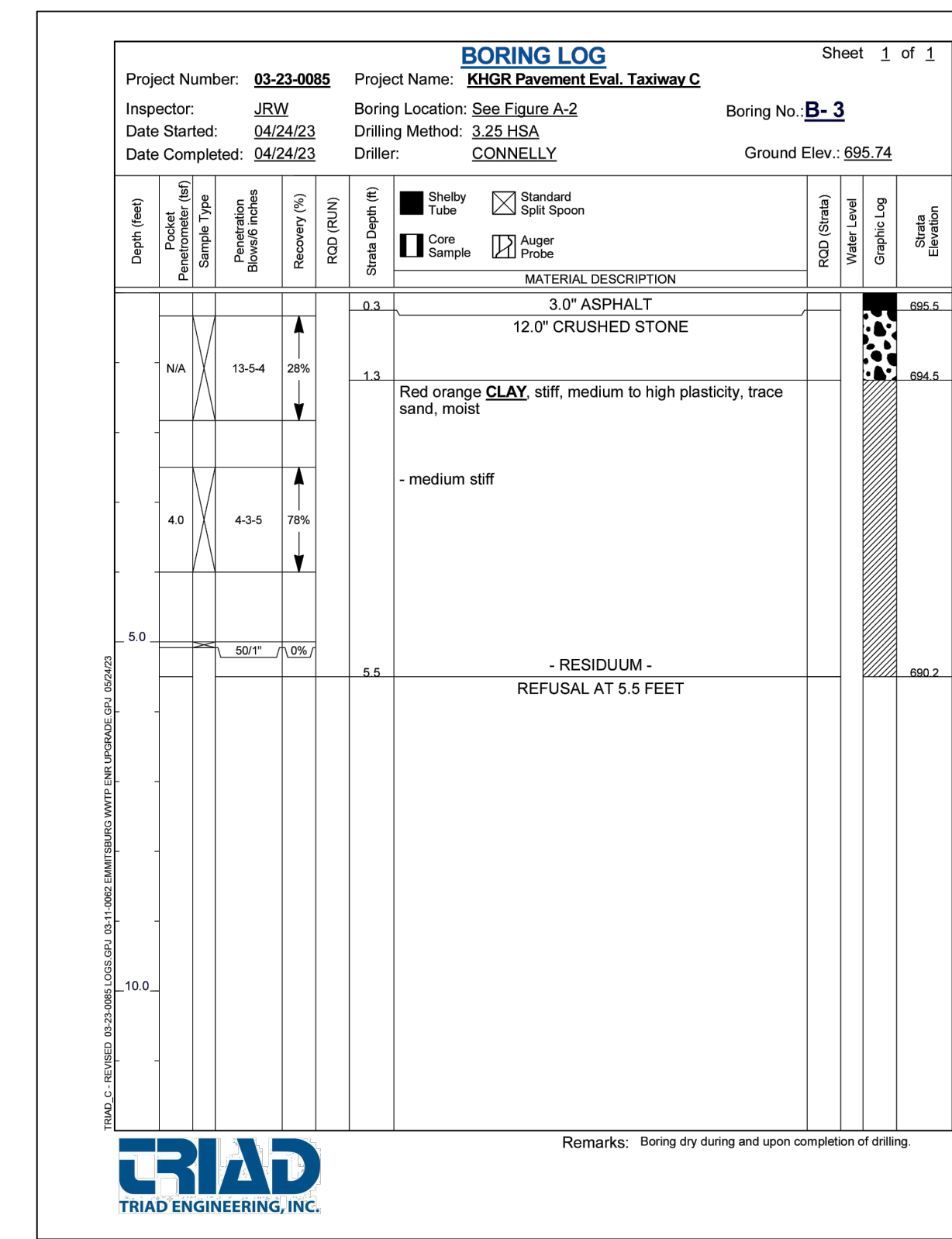
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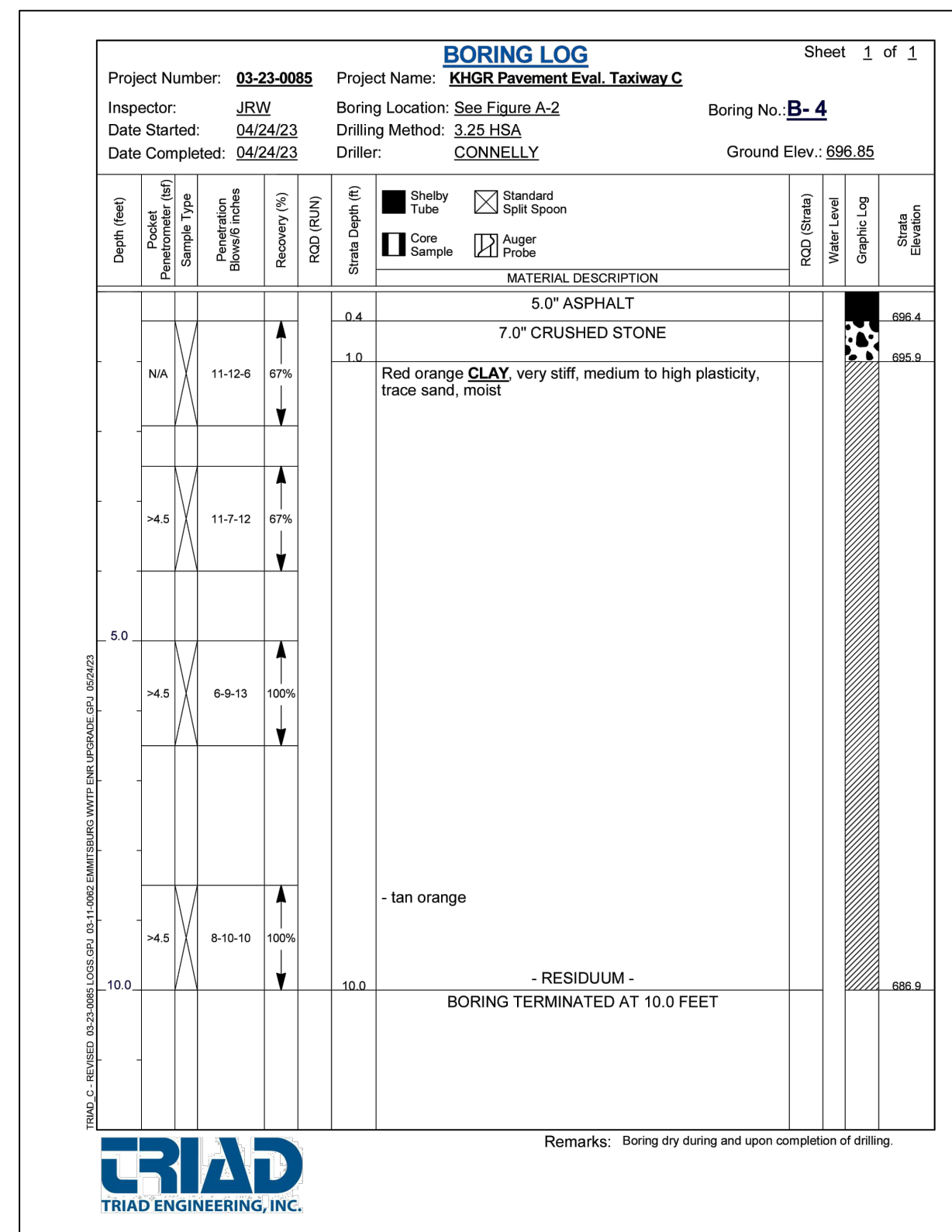
1 B-1
C400 SCALE: NTS



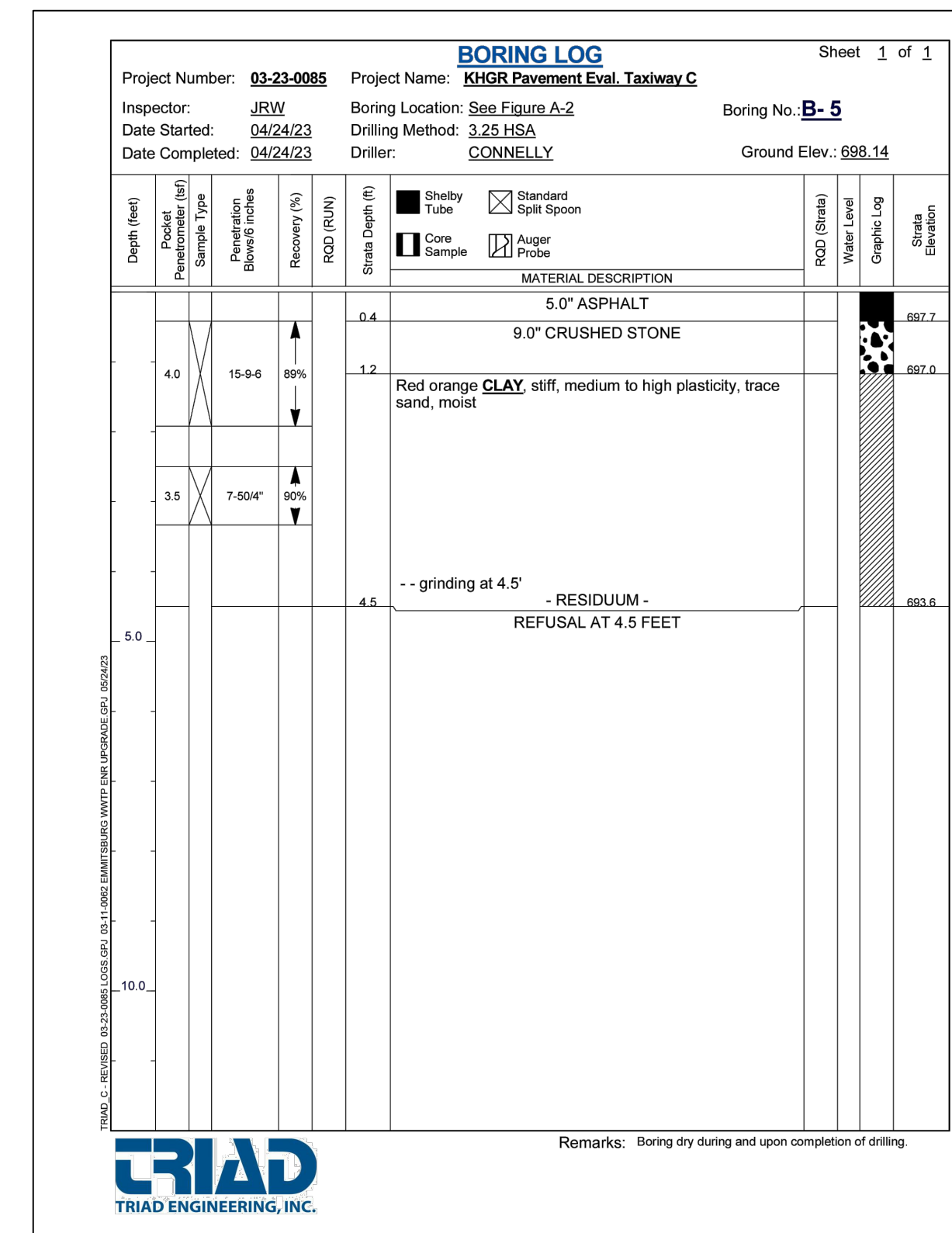
2 B-2
C400 SCALE: NTS



3 B-3
C400 SCALE: NTS



4 B-4
C400 SCALE: NTS



5 B-5
C400 SCALE: NTS

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CHECKED:			
R.N.M.			
APPROVED:			
M.S.K.			

BID DOCUMENTS

HAGERSTOWN REGIONAL AIRPORT
 Washington County, MD

PROJECT TITLE:	TAXIWAY C OFA REHABILITATION
SHEET TITLE:	BORING LOGS
SCALE:	AS SHOWN
DATE:	APRIL 2024

FAA AIG No.: 3-24-0019-070-2024 (DESIGN/CONSTRUCTION)
 Bid No.: PUR-1674

SHEET NO.: **C400**

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