



# HAGERSTOWN REGIONAL AIRPORT

Washington County, MD

## ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT

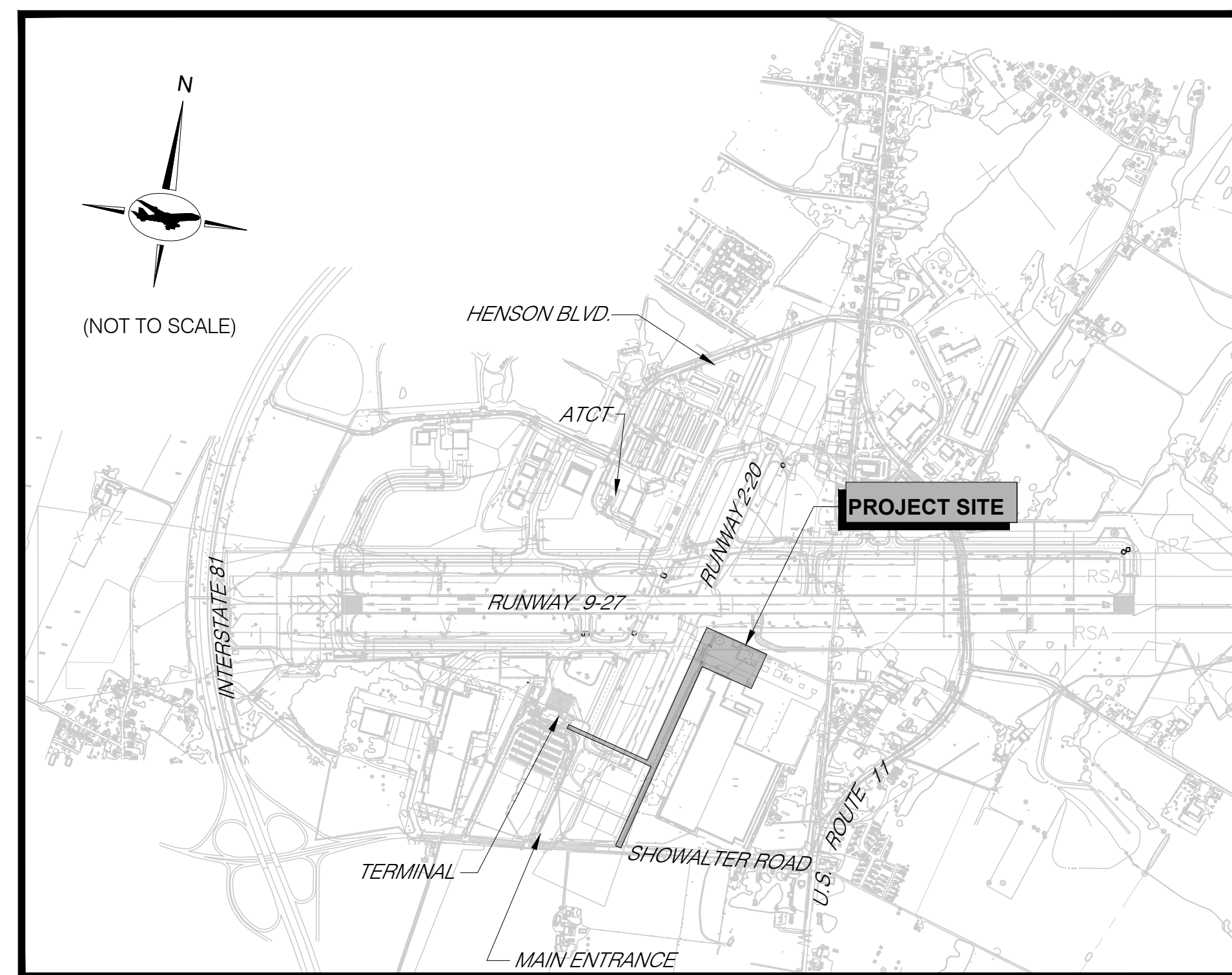
### A.I.P. No. 3-24-0019-071-2024

### BID No. PUR-1695

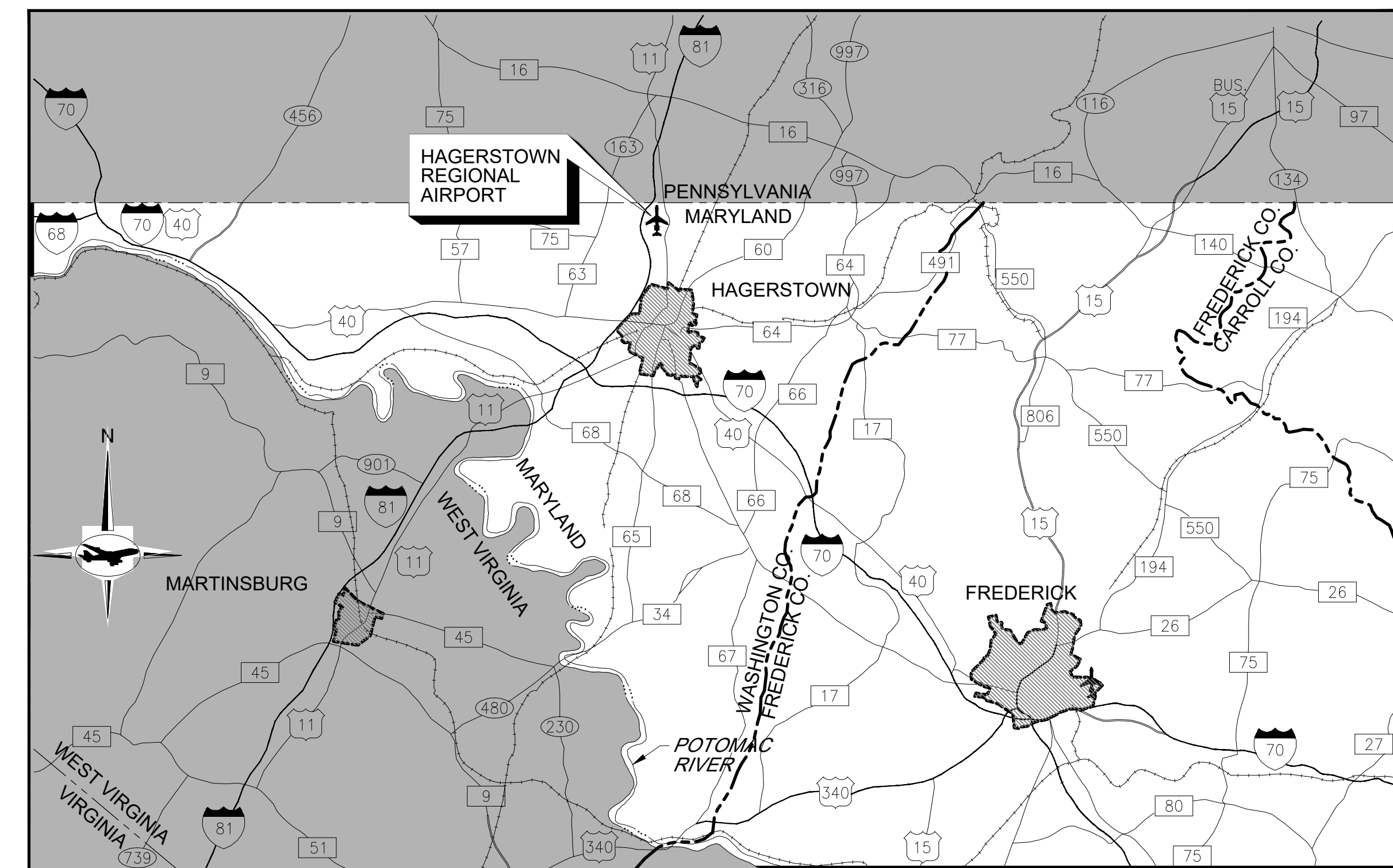
### BID DOCUMENTS

### JUNE 2024

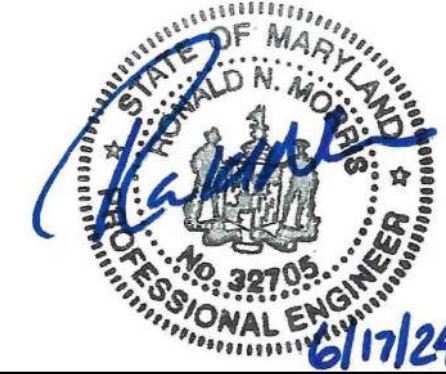
#### VICINITY MAP



#### LOCATION MAP



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



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: 02/21/2026



CJL ENGINEERING  
5285 WESTVIEW DRIVE, SUITE 203  
FREDERICK, MD 21703  
TEL: 301.695.9424



FOX & ASSOCIATES, INC.  
981 MT. AETNA ROAD  
HAGERSTOWN, MD 21740  
TEL: 301.733.8503  
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APPROVED:  
WASHINGTON COUNTY DIVISION OF PLAN REVIEW & PERMITTING  
SIGNATURE \_\_\_\_\_ DATE: \_\_\_\_\_



HAGERSTOWN REGIONAL AIRPORT  
Washington County, MD

HAGERSTOWN REGIONAL AIRPORT

APPROVED


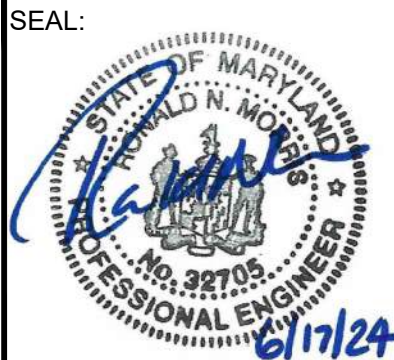

DATE

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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-105-6.1  | MOBILIZATION  | LS   | 1        |          |
| P-101-5.1  | FENCE REMOVAL   | LF   | 3,500    |          |
| P-101-5.2  | SLIDING GATE REMOVAL  | EA   | 2        |          |
| P-101-5.3  | GATE SUPPORTS REMOVAL   | EA   | 2        |          |
| P-101-5.4  | BOX FRAME SWING GATE REMOVAL  | EA   | 1        |          |
| P-101-5.5  | SWING GATE REMOVAL  | EA   | 1        |          |
| P-101-5.6  | ARFF BUILDING REMOVAL   | LS   | 1        |          |
| P-101-5.7  | ELECTRICAL TRANSFORMER PAD REMOVAL  | LS   | 1        |          |
| P-101-5.8  | KEYPAD REMOVAL  | EA   | 2        |          |
| P-101-5.9  | BOLLARD REMOVAL   | EA   | 10       |          |
| P-101-5.10 | ELECTRICAL RACK REMOVAL   | LS   | 1        |          |
| P-101-5.11 | LIGHT POLE AND FOUNDATION REMOVAL   | EA   | 2        |          |
| P-101-5.12 | INFILL OIL/WATER SEPARATOR  | LS   | 1        |          |
| P-101-5.13 | INFILL TENCH DRAIN  | LS   | 1        |          |
| P-101-5.14 | PAVEMENT MARKING REMOVAL  | SF   | 500      |          |
| P-620-5.1  | PERMANENT PAVEMENT MARKING  | SF   | 6,000    |          |
| F-162-5.1  | 10' CHAIN-LINK FENCE WITH BARBED WIRE INSTALLATION                            | LF   | 2,100    |          |
| F-162-5.2  | 10' CHAIN-LINK FENCE WITH BARBED WIRE INSTALLATION ON CONCRETE MEDIAN BARRIER | LF   | 500      |          |
| F-162-5.3  | 160' ELECTRIC TELESCOPING GATE INSTALLATION                                   | EA   | 1        |          |
| F-162-5.4  | PEDESTRIAN GATE INSTALLATION  | EA   | 1        |          |
| F-162-5.5  | GATE OPERATOR INSTALLATION  | EA   | 2        |          |
| F-162-5.6  | 6" BOLLARDS   | EA   | 38       |          |
| L-108-5.1  | FIBER OPTIC CABLE IN 2" CONDUIT, INSTALLED COMPLETE IN PLACE THROUGH TURF     | LF   | 1,200    |          |
| L-108-5.2  | FIBER OPTIC CABLE IN 2" CONDUIT, INSTALLED COMPLETE IN PLACE THROUGH PAVEMENT | LF   | 80       |          |
| L-108-5.3  | ELECTRIC CABLE IN 4" CONDUIT, INSTALLED COMPLETE IN PLACE THROUGH TURF        | LF   | 20       |          |
| L-108-5.4  | ELECTRIC CABLE IN 2" CONDUIT, INSTALLED COMPLETE IN PLACE THROUGH PAVEMENT    | LF   | 50       |          |
| L-110-5.1  | DIRECTIONAL BORING, FIBER OPTIC CABLE IN HDPE CONDUIT, 1 WAY 2-INCH           | LF   | 1,500    |          |
| L-110-5.2  | DIRECTIONAL BORING, ELECTRIC CABLE IN HDPE CONDUIT, 1 WAY 4-INCH              | LF   | 500      |          |
| L-110-5.3  | DIRECTIONAL BORING, ELECTRIC CABLE IN HDPE CONDUIT, 1 WAY 2-INCH              | LF   | 300      |          |
| L-115-5.1  | ELECTRICAL JUNCTION CAN   | EA   | 12       |          |
| L-115-5.2  | ELECTRICAL HANDHOLE   | EA   | 1        |          |
| L-115-5.3  | ELECTRICAL RACK   | LS   | 1        |          |
| L-115-5.4  | RELOCATE 25KV TRANSFORMER   | LS   | 1        |          |
| T-901-5.1  | SEEDING   | LS   | 1        |          |

**SHEET RESPONSIBILITY NOTE**

ADCI IS RESPONSIBLE FOR ALL SHEETS EXCLUSIVE OF:  
 FOX AND ASSOCIATES: ES100 - ES104 (5 TOTAL)  
 CJL ENGINEERING: E0.1 - E0.4 (4 TOTAL)

|   |   |   |  |  |                          |   |   |   |
|---|---|---|--|--|--------------------------|---|---|---|
| <br>AIRPORT DESIGN CONSULTANTS<br>6031 UNIVERSITY BLVD, SUITE 330<br>ELLICOTT CITY, MD 21043<br>TEL: 410.465.9600<br>FAX: 410.465.9602 |  | PROFESSIONAL CERTIFICATION:<br>"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"<br>LICENSE NO. 32705<br>EXPIRATION DATE: 02/21/2026 | DESIGNED: B.J.D.<br>DRAWN: J.A.A.<br>CHECKED: V.J.D.<br>APPROVED: R.N.M. | REVISION NO.    REVISION DATE<br><br><br>        | DESCRIPTIONS<br><br><br> |  <b>HAGERSTOWN REGIONAL AIRPORT</b><br>Washington County, MD | PROJECT TITLE:<br><b>ARFF BUILDING DEMOLITION;<br/>         AOA FENCE/ACCESS GATE REALIGNMENT</b> | FAA AIP No.: 3-240019-071-2024<br>Bid No.: PUR-1695 |
|   |   | SHEET TITLE:<br><b>DRAWING INDEX AND SCHEDULE OF QUANTITIES</b>   | SHEET NO.:<br><b>G1002</b>   | SCALE: N.A.                      DATE: JUNE 2024 | 2 OF 45                  |   |   |   |

**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 AND ARE DESIRED BY AIRPORT MAINTENANCE SHALL BE TURNED OVER TO THE AIRPORT. 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.

- 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.

**CONTRACTORS SAFETY REQUIREMENTS DURING CONSTRUCTION:**

- 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.
- 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.
- 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.
- 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.

|   |   |   |   |  |   |  |   |
|---|---|---|---|--|---|--|---|
| CONSULTANT:<br> AIRPORT DESIGN CONSULTANTS<br>6031 UNIVERSITY BLVD, SUITE 330<br>ELLICOTT CITY, MD 21043<br>TEL: 410 465 9600<br>FAX: 410 465 9602 | SEAL:<br> STATE OF MARYLAND<br>PROFESSIONAL ENGINEER<br>NO. 32705<br>6/17/24 | PROFESSIONAL CERTIFICATION:<br>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: B.J.D.<br>DRAWN: J.A.A.<br>CHECKED: V.J.D.<br>APPROVED: R.N.M.              | REVISION NO.<br>REVISION DATE  | DESCRIPTIONS  | PROJECT TITLE:<br>ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT | FAA AIP No.: 3-240019-071-2024<br>Bid No.: PUR-1695 |
|   |   | LICENSE NO. 32705<br>EXPIRATION DATE: 02/21/2026  |  |  HAGERSTOWN REGIONAL AIRPORT<br>Washington County, MD | SHEET TITLE:<br>GENERAL CONSTRUCTION AND SAFETY NOTES 1 | SCALE: N.A.  | DATE: JUNE 2024                                     |

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 AIR 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.

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

- 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.
- 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.
- 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.
- 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 PHASING NOTES AND DETAILS SHEET. EQUIPMENT SHALL BE PARKED AT THE STAGING AREA WHEN NOT IN USE.
- 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.

- 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.
- 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.
- THE CONTRACTOR SHALL FAMILIARIZE HIS PERSONNEL WITH CLEARANCES NEEDED TO PROVIDE FOR THE SAFE OPERATION OF RUNWAYS AND TAXIWAYS AS SHOWN IN THE PLANS.
- 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.
- 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.
- IN ACCORDANCE WITH THE SPECIFICATIONS, FEDERAL WAGE RATES SHALL BE POSTED OUTSIDE THE SITE FIELD OFFICE(S) IN A WEATHERPROOF ENCLOSURE.

I. UTILITIES

- 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.
- 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.
- 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.

UTILITY OWNERSHIP:

POTOMAC EDISON  
WORK ORDER NO.: 770171399  
10435 DOWNSVILLE PIKE  
HAGERSTOWN, MARYLAND 21740  
301-790-3400

VERIZON  
120 WEST ANTIETAM STREET  
HAGERSTOWN, MARYLAND 21740  
301-797-9930

ANTIETAM CABLE TV  
1000 WILLOW CIRCLE  
HAGERSTOWN, MARYLAND 21740  
301-797-5000

HAGERSTOWN WATER DEPARTMENT  
51 WEST MEMORIAL BOULEVARD  
HAGERSTOWN, MARYLAND 21740  
301-739-8577

WASHINGTON COUNTY WATER AND SEWER DEPARTMENT  
16232 ELLIOTT PARKWAY  
WILLIAMSPORT, MARYLAND 21795  
240-313-2600

COLUMBIA GAS OF MARYLAND  
55 SYCAMORE STREET  
HAGERSTOWN, MARYLAND 21740  
888-460-4332

MISS UTILITY OF MARYLAND  
TICKET# 24341751  
TICKET# 24341732  
TICKET# 24341716  
TICKET# 24341683  
TICKET# 24341682

J. SECURITY

- 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.
- 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.
- 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.
- 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, 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.
- 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:



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: 02/21/2026

DESIGNED:

B.J.D.  
DRAWN:  
J.A.A.  
CHECKED:  
V.J.D.  
APPROVED:  
R.N.M.

REVISION NO.

REVISION DATE

DESCRIPTIONS

BID DOCUMENTS



PROJECT TITLE:

ARFF BUILDING DEMOLITION;  
AOA FENCE/ACCESS GATE REALIGNMENT

SHEET TITLE:

GENERAL CONSTRUCTION AND SAFETY NOTES 2

SCALE:

N.A.

DATE:

JUNE 2024

FAA AIP No.: 3-240019071-2024  
Bid No.: PUR-1695

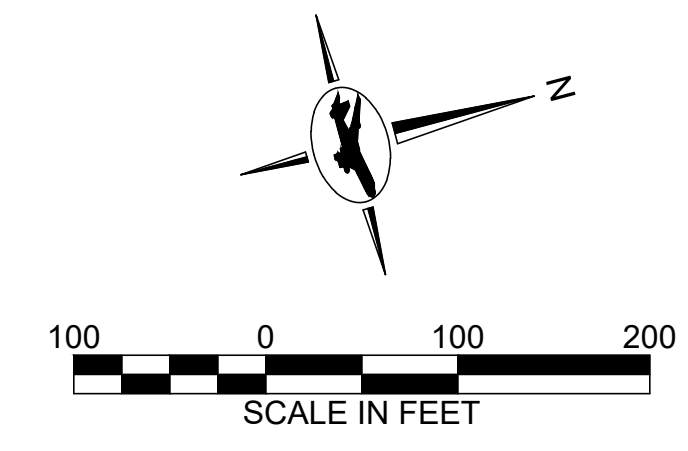
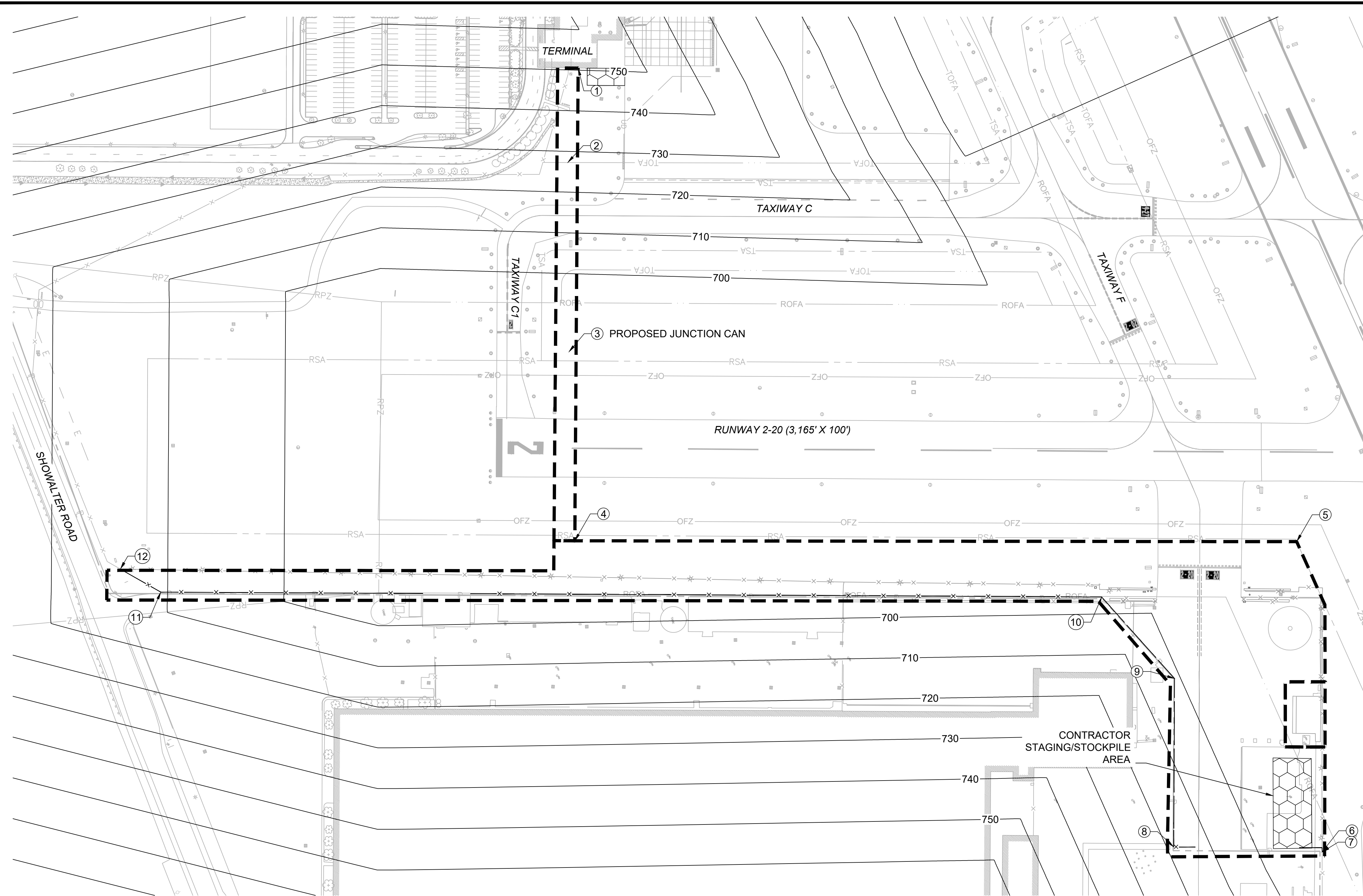
SHEET NO.:

G1004

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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.
- OFZ ELEVATIONS SHOWN ARE RELATIVE TO RUNWAY 9-27.

**LEGEND:**

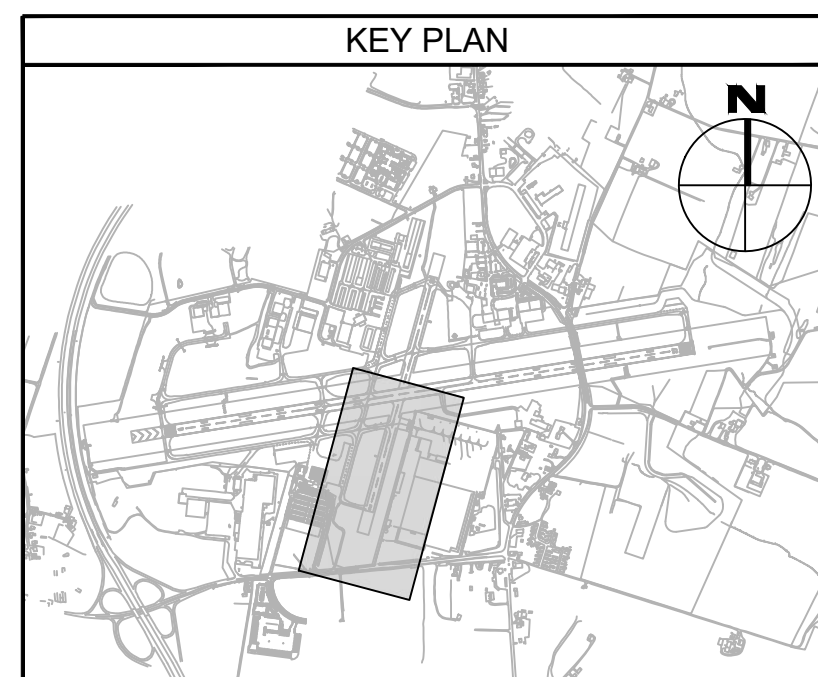
- WORK AREA
- EXISTING AOA FENCE
- POINT #
- FAR PART 77 CONTOUR

**MAXIMUM EQUIPMENT HEIGHT**

| POINT # | NORTHING   | EASTING      | LATITUDE (N)   | LONGITUDE (W)  | SITE ELEV. | PART 77 ELEV. | OFZ ELEV. | MAX. ALLOWABLE HEIGHT (AGL) |
|---------|------------|--------------|----------------|----------------|------------|---------------|-----------|-----------------------------|
| 1       | 743,203.87 | 1,106,676.82 | 39° 42' 18.06" | 77° 43' 51.21" | 690.3      | 750.6         | 853.1     | 162.8'                      |
| 2       | 743,144.55 | 1,106,828.96 | 39° 42' 17.49" | 77° 43' 49.26" | 687.2      | 728.1         | 853.1     | 165.9'                      |
| 3       | 743,062.20 | 1,107,143.94 | 39° 42' 16.70" | 77° 43' 45.22" | 689.9      | 703.1         | 853.1     | 163.2'                      |
| 4       | 742,988.01 | 1,107,460.19 | 39° 42' 15.99" | 77° 43' 41.17" | 691.1      | 703.1         | 853.1     | 162.0'                      |
| 5       | 744,186.14 | 1,107,782.72 | 39° 42' 27.86" | 77° 43' 37.17" | 695.6      | 703.1         | 760.2     | 64.6'                       |
| 6       | 744,090.28 | 1,108,309.38 | 39° 42' 26.95" | 77° 43' 30.42" | 696.6      | 703.1         | 789.6     | 93.0'                       |

**MAXIMUM PERMANENT HEIGHT**

| POINT # | NORTHING   | EASTING      | LATITUDE (N)   | LONGITUDE (W)  | SITE ELEV. | PART 77 ELEV. | OFZ ELEV. | MAX. ALLOWABLE HEIGHT (AGL) |
|---------|------------|--------------|----------------|----------------|------------|---------------|-----------|-----------------------------|
| 7       | 744,090.27 | 1,108,309.40 | 39° 42' 26.95" | 77° 43' 30.42" | 696.6      | 703.1         | 789.6     | 6.5'                        |
| 8       | 743,846.13 | 1,108,235.06 | 39° 42' 24.53" | 77° 43' 31.34" | 696.4      | 719.3         | 828.7     | 22.9'                       |
| 9       | 743,922.50 | 1,107,955.68 | 39° 42' 25.26" | 77° 43' 34.93" | 695.7      | 705.4         | 808.4     | 9.7'                        |
| 10      | 743,837.79 | 1,107,787.97 | 39° 42' 24.41" | 77° 43' 37.06" | 694.1      | 703.1         | 818.0     | 9.0'                        |
| 11      | 742,277.81 | 1,107,361.23 | 39° 42' 08.96" | 77° 43' 42.36" | 689.6      | 711.8         | 853.1     | 22.2'                       |
| 12      | 742,221.03 | 1,107,305.00 | 39° 42' 08.40" | 77° 43' 43.08" | 687.9      | 714.6         | 853.1     | 26.7'                       |



CONSULTANT:

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

SEAL:

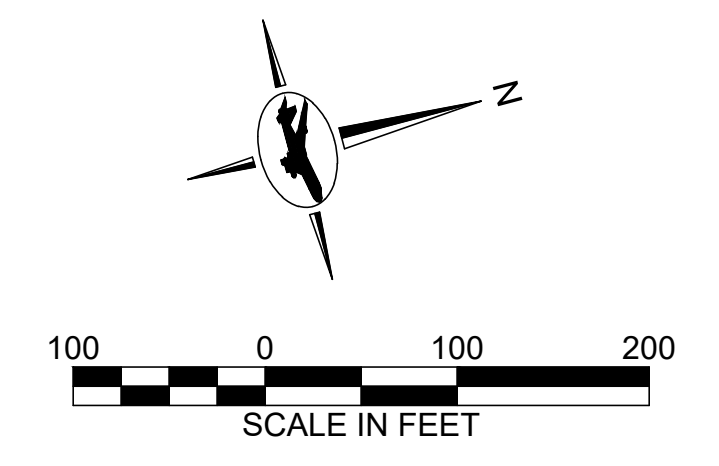
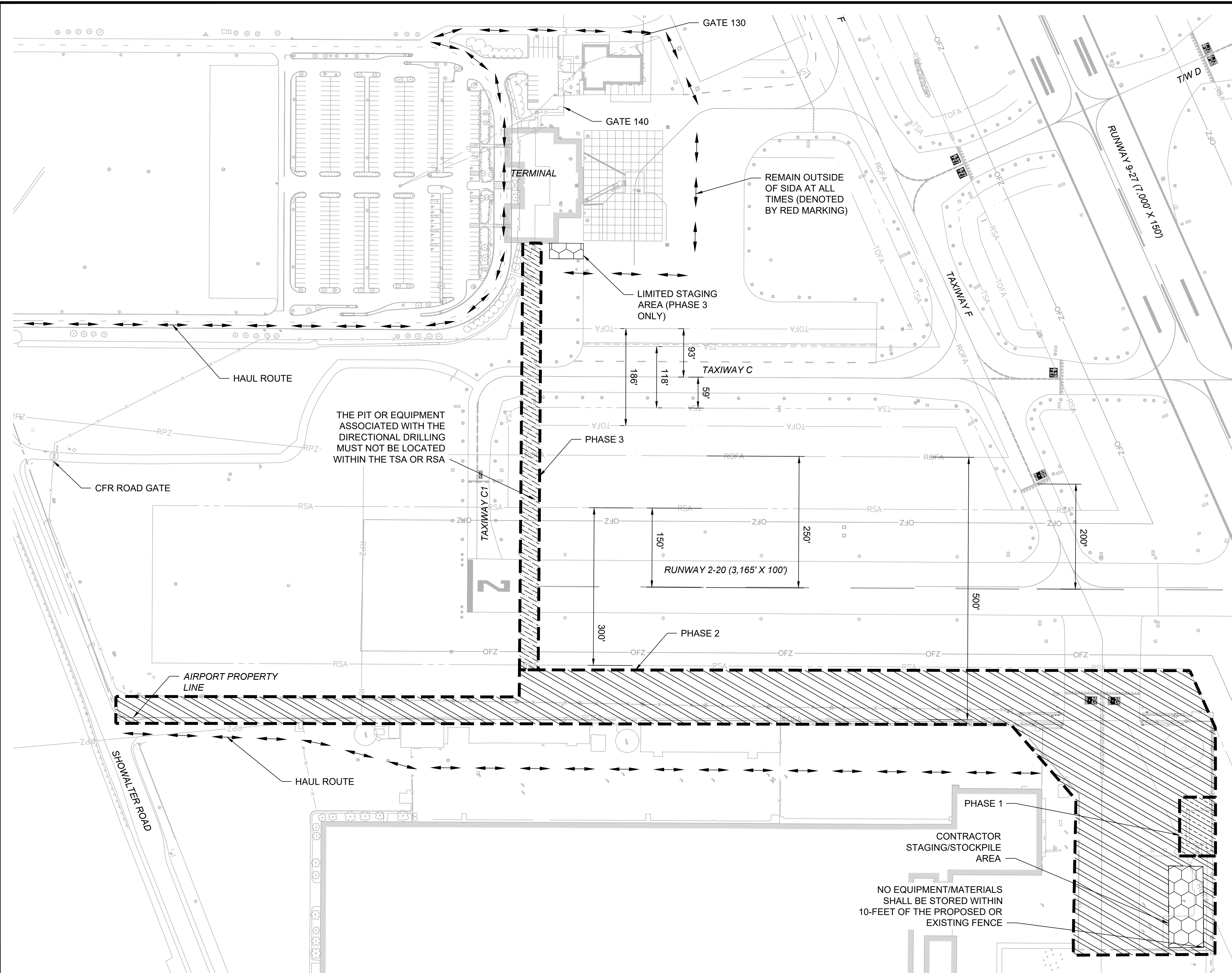
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LICENSE NO. 32705  
EXPIRATION DATE: 02/21/2026

| DESIGNED: | REVISION NO. | REVISION DATE | DESCRIPTIONS |
|-----------|--------------|---------------|--------------|
| B.J.D.    |              |               |              |
| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT  
SHEET TITLE: MAXIMUM EQUIPMENT HEIGHT PLAN  
SCALE: AS SHOWN  
DATE: JUNE 2024

FAA AIP No.: 3-240019-071-2024  
Bid No.: PUR-1695  
SHEET NO.: VS100  
7 OF 45



- SEE SHEETS GI003 AND GI004 FOR GENERAL CONSTRUCTION AND SAFETY NOTES AND GC500 FOR CONSTRUCTION SAFETY PHASING NOTES AND DETAILS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GATE GUARDS AND ESCORTS.

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

**WORK DESCRIPTION:**

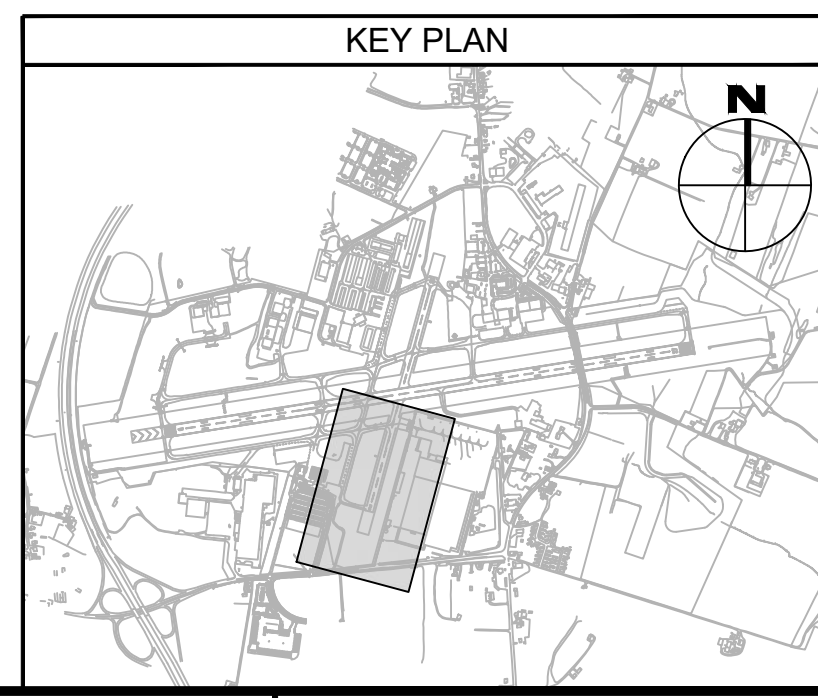
- OLD ARFF BUILDING DEMOLITION
- AIRFIELD SECURITY FENCE/GATE MODIFICATIONS (REMOVAL AND NEW INSTALLATION)
- INSTALLATION OF NEW PERIMETER GATE NOS. 170 AND 170A.
- INSTALLATION OF CCTV CAMERAS AT PERIMETER GATE 170.
- INSTALLATION OF CONTROL CABLE FROM GATE 170 AND 170A TO CENTRAL COMMUNICATIONS ROOM IN TERMINAL BUILDING.

**CONSTRUCTION WORK HOURS:**  
NO RESTRICTIONS

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

| CONCEPTUAL CONSTRUCTION SCHEDULE       |                          |
|--|--------------------------|
| PHASE                                  | DURATION (CALENDAR DAYS) |
| 1                                      | 20                       |
| 2                                      | 15                       |
| 3                                      | 5                        |
| <b>TOTAL WORKING DAYS</b>              | 40                       |
| <b>NON-WORK (WEEKEND/WEATHER) DAYS</b> | 16                       |
| <b>TOTAL CALENDAR DAYS</b>             | 56                       |

- LEGEND:**
- PHASE 1
  - 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
  - OFZ — OBSTACLE FREE ZONE



CONSULTANT:

**ADCI**  
AIRPORT DESIGN CONSULTANTS  
6031 UNIVERSITY BLVD, SUITE 330  
ELLCOTT 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: 02/21/2026

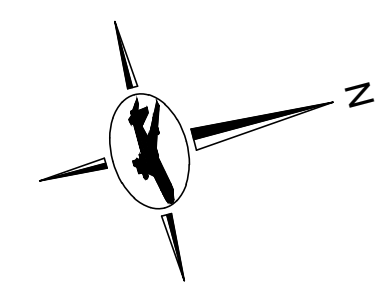
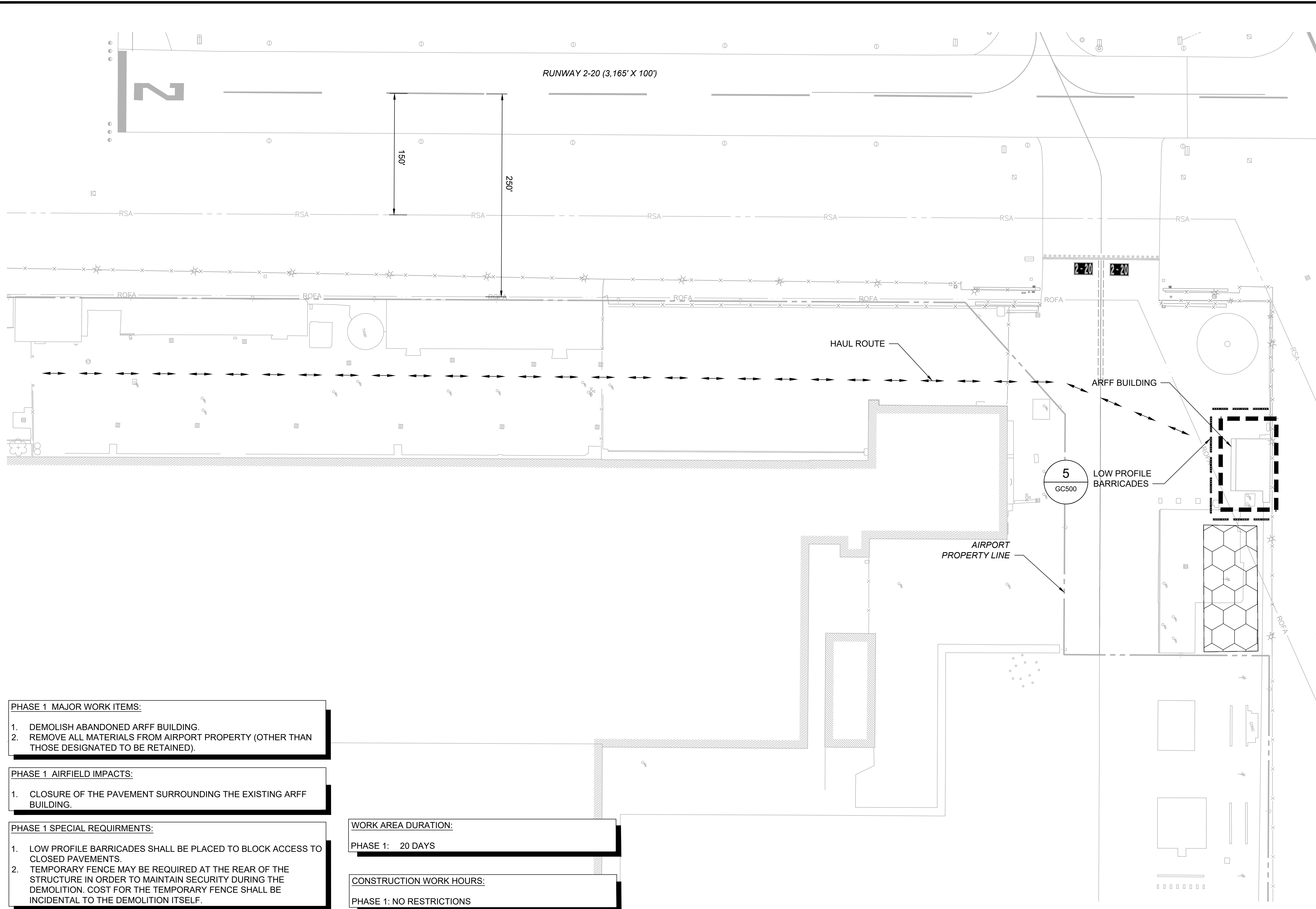
| DESIGNED: | REVISION NO. | REVISION DATE | DESCRIPTIONS |
|-----------|--------------|---------------|--------------|
| B.J.D.    |              |               |              |
| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT  
SHEET TITLE: CONSTRUCTION SAFETY AND PHASING PLANS  
SCALE: AS SHOWN  
DATE: JUNE 2024

FAA AIP No.: 3-24-0019-071-2024  
Bid No.: PUR-1695  
SHEET NO.: **GC110**  
8 OF 45





1. SEE SHEET GI003 AND GI004 FOR GENERAL CONSTRUCTION AND SAFETY NOTES AND GC500 FOR CONSTRUCTION SAFETY PHASING NOTES AND DETAILS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GATE GUARDS AND ESCORTS.
3. SEE SHEET GC110 FOR CONTRACTOR STAGING AND STOCKPILE LOCATIONS.

**LEGEND:**

- PHASE 1 WORK LIMITS
- CONTRACTOR STAGING / STOCKPILE AREA
- HAUL ROUTE
- LOW PROFILE BARRICADES
- RUNWAY SAFETY AREA
- RUNWAY OBJECT FREE AREA
- EXISTING AOA FENCE
- TAXIWAY SAFETY AREA
- TAXIWAY OBJECT FREE AREA

**PHASE 1 MAJOR WORK ITEMS:**

1. DEMOLISH ABANDONED ARFF BUILDING.
2. REMOVE ALL MATERIALS FROM AIRPORT PROPERTY (OTHER THAN THOSE DESIGNATED TO BE RETAINED).

**PHASE 1 AIRFIELD IMPACTS:**

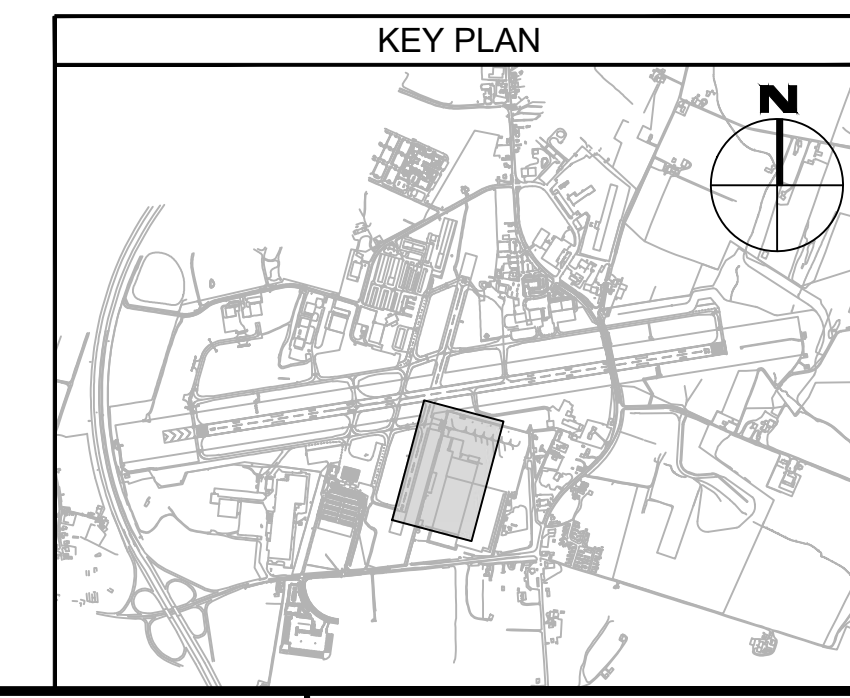
1. CLOSURE OF THE PAVEMENT SURROUNDING THE EXISTING ARFF BUILDING.

**PHASE 1 SPECIAL REQUIRMENTS:**

1. LOW PROFILE BARRICADES SHALL BE PLACED TO BLOCK ACCESS TO CLOSED PAVEMENTS.
2. TEMPORARY FENCE MAY BE REQUIRED AT THE REAR OF THE STRUCTURE IN ORDER TO MAINTAIN SECURITY DURING THE DEMOLITION. COST FOR THE TEMPORARY FENCE SHALL BE INCIDENTAL TO THE DEMOLITION ITSELF.

**WORK AREA DURATION:**  
PHASE 1: 20 DAYS

**CONSTRUCTION WORK HOURS:**  
PHASE 1: NO RESTRICTIONS



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| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

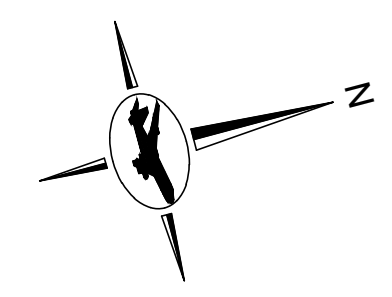
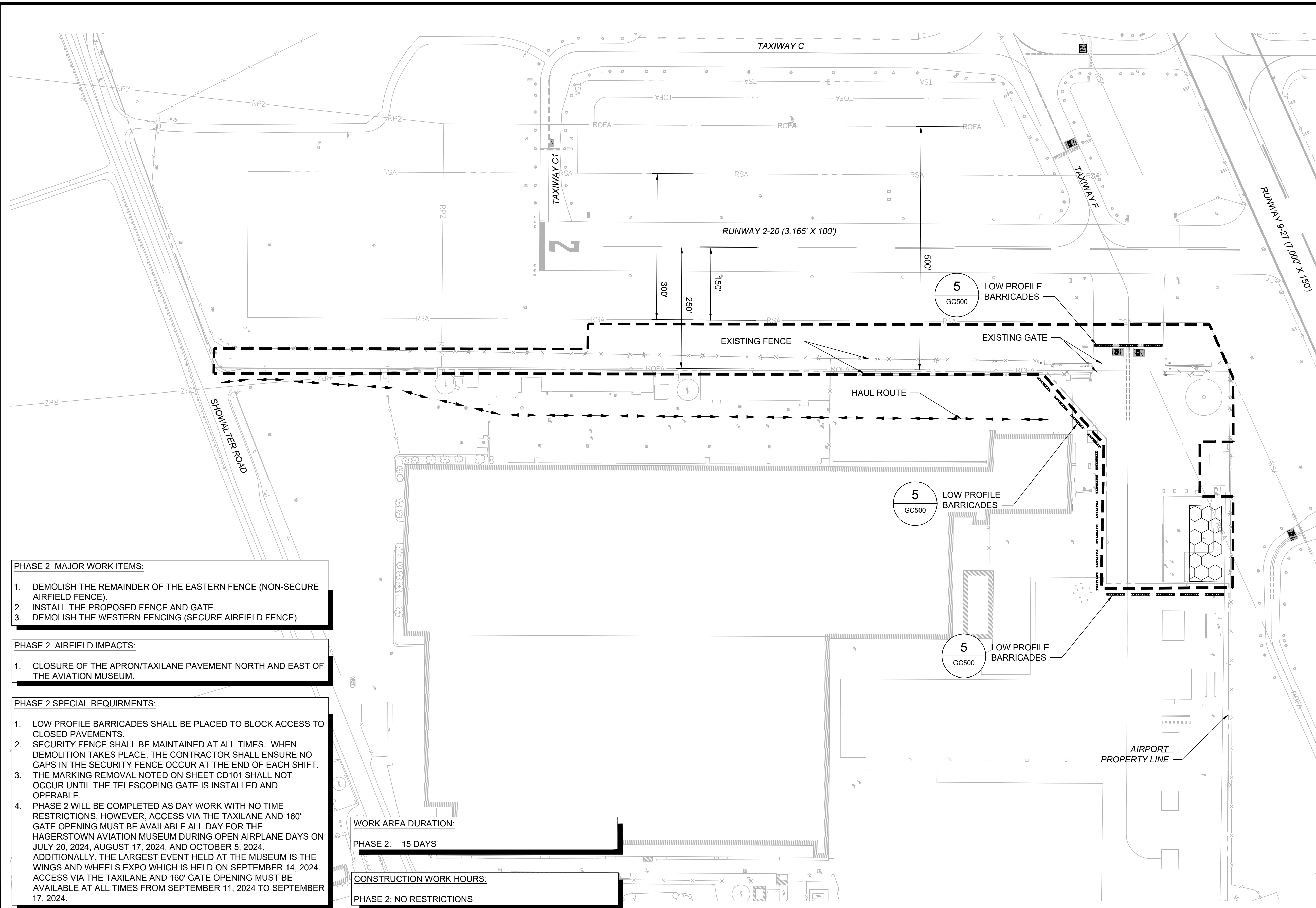
PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT

SHEET TITLE: CONSTRUCTION SAFETY AND PHASING PLAN 1

SCALE: AS SHOWN      DATE: JUNE 2024

FAA AIP No.: 3-24-0019-071-2024  
Bid No.: PUR-1695

SHEET NO.: **GC111**  
9 OF 45



1. SEE SHEET GI003 AND GI004 FOR GENERAL CONSTRUCTION AND SAFETY NOTES AND GC500 FOR CONSTRUCTION SAFETY PHASING NOTES AND DETAILS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GATE GUARDS AND ESCORTS.
3. SEE SHEET GC110 FOR CONTRACTOR STAGING AND STOCKPILE LOCATIONS.
4. CONTRACTOR SHALL RETAIN ALL SIGNS ON THE FENCE WHICH IS TO BE DEMOLISHED AND PROVIDE THE SIGNS TO THE AIRPORT.

**LEGEND:**

- PHASE 2 WORK LIMITS
- CONTRACTOR STAGING / STOCKPILE AREA
- 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 2 MAJOR WORK ITEMS:**

1. DEMOLISH THE REMAINDER OF THE EASTERN FENCE (NON-SECURE AIRFIELD FENCE).
2. INSTALL THE PROPOSED FENCE AND GATE.
3. DEMOLISH THE WESTERN FENCING (SECURE AIRFIELD FENCE).

**PHASE 2 AIRFIELD IMPACTS:**

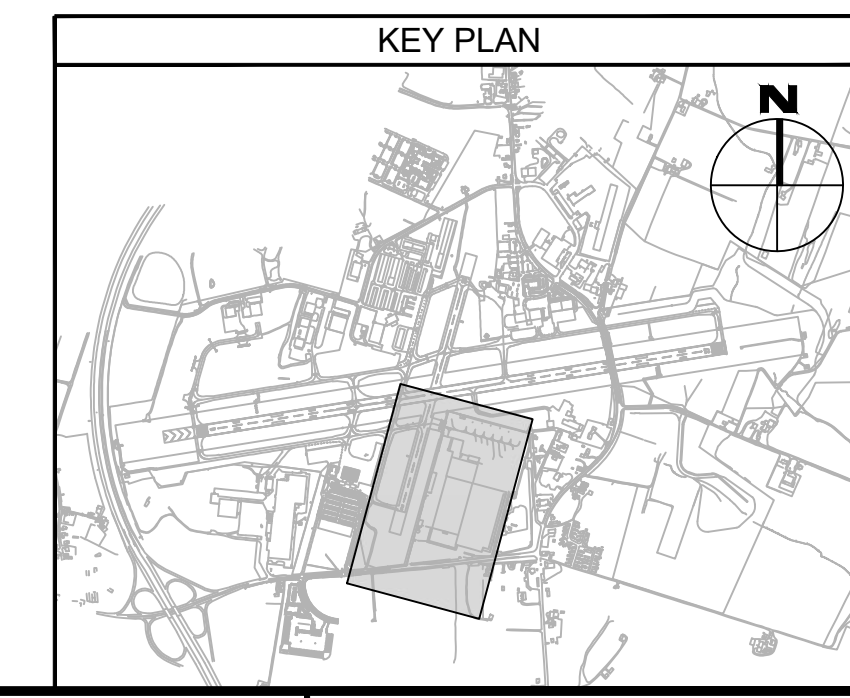
1. CLOSURE OF THE APRON/TAXILANE PAVEMENT NORTH AND EAST OF THE AVIATION MUSEUM.

**PHASE 2 SPECIAL REQUIRMENTS:**

1. LOW PROFILE BARRICADES SHALL BE PLACED TO BLOCK ACCESS TO CLOSED PAVEMENTS.
2. SECURITY FENCE SHALL BE MAINTAINED AT ALL TIMES. WHEN DEMOLITION TAKES PLACE, THE CONTRACTOR SHALL ENSURE NO GAPS IN THE SECURITY FENCE OCCUR AT THE END OF EACH SHIFT. THE MARKING REMOVAL NOTED ON SHEET CD101 SHALL NOT OCCUR UNTIL THE TELESCOPING GATE IS INSTALLED AND OPERABLE.
3. PHASE 2 WILL BE COMPLETED AS DAY WORK WITH NO TIME RESTRICTIONS, HOWEVER, ACCESS VIA THE TAXILANE AND 160' GATE OPENING MUST BE AVAILABLE ALL DAY FOR THE HAGERSTOWN AVIATION MUSEUM DURING OPEN AIRPLANE DAYS ON JULY 20, 2024, AUGUST 17, 2024, AND OCTOBER 5, 2024. ADDITIONALLY, THE LARGEST EVENT HELD AT THE MUSEUM IS THE WINGS AND WHEELS EXPO WHICH IS HELD ON SEPTEMBER 14, 2024. ACCESS VIA THE TAXILANE AND 160' GATE OPENING MUST BE AVAILABLE AT ALL TIMES FROM SEPTEMBER 11, 2024 TO SEPTEMBER 17, 2024.

**WORK AREA DURATION:**  
PHASE 2: 15 DAYS

**CONSTRUCTION WORK HOURS:**  
PHASE 2: NO RESTRICTIONS



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FAX: 410.465.9602

SEAL:

STATE OF MARYLAND  
J. A. A.  
PROFESSIONAL ENGINEER  
NO. 32705  
EXPIRATION DATE: 02/21/2026

| DESIGNED: | REVISION NO. | REVISION DATE | DESCRIPTIONS |
|-----------|--------------|---------------|--------------|
| B.J.D.    |              |               |              |
| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
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| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

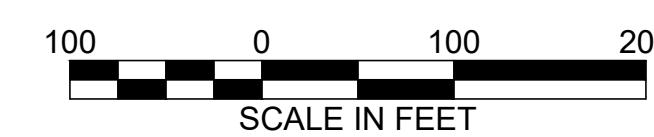
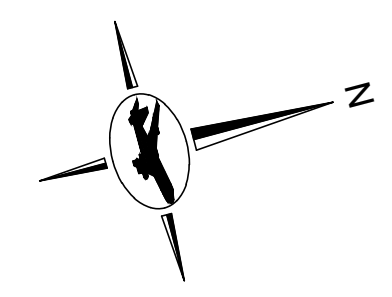
PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT

SHEET TITLE: CONSTRUCTION SAFETY AND PHASING PLAN 2

SCALE: AS SHOWN      DATE: JUNE 2024

FAA AIP No.: 3-240019-071-2024  
Bid No.: PUR-1695

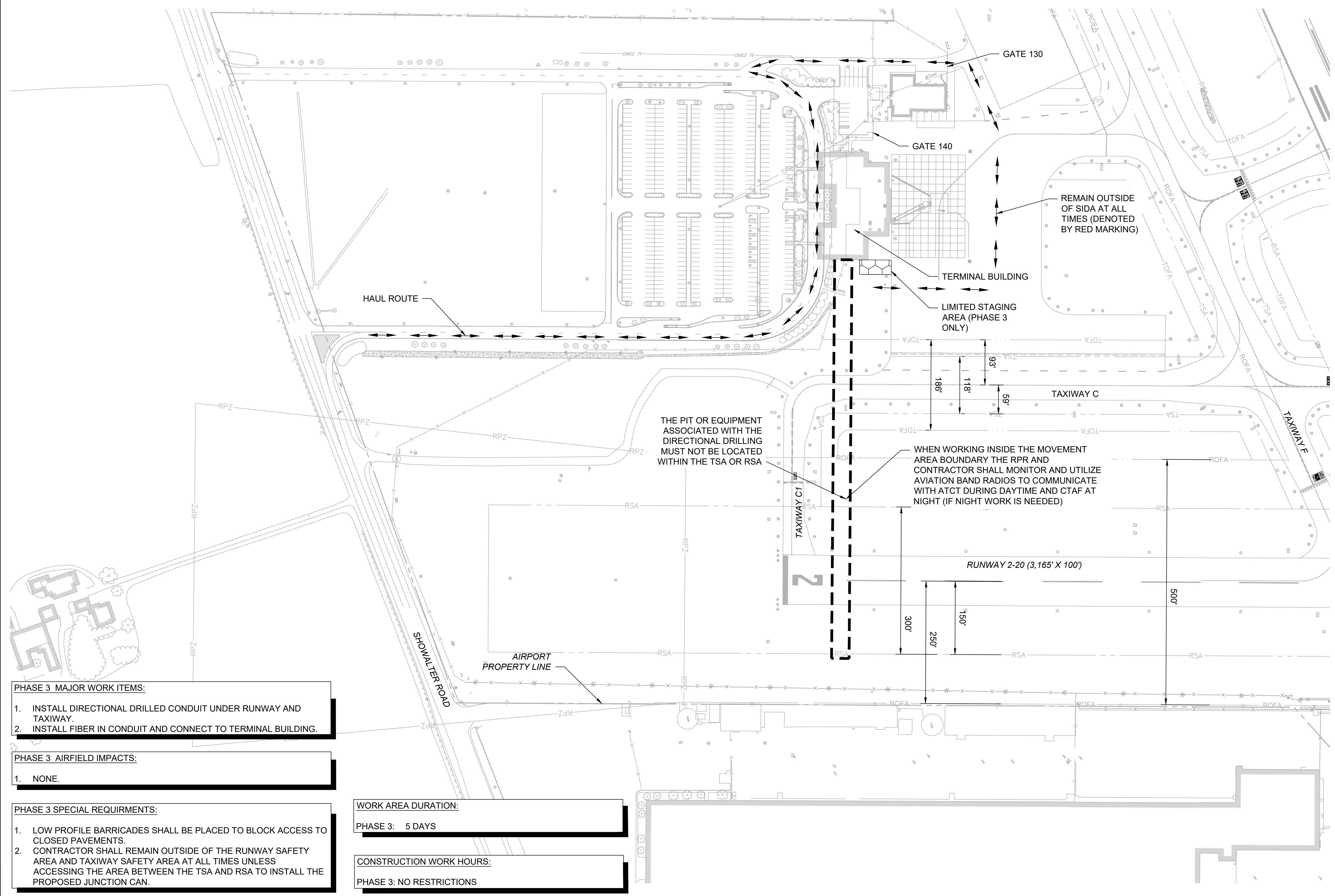
SHEET NO.: **GC112**  
10 OF 45



1. SEE SHEET G1003 AND G1004 FOR GENERAL CONSTRUCTION AND SAFETY NOTES AND GC500 FOR CONSTRUCTION SAFETY PHASING NOTES AND DETAILS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GATE GUARDS AND ESCORTS.
3. SEE SHEET GC110 FOR CONTRACTOR STAGING AND STOCKPILE LOCATIONS.

LEGEND:

- PHASE 3 WORK LIMITS
- HAUL ROUTE
- 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:**

1. INSTALL DIRECTIONAL DRILLED CONDUIT UNDER RUNWAY AND TAXIWAY.
2. INSTALL FIBER IN CONDUIT AND CONNECT TO TERMINAL BUILDING.

**PHASE 3 AIRFIELD IMPACTS:**

1. NONE.

**PHASE 3 SPECIAL REQUIRMENTS:**

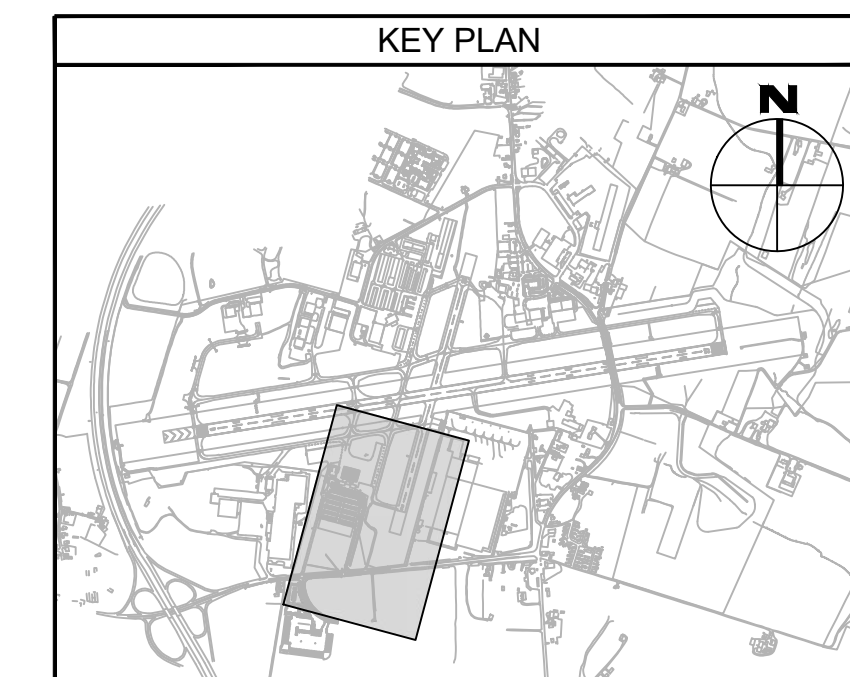
1. LOW PROFILE BARRICADES SHALL BE PLACED TO BLOCK ACCESS TO CLOSED PAVEMENTS.
2. CONTRACTOR SHALL REMAIN OUTSIDE OF THE RUNWAY SAFETY AREA AND TAXIWAY SAFETY AREA AT ALL TIMES UNLESS ACCESSING THE AREA BETWEEN THE TSA AND RSA TO INSTALL THE PROPOSED JUNCTION CAN.

**WORK AREA DURATION:**

PHASE 3: 5 DAYS

**CONSTRUCTION WORK HOURS:**

PHASE 3: NO RESTRICTIONS



CONSULTANT:

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 AIRPORT DESIGN CONSULTANTS  
 6031 UNIVERSITY BLVD, SUITE 330  
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| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
 Washington County, MD

PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT

SHEET TITLE: CONSTRUCTION SAFETY AND PHASING PLAN 3

SCALE: AS SHOWN      DATE: JUNE 2024

FAA AIP No.: 3-24-0019-071-2024  
 Bid No.: PUR-1695

SHEET NO.: **GC113**  
 11 OF 45

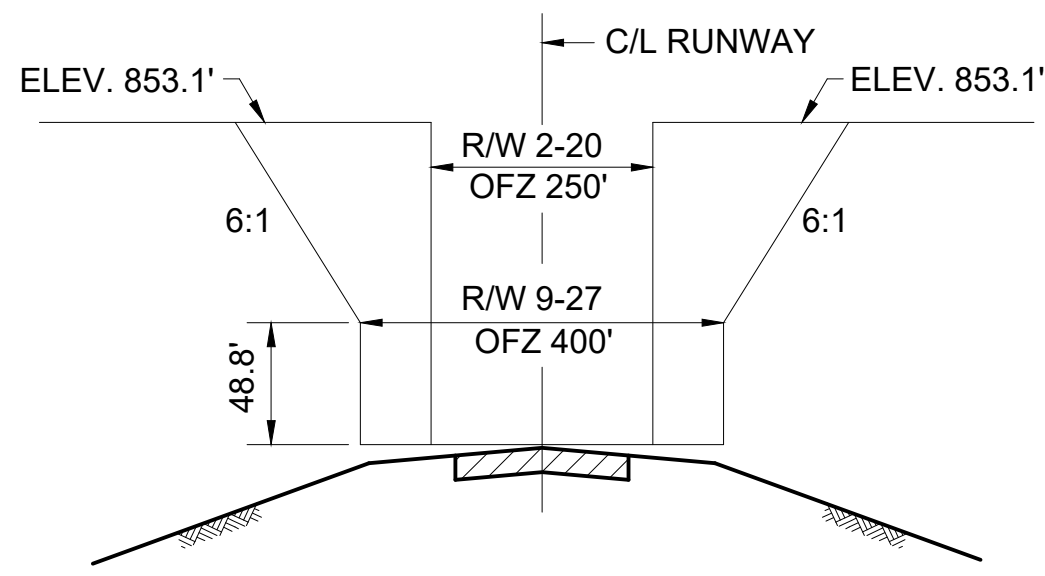
**GENERAL PHASING NOTES:**

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.
11. WHEN INSTALLING SECURITY FENCE, OR NEW AIRFIELD GATES, THE CONTRACTOR MUST AT ALL TIMES PROVIDE SECURITY WHERE FENCE IS REMOVED. THE NEW FENCE MUST BE IN-PLACE BEFORE THE EXISTING FENCE IS REMOVED.

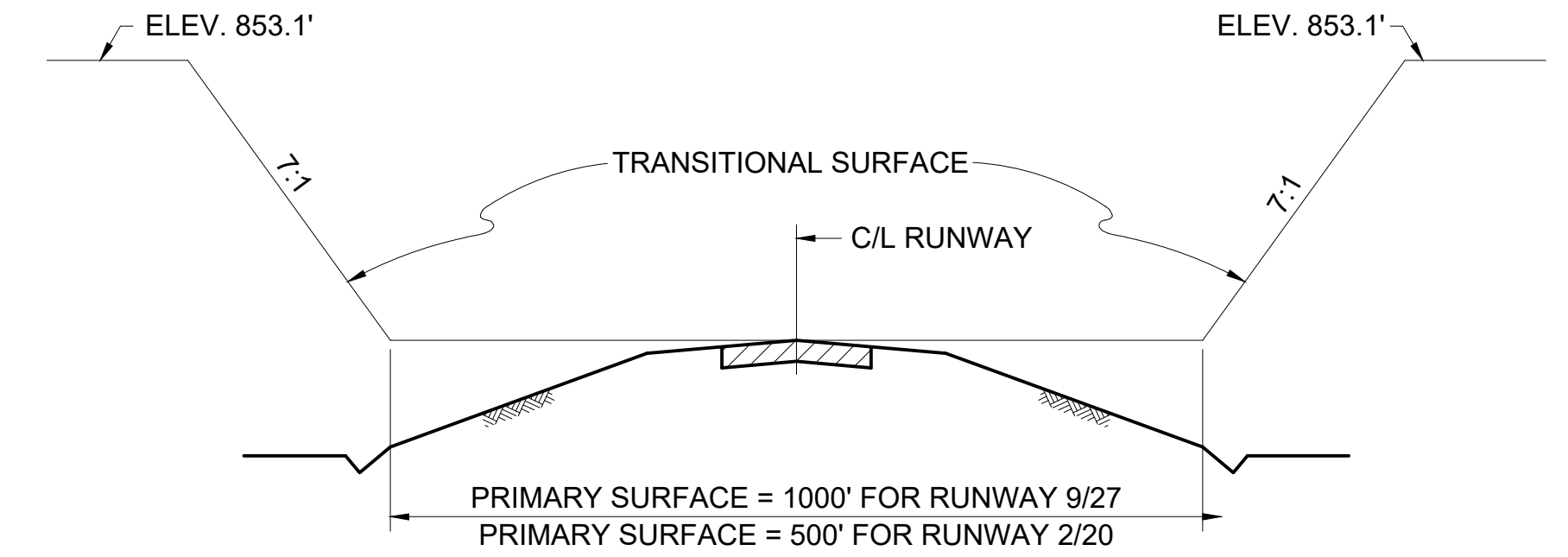
**SUPERVISION:**

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.

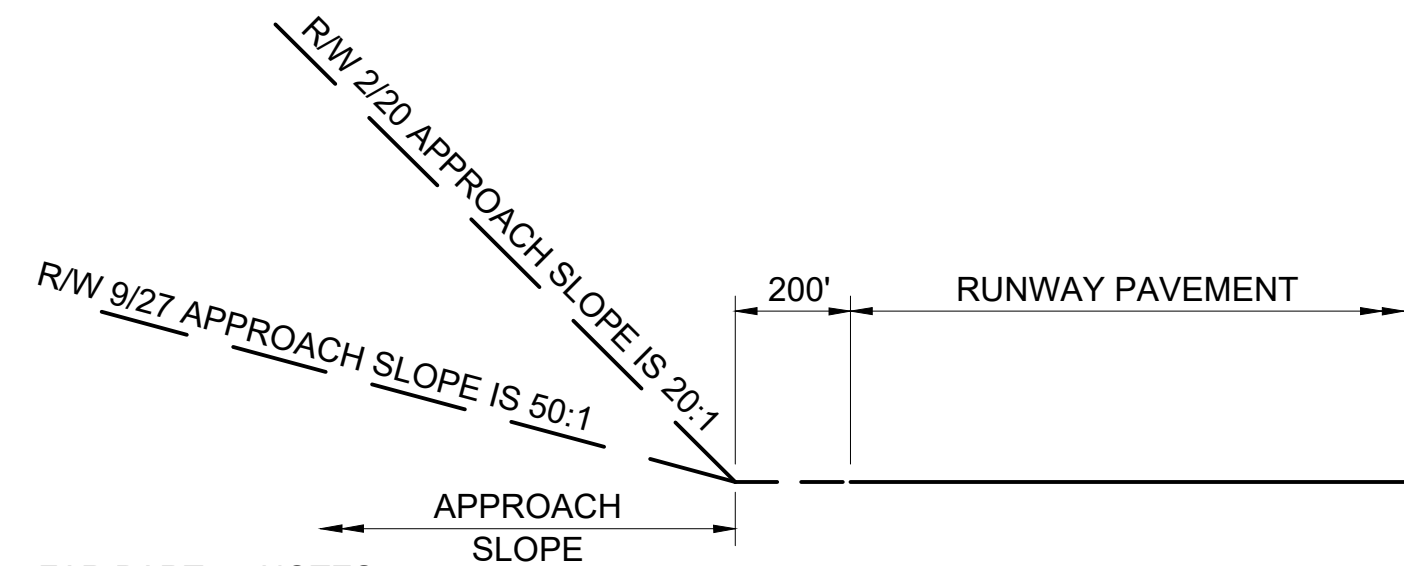
ALL WORK MUST BE PERFORMED WITH THE RPR AND/OR AIRPORT PERSONNEL ON THE SITE. WORK DURING EVENINGS AND WEEKENDS MUST BE COORDINATED WITH THE RPR AND AIRPORT PERSONNEL AT LEAST 7 DAYS IN ADVANCE, EXCLUDING EMERGENCIES AND INCLEMENT WEATHER CONDITIONS. ALL PERSONNEL SHALL CLEAR THE CONSTRUCTION AREA ONCE 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  
GC500 SCALE: NTS



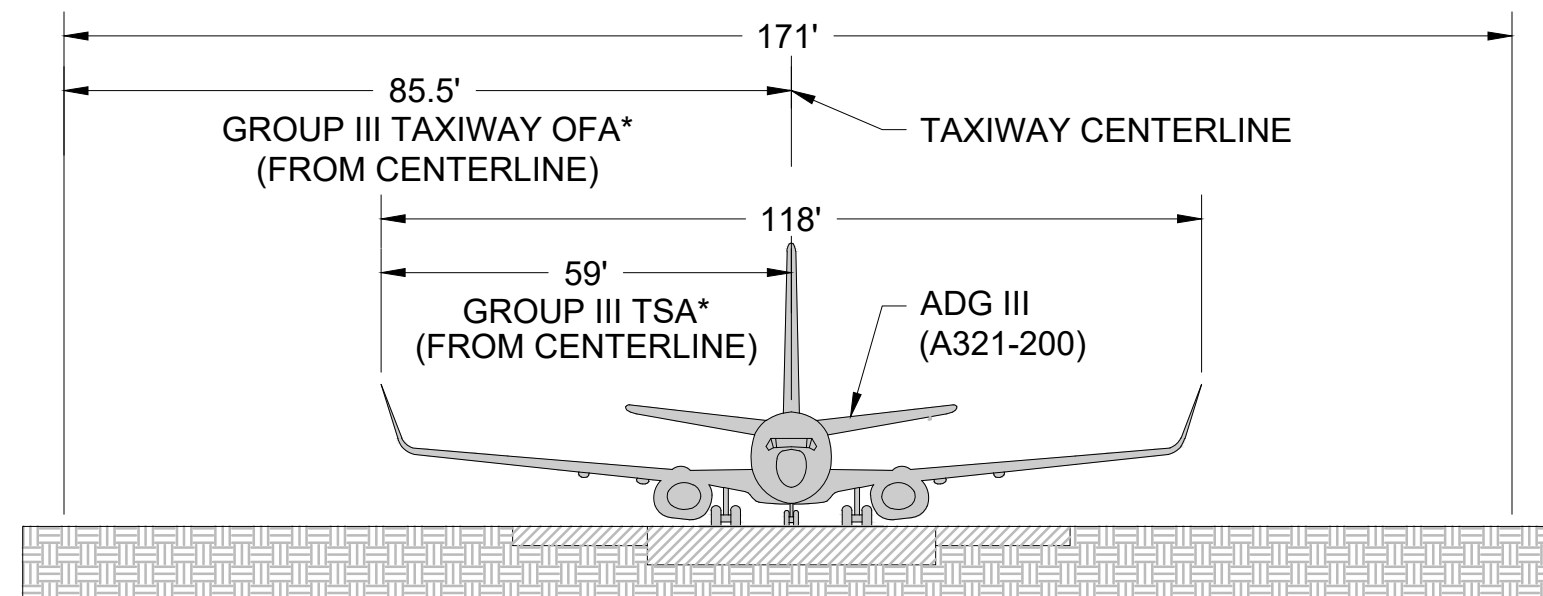
**2** TYPICAL SECTION FAR PART 77 IMAGINARY SURFACES  
GC500 SCALE: NTS



**FAR PART 77 NOTES:**

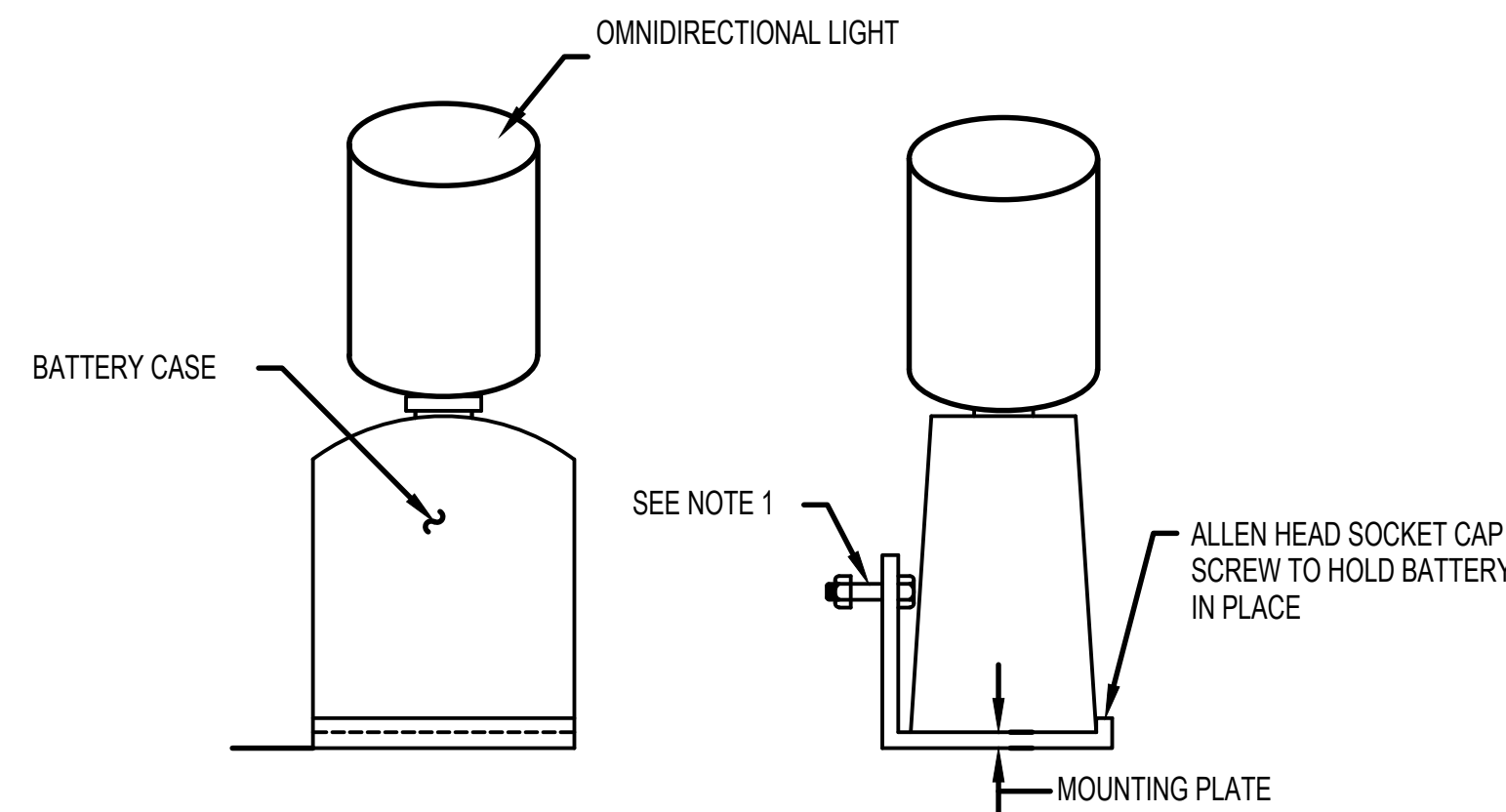
1. THE OFZ SHALL GOVERN EQUIPMENT CLEARANCE DURING CONSTRUCTION ADJACENT TO AN ACTIVE RUNWAY. UNDER NO CIRCUMSTANCES SHALL ANY MEN OR EQUIPMENT PENETRATE THESE SURFACES UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE WITH THE RPR, HGR, AND THE TOWER.
2. THE FAR PART 77 SURFACES (PRIMARY AND TRANSITIONAL) GOVERN 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.

**3** TYPICAL PROFILE FAR PART 77 IMAGINARY SURFACES  
GC500 SCALE: NTS



\*NO CONSTRUCTION MAY OCCUR WITHIN THE TAXIWAY OBJECT FREE AREA WHILE THE TAXIWAY IS OPEN FOR AIRCRAFT OPERATIONS. SEE FAA AC 150/5370-2G, SECTION 2.22.4 FOR ADDITIONAL RESTRICTIONS.

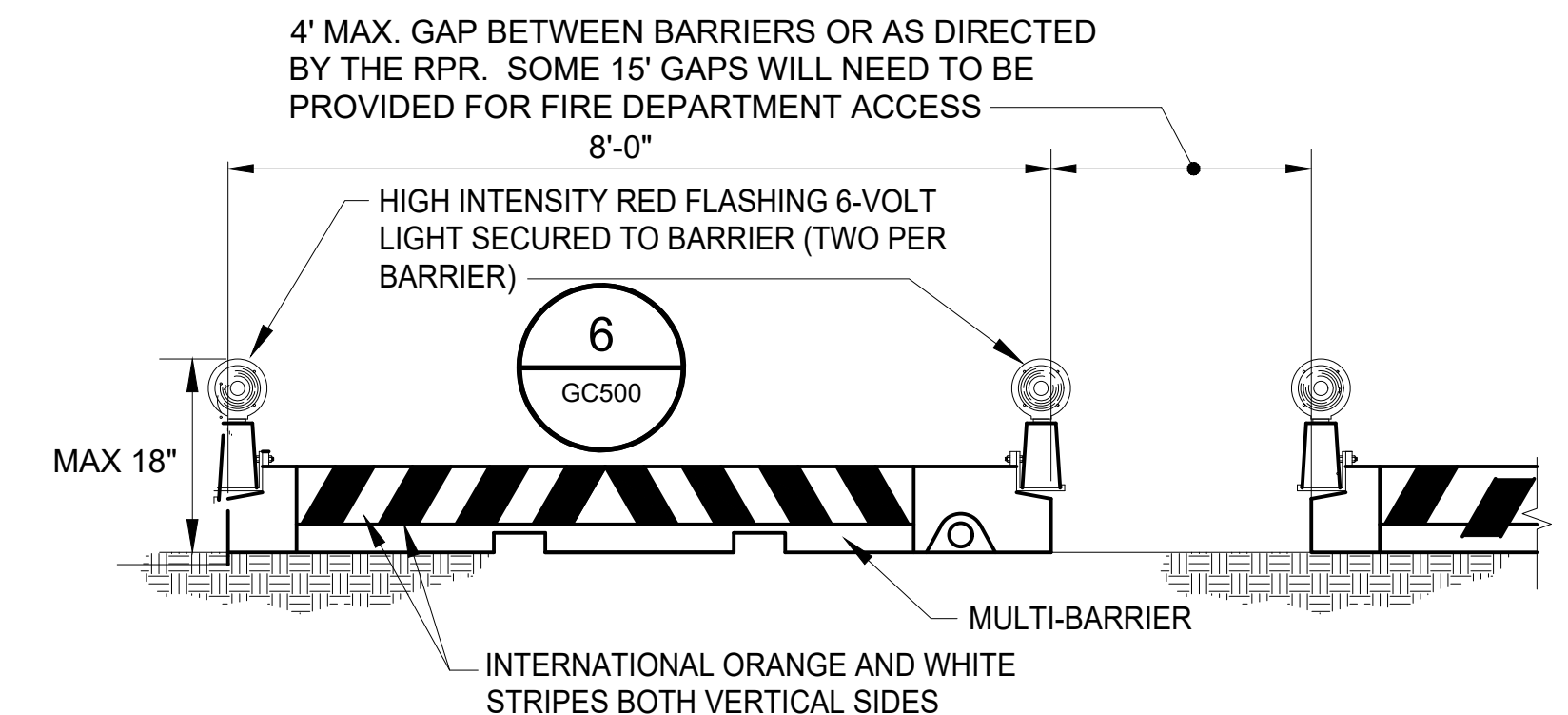
**4** GROUP III TAXIWAY SAFETY AREA (TSA) - TAXIWAY OBJECT FREE AREA (TOFA) - TANGENT SECTION  
GC500 SCALE: NTS



**NOTES:**

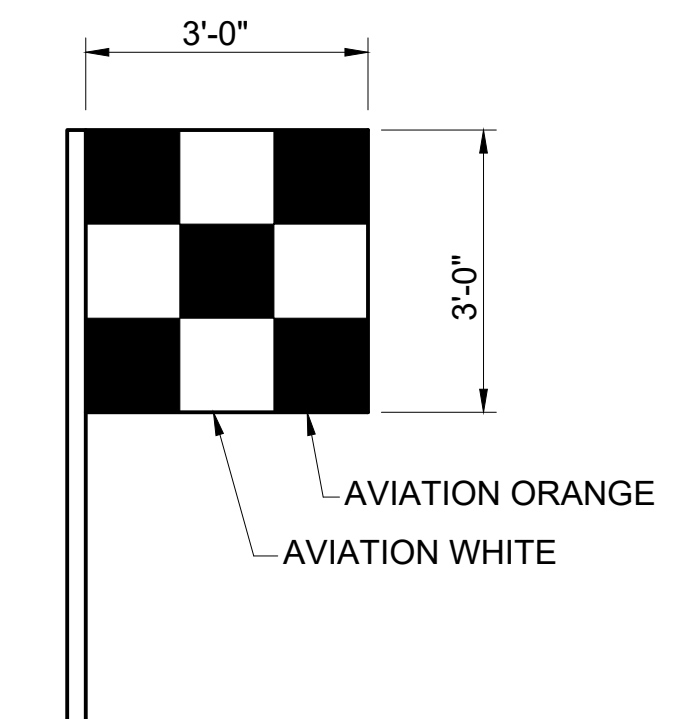
1. MOUNTING PER MANUFACTURER RECOMMENDATION TO WITHSTAND 80 MPH JET BLAST.

**6** TEMPORARY BARRIER LIGHT DETAIL  
GC500 SCALE: NTS



\* TIMBER BARRICADES MAY ALSO BE ACCEPTABLE

**5** POLYETHYLENE CONSTRUCTION BARRIERS  
GC500 SCALE: NTS



**7** VEHICLE-EQUIPMENT FLAG  
GC500 SCALE: NTS

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| APPROVED: |              |               |              |
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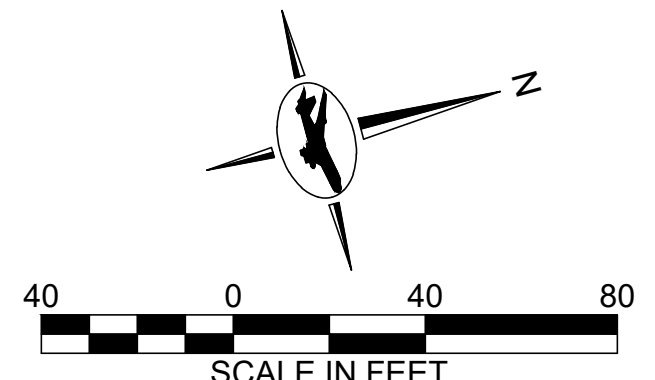
**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

|                |  |
|----------------|--|
| PROJECT TITLE: | ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT |
| SHEET TITLE:   | CONSTRUCTION SAFETY PHASING<br>NOTES AND DETAILS               |
| SCALE:         | N.A.   |
| DATE:          | JUNE 2024  |

FAA AIP No.: 3-240019-071-2024  
Bid No.: PUR-1695

SHEET NO.:  
**GC500**

12 OF 45

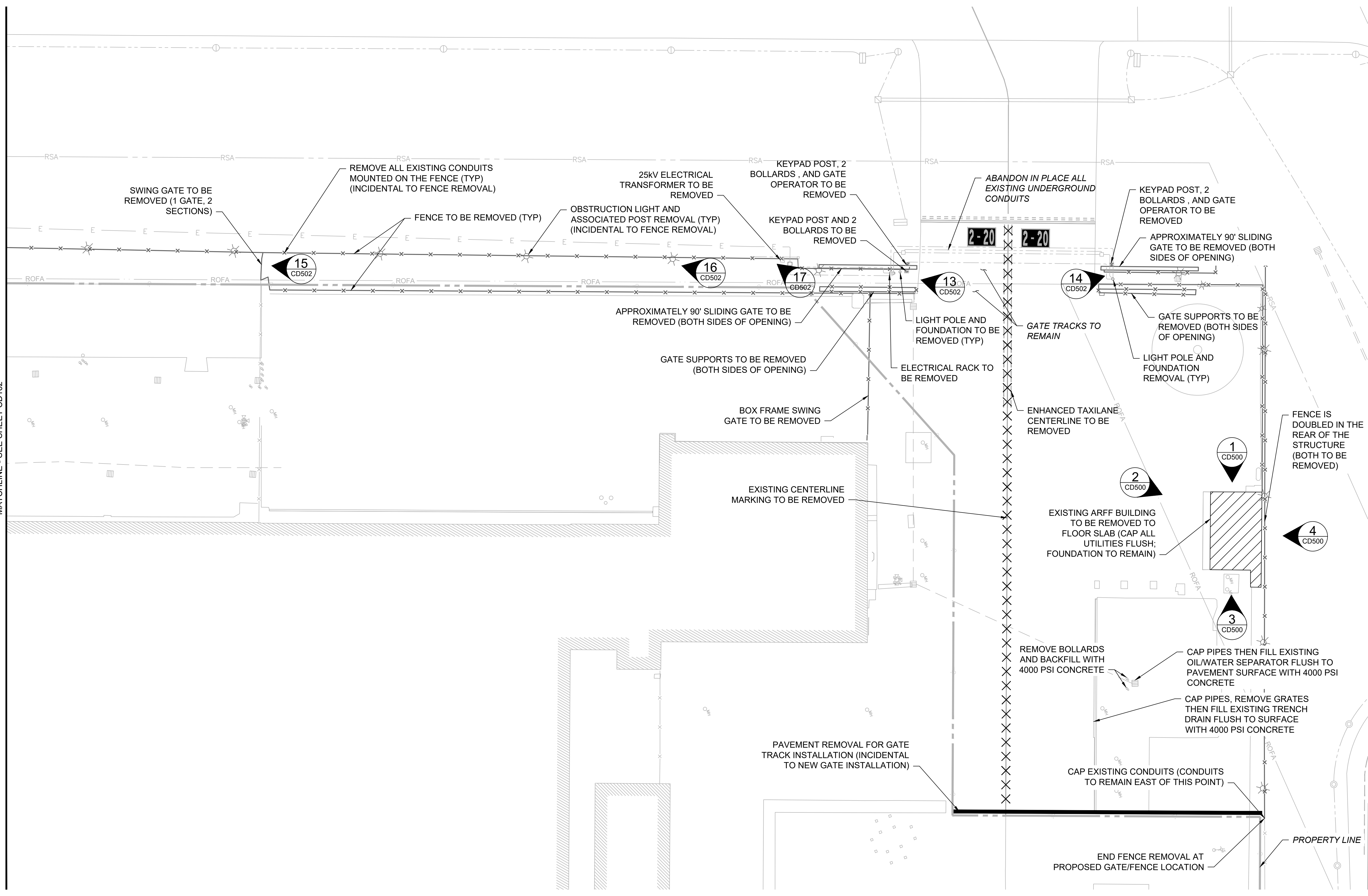
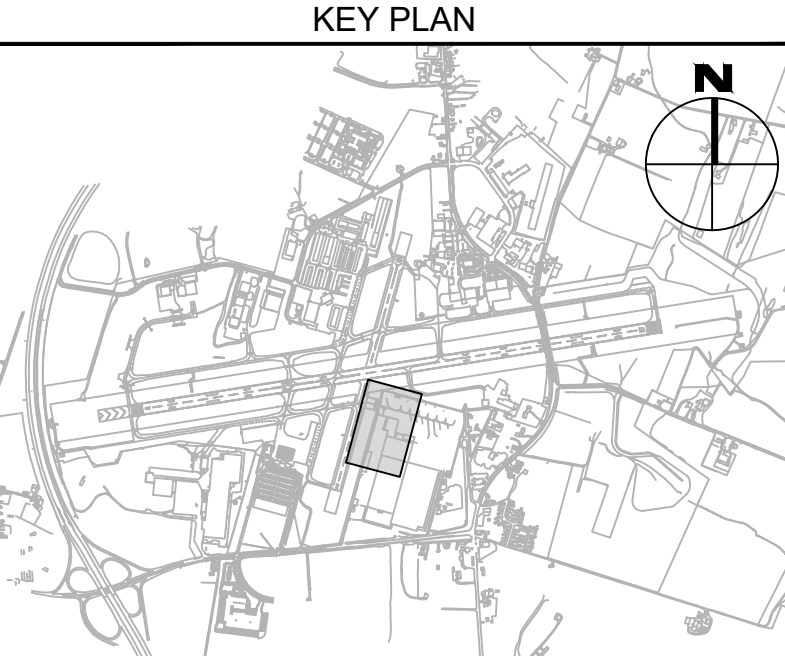


**NOTES:**

1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
2. SEE SHEET GC101 FOR SURVEY CONTROL AND BASELINE PLAN.
3. THE REMOVAL OF THE EXISTING CONDUITS AND OBSTRUCTION LIGHTS MOUNTED ON THE EXISTING FENCE IS INCIDENTAL TO THE LINE ITEM FOR REMOVAL OF THE EXISTING FENCE. SIMILARLY, THE REMOVAL OF GROUNDING RODS AND WIRE IS INCIDENTAL TO THE REMOVAL OF THE EXISTING FENCE ITEM.
4. CONTRACTOR SHALL COORDINATE WITH THE POWER COMPANY IN ORDER TO RELOCATE THE EXISTING ELECTRICAL TRANSFORMER. POWER TO THE MUSEUM MUST NOT BE INTERRUPTED.
5. CONTRACTOR SHALL RETAIN ALL SIGNS ON THE FENCE WHICH IS TO BE DEMOLISHED AND PROVIDE THE SIGNS TO THE AIRPORT.
6. PHOTOS 5 AND 6 ON SHEET CD500 DO NOT HAVE A PHOTO LOCATION SHOWN ON THIS SHEET.
7. MARKING REMOVAL SHALL BE ACCOMPLISHED BY AN ACCEPTABLE METHOD TO THE ENGINEER. GRINDING IS NOT ACCEPTABLE.

**LEGEND:**

- FENCE/GATE REMOVAL
- STRUCTURE REMOVAL
- PHOTO LOCATION
- PAVEMENT REMOVAL
- PAVEMENT MARKING REMOVAL
- 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
- RUNWAY SAFETY AREA
- RUNWAY OBJECT FREE AREA



MATCHLINE - SEE SHEET CD102

**CONSULTANT:**

**AIRCRAFT DESIGN CONSULTANTS**  
6031 UNIVERSITY BLVD, SUITE 330  
ELLCOTT CITY, MD 21043  
TEL: 410.465.9600  
FAX: 410.465.9602

**SEAL:**

| DESIGNED: | REVISION NO. | REVISION DATE | DESCRIPTIONS |
|-----------|--------------|---------------|--------------|
| B.J.D.    |              |               |              |
| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

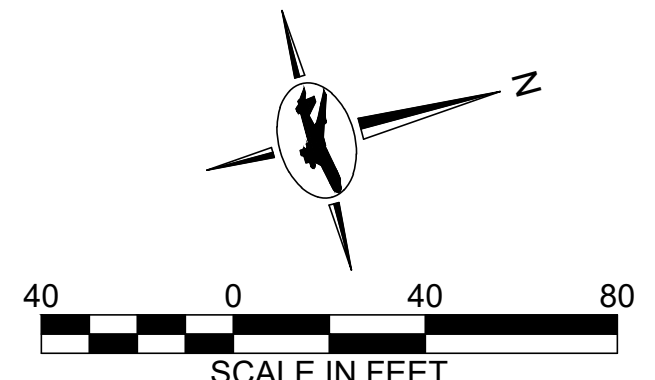
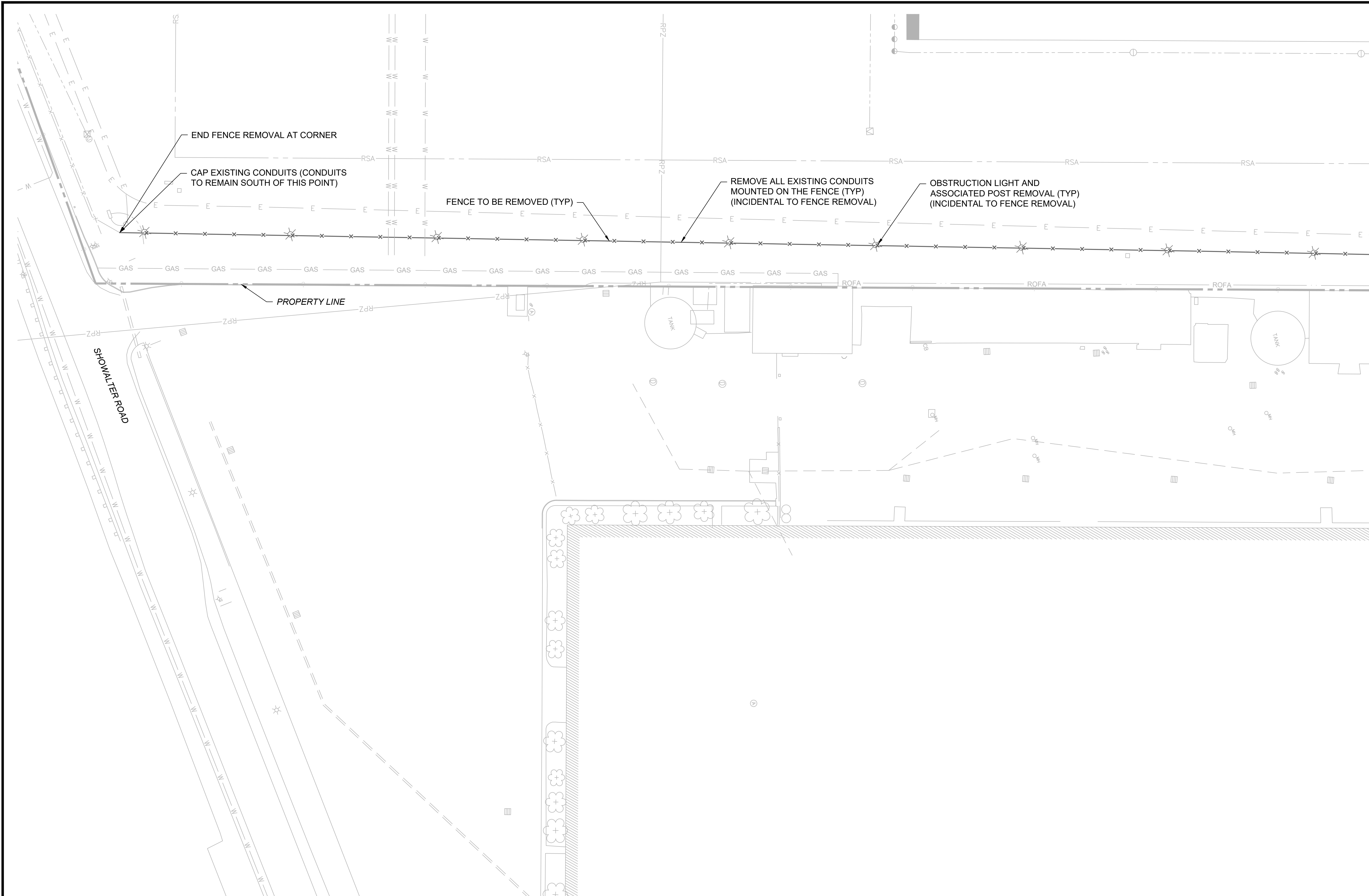
**PROJECT TITLE:** ARFF BUILDING DEMOLITION;  
AOA FENCE/ACCESS GATE REALIGNMENT

**SHEET TITLE:** EXISTING CONDITIONS AND  
DEMOLITION PLAN 1

**SCALE:** AS SHOWN      **DATE:** JUNE 2024

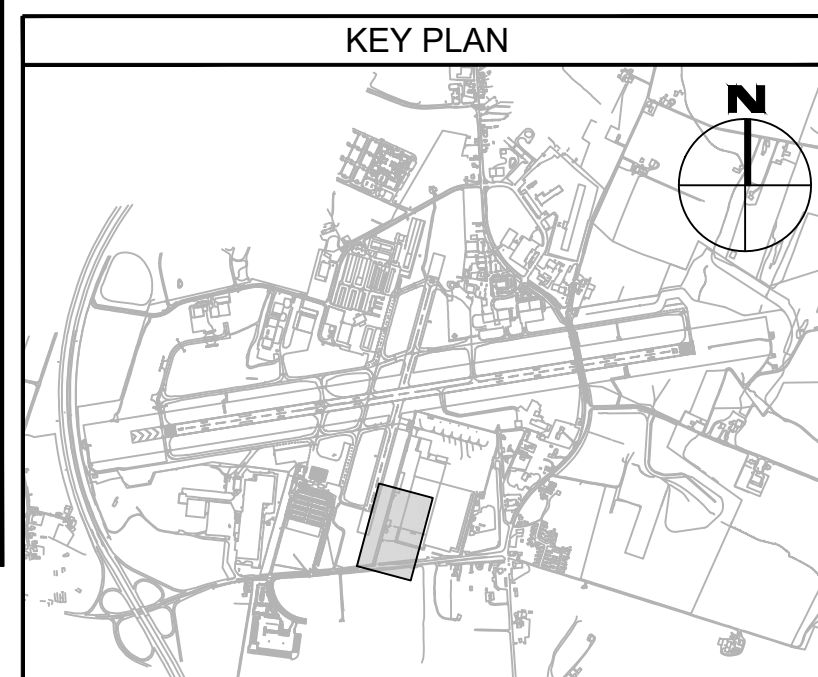
**FAA AIP No.:** 3-240019-071-2024  
**Bid No.:** PUR-1695

**SHEET NO.:** CD101  
13 OF 45



- NOTES:**
- ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
  - SEE SHEET GC101 FOR SURVEY CONTROL AND BASELINE PLAN.
  - THE REMOVAL OF THE EXISTING CONDUITS AND OBSTRUCTION LIGHTS MOUNTED ON THE EXISTING FENCE IS INCIDENTAL TO THE LINE ITEM FOR REMOVAL OF THE EXISTING FENCE. SIMILARLY, THE REMOVAL OF GROUNDING RODS AND WIRE IS INCIDENTAL TO THE REMOVAL OF THE EXISTING FENCE ITEM.
  - CONTRACTOR SHALL RETAIN ALL SIGNS ON THE FENCE WHICH IS TO BE DEMOLISHED AND PROVIDE THE SIGNS TO THE AIRPORT.
- MATCHLINE - SEE SHEET CD101

- LEGEND:**
- x- FENCE/GATE REMOVAL
  - 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
  - RSA RUNWAY SAFETY AREA
  - ROFA RUNWAY OBJECT FREE AREA



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: 02/21/2026

| DESIGNED: | REVISION NO. | REVISION DATE | DESCRIPTIONS |
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| B.J.D.    |              |               |              |
| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
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| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
 Washington County, MD

|                |  |
|----------------|--|
| PROJECT TITLE: | ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT |
| SHEET TITLE:   | EXISTING CONDITIONS AND<br>DEMOLITION PLAN 2                   |
| SCALE:         | AS SHOWN   |
| DATE:          | JUNE 2024  |

FAA AIP No.: 3-240019-071-2024  
 Bid No.: PUR-1695

SHEET NO.:  
**CD102**  
 14 OF 45



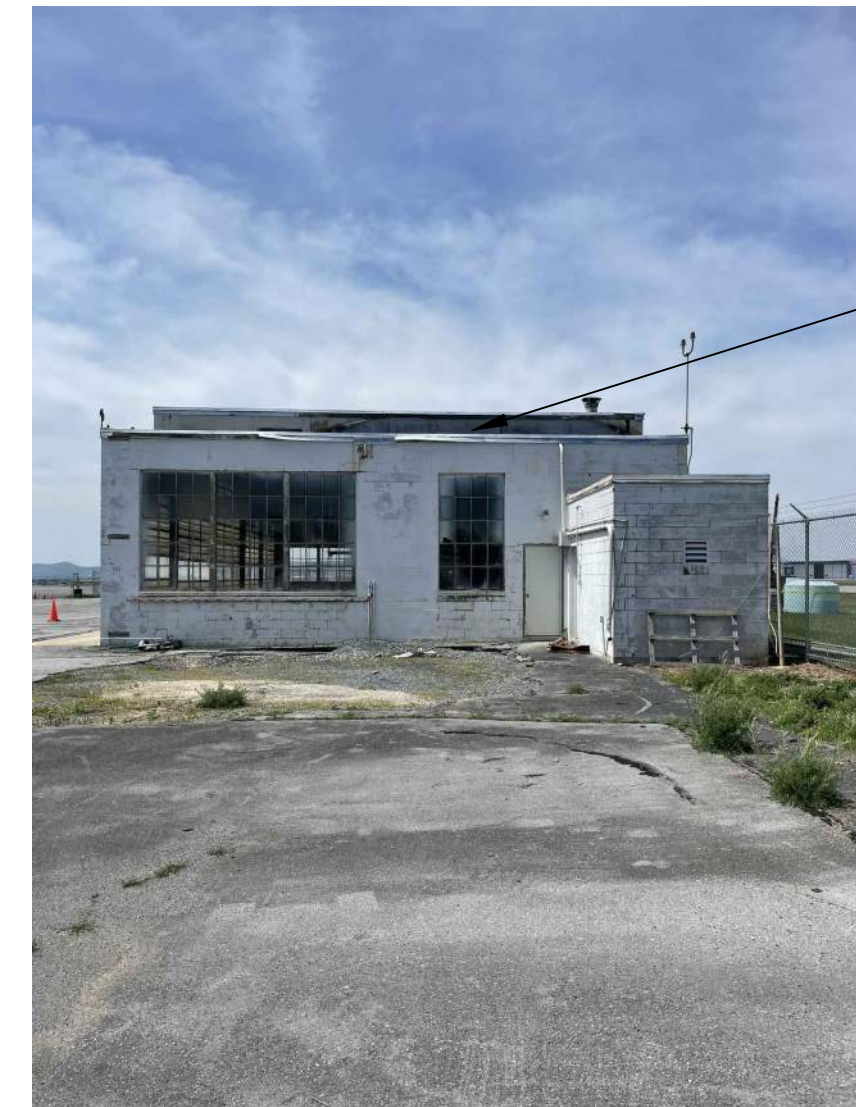
DEMOLISH ARFF BUILDING TO GROUND LEVEL

1 ARFF BUILDING (WEST SIDE)  
CD500 SCALE: NTS



DEMOLISH ARFF BUILDING TO GROUND LEVEL (CONCRETE SLAB TO REMAIN)

2 ARFF BUILDING (SOUTH SIDE)  
CD500 SCALE: NTS

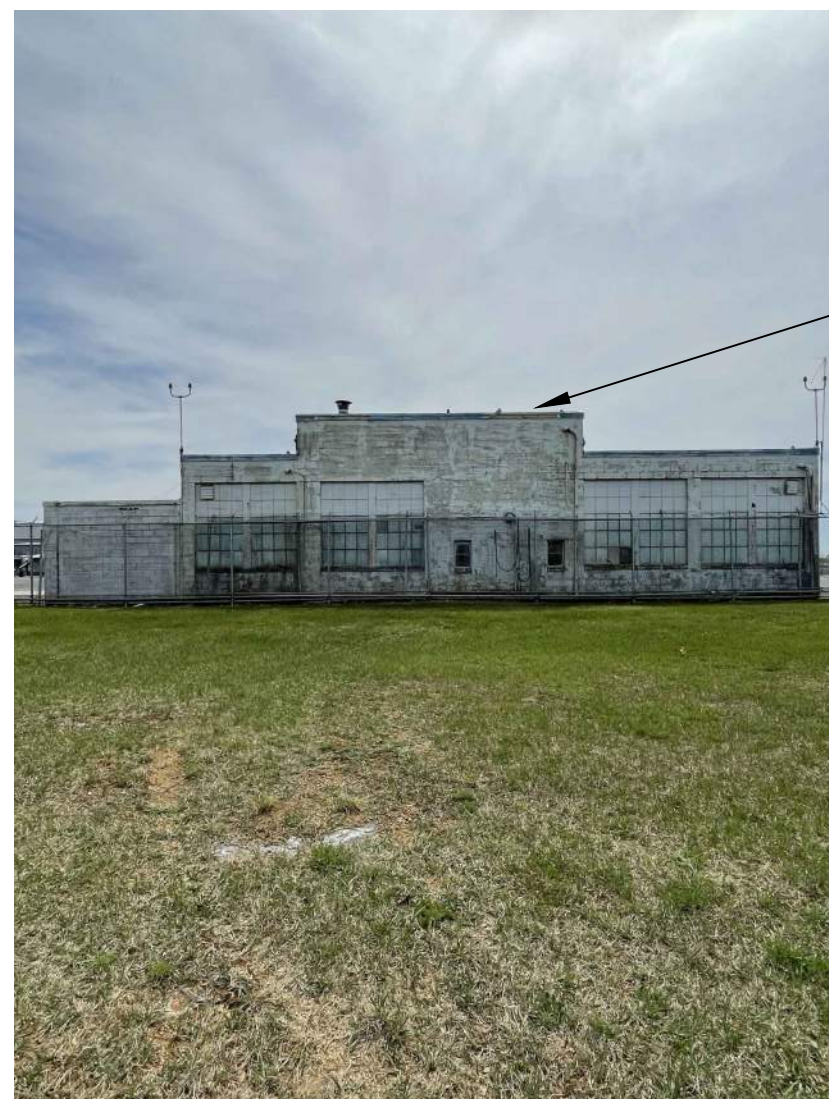


DEMOLISH ARFF BUILDING TO GROUND LEVEL

3 ARFF BUILDING (EAST SIDE)  
CD500 SCALE: NTS

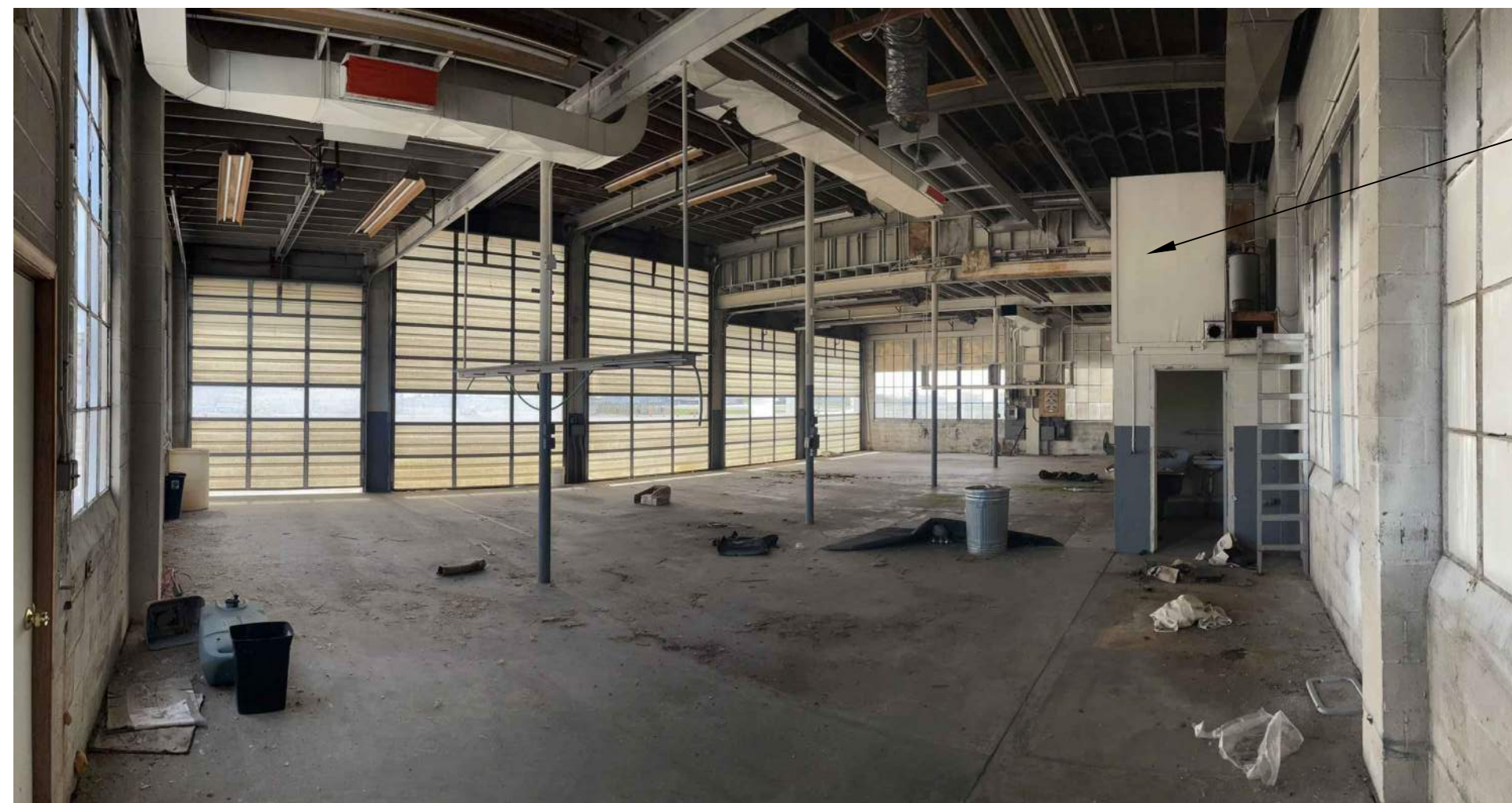
**DEMOLITION NOTES:**

- ONCE THE BUILDING HAS BEEN DEMOLISHED TO GROUND LEVEL, ANY VOIDS REMAINING SHALL BE FILLED WITH 4000 PSI CONCRETE. THIS INCLUDES ANY VOIDS ASSOCIATED WITH CONCRETE MASONRY UNITS.
- THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE ARFF BUILDING'S DEMOLITION OFFSITE IN A LAWFUL MANNER.



DEMOLISH ARFF BUILDING TO GROUND LEVEL

4 ARFF BUILDING (NORTH SIDE)  
CD500 SCALE: NTS



DEMOLISH ARFF BUILDING INTERIOR TO TO GROUND LEVEL. GRIND ALL CONDUITS AND COLUMNS FLUSH TO FLOOR

5 ARFF BUILDING INTERIOR  
CD500 SCALE: NTS



DEMOLISH PUMP GRIND ALL CONDUITS AND PIPES FLUSH TO FLOOR

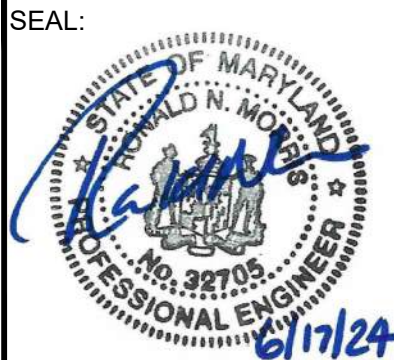
6 ARFF BUILDING FUEL PUMP  
CD500 SCALE: NTS

CONSULTANT:



AIRPORT DESIGN CONSULTANTS  
6031 UNIVERSITY BLVD, SUITE 330  
ELLCOTT CITY, MD 21043  
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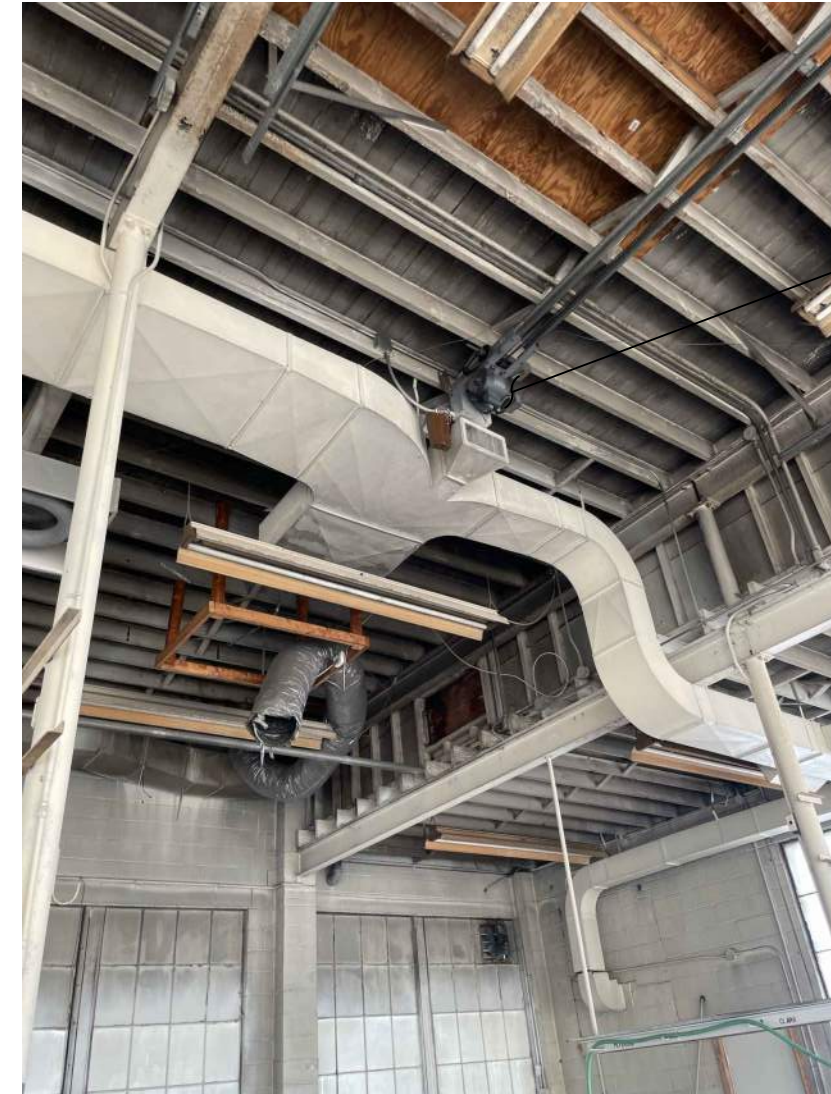
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| R.N.M.    |              |               |              |



**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

|                |  |
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| PROJECT TITLE: | ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT |
| SHEET TITLE:   | EXISTING CONDITIONS AND<br>DEMOLITION DETAILS 1                |
| SCALE:         | N.A.   |
| DATE:          | JUNE 2024  |

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| FAA AIP No.: 3-24-0019-071-2024<br>Bid No.: PUR-1695 |
| SHEET NO.:<br><b>CD500</b>                           |
| 15 OF 45   |



DEMOLISH ALL ROOF MOUNTED FIXTURES

**7** ARFF BUILDING DUCT WORK  
CD501 SCALE: NTS



DEMOLISH WALLS/WINDOWS TO GROUND LEVEL

**8** ARFF BUILDING INSIDE WALLS  
CD501 SCALE: NTS



DEMOLISH ALL FIXTURES

**9** ARFF BUILDING INSIDE WALLS  
CD501 SCALE: NTS



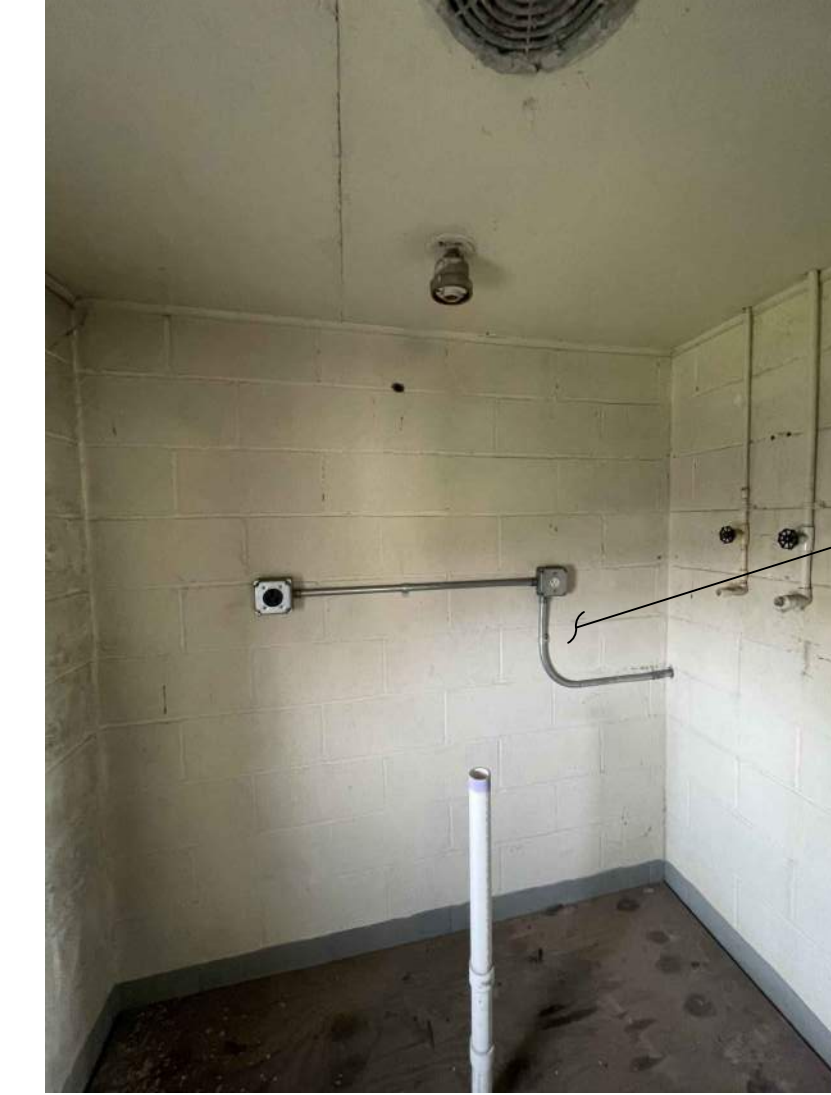
DEMOLISH ALL FIXTURES

**10** ARFF BUILDING RESTROOM  
CD501 SCALE: NTS



DISCONNECT ALL ELECTRICAL, DEMOLISH TO GROUND LEVEL, GRIND ALL CONDUITS FLUSH TO FLOOR

**11** ARFF BUILDING ELECTRIC  
CD501 SCALE: NTS



DEMOLISH ALL WALLS TO GROUND LEVEL

**12** ARFF BUILDING STORAGE ROOM  
CD501 SCALE: NTS

CONSULTANT:

**ADCI**  
AIRPORT DESIGN CONSULTANTS  
6031 UNIVERSITY BLVD, SUITE 330  
ELLCOTT CITY, MD 21043  
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FAX: 410.465.9602

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LICENSE NO. 32705  
EXPIRATION DATE: 02/21/2026

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| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

|                |  |
|----------------|--|
| PROJECT TITLE: | ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT |
| SHEET TITLE:   | EXISTING CONDITIONS AND<br>DEMOLITION DETAILS 2                |
| SCALE:         | N.A.   |
| DATE:          | JUNE 2024  |

FAA AIP No.: 3-24-0019-071-2024  
Bid No.: PUR-1695

SHEET NO.:  
**CD501**

16 OF 45





REMOVE OBSTRUCTION LIGHT AND POLE (TYP)  
REMOVE KEYPAD, BOLLARDS AND FOUNDATION

RETAIN ALL SIGNAGE AND PROVIDE TO AIRPORT (TYP)

REMOVE GATE

REMOVE METER AND ELECTRICAL RACK (TO BE REPLACED IN NEW LOCATION)

REMOVE LIGHT POLE, CAMERA, AND POLE FOUNDATION

REMOVE GATE OPERATOR

**13 GATE REMOVAL 1**

CD502 SCALE: NTS



REMOVE GATE OPERATOR

REMOVE BOLLARDS

REMOVE GATE

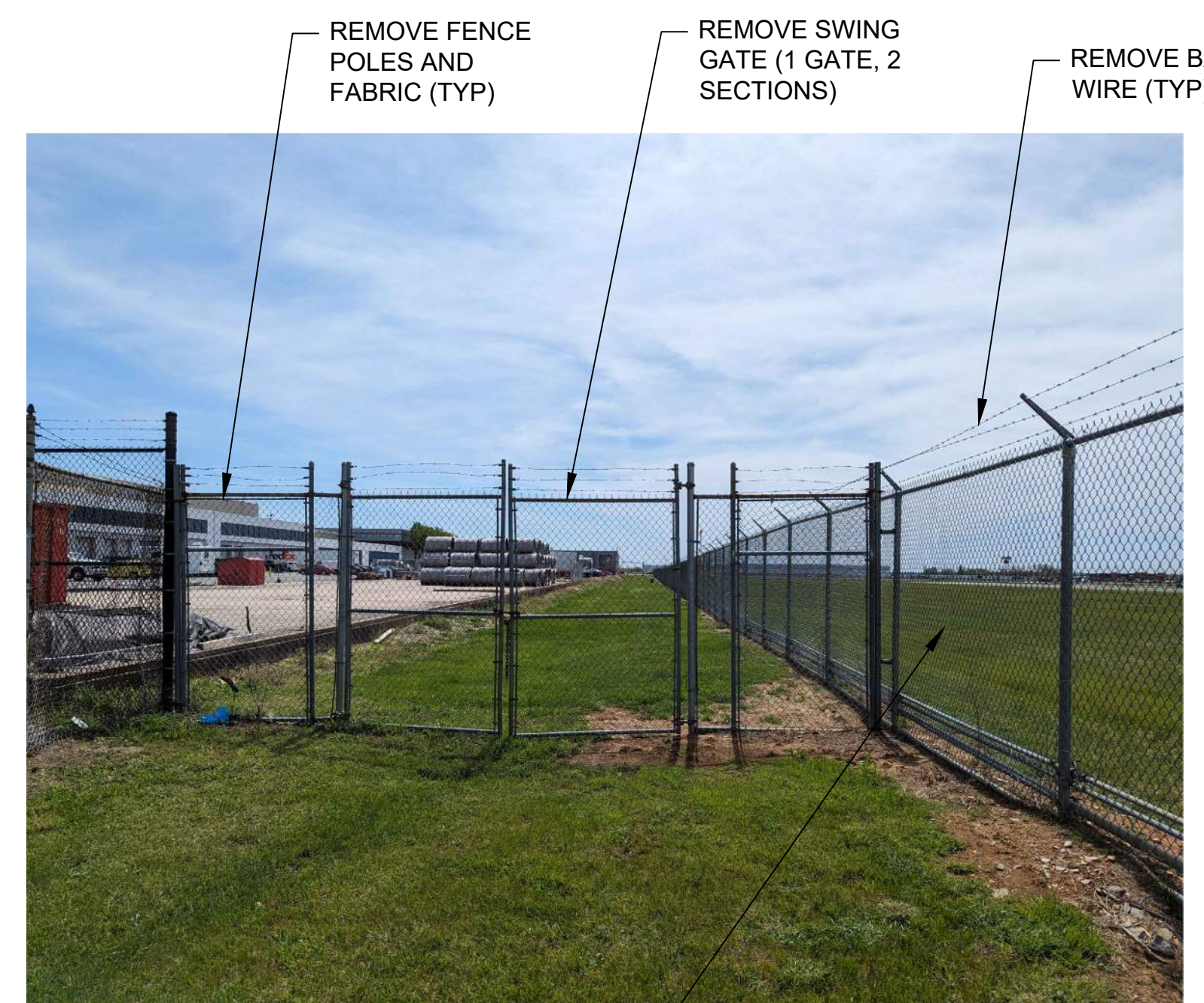
REMOVE LIGHT POLE, CAMERA, AND POLE FOUNDATION

REMOVE FENCE

GATE TRACKS AND ASSOCIATED CONCRETE TO REMAIN

**14 GATE REMOVAL 2**

CD502 SCALE: NTS



REMOVE FENCE POLES AND FABRIC (TYP)

REMOVE SWING GATE (1 GATE, 2 SECTIONS)

REMOVE BARBED WIRE (TYP)

REMOVE FENCE POLES AND FABRIC (TYP)

**15 GATE REMOVAL 3**

CD502 SCALE: NTS



REMOVE BARBED WIRE (TYP)

REMOVE OBSTRUCTION LIGHT AND POLE (TYP)

REMOVE FENCE POLES AND FABRIC (TYP)

REMOVE ELECTRICAL CONDUIT AND CABLE (TYP)

**16 FENCE REMOVAL 1**

CD502 SCALE: NTS



TRANSFORMER AND BASE TO BE REMOVED

**17 TRANSFORMER REMOVAL 1**

CD502 SCALE: NTS

CONSULTANT:

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

SEAL:

STATE OF MARYLAND  
R.N.M.  
PROFESSIONAL ENGINEER  
NO. 32705  
EXPIRATION DATE: 02/21/2026

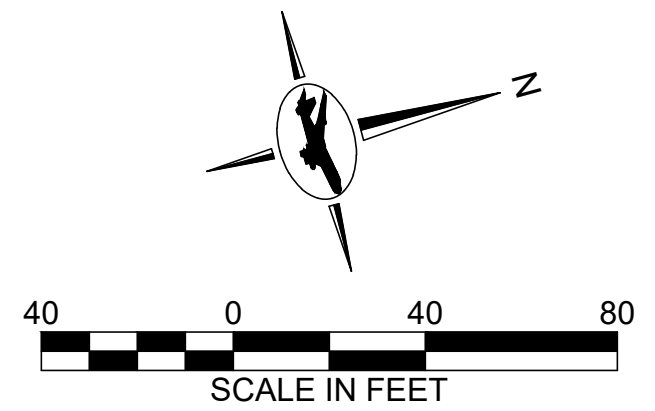
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| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

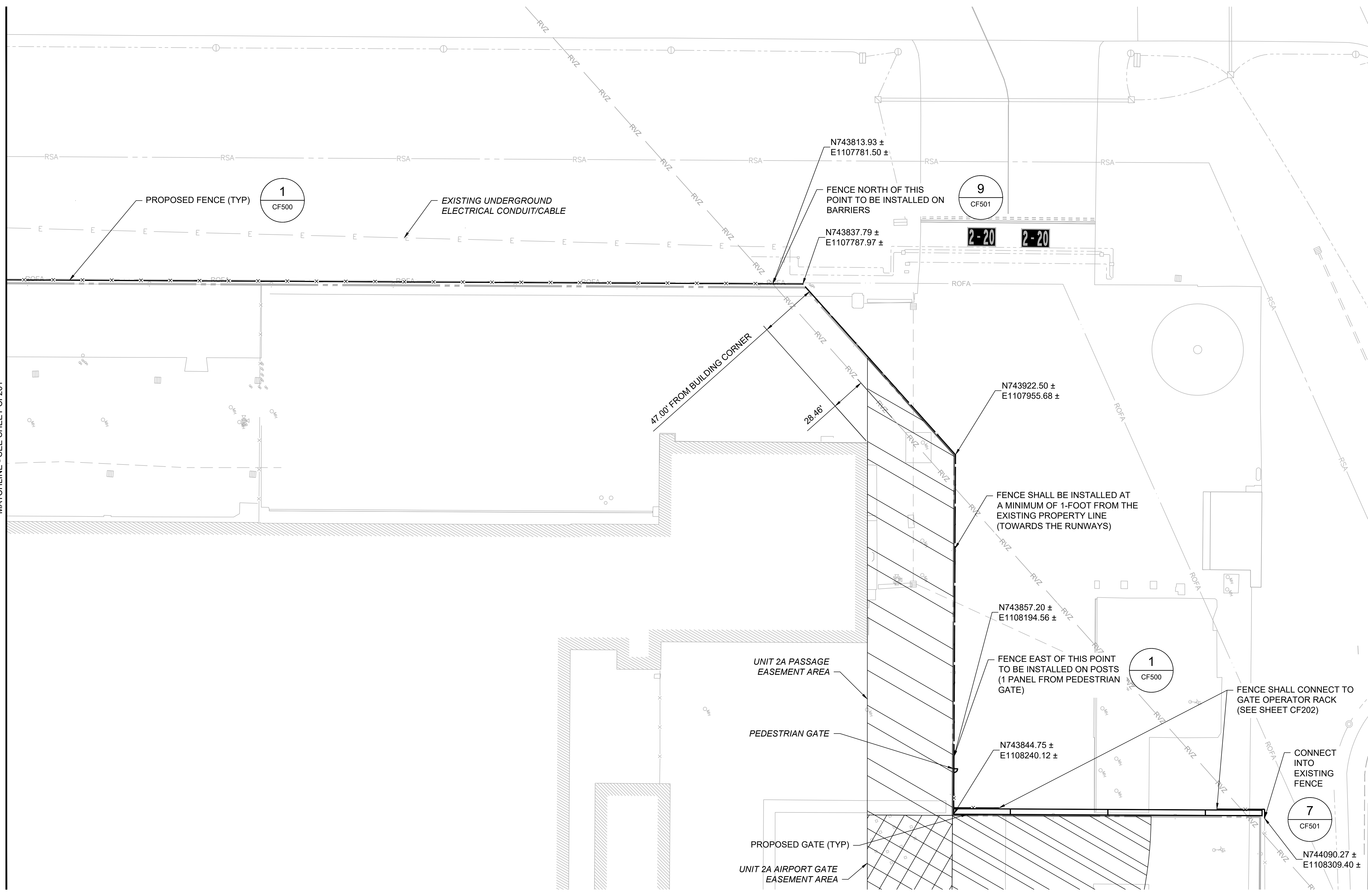
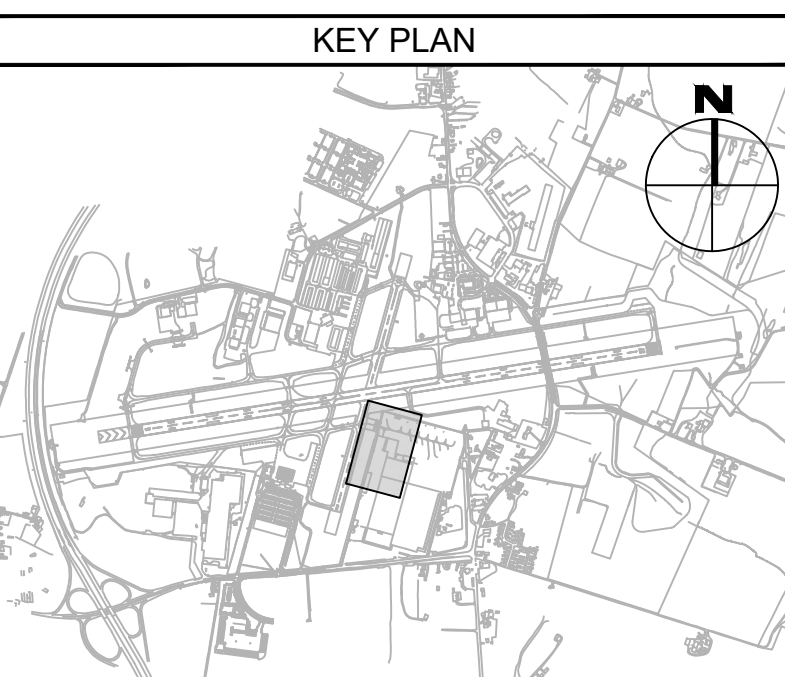
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| PROJECT TITLE: | ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT |
| SHEET TITLE:   | EXISTING CONDITIONS AND<br>DEMOLITION DETAILS 3                |
| SCALE:         | N.A.   |
| DATE:          | JUNE 2024  |

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| FAA AIP No.: 3-24-0019-071-2024<br>Bid No.: PUR-1695 |
| SHEET NO.:<br><b>CD502</b>                           |
| 17 OF 45   |



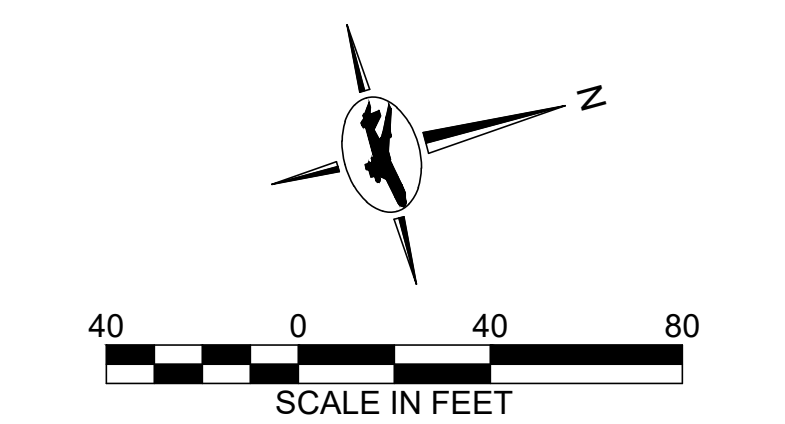
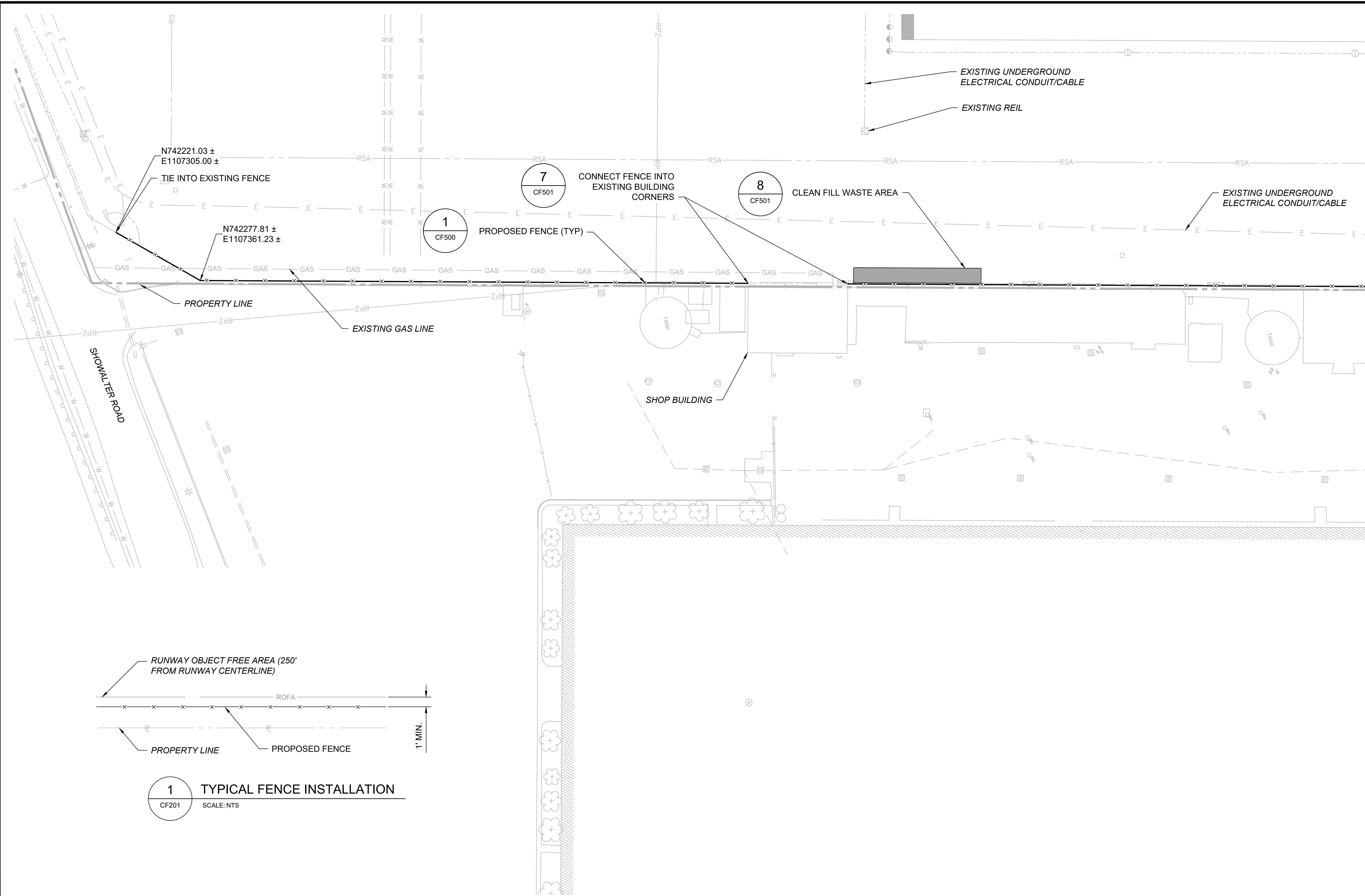
- NOTES:**
- ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
  - SEE SHEET GC101 FOR SURVEY CONTROL AND BASELINE PLAN.
  - SEE SHEETS CF202 FOR GATE PLAN.
  - SEE SHEET CF503 FOR PROPOSED SIGNS AND SPACING.
  - DO NOT DISTURB EXISTING SURVEY MARKERS ASSOCIATED WITH PROPERTY LINES NEAR THE PROPOSED FENCELINE/GATE.

- LEGEND:**
- PROPOSED FENCE
  - PROPOSED GATE
  - PROPOSED FENCE INSTALLED ON BARRIERS
  - EXISTING COMM MANHOLE
  - EXISTING ELECTRICAL MANHOLE
  - EXISTING ELECTRICAL HANDHOLE
  - EXISTING ELECTRICAL JUNCTION BOX
  - EXISTING ELEVATED RUNWAY EDGE LIGHT
  - EXISTING AIRFIELD GUIDANCE SIGN
  - EXISTING ELECTRICAL DUCTBANK
  - RUNWAY SAFETY AREA (RSA)
  - RUNWAY OBJECT FREE AREA (ROFA)
  - RUNWAY VISIBILITY ZONE (RVZ)



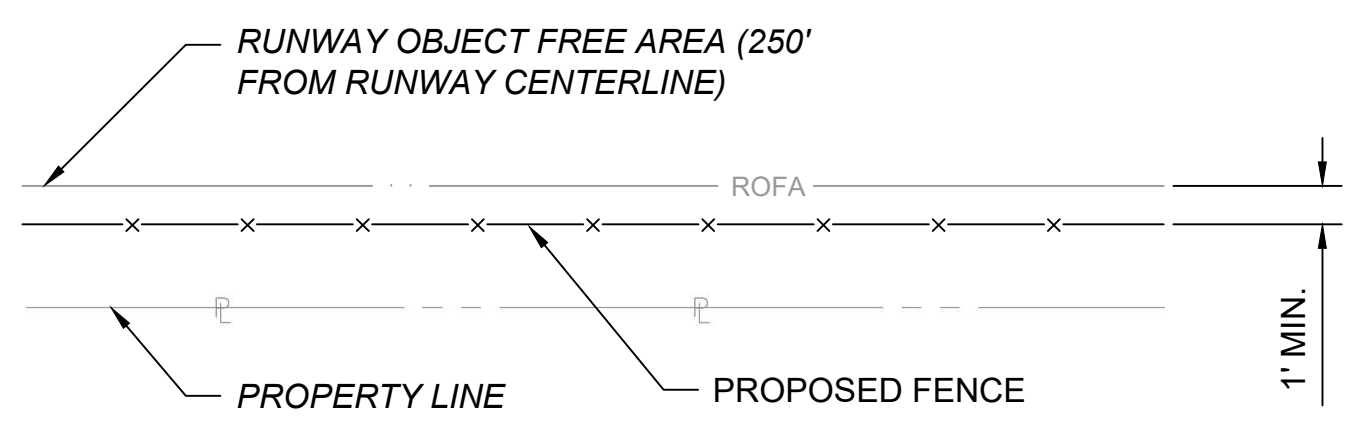
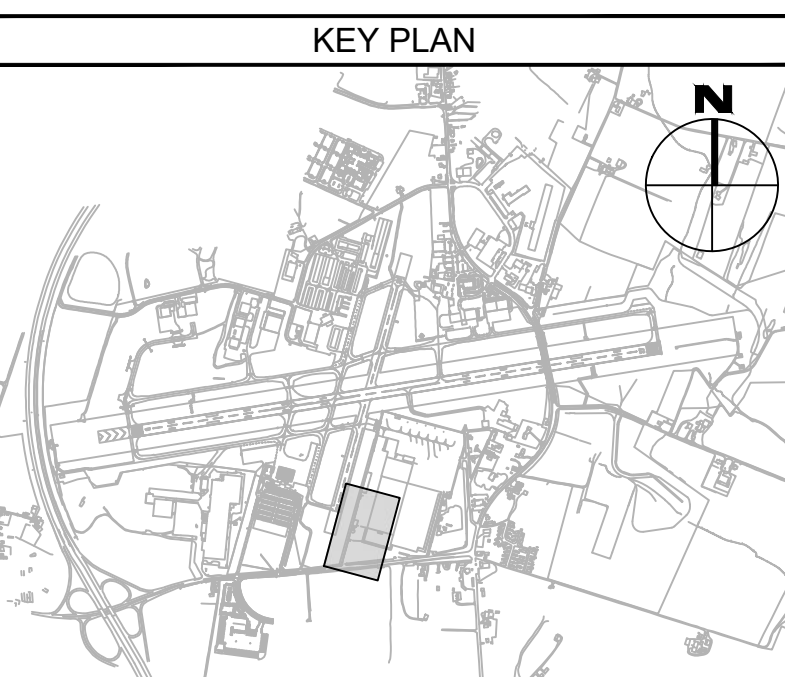
MATCHLINE - SEE SHEET CF201

|   |           |   |                  |              |               |              |   |  |                 |   |            |
|---|-----------|---|------------------|--------------|---------------|--------------|---|--|-----------------|---|------------|
| CONSULTANT:<br><br>AIRPORT DESIGN CONSULTANTS<br>6031 UNIVERSITY BLVD, SUITE 330<br>ELLICOTT CITY, MD 21043<br>TEL: 410.465.9600<br>FAX: 410.465.9602 | SEAL:<br> | PROFESSIONAL CERTIFICATION:<br>"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"<br>LICENSE NO. 32705<br>EXPIRATION DATE: 02/21/2026 | DESIGNED:        | REVISION NO. | REVISION DATE | DESCRIPTIONS | <b>HAGERSTOWN REGIONAL AIRPORT</b><br>Washington County, MD | PROJECT TITLE:<br>ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT |                 | FAA AIP No.: 3-240019-071-2024<br>Bid No.: PUR-1695 |            |
|   |           |   | DRAWN:<br>J.A.A. |              |               |              |   | SHEET TITLE:<br>FENCING PLAN 1   |                 |   | SHEET NO.: |
|   |           |   |                  |              |               |              | SCALE: AS SHOWN   |  | DATE: JUNE 2024 |   | CF200      |
|   |           |   |                  |              |               |              |   |  |                 |   | 18 OF 45   |



- NOTES:**
1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
  2. SEE SHEET GC101 FOR SURVEY CONTROL AND BASELINE PLAN.
  3. SEE SHEETS CF202 FOR GATE PLAN.
  4. SEE SHEET CF503 FOR PROPOSED SIGNS AND SPACING.
  5. DO NOT DISTURB EXISTING SURVEY MARKERS ASSOCIATED WITH PROPERTY LINES NEAR THE PROPOSED FENCELINE/GATE.

- LEGEND:**
- x— PROPOSED FENCE
  - █ PROPOSED CLEAN FILL WASTE AREA
  - EXISTING COMM MANHOLE
  - ⊕ EXISTING ELECTRICAL MANHOLE
  - ⊠ EXISTING ELECTRICAL HANDHOLE
  - ⊞ EXISTING ELECTRICAL JUNCTION BOX
  - ⊙ EXISTING ELEVATED RUNWAY EDGE LIGHT
  - ⊞ EXISTING AIRFIELD GUIDANCE SIGN
  - — — EXISTING ELECTRICAL DUCTBANK
  - RSA — RUNWAY SAFETY AREA
  - ROFA — RUNWAY OBJECT FREE AREA
  - RPZ — RUNWAY PROTECTION ZONE



**1 TYPICAL FENCE INSTALLATION**  
CF201 SCALE: NTS

MATCHLINE - SEE SHEET CF200

**CONSULTANT:**

**AIRCRAFT DESIGN CONSULTANTS**  
6031 UNIVERSITY BLVD, SUITE 330  
ELLICOTT CITY, MD 21043  
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**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

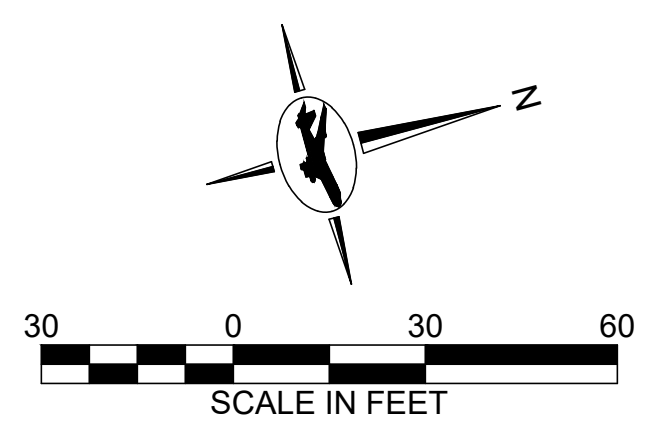
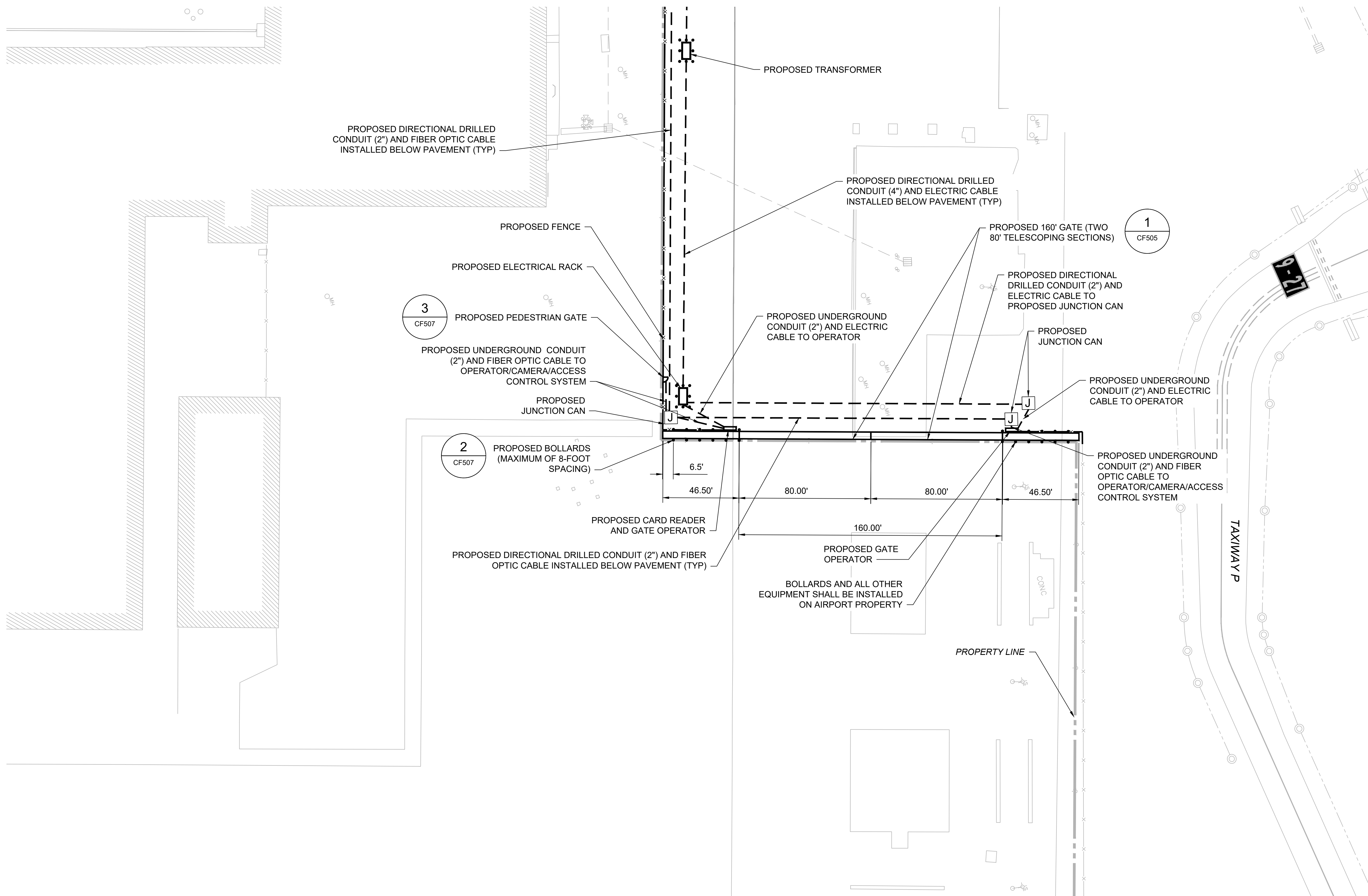
**PROJECT TITLE:** ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT

**SHEET TITLE:** FENCING PLAN 2

**SCALE:** AS SHOWN      **DATE:** JUNE 2024

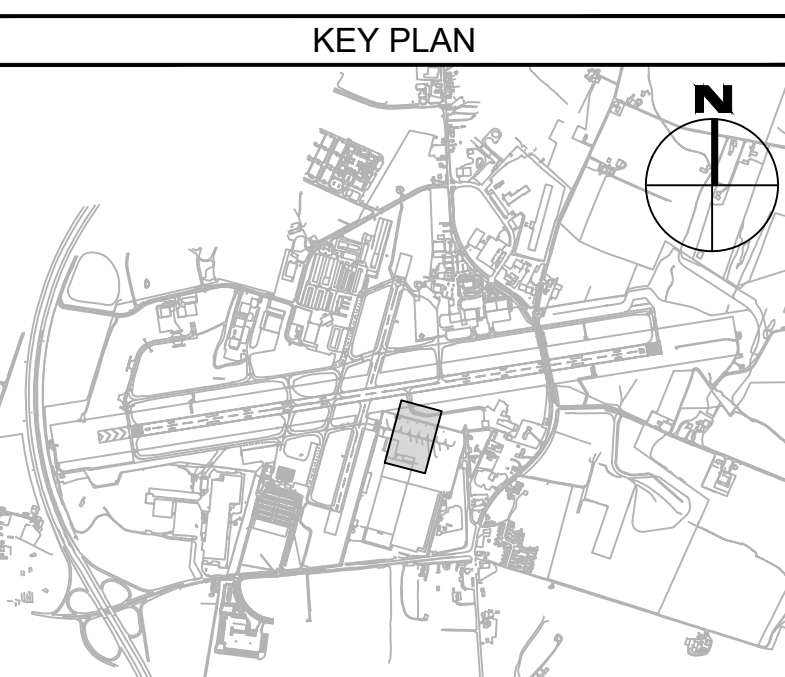
**FAA AIP No.:** 3-240019-071-2024  
**Bid No.:** PUR-1695

**SHEET NO.:** CF201  
19 OF 45



- NOTES:**
1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
  2. SEE SHEET GC101 FOR SURVEY CONTROL AND BASELINE PLAN.
  3. SEE SHEETS CF200 FOR FENCING PLAN 1.
  4. "GATE 170" SIGNS SHALL BE PLACED ON BOTH SIDES OF THE TELESCOPING GATE. "GATE 170A" SIGNS SHALL BE PLACED ON BOTH SIDES OF THE PEDESTRIAN GATE. SEE SHEET CF503 FOR SIGN DETAILS.
  5. TRANSITIONAL MILLING AND PAVING WILL BE REQUIRED TO TIE TELESCOPING GATE CONCRETE FOUNDATION INTO EXISTING PAVEMENT.
  6. PROVIDE AN ELECTRIC GATE LOCK WITH KEYSWITCH AND FAILSAFE CAPABILITIES (SDC GATELOK GL 263AH OR APPROVED EQUAL) INCLUDING ALL REQUIRED COMPONENTS FOR THE PEDESTRIAN GATE.

- LEGEND:**
- x— PROPOSED FENCE
  - ▭ PROPOSED GATE
  - PROPOSED BOLLARD
  - PROPOSED DIRECTIONAL DRILLED CONDUIT
  - 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



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| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

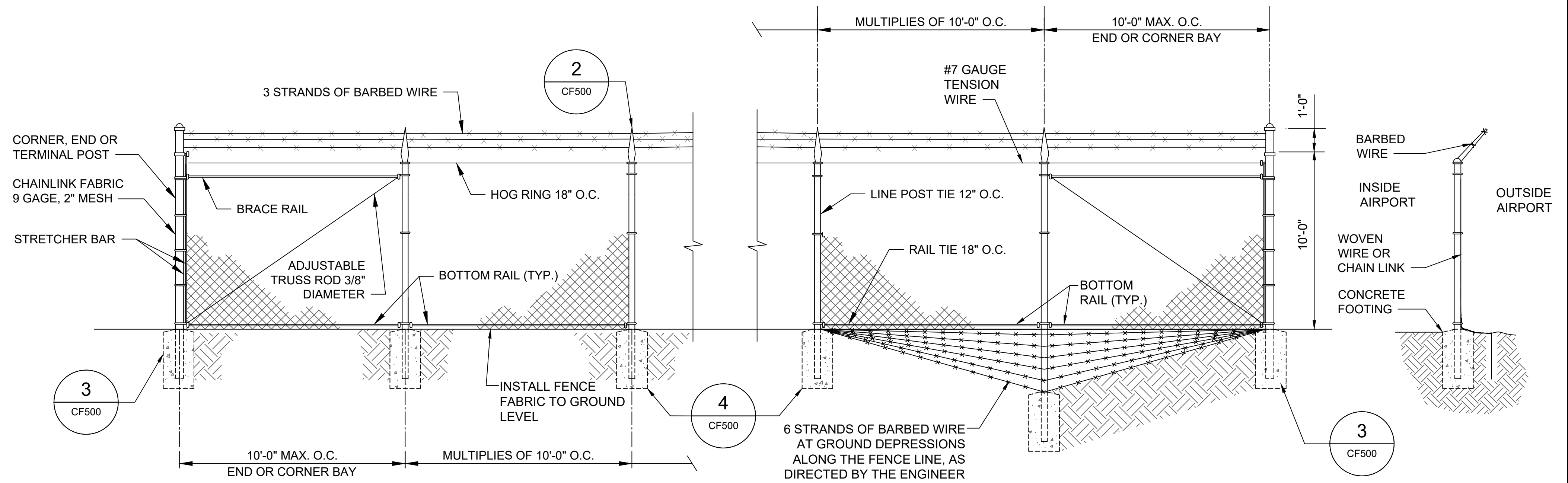
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| PROJECT TITLE: | ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT |
| SHEET TITLE:   | GATE PLAN  |
| SCALE:         | AS SHOWN   |
| DATE:          | JUNE 2024  |

FAA AIP No.: 3-240019-071-2024  
Bid No.: PUR-1695

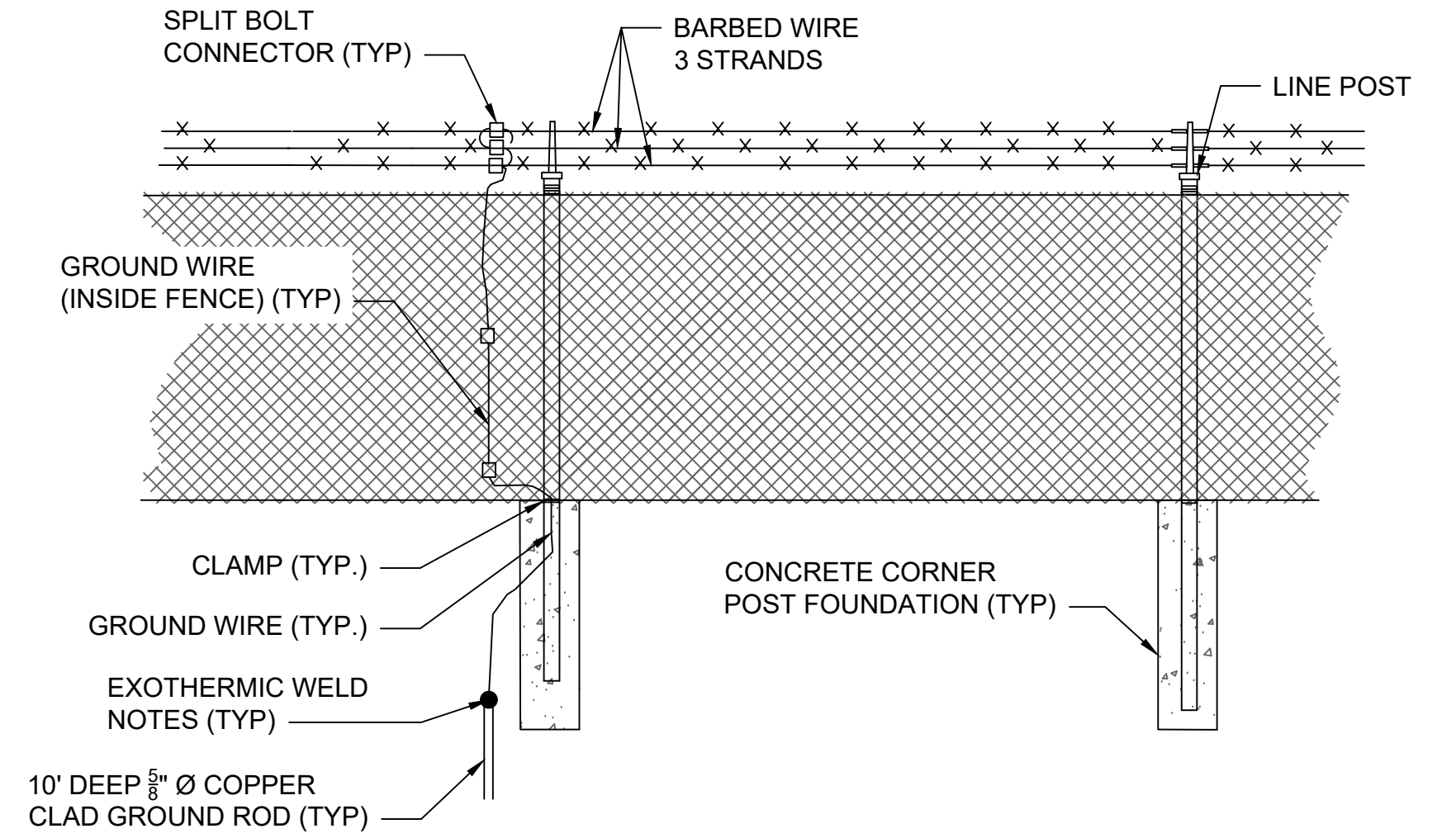
SHEET NO.:  
**CF202**  
20 OF 45

**FENCE NOTES:**

- AIRPORT AOA WARNING SIGNS SHALL BE INSTALLED AT ≈200 FOOT INTERVALS MINIMUM ALONG THE NEW FENCE LINE, SEE DETAIL ON SHEET CF503.
- ALL DIMENSIONS, SIZES, GAUGES, WEIGHTS, THICKNESS SHOWN ARE THE MINIMUM ACCEPTABLE, UNLESS OTHERWISE INDICATED.
- THE FEDERAL SPECIFICATIONS SHOWN SHALL BE INTERPRETED TO MEAN THE LATEST ISSUE OR AMENDMENT OF SUCH SPECIFICATIONS, IN EFFECT OF THE DATE OF BIDDING.
- FAA SPECIFICATIONS SHOWN ARE FROM THE FEDERAL AVIATION ADMINISTRATION(FAA) STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS.
- MATERIALS AND CONSTRUCTION METHODS NOT DETAILED HEREIN, SHALL BE IN ACCORDANCE WITH THE FAA SPECIFICATION LISTED, UNLESS OTHERWISE NOTED ON CONTRACT PLANS.
- FENCE ARE MEASURED IN PLACE, FROM OUTSIDE TO OUTSIDE OF END CORNER OR GATE POSTS. MEASUREMENT DOES NOT INCLUDE GATE OPENINGS.
- FABRIC ON BOUNDARY AND SECURITY FENCE SHALL BE ON THE SIDE OF POSTS AWAY FROM AIRPORT PROPERTY. CHAIN LINK FABRIC SHALL BE 9 GAUGE WIRE WITH A 2" MESH AND SHALL MEET THE REQUIREMENTS OF ASTM A392, CLASS 2. SELVEGE SHALL BE TWISTED AND BARBED. BOTTOM SELVEGE SHALL BE TWISTED AND KNUCKLED.
- BARB WIRE SHALL BE ZINC COATED, MEETING ASTM A121, CLASS 3, OR ALUMINUM COATED MEETING ASTM A585, CLASS 2, AS APPROPRIATE. WIRE SHALL BE TWO STRANDED TWISTED NO. 12-1/2 ASW GAUGE STEEL, WITH FOUR POINT BARBS, NO 14 ASW GAUGE MINIMUM, 1/2 MINIMUM LENGTH, SPACED ON APPROXIMATELY 5' CENTERS. 3 STRANDS OF BARB WIRE SHALL BE STRUNG ALONG THE TOP OF FENCE ON AN INCLINED BARB WIRE ARM. THE BARBED WIRE ARM SHALL HAVE A 45° INCLINATION AWAY FROM THE SECURE SIDE.
- END POSTS SHALL INCLUDE STRETCHER BARS, CLAMPS, BRACES AND TRUSS RODS.
- ALL DEPRESSIONS GREATER THAN 3" AND LESS THAN 1' SHALL BE FILLED WITH ROCKS OR COMPACTED EARTH TO PREVENT ANIMALS FROM GOING UNDER THE FENCE. FENCE TREATMENT AT GROUND DEPRESSIONS GREATER THAN OR EQUAL TO 1 FOOT SHALL BE CLOSED WITH ONE OR MORE ADDITIONAL LINE POST NEAR THE OPENING CENTER WITH ADDITIONAL FENCE FABRIC STRECHED BETWEEN POST. SEE DETAIL ON SHEET CF502. THIS WORK SHALL BE INCIDENTAL TO THE FENCE INSTALLATION COST.
- THE FENCE SHALL BE CONSTRUCTED VERTICAL, STRAIGHT, AND TRUE OF LINE, THE LONGITUDINAL GRADIENT SHALL PARALLEL THE GENERAL SLOPE OF THE GROUND.
- CONCRETE FOOTINGS SHALL MEET STRENGTH REQUIREMENTS OUTLINED IN SPECIFICATION F-162. FOOTING TOPS SHALL BE 1" MINIMUM ABOVE GROUND AT POST, AND TROWEL FINISHED TO SLOPE AWAY FROM POST. ALL END POSTS, CORNER POSTS, PULL POSTS, AND GATE POSTS SHALL HAVE A 18" X 5'-6" DEEP(MIN.) FOUNDATION. LINE POSTS SHALL HAVE A 12" X 3'-6" DEEP (MIN.) FOUNDATION.
- PLACE PULL POSTS AT ANGLE POINTS IN A VERTICAL ALIGNMENT, AT A MAX OF 500 FOOT INTERVALS BETWEEN END AND/OR CORNER POST IN LEVEL TERRAIN, OR AS DIRECTED BY THE RPR.
- THE MATERIALS SHALL MEET THE REQUIREMENTS, AND THE FENCE SHALL BE INSTALLED IN ACCORDANCE WITH F-162 OF THE DETAILED SPECIFICATIONS.
- THE CONTRACTOR SHALL VERIFY THE AMOUNT OF POST, FENCE, ETC. BEFORE ANY MATERIAL IS ORDERED OR CONSTRUCTION WORK CAN BEGIN.
- PUT FASTENERS AT 12" CENTER TO CENTER STAGGERED ON EACH EDGE OF FABRIC ALONG THE JOINT.
- CONTRACTOR SHALL PROVIDE A PADLOCK TO TEMPORARILY LOCK VEHICLE OR MAN GATES UNTIL THE ACCESS CONTROLS CAN BE INSTALLED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCK THE GATE AT THE END OF EACH SHIFT.
- INCLUDE LATCHES TO HOLD ALL VEHICLE GATES OPEN WHEN IN USE.
- PLACE TOP CAPS ON ALL NEW FENCE POSTS.
- MODIFICATIONS TO THESE PLANS MAY BE MADE AT THE TIME OF INSTALLATION. MINOR MODIFICATIONS MAY INCLUDE DEVIATIONS IN THE FENCE AND GATE LOCATIONS.
- THE CONTRACTOR SHALL PEEN ALL BOLTS TO ELIMINATE THE REMOVAL OF THE BOLT NUT.
- THE CONTRACTOR SHALL SEAL THE CONCRETE/ASPHALT JOINT FOR ALL NEW POST FOUNDATIONS LOCATED IN EXISTING PAVEMENT. THIS IS INCIDENTAL TO THE FENCE INSTALLATION COST.

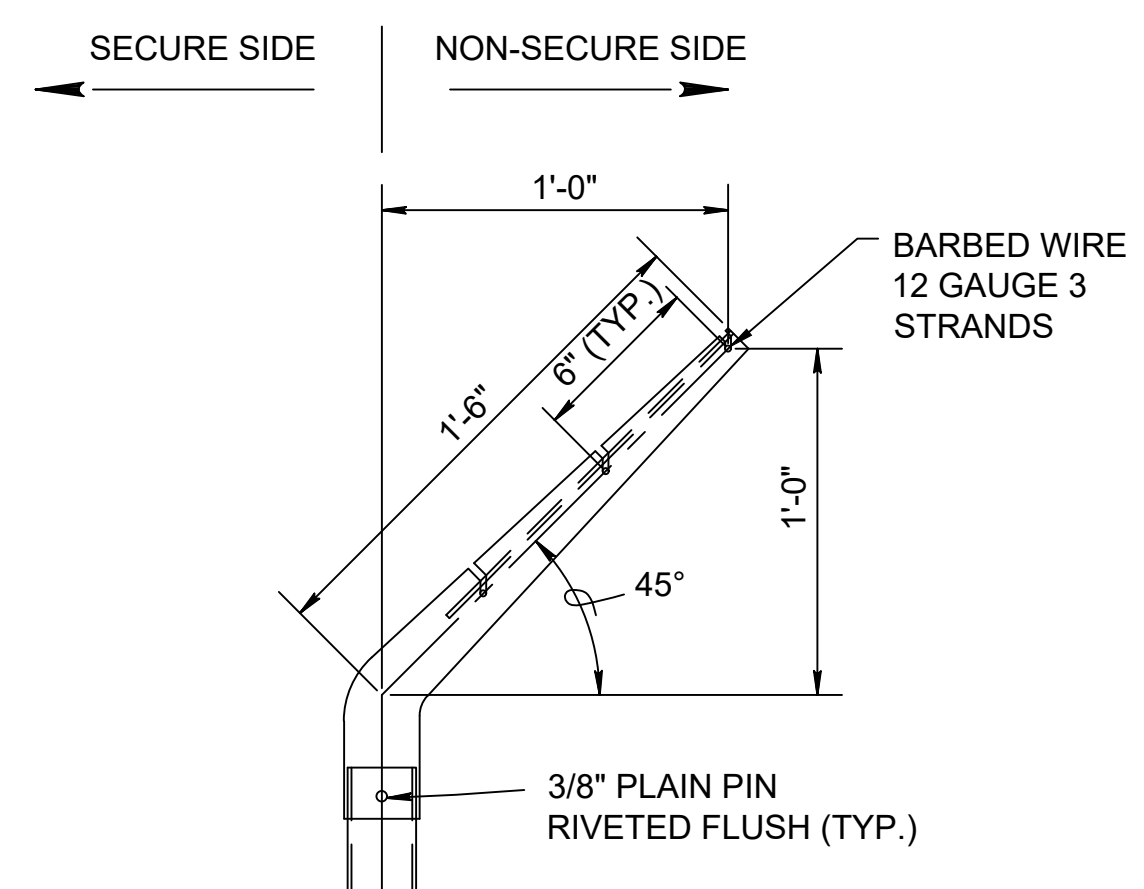


**1 PERMANENT AOA FENCE**  
CF500 SCALE: NTS

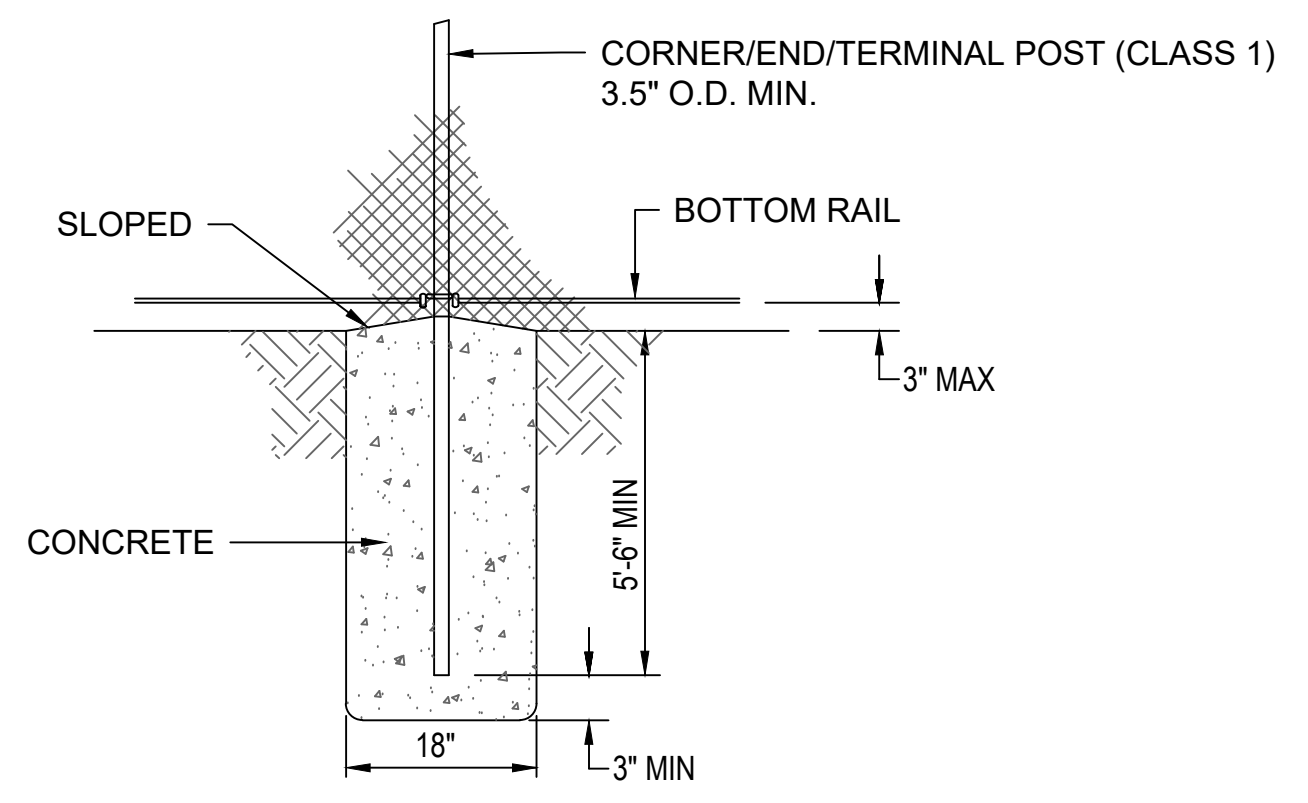


- GROUNDING NOTES:**
- GROUND ALL END POSTS, CORNER POSTS, PULL POSTS, AND GATE POSTS AS SHOWN IN THE GROUNDING ROD DETAIL. PLACE GROUND RODS AT LEAST EVERY 500 FEET ALONG THE FENCE LINE.
  - IMPEDANCE TO GROUND OF EACH GROUND ROD SHALL NOT EXCEED 25 OHMS PRIOR TO ESTABLISHING CONNECTION TO OTHER GROUND ROD ELECTRODES. THE FALL-OF-POTENTIAL GROUND IMPEDANCE TEST SHALL BE USED, S DESCRIBED IN THE ANSI/IEEE STANDARD 81 TO VERIFY THIS REQUIREMENT.
  - ALL UNDERGROUND FENCE GROUNDING CONNECTIONS SHALL BE EXOTHERMIC. ALL ABOVE GROUND CONNECTIONS SHALL BE MECHANICAL.
  - A GROUND ROD SHALL BE INSTALLED AT SPACING'S NO GREATER THAN 500 FEET, AND BONDED (MECHANICAL CLAMP) TO A FENCE POST WITH A #6 AWG SOLID COPPER CONDUCTOR.
  - INSTALL A BONDING STRAP FROM ANY GATE TO THE ADJACENT POST USING MECHANICAL CONNECTIONS. THE BONDING STRAP SHALL BE A 1 INCH BY 1/8 INCH FLEXIBLE TINNED COPPER BOND STRAP AND SHALL NOT RESTRICT THE FULL MOTION OF THE GATE.
  - CLAMP #6 AWG SOLID BARE COPPER CONDUCTOR FROM THE POSTS AT EACH SIDE OF THE GATE TO GROUND RODS INSTALLED AT EACH SIDE OF THE GATE. CONNECT THE CONDUCTOR TO THE GATEPOSTS AT A HEIGHT NO GREATER THAN ONE FOOT ABOVE GRADE.

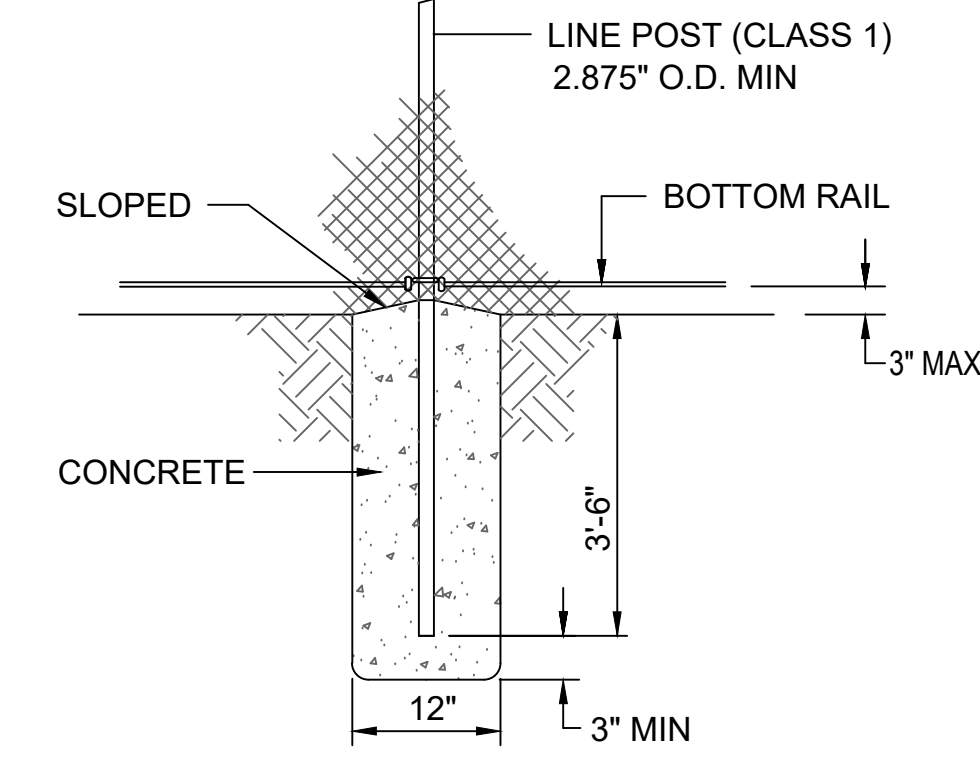
**5 FENCE GROUNDING**  
CF500 SCALE: NTS



**2 FENCE TOP DETAIL**  
CF500 SCALE: NTS



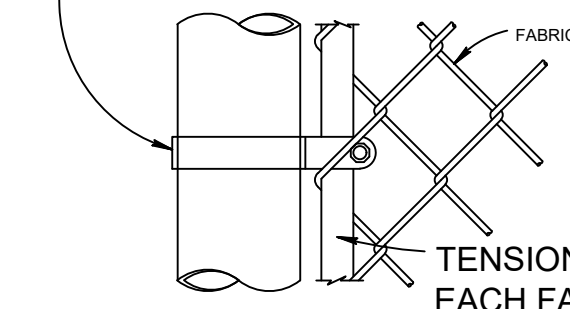
**3 TYPICAL CORNER END TERMINAL POST**  
CF500 SCALE: NTS



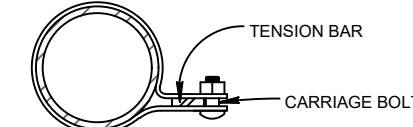
**4 TYPICAL LINE POST**  
CF500 SCALE: NTS

|  |  |                         |                        |                         |                     |   |   |                                       |
|--|--|-------------------------|------------------------|-------------------------|---------------------|---|---|---------------------------------------|
| <p>CONSULTANT:</p> <p><b>ADCI</b><br/>AIRPORT DESIGN CONSULTANTS<br/>6031 UNIVERSITY BLVD, SUITE 330<br/>ELLICOTT CITY, MD 21043<br/>TEL: 410.465.9600<br/>FAX: 410.465.9602</p> | <p>SEAL:</p> <p>PROFESSIONAL CERTIFICATION:<br/>"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"<br/>LICENSE NO. 32705<br/>EXPIRATION DATE: 02/21/2026</p> | <p>DESIGNED: B.J.D.</p> | <p>REVISION NO.</p>    | <p>REVISION DATE</p>    | <p>DESCRIPTIONS</p> | <p>PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT</p> | <p>FAA AIP No.: 3-240019-071-2024<br/>Bid No.: PUR-1695</p> |                                       |
|  |  | <p>DRAWN: J.A.A.</p>    | <p>CHECKED: V.J.D.</p> | <p>APPROVED: R.N.M.</p> |                     |   |   | <p>SHEET TITLE: FENCING DETAILS 1</p> |
| <p>FILE NAME: O:\HGR\Projects\2023-1307 ARFF Demo-Fence\CAD\SHEETS\0021_Cf500_5_FENCING DETAILS.dwg LAYOUT NAME: CF500 USER: jarden PLOTTED: Friday, June 14, 2024 - 5:16pm</p>  |  |                         |                        |                         |                     | <p>SCALE: N.A.</p>  | <p>DATE: JUNE 2024</p>                                      | <p>21 OF 45</p>                       |

TENSION BAND (12" O.C. MAX. AND WITHIN 4" FROM TOP AND BOTTOM OF FABRIC)

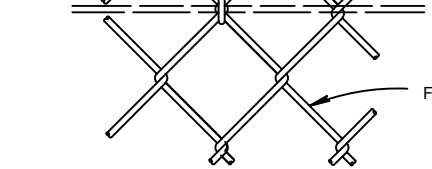


TENSION BAR TO ENGAGE EACH FABRIC LINK

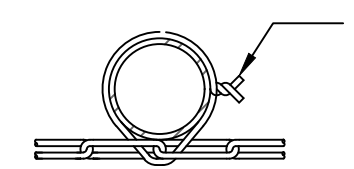


END OR GATE POST ATTACHMENT

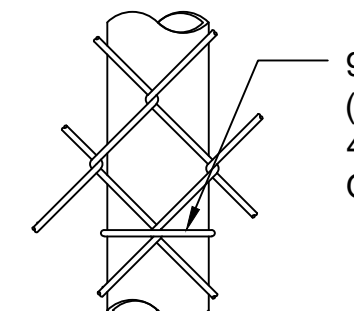
9-GAGE STEEL TIE WIRES (18" O.C. MAX.)



TENSION WIRE ATTACHMENT

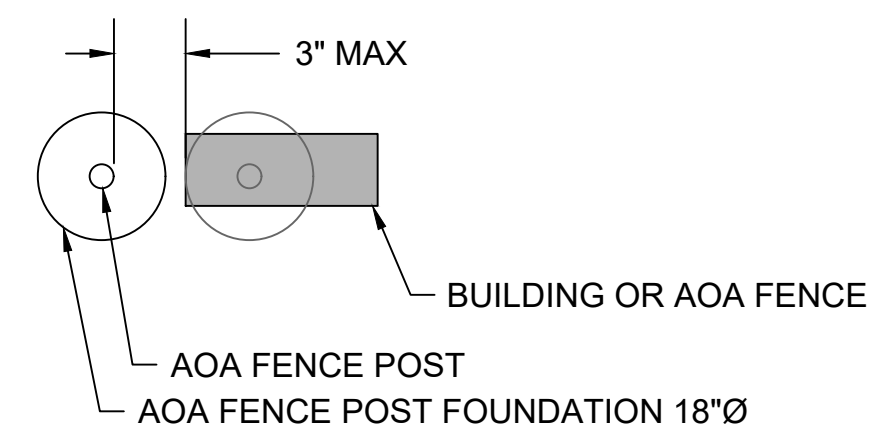


BOTTOM TIE WIRE SHALL BE MOUNTED SO THAT TIE WIRE TWIST DOES NOT INTERFERE WITH MAINTENANCE OPERATIONS



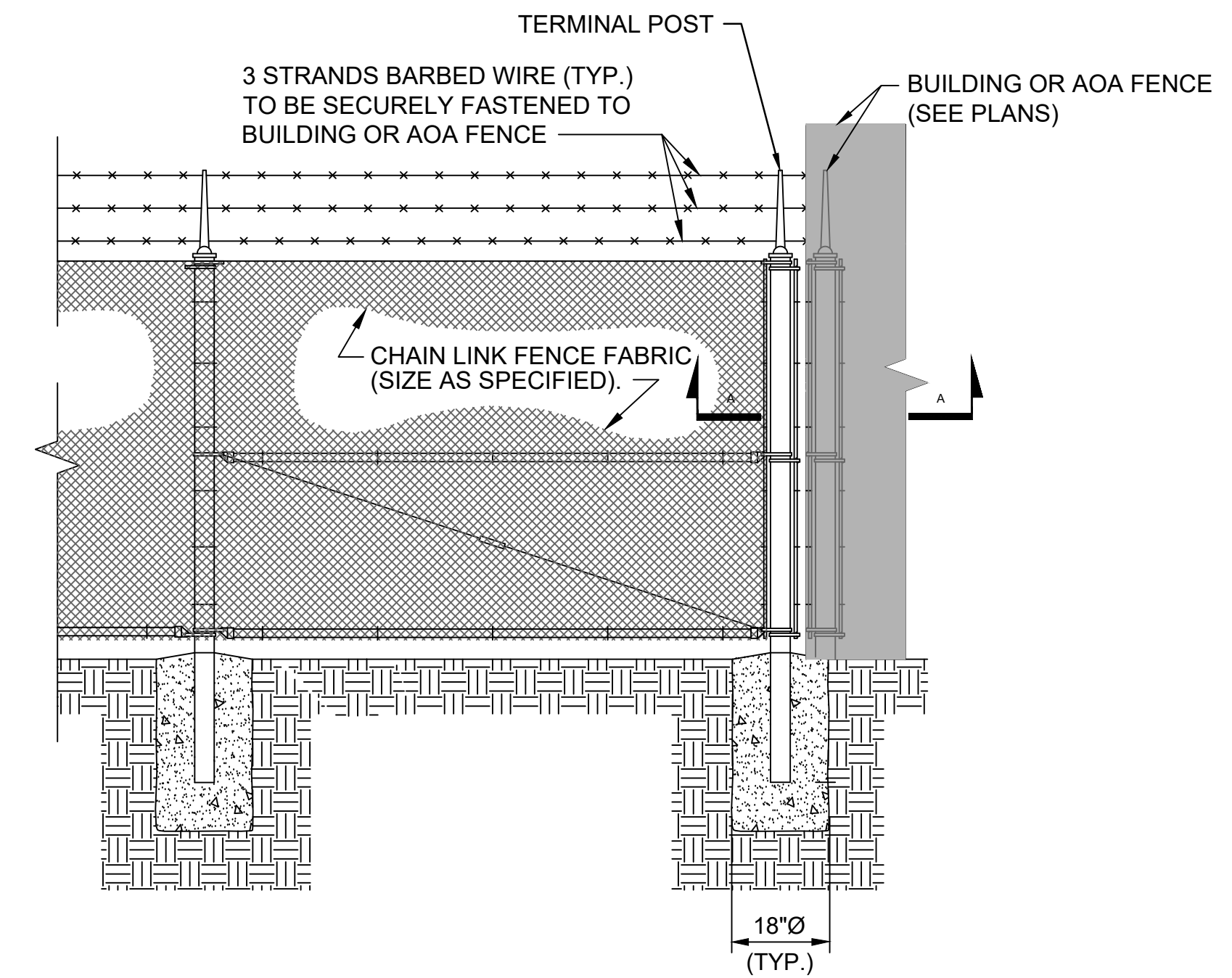
BRACE RAIL ATTACHMENT

9-GAGE STEEL TIE WIRE (12" O.C. MAX. AND WITHIN 4" FROM TOP AND BOTTOM OF FABRIC)



SECTION A-A

NOT TO SCALE

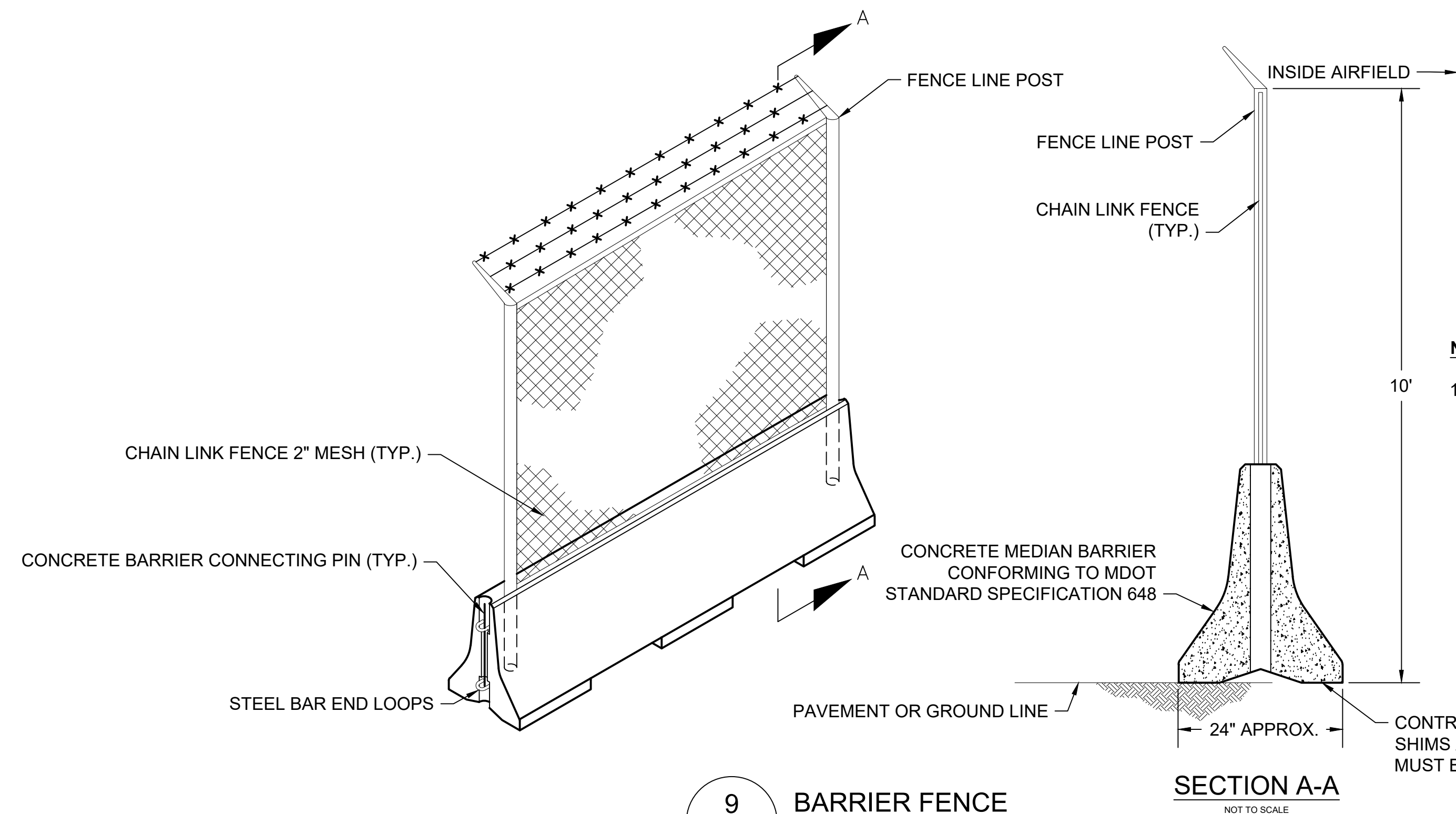


**6** FABRIC FASTENING DETAILS  
CF501 SCALE: NTS

**7** AOA FENCE CONNECTION  
CF501 SCALE: NTS



CLEAN FILL WASTE AREA (ALL EXCESS MATERIALS FROM POST HOLES/OTHER SOURCES SHALL NOT BE TAKEN OFF SITE AND RATHER COMPACTED IN THE CLEAN FILL WASTE AREA PER THE TECHNICAL SPECIFICATIONS) SHALL BE GRADED FOR POSITIVE DRAINAGE



**NOTES:**

- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING METHOD OF ATTACHMENT FOR BARRIER FENCE AND STANDARD PERMANENT FENCE POST. NO GAP IN FENCING MUST EXIST ONCE ATTACHED. IN ADDITION, NO GAPS SHALL OCCUR BETWEEN THE BARRIERS.

CONTRACTOR SHALL PLACE SHIMS AS REQUIRED. BARRIERS MUST BE SECURED AND LEVEL.

**8** CLEAN FILL WASTE AREA  
CF501 SCALE: NTS

**9** BARRIER FENCE  
CF501 SCALE: NTS

CONSULTANT:

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

SEAL:

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LICENSE NO. 32705  
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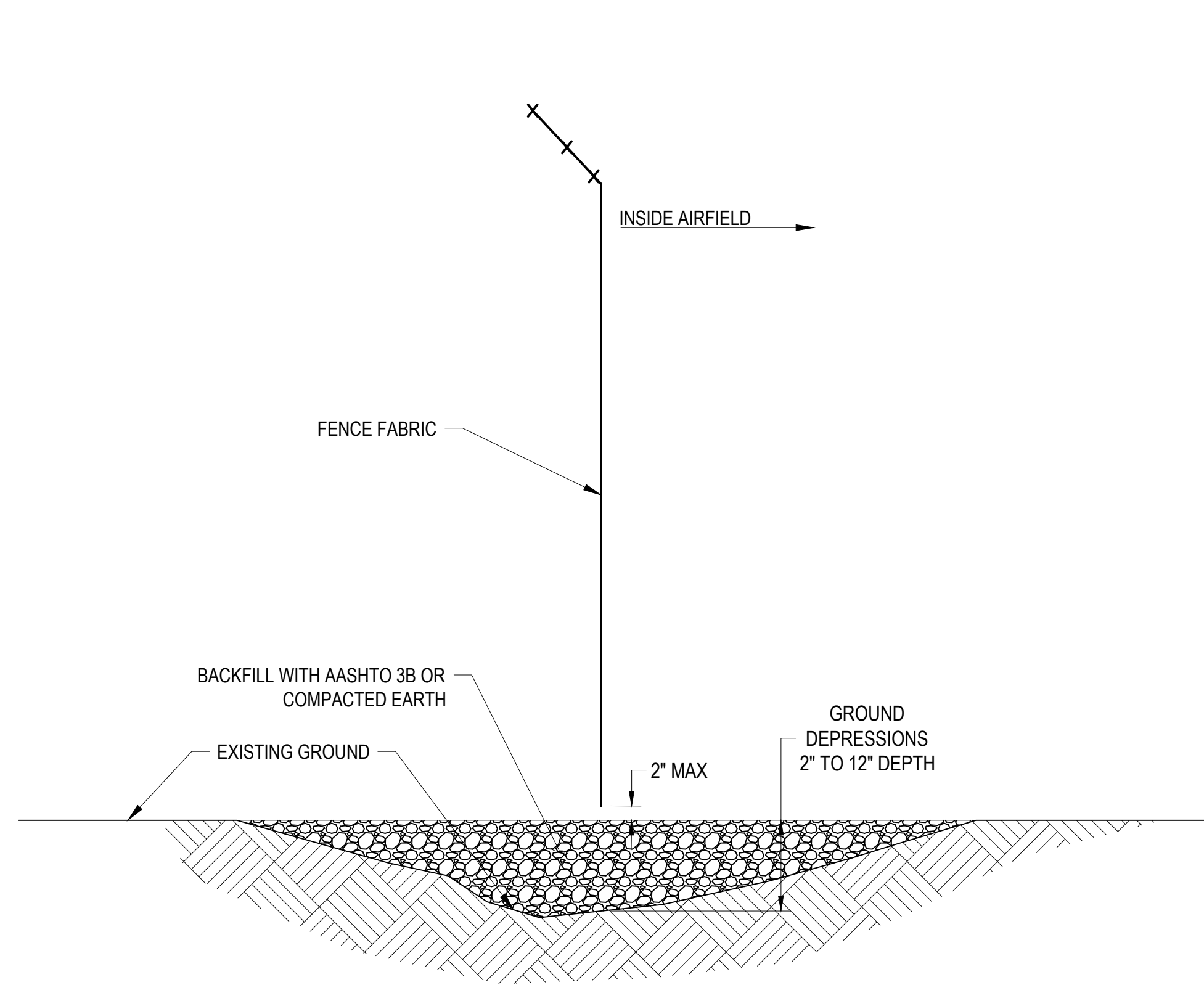
| DESIGNED: | REVISION NO. | REVISION DATE | DESCRIPTIONS |
|-----------|--------------|---------------|--------------|
| B.J.D.    |              |               |              |
| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
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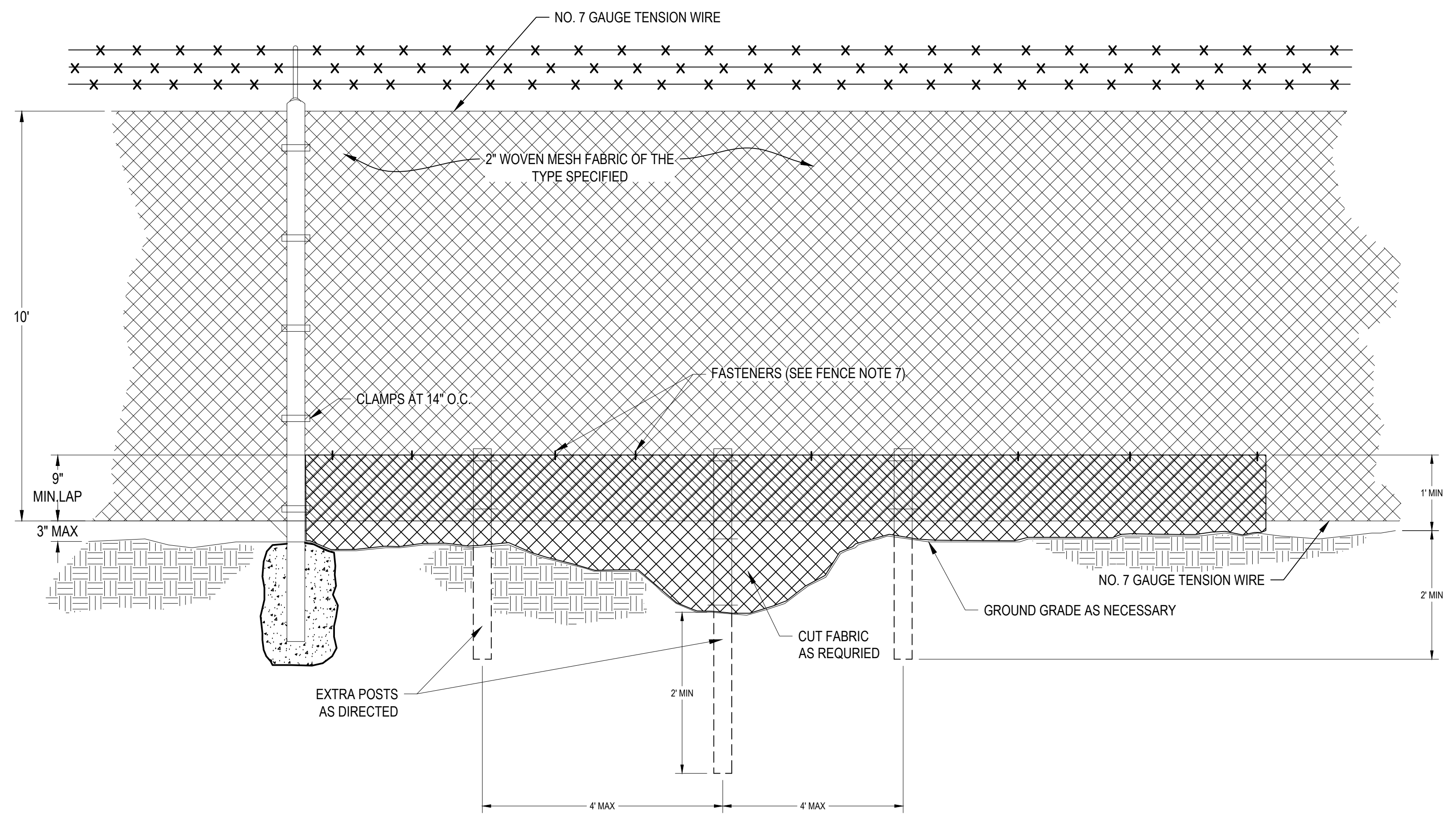
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| PROJECT TITLE: | ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT |
| SHEET TITLE:   | FENCING DETAILS 2  |
| SCALE:         | N.A.   |
| DATE:          | JUNE 2024  |

FAA AIP No.: 3-24-0019-071-2024  
Bid No.: PUR-1695

SHEET NO.:  
**CF501**  
22 OF 45



10 FENCE TREATMENT AT GROUND DEPRESSIONS (>2" AND <12")  
CF502 NOT TO SCALE




11 FENCE TREATMENT AT GROUND DEPRESSIONS  $\geq 1$  FOOT  
CF502 NOT TO SCALE

CONSULTANT:



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FAX: 410.465.9602

SEAL:



STATE OF MARYLAND  
V.J.D.  
PROFESSIONAL ENGINEER  
EXPIRES 02/21/2026

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| B.J.D.    |              |               |              |
| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

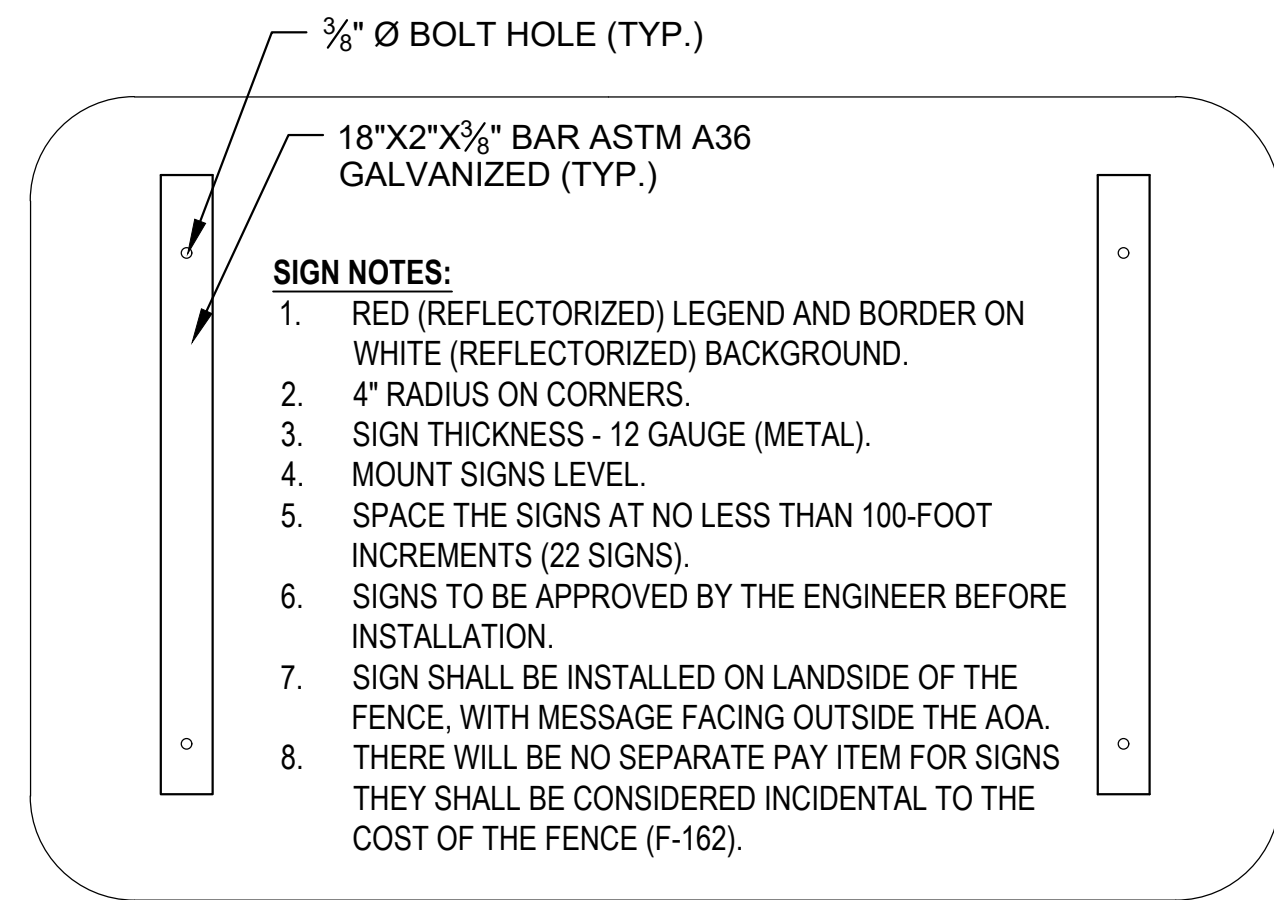
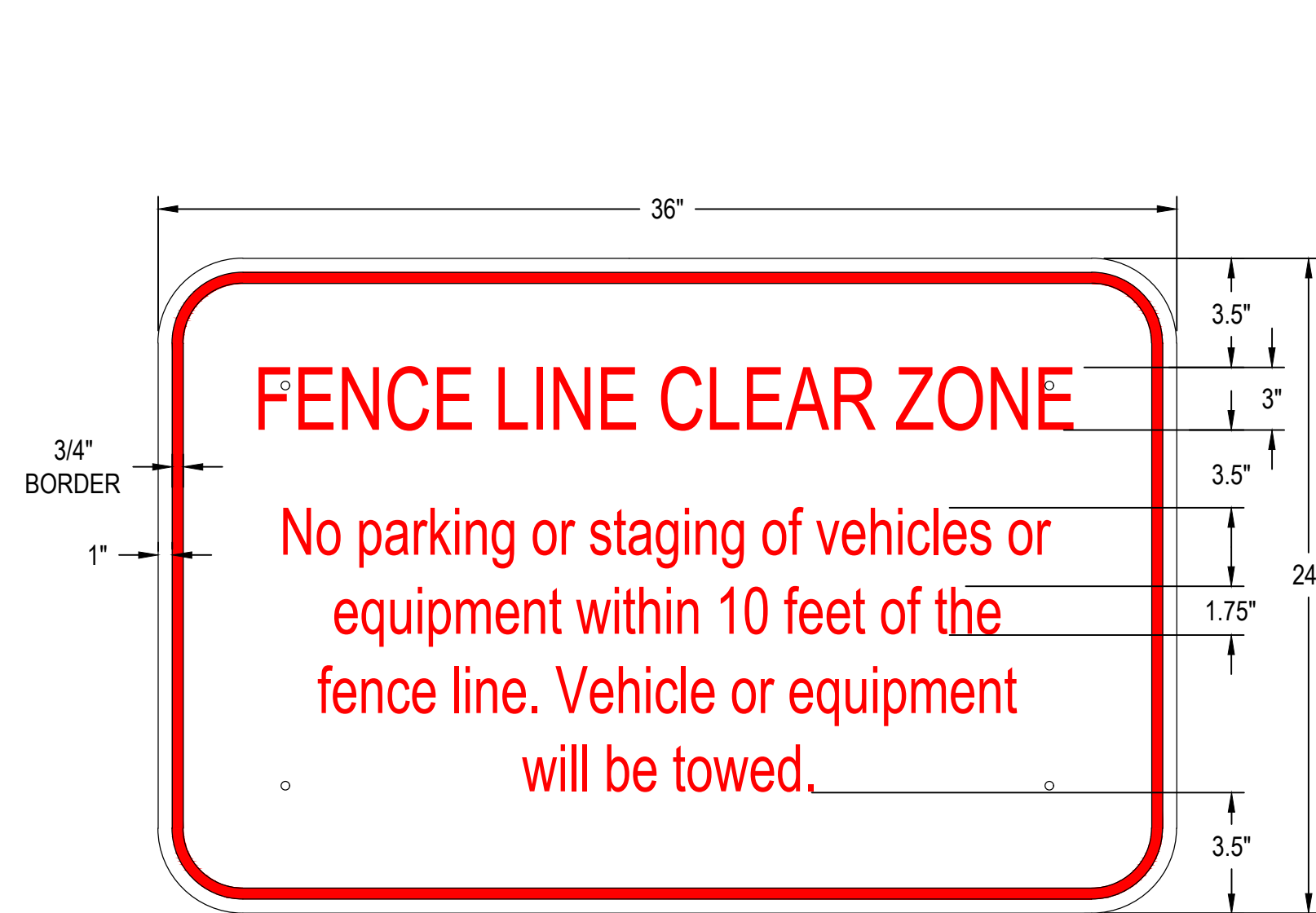


**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

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| PROJECT TITLE: | ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT |
| SHEET TITLE:   | FENCING DETAILS 3  |
| SCALE:         | N.A.   |
| DATE:          | JUNE 2024  |

FAA AIP No.: 3-24-0019-071-2024  
Bid No.: PUR-1695

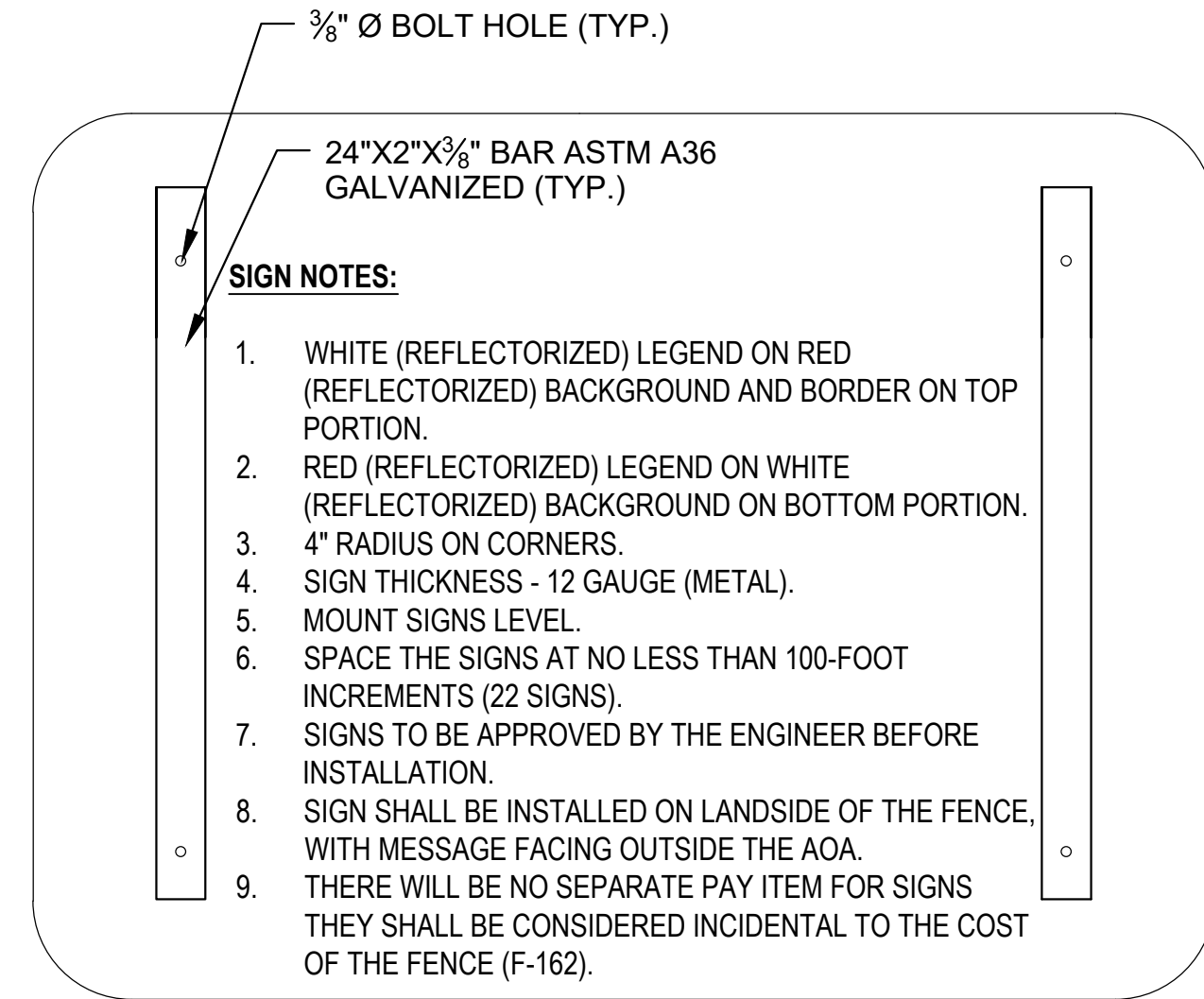
SHEET NO.:  
**CF502**  
23 OF 45



- SIGN NOTES:**
1. RED (REFLECTORIZED) LEGEND AND BORDER ON WHITE (REFLECTORIZED) BACKGROUND.
  2. 4" RADIUS ON CORNERS.
  3. SIGN THICKNESS - 12 GAUGE (METAL).
  4. MOUNT SIGNS LEVEL.
  5. SPACE THE SIGNS AT NO LESS THAN 100-FOOT INCREMENTS (22 SIGNS).
  6. SIGNS TO BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.
  7. SIGN SHALL BE INSTALLED ON LANDSIDE OF THE FENCE, WITH MESSAGE FACING OUTSIDE THE AOA.
  8. THERE WILL BE NO SEPARATE PAY ITEM FOR SIGNS THEY SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE FENCE (F-162).

BACK VIEW

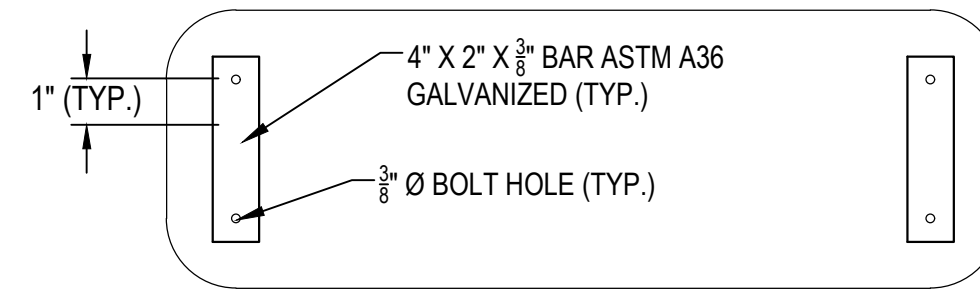
12 FENCE LINE CLEAR ZONE SIGN  
CF503 SCALE: NTS



- SIGN NOTES:**
1. WHITE (REFLECTORIZED) LEGEND ON RED (REFLECTORIZED) BACKGROUND AND BORDER ON TOP PORTION.
  2. RED (REFLECTORIZED) LEGEND ON WHITE (REFLECTORIZED) BACKGROUND ON BOTTOM PORTION.
  3. 4" RADIUS ON CORNERS.
  4. SIGN THICKNESS - 12 GAUGE (METAL).
  5. MOUNT SIGNS LEVEL.
  6. SPACE THE SIGNS AT NO LESS THAN 100-FOOT INCREMENTS (22 SIGNS).
  7. SIGNS TO BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.
  8. SIGN SHALL BE INSTALLED ON LANDSIDE OF THE FENCE, WITH MESSAGE FACING OUTSIDE THE AOA.
  9. THERE WILL BE NO SEPARATE PAY ITEM FOR SIGNS THEY SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE FENCE (F-162).

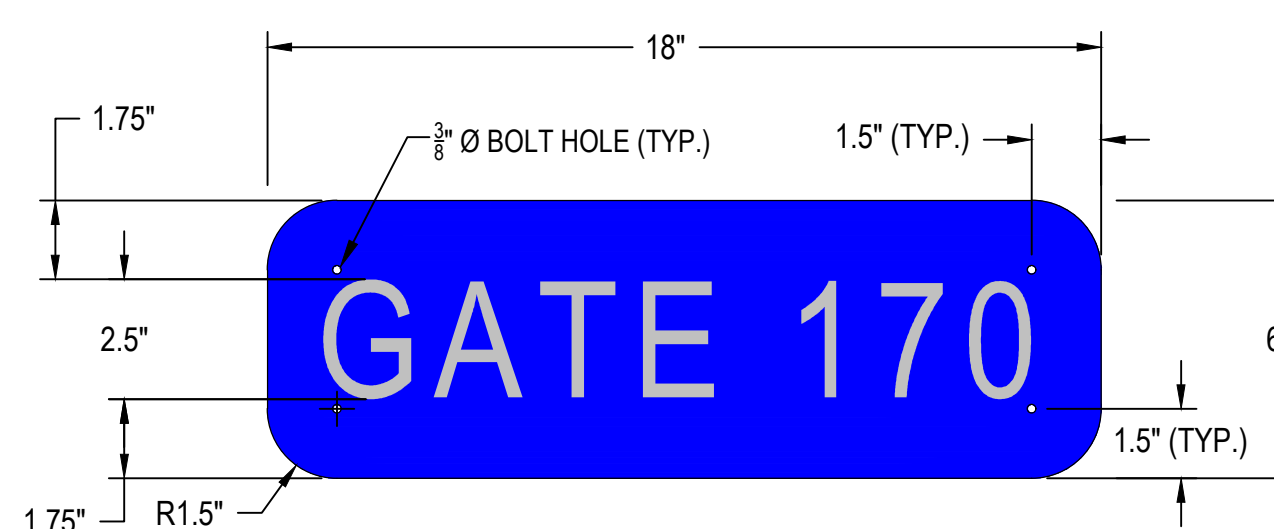
BACK VIEW

13 NO TRESPASSING SIGN  
CF503 SCALE: NTS

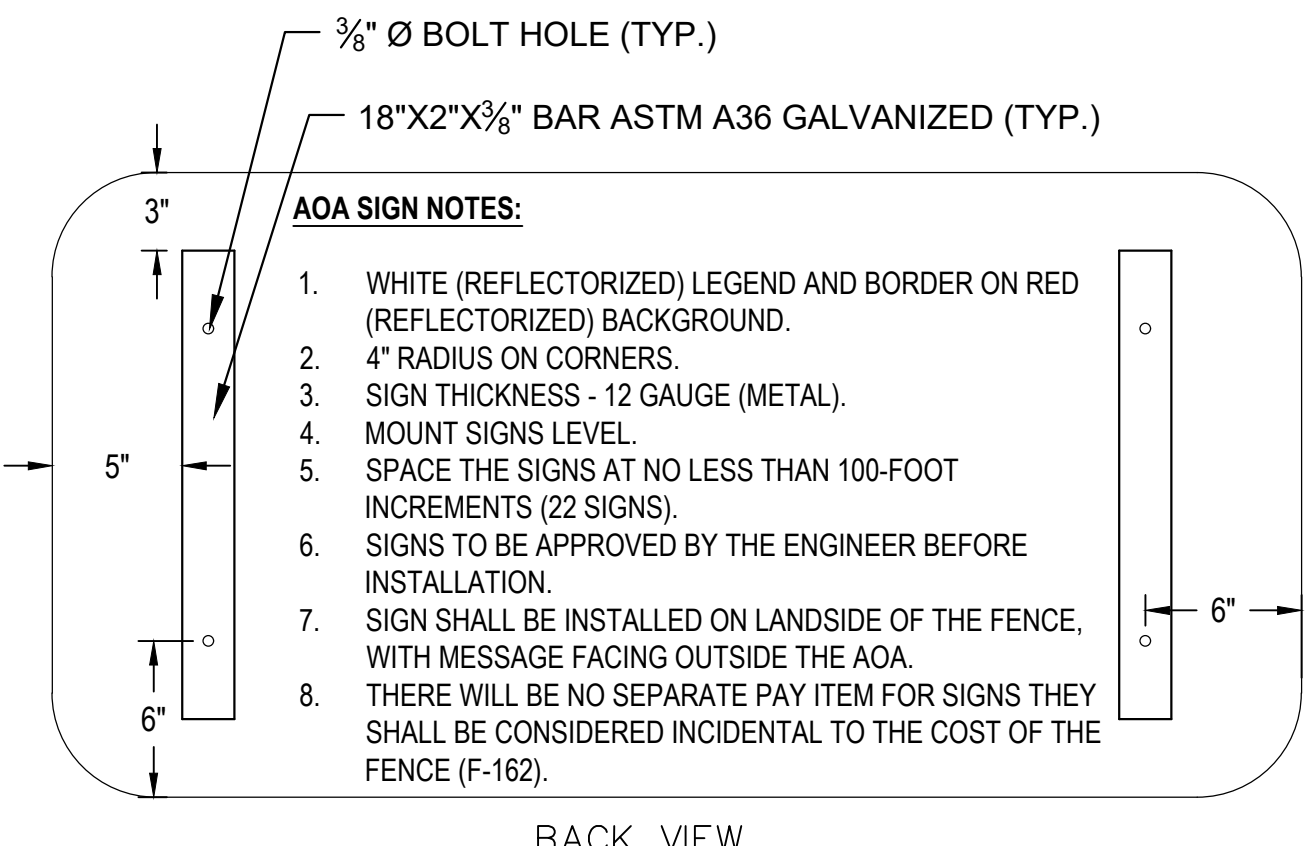


BACK VIEW

- GATE SIGN NOTES:**
1. WHITE (REFLECTIVE) LEGEND ON BLUE (REFLECTIVE) BACKGROUND.
  2. SIGN THICKNESS - 12 GAUGE
  3. MOUNT SIGNS LEVEL TO FENCE.
  4. SIGN SHALL BE INSTALLED ON BOTH SIDES OF THE GATE.
  5. SIGN SHALL BE PLACED IN THE UPPER LEFT HAND CORNER OF THE GATE LEAF.
  6. DOUBLE LEAF GATES SHALL RECEIVE ONE SIGN IN THE UPPER LEFT HAND CORNER.
  7. THERE WILL BE NO SEPARATE PAY ITEM FOR SIGNS THEY SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE GATE (F-162).
  8. THE 160-FOOT GATE SHALL BE DESIGNATED "GATE 170" WHEREAS THE PEDESTRIAN GATE SHALL BE "GATE 170A" (4 SIGNS).



14 GATE NUMBER SIGN  
CF503 SCALE: NTS



AOA SIGN NOTES:

1. WHITE (REFLECTORIZED) LEGEND AND BORDER ON RED (REFLECTORIZED) BACKGROUND.
2. 4" RADIUS ON CORNERS.
3. SIGN THICKNESS - 12 GAUGE (METAL).
4. MOUNT SIGNS LEVEL.
5. SPACE THE SIGNS AT NO LESS THAN 100-FOOT INCREMENTS (22 SIGNS).
6. SIGNS TO BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.
7. SIGN SHALL BE INSTALLED ON LANDSIDE OF THE FENCE, WITH MESSAGE FACING OUTSIDE THE AOA.
8. THERE WILL BE NO SEPARATE PAY ITEM FOR SIGNS THEY SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE FENCE (F-162).

BACK VIEW

15 AOA SIGN  
CF503 SCALE: NTS

CONSULTANT:

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ELLICOTT CITY, MD 21043  
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| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

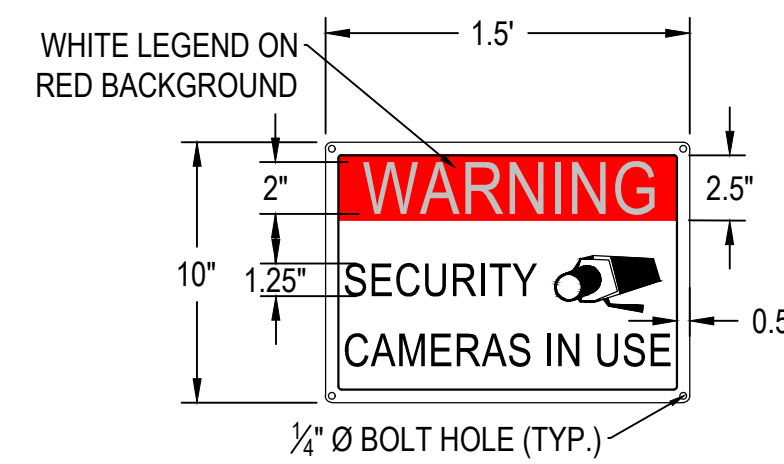
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| PROJECT TITLE: | ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT |
| SHEET TITLE:   | FENCING DETAILS 4  |
| SCALE:         | N.A.   |
| DATE:          | JUNE 2024  |

FAA AIP No.: 3-24-0019-071-2024  
Bid No.: PUR-1695

SHEET NO.:  
**CF503**

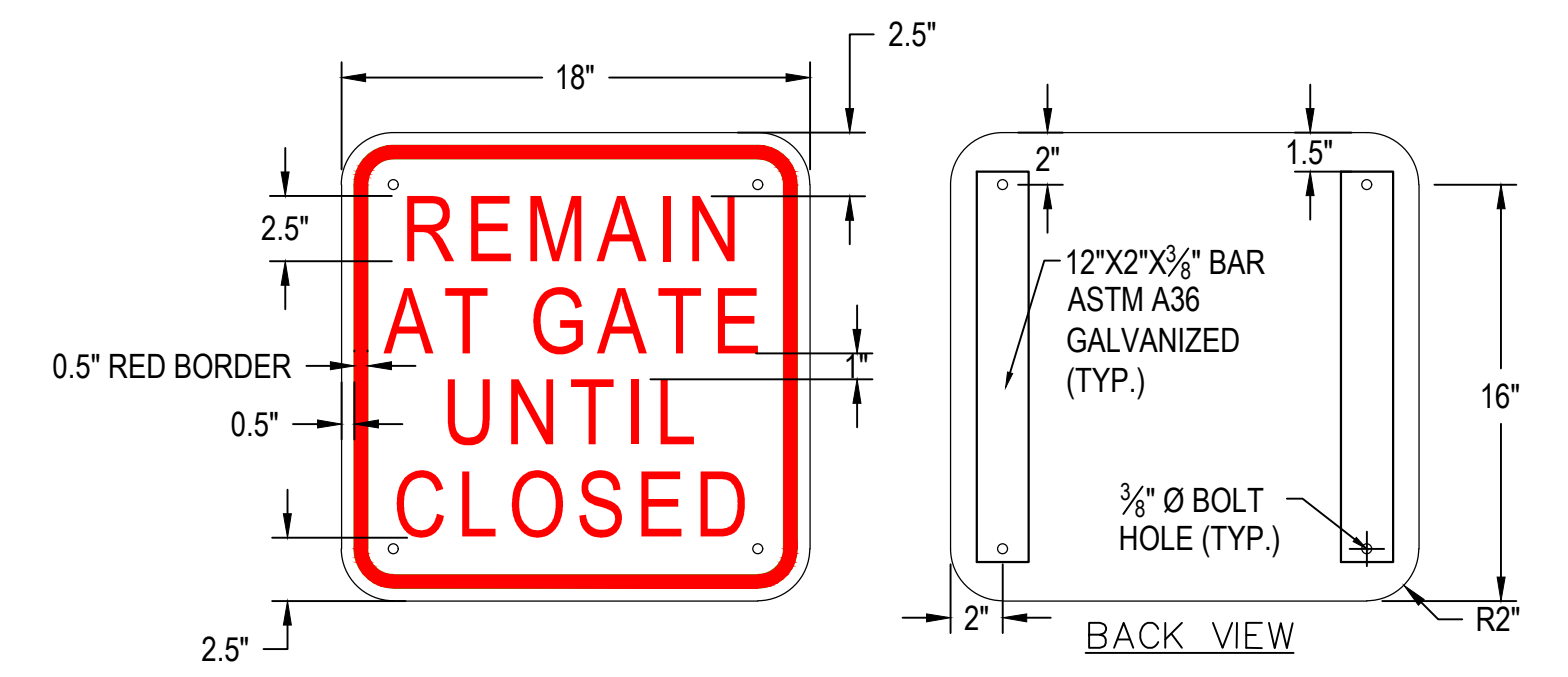
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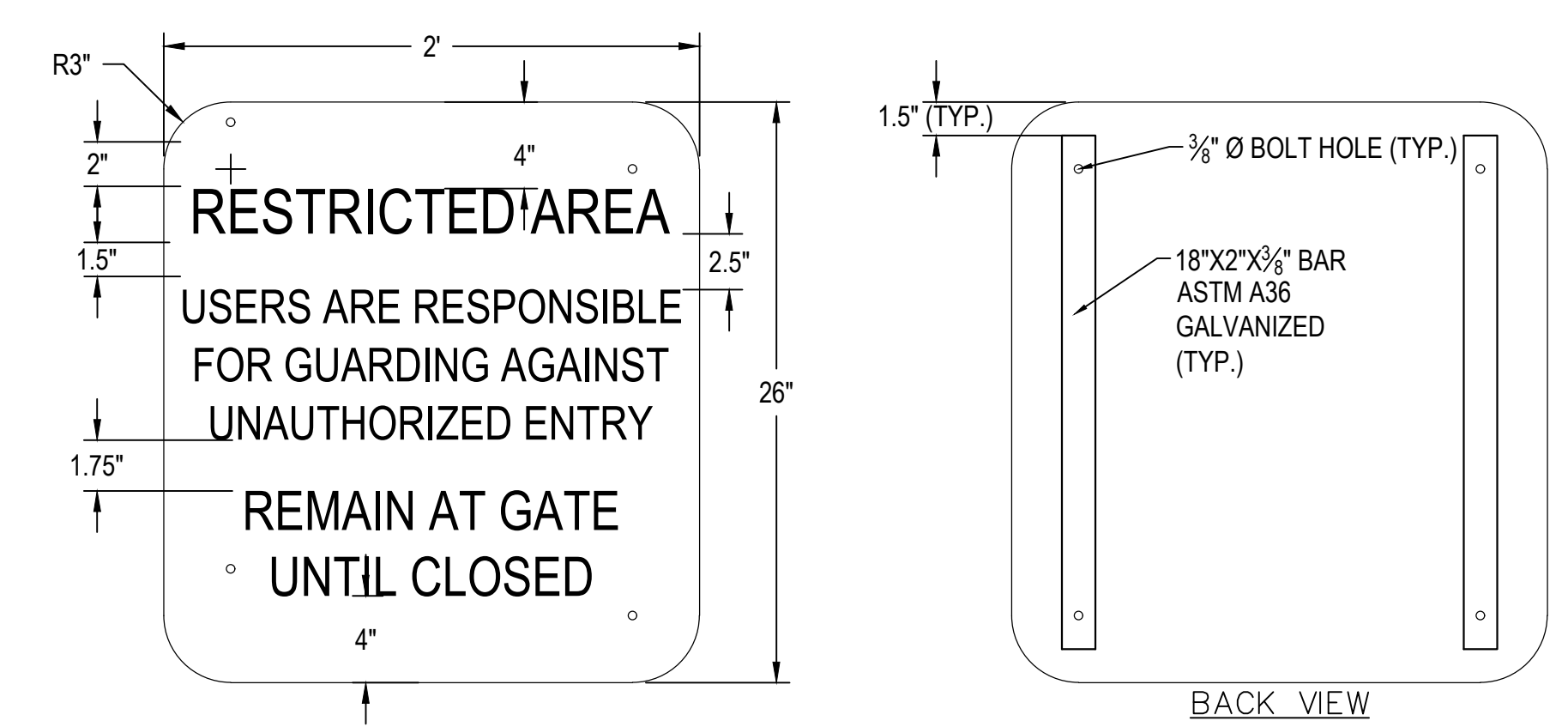
- RESTRICTED AREA SIGN NOTES:**
1. BLACK (REFLECTORIZED) LEGEND ON WHITE (REFLECTORIZED) BACKGROUND (EXCEPT WERE INDICATED)
  2. 1/4" RADIUS ON CORNERS.
  3. SIGN THICKNESS - 12 GAUGE (METAL).
  4. MOUNT SIGNS LEVEL.
  5. SIGNS TO BE PLACED ON LANDSIDE OF ALL GATES ENTERING AOA.
  6. SIGNS TO BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.
  7. THERE WILL BE NO SEPARATE PAY ITEM FOR SIGNS THEY SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE GATE (F-162).

**16 SURVEILLANCE CAMERA SIGN**  
CF504 SCALE: NTS



- REMAIN AT GATE SIGN NOTES:**
1. RED (REFLECTORIZED) LEGEND AND BORDER ON WHITE (REFLECTORIZED) BACKGROUND.
  2. 2" RADIUS ON CORNERS.
  3. SIGN THICKNESS - 12 GAUGE (METAL).
  4. MOUNT SIGNS LEVEL.
  5. SIGNS TO BE PLACED ON AIRFIELD SIDE OF ALL AUTOMATED VEHICULAR GATES.
  6. SIGNS TO BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.
  7. THERE WILL BE NO SEPARATE PAY ITEM FOR SIGNS THEY SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE GATE (F-162).

**17 REMAIN AT GATE SIGN**  
CF504 SCALE: NTS



- RESTRICTED AREA SIGN NOTES:**
1. BLACK (REFLECTORIZED) LEGEND ON WHITE (REFLECTORIZED) BACKGROUND.
  2. 3" RADIUS ON CORNERS.
  3. SIGN THICKNESS - 12 GAUGE (METAL).
  4. MOUNT SIGNS LEVEL.
  5. SIGNS TO BE PLACED ON LANDSIDE OF ALL GATES ENTERING AOA.
  6. SIGNS TO BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.
  7. THERE WILL BE NO SEPARATE PAY ITEM FOR SIGNS THEY SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE GATE (F-162).

**18 RESTRICTED AREA SIGN**  
CF504 SCALE: NTS

**CONSULTANT:**

**AIRCRAFT DESIGN CONSULTANTS**  
6031 UNIVERSITY BLVD, SUITE 330  
ELLCOTT 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: 02/21/2026

| DESIGNED: | REVISION NO. | REVISION DATE | DESCRIPTIONS |
|-----------|--------------|---------------|--------------|
| B.J.D.    |              |               |              |
| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

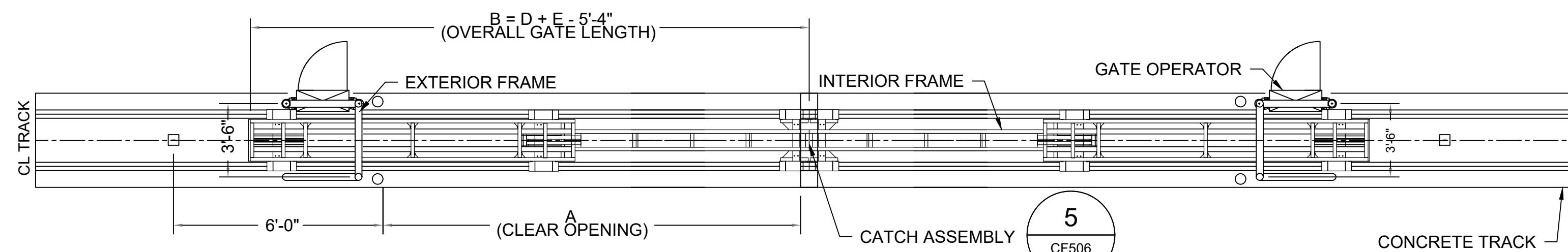
**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

|                       |  |
|-----------------------|--|
| <b>PROJECT TITLE:</b> | ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT |
| <b>SHEET TITLE:</b>   | FENCING DETAILS 5  |
| <b>SCALE:</b>         | N.A.   |
| <b>DATE:</b>          | JUNE 2024  |

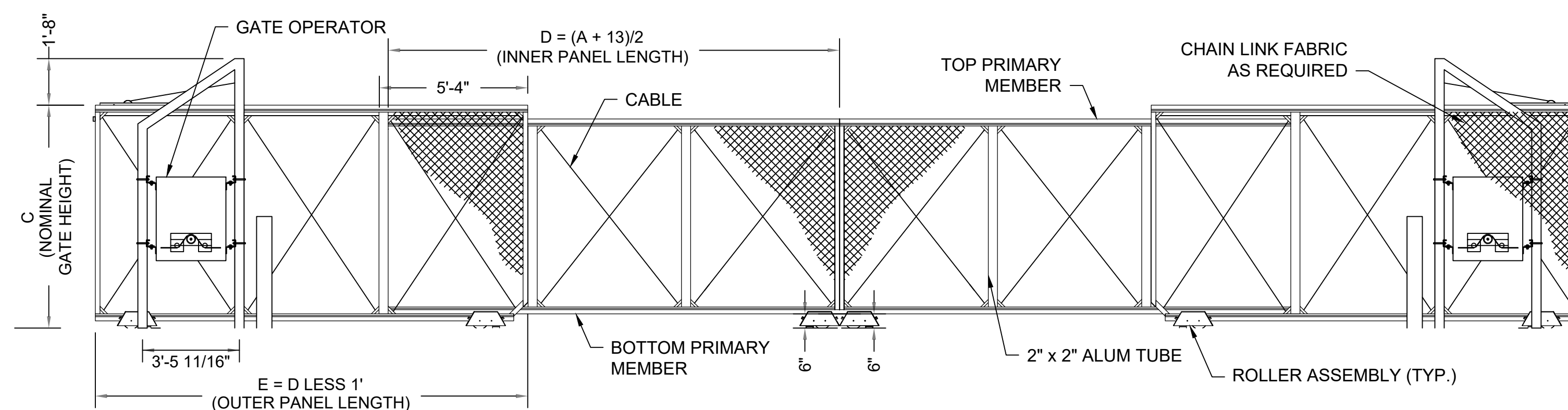
FAA AIP No.: 3-24-0019-071-2024  
Bid No.: PUR-1695

SHEET NO.: **CF504**  
25 OF 45

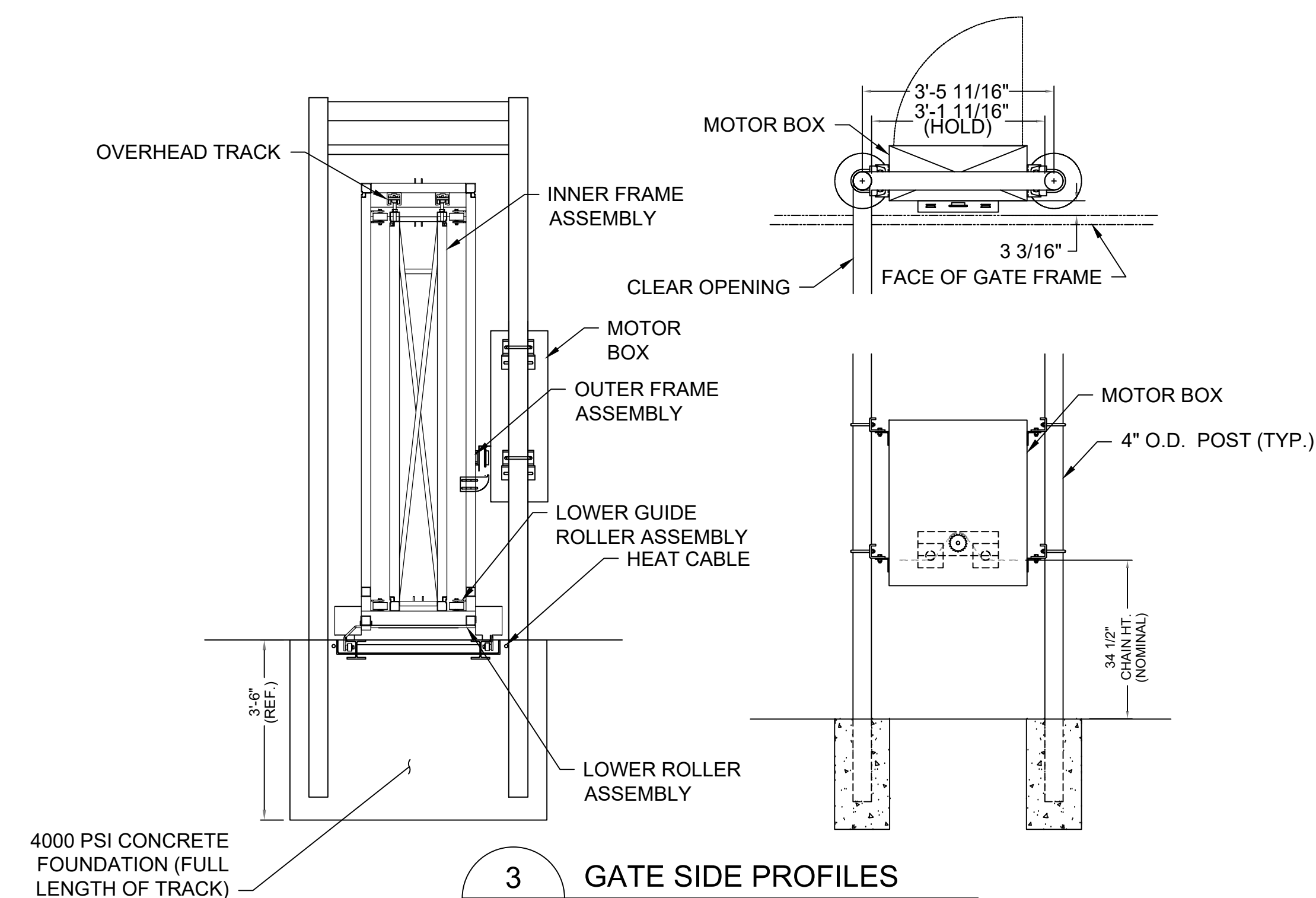
| CRITICAL DIMENSION CHART |                      |         |
|--------------------------|----------------------|---------|
| A                        | CLEAR OPENING        | 80'-0"  |
| B                        | OVERALL GATE LENGTH  | 86'-8"  |
| C                        | NOMINAL GATE HEIGHT  | 10'-0"  |
| D                        | INNER PANEL LENGTH   | 46'-6"  |
| E                        | OUTER PANEL LENGTH   | 45'-6"  |
| F                        | OVERALL TRACK LENGTH | 122'-6" |
| G                        | COLLAPSED LENGTH     | 46'-6"  |
| H                        | POST HEIGHT          | 10'-6"  |



**1**  
CF505 SCALE: NTS  
TELESCOPING BOX FRAME ROLLER GATE  
(PLAN VIEW - GATE CLOSED POSITION)



**2**  
CF505 SCALE: NTS  
TELESCOPING BOX FRAME ROLLER GATE  
(ELEVATION - GATE CLOSED POSITION)



**3**  
CF505 SCALE: NTS  
GATE SIDE PROFILES

CONSULTANT:

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

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LICENSE NO. 32705  
EXPIRATION DATE: 02/21/2026

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|-----------|--------------|---------------|--------------|
| B.J.D.    |              |               |              |
| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

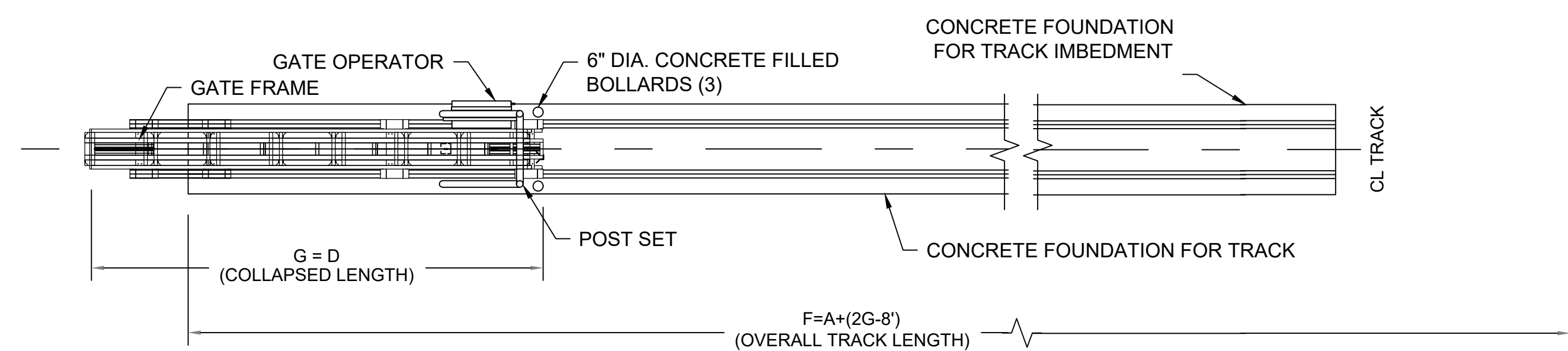
**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

|                |  |
|----------------|--|
| PROJECT TITLE: | ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT |
| SHEET TITLE:   | GATE DETAILS 1   |
| SCALE:         | N.A.   |
| DATE:          | JUNE 2024  |

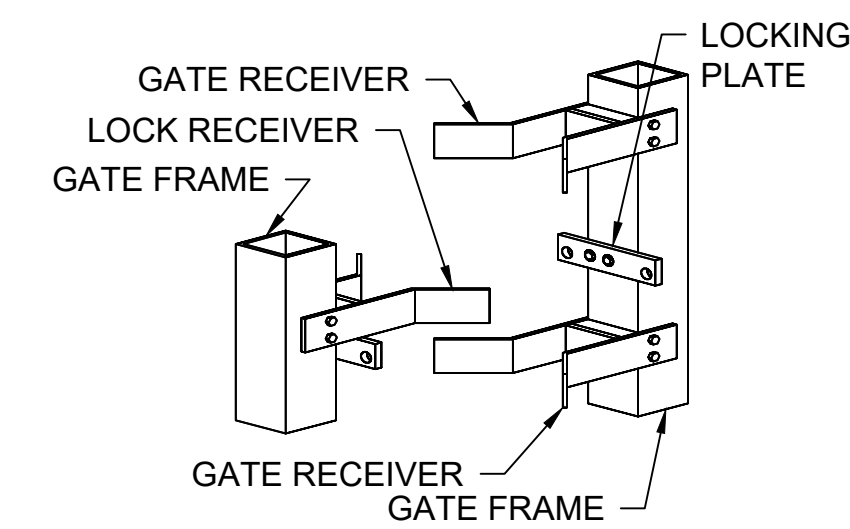
FAA AIP No.: 3-24-0019-071-2024  
Bid No.: PUR-1695

SHEET NO.:  
**CF505**  
26 OF 45

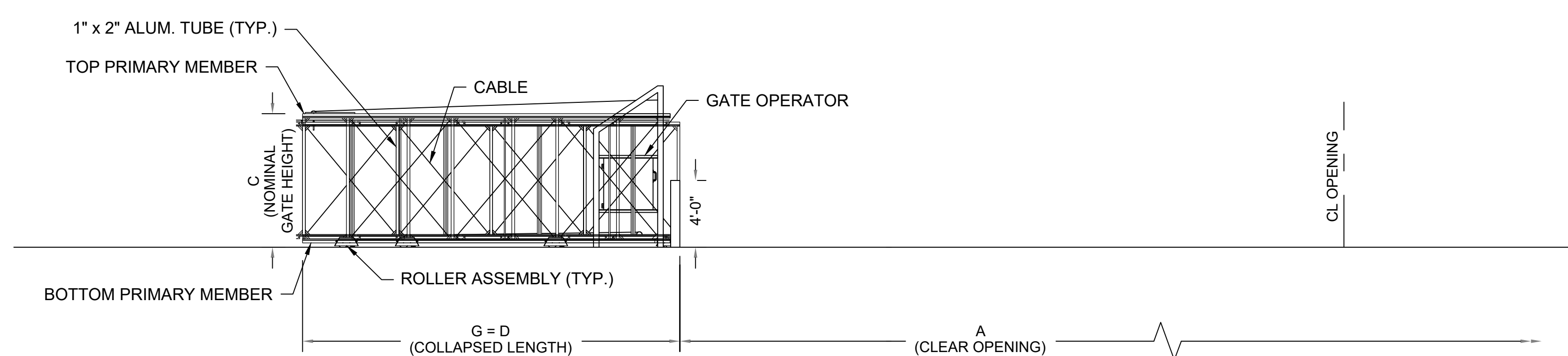
| CRITICAL DIMENSION CHART |                      |         |
|--------------------------|----------------------|---------|
| A                        | CLEAR OPENING        | 80'-0"  |
| B                        | OVERALL GATE LENGTH  | 86'-8"  |
| C                        | NOMINAL GATE HEIGHT  | 10'-0"  |
| D                        | INNER PANEL LENGTH   | 46'-6"  |
| E                        | OUTER PANEL LENGTH   | 45'-6"  |
| F                        | OVERALL TRACK LENGTH | 122'-6" |
| G                        | COLLAPSED LENGTH     | 46'-6"  |
| H                        | POST HEIGHT          | 10'-6"  |



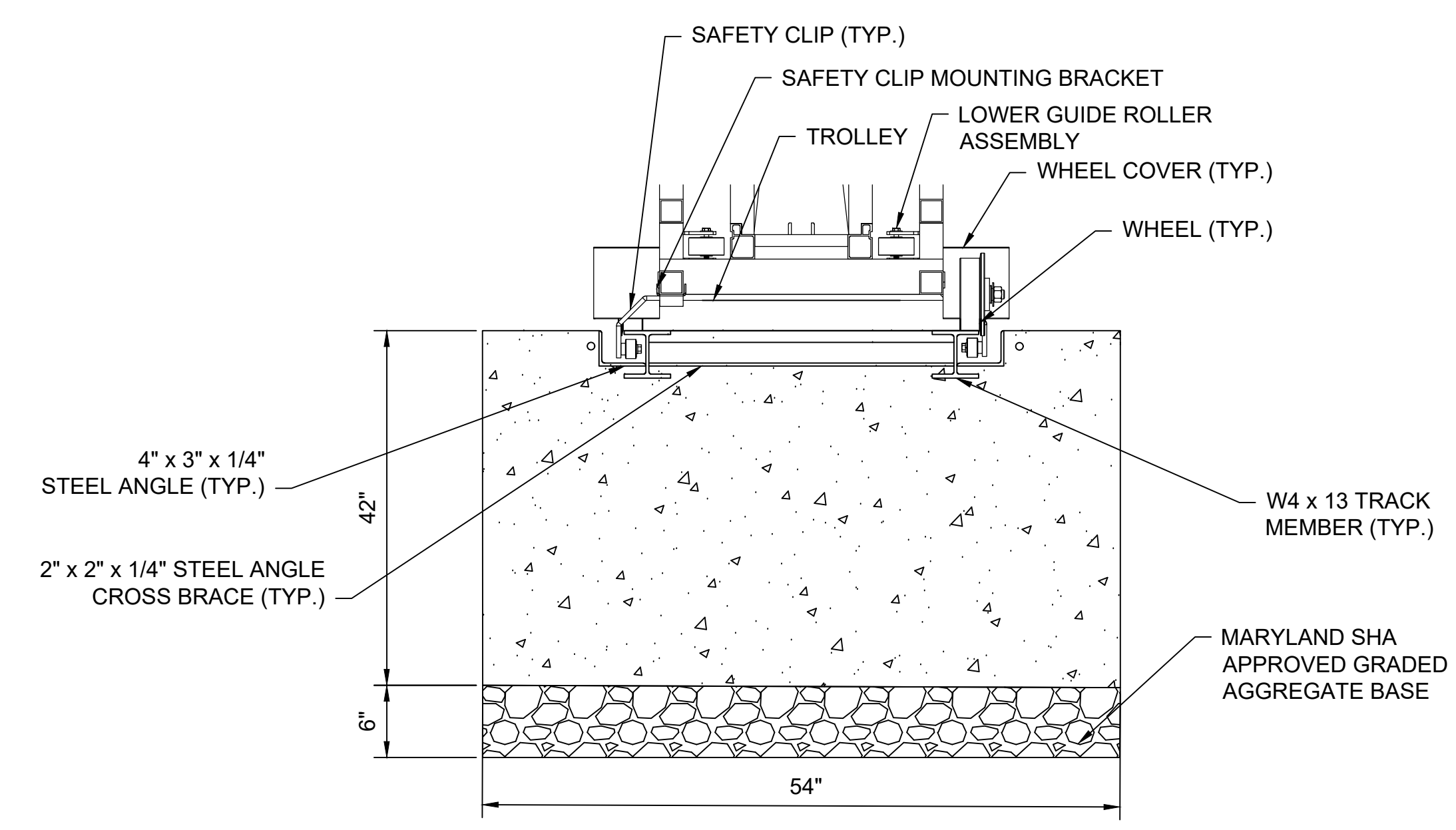
**3**  
CF506  
SCALE: NTS  
**TELESCOPING BOX FRAME ROLLER GATE  
(PLAN VIEW - GATE OPEN POSITION)**



**5**  
CF506  
SCALE: NTS  
**CATCH ASSEMBLY DETAIL**



**4**  
CF506  
SCALE: NTS  
**TELESCOPING BOX FRAME ROLLER GATE  
(PLAN VIEW - GATE CLOSED POSITION)**



**6**  
CF506  
SCALE: NTS  
**TRACK IMBEDMENT SECTION**

CONSULTANT:

**ADCI**  
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ELLCOTT CITY, MD 21043  
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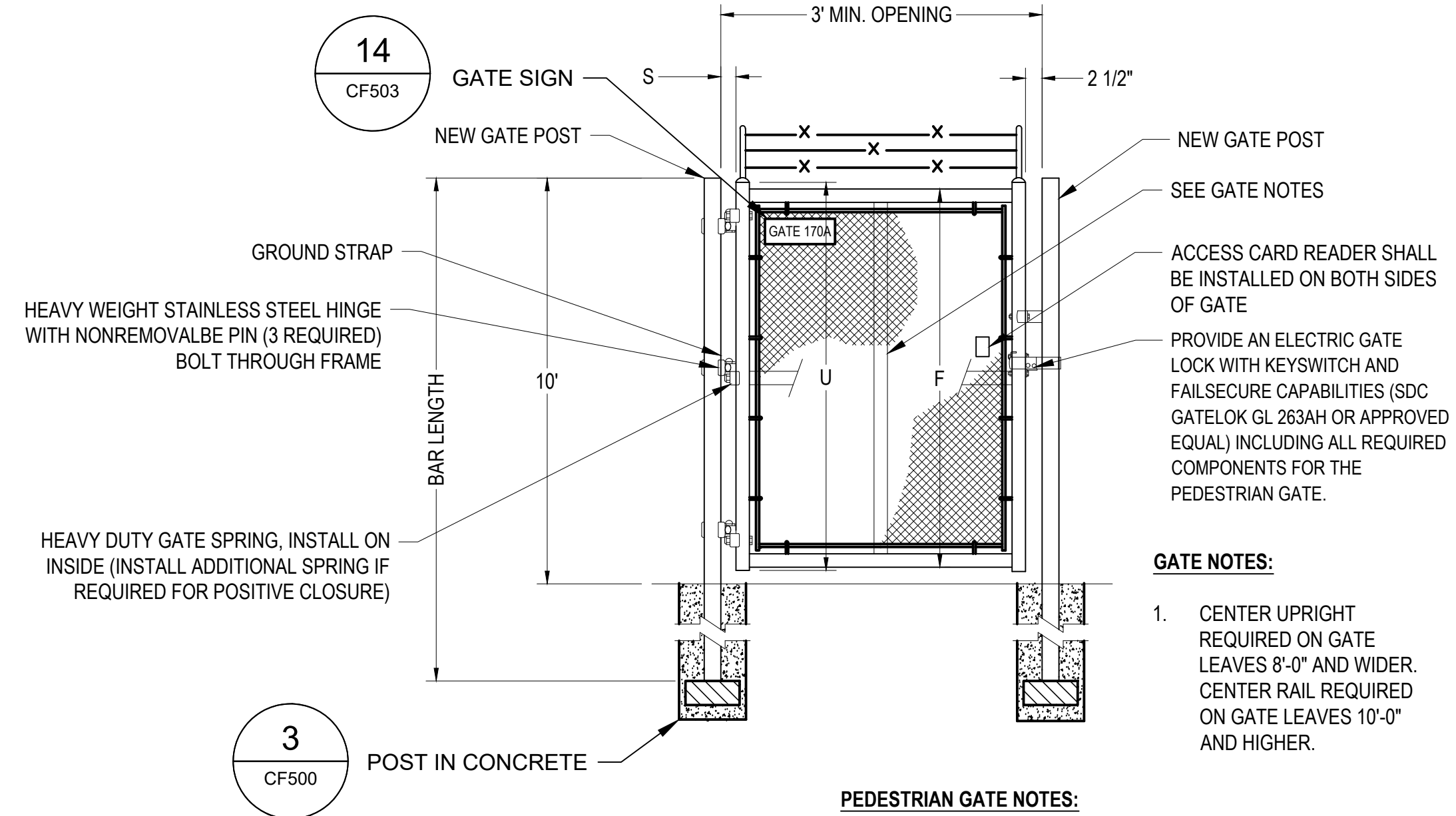
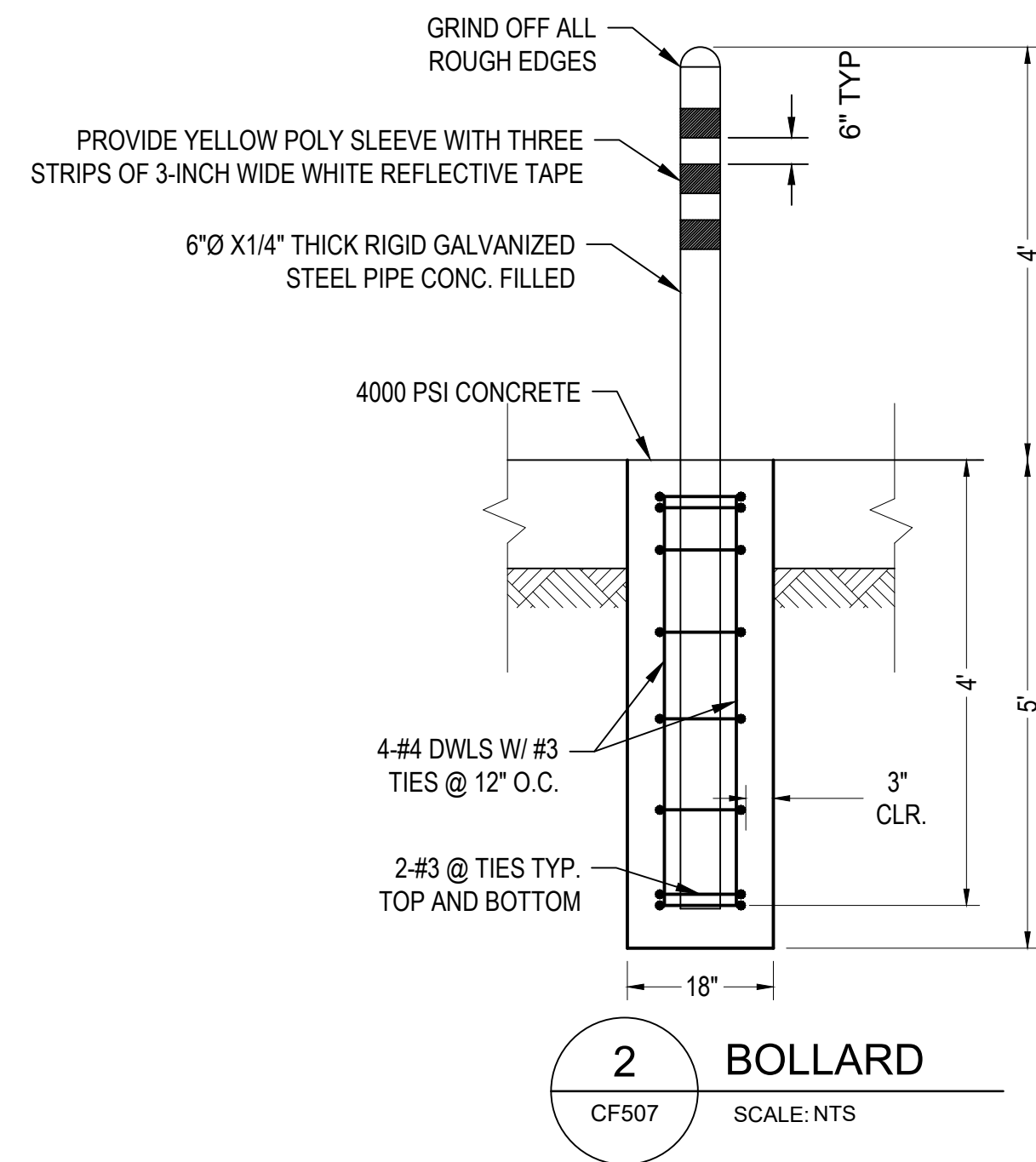
| DESIGNED: | REVISION NO. | REVISION DATE | DESCRIPTIONS |
|-----------|--------------|---------------|--------------|
| B.J.D.    |              |               |              |
| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

|                |  |
|----------------|--|
| PROJECT TITLE: | ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT |
| SHEET TITLE:   | GATE DETAILS 2   |
| SCALE:         | N.A.   |
| DATE:          | JUNE 2024  |

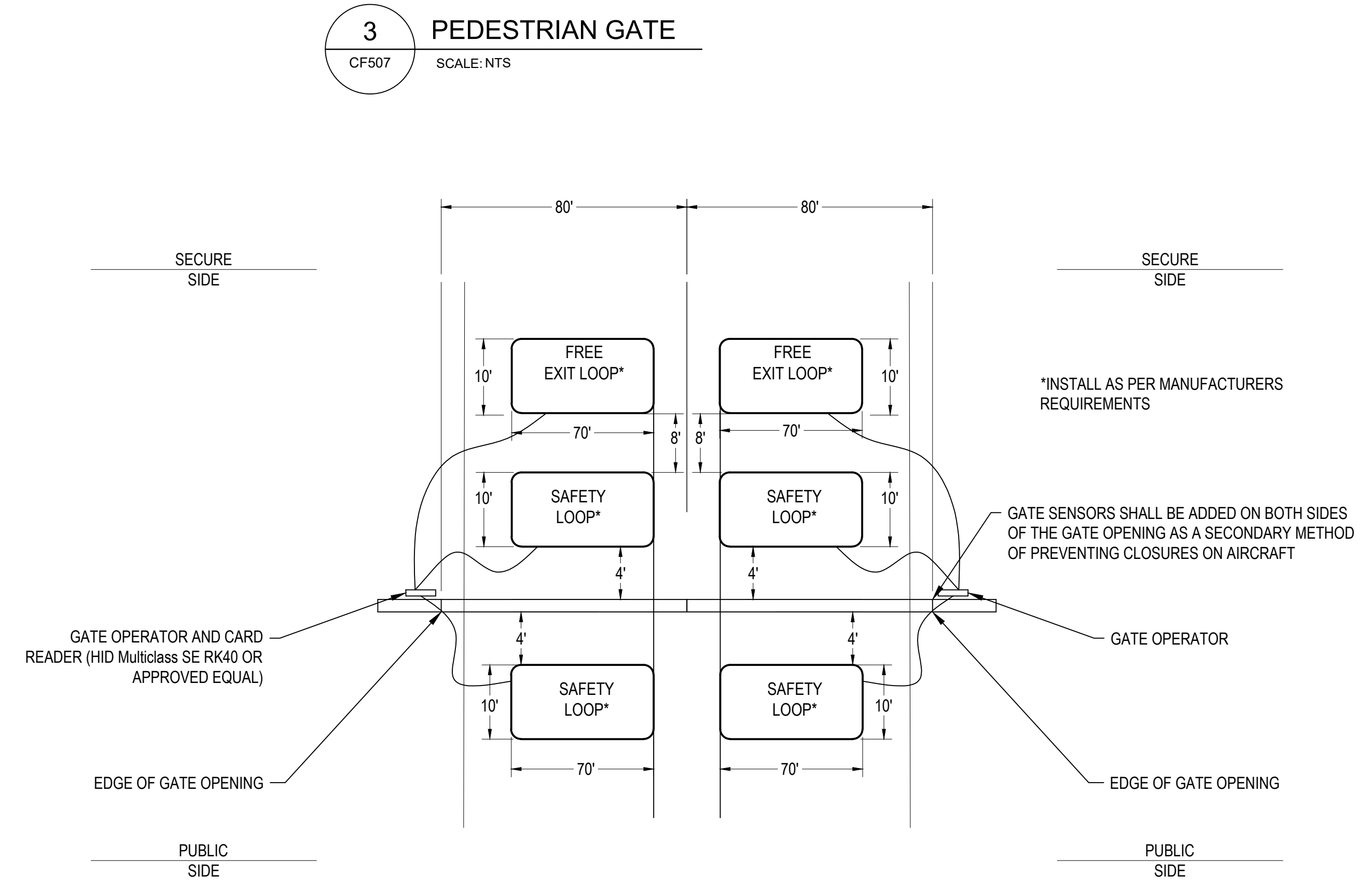
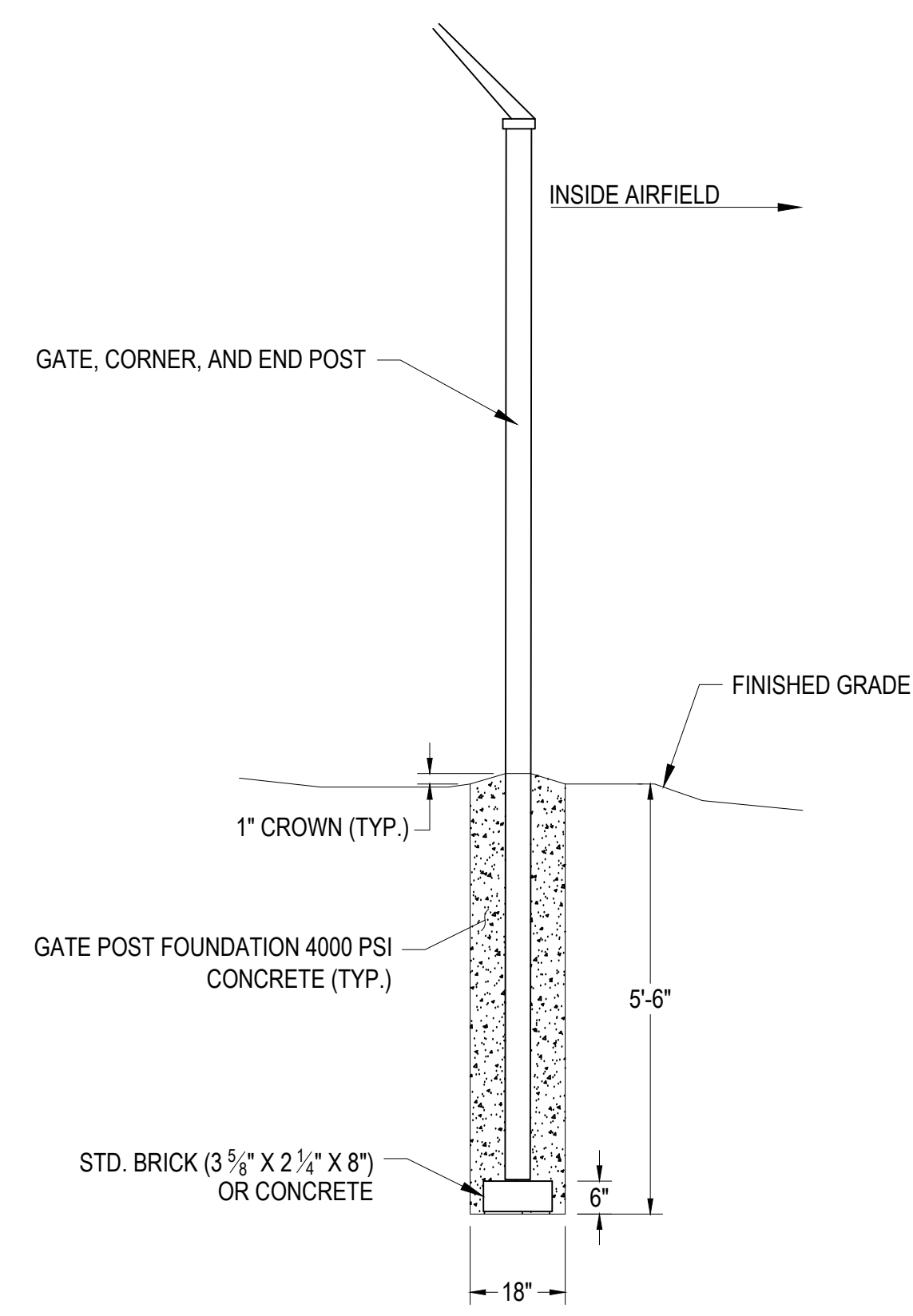
FAA AIP No.: 3-24-0019-071-2024  
Bid No.: PUR-1695

SHEET NO.:  
**CF506**  
27 OF 45



| SINGLE LEAF GATES   |                        |                                       |
|---------------------|------------------------|---------------------------------------|
| OPENING             | GATE POSTS             | HINGE SPACE (S)                       |
| FACE TO FACE        | SQ & RND SIZES         | POST TO UPRIGHT                       |
| 3'-0" through 6'-0" | 2 1/2" SQ or 2.875" OD | FOR SQUARE & ROUND GATE POSTS: 2 1/4" |

| SINGLE OR DOUBLE LEAF GATES |                |              |
|-----------------------------|----------------|--------------|
| NOM HEIGHT (H)              | UPRIGHT HT (U) | FRAME HT (F) |
| WITHOUT BARBED WIRE         | ACTUAL DIM     | ACTUAL DIM   |
| 3'-0"                       | 2'-10"         | 2'-8 1/2"    |
| 3'-6"                       | 3'-4"          | 3'-2 1/2"    |
| 4'-0"                       | 3'-10"         | 3'-8 1/2"    |
| 5'-0"                       | 4'-10"         | 4'-8 1/2"    |
| 6'-0"                       | 5'-10"         | 5'-8 1/2"    |
| 7'-0"                       | 6'-10"         | 6'-8 1/2"    |
| 8'-0"                       | 7'-10"         | 7'-8 1/2"    |
| 9'-0"                       | 8'-10"         | 8'-8 1/2"    |
| 10'-0"                      | 9'-10"         | 9'-8 1/2"    |
| 11'-0"                      | 10'-10"        | 10'-8 1/2"   |
| 12'-0"                      | 11'-10"        | 11'-8 1/2"   |



CONSULTANT:

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ELLCOTT CITY, MD 21043  
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FAX: 410.465.9602

SEAL:

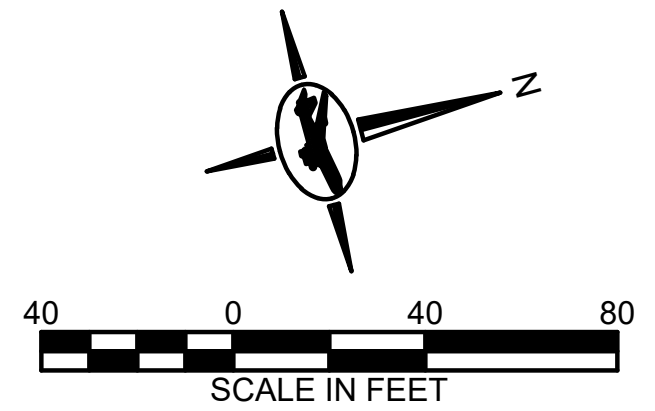
PROFESSIONAL CERTIFICATION:  
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LICENSE NO. 32705  
EXPIRATION DATE: 02/21/2026

| DESIGNED: | REVISION NO. | REVISION DATE | DESCRIPTIONS |
|-----------|--------------|---------------|--------------|
| B.J.D.    |              |               |              |
| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

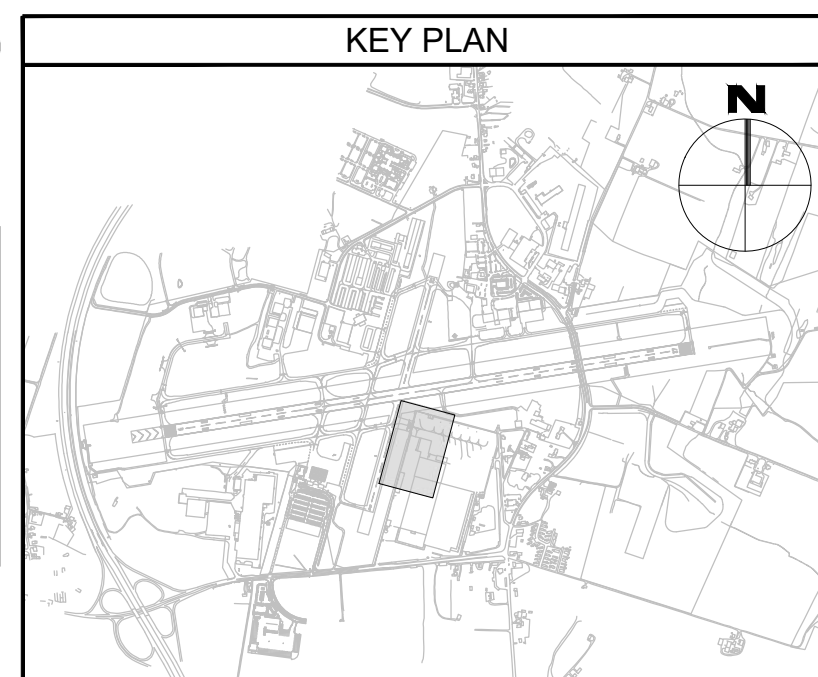
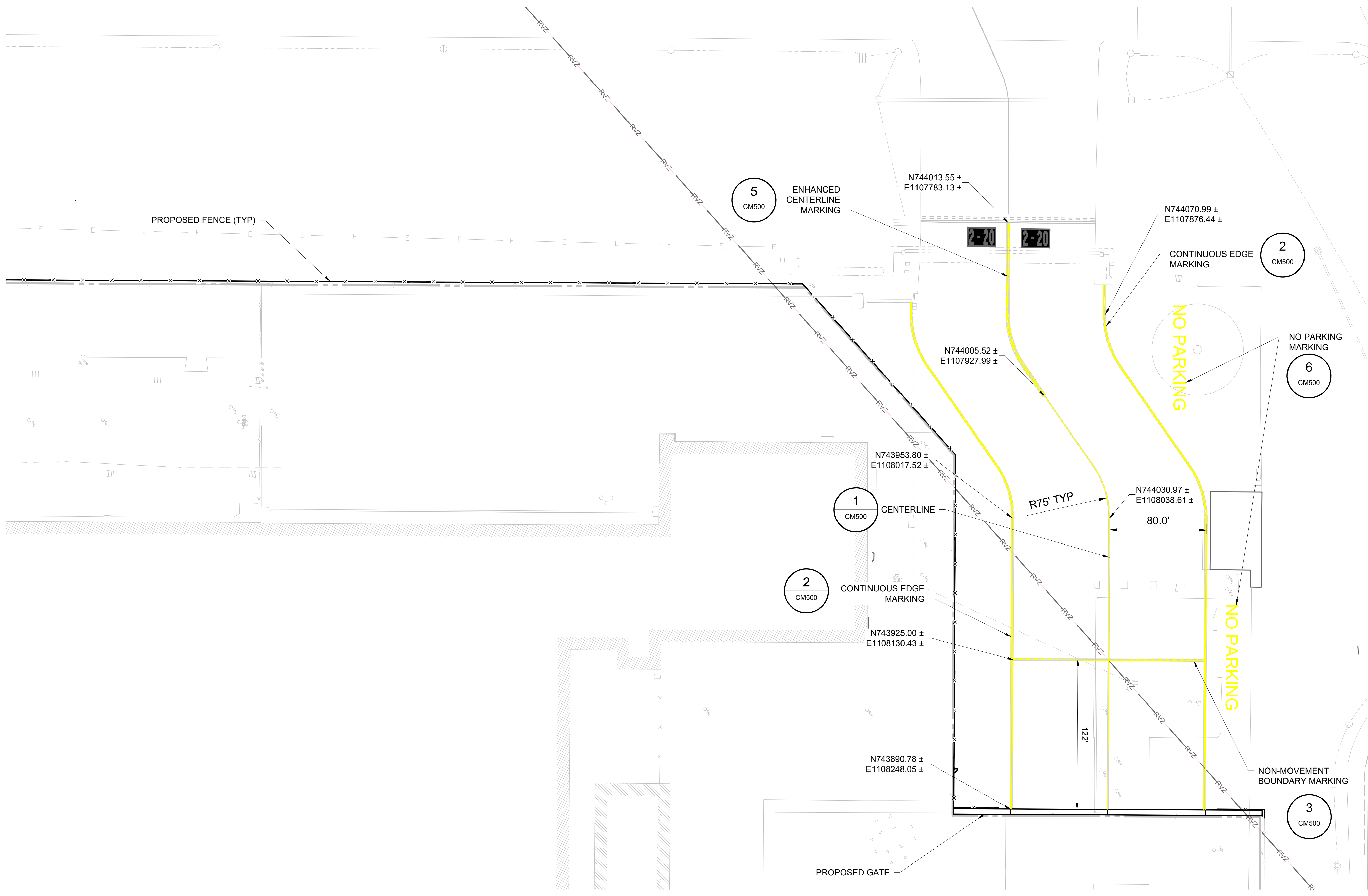
PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT  
SHEET TITLE: GATE DETAILS 3  
SCALE: N.A. DATE: JUNE 2024

FAA AIP No.: 3-24-0019-071-2024  
Bid No.: PUR-1695  
SHEET NO.: CF507  
28 OF 45



- NOTES:**
1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
  2. SEE SHEET GC101 FOR SURVEY CONTROL AND BASELINE PLAN.
  3. SEE SHEETS CF202 FOR GATE PLAN.

- LEGEND:**
- PROPOSED MARKING
  - x— PROPOSED FENCE
  - PROPOSED GATE
  - EXISTING PROPERTY LINE
  - 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



CONSULTANT:

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

SEAL:

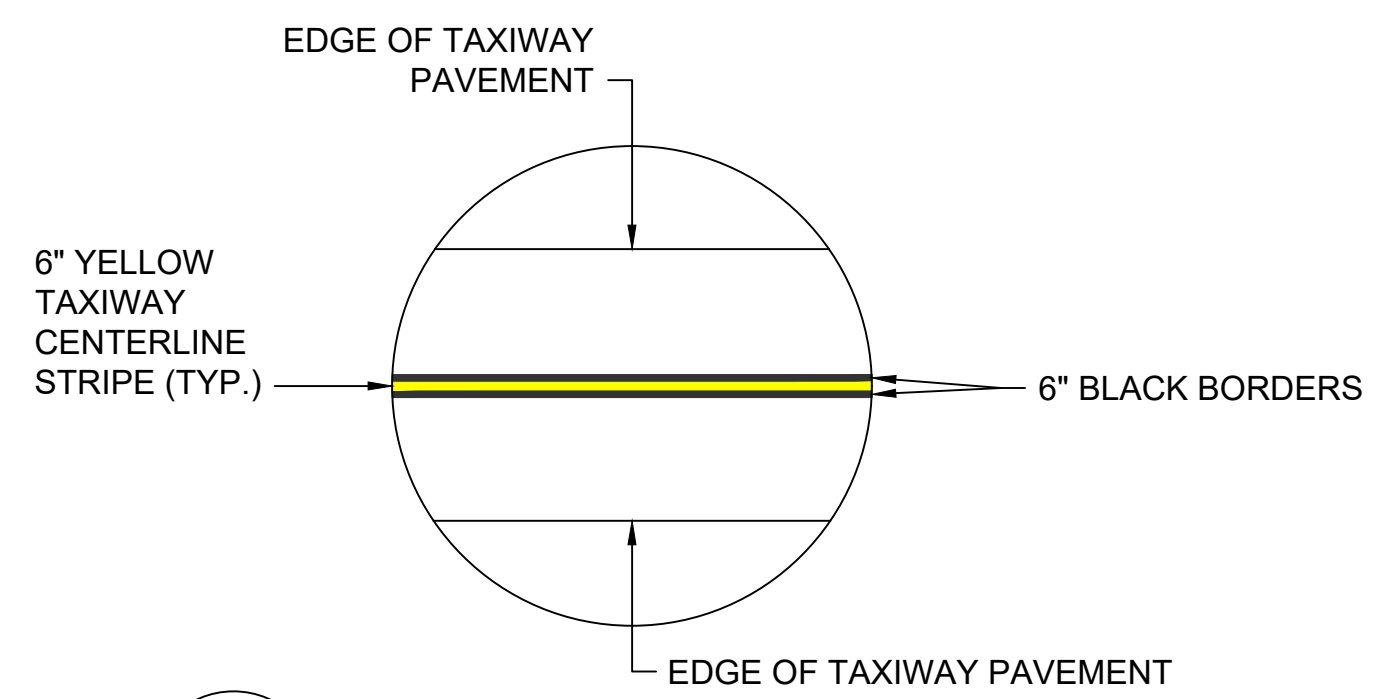
PROFESSIONAL CERTIFICATION:  
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 LICENSE NO. 32705  
 EXPIRATION DATE: 02/21/2026

| DESIGNED: | REVISION NO. | REVISION DATE | DESCRIPTIONS |
|-----------|--------------|---------------|--------------|
| B.J.D.    |              |               |              |
| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

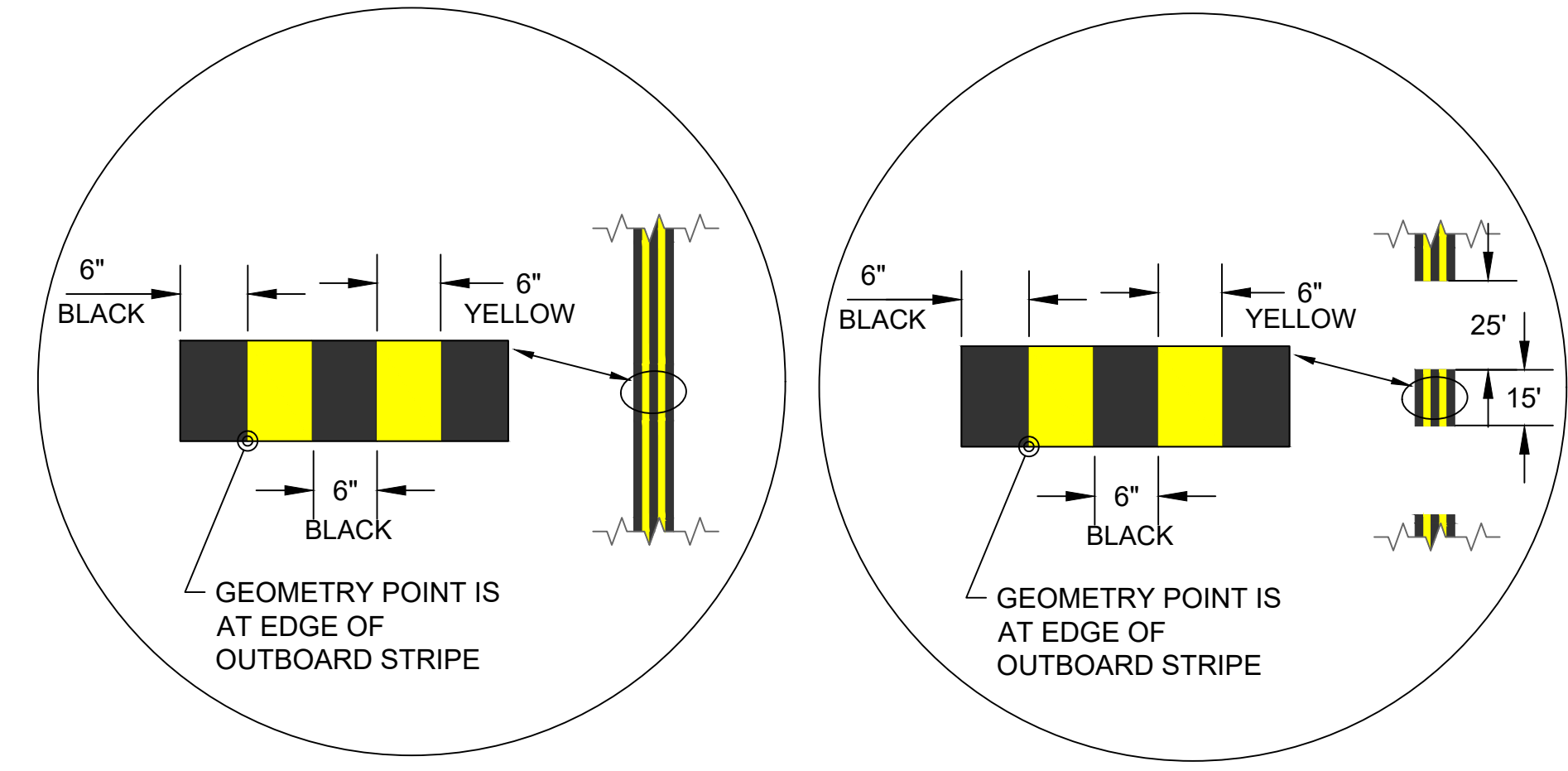
**HAGERSTOWN REGIONAL AIRPORT**  
 Washington County, MD

PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT  
 SHEET TITLE: MARKING PLAN  
 SCALE: AS SHOWN  
 DATE: JUNE 2024

FAA AIP No.: 3-240019-071-2024  
 Bid No.: PUR-1695  
 SHEET NO.: CM100  
 29 OF 45



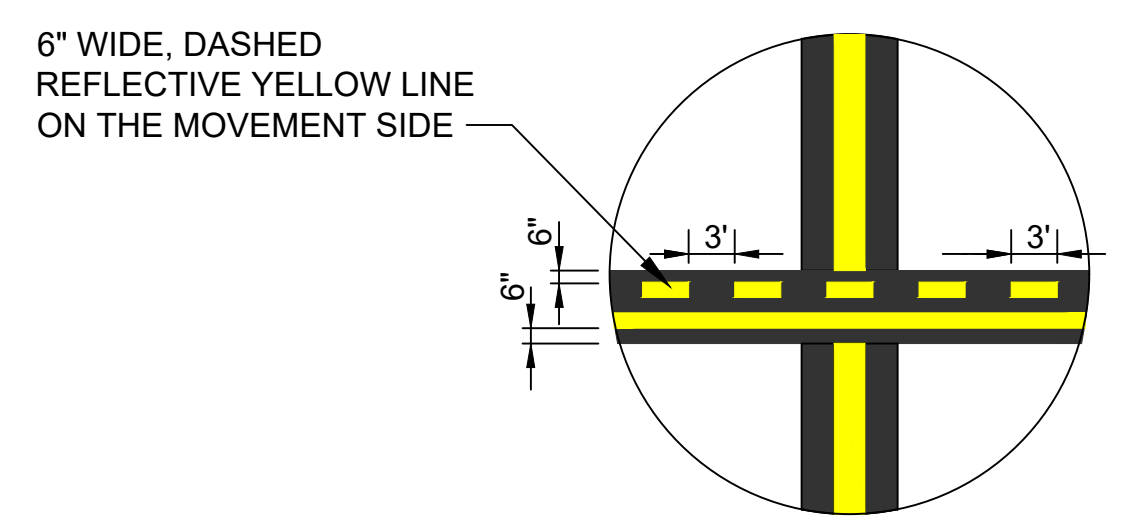
**1 TAXIWAY CENTERLINE MARKING**  
CM500 SCALE: NTS



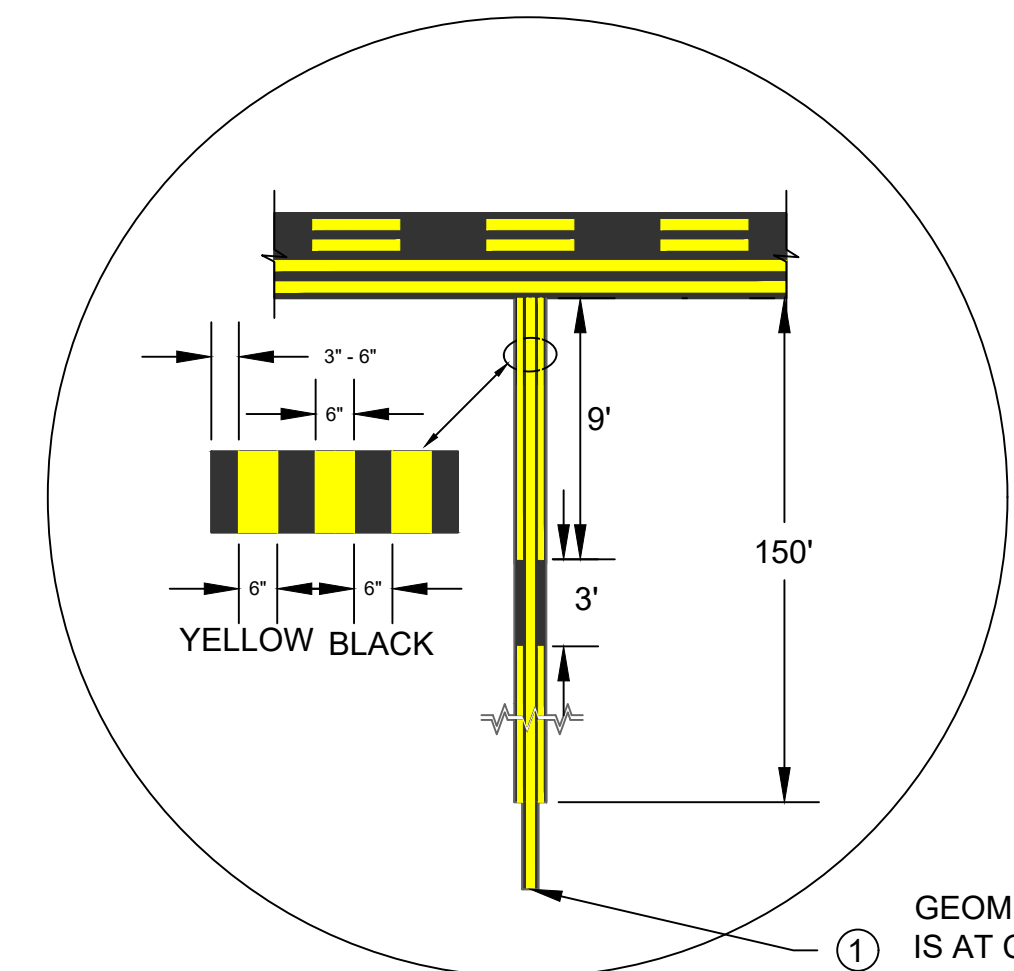
**CONTINUOUS DASHED**

- 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**  
CM500 SCALE: NTS

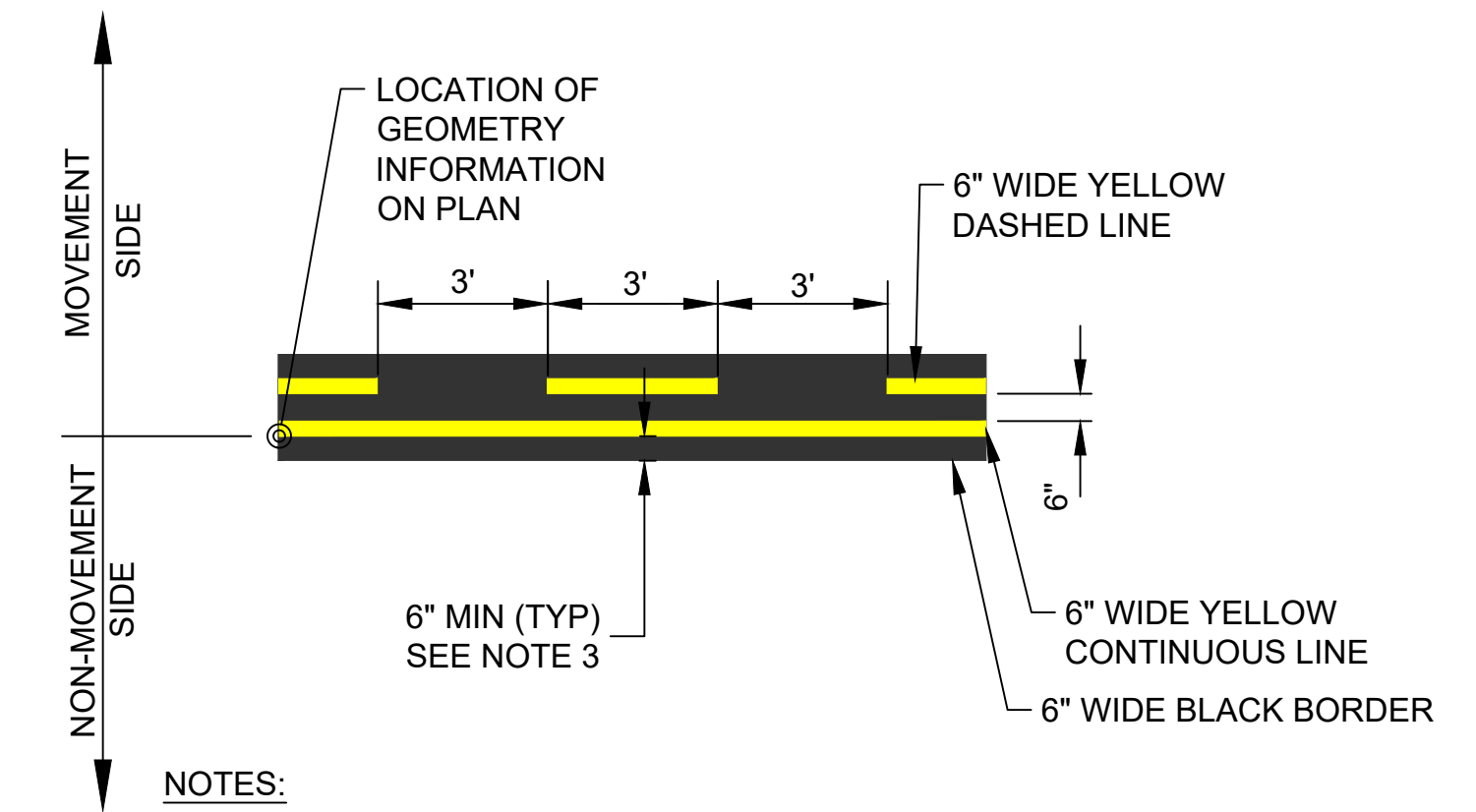


**4 NON-MOVEMENT LINE CROSSING MARKING**  
CM500 SCALE: NTS



- 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.

**5 ENHANCED TAXIWAY CENTERLINE MARKING**  
CM500 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**  
CM500 SCALE: NTS

STENCIL GAPS SHALL BE FILLED IN (WHERE APPLICABLE)

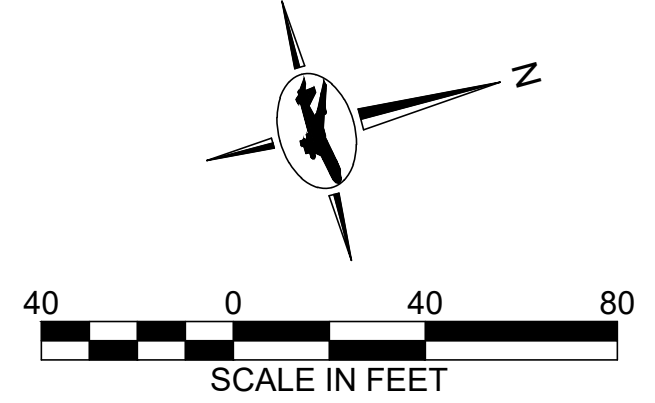
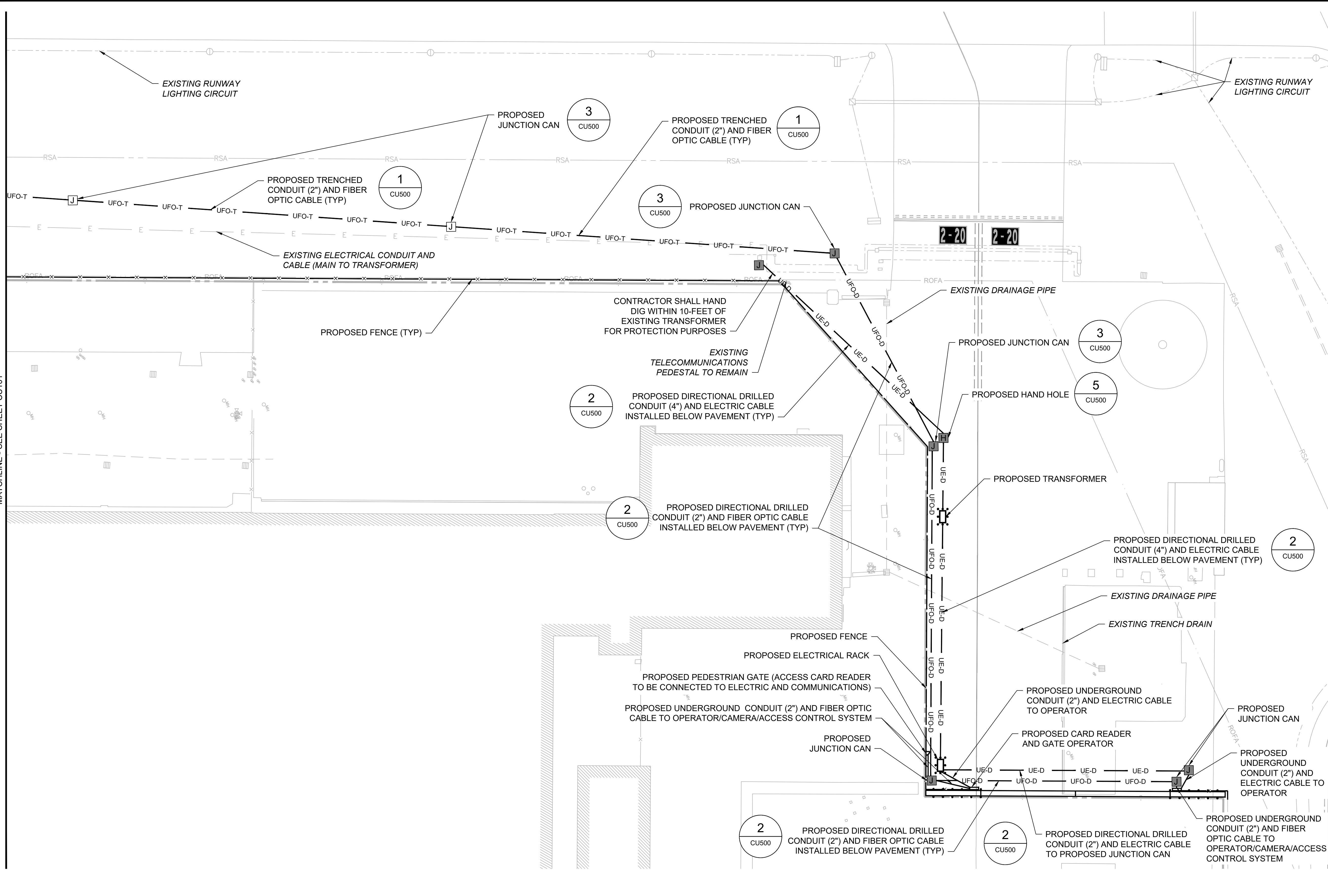
10' MIN. **NO PARKING**

- NOTES:**
1. ALL YELLOW MARKINGS SHALL HAVE REFLECTIVE MEDIA AS SPECIFIED.
  2. THIS MARKING SHALL NOT HAVE A BLACK BORDER.
  3. MARKING SHALL BE WATERBORNE.

**6 NO PARKING MARKING**  
CM500 SCALE: NTS

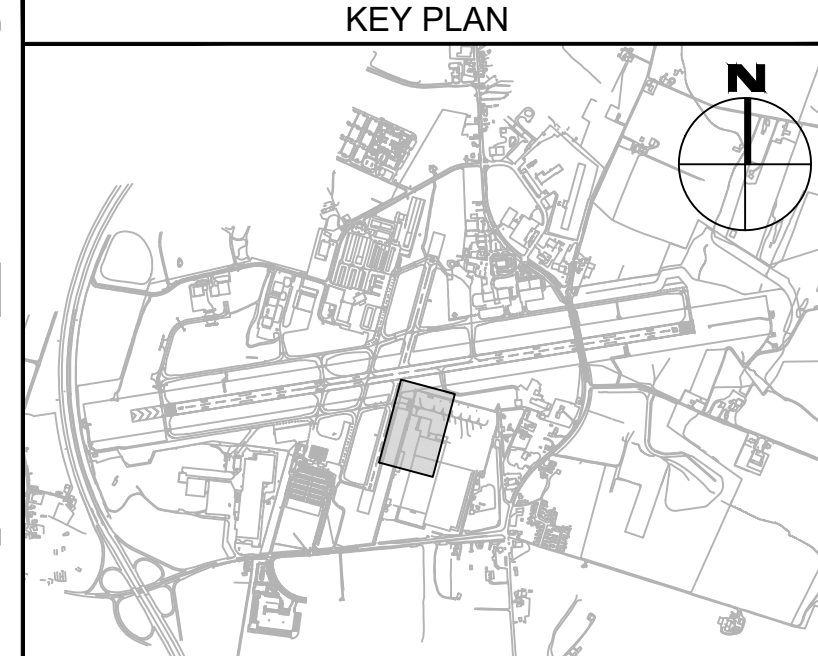
|  |  |                            |                           |                            |                      |   |  |  |
|--|--|----------------------------|---------------------------|----------------------------|----------------------|---|--|--|
| <b>CONSULTANT:</b><br><br>AIRPORT DESIGN CONSULTANTS<br>6031 UNIVERSITY BLVD, SUITE 330<br>ELLICOTT CITY, MD 21043<br>TEL: 410.465.9600<br>FAX: 410.465.9602 | <b>SEAL:</b><br><br>LICENSE NO. 32705<br>EXPIRATION DATE: 02/21/2026 | <b>DESIGNED:</b><br>B.J.D. | <b>REVISION NO.:</b>      | <b>REVISION DATE:</b>      | <b>DESCRIPTIONS:</b> | <b>PROJECT TITLE:</b><br>ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT | FAA AIP No.: 3-24-0019-071-2024<br>Bid No.: PUR-1695 |  |
|  |  | <b>DRAWN:</b><br>J.A.A.    | <b>CHECKED:</b><br>V.J.D. | <b>APPROVED:</b><br>R.N.M. |                      |   |  | <b>SHEET TITLE:</b><br>MARKING DETAILS |
| <b>HAGERSTOWN REGIONAL AIRPORT</b><br>Washington County, MD  |  |                            |                           |                            |                      | <b>SCALE:</b><br>N.A.   | <b>DATE:</b><br>JUNE 2024                            | 30 OF 45                               |

FILE NAME: O:\HGR\Projects\2023-1307 ARFF Demo-Fence\CAD\SHEETS\0030\_CM500\_MARKING DETAILS.dwg LAYOUT NAME: CM500 USER: jarden PLOTTED: Friday, June 14, 2024 - 5:20pm



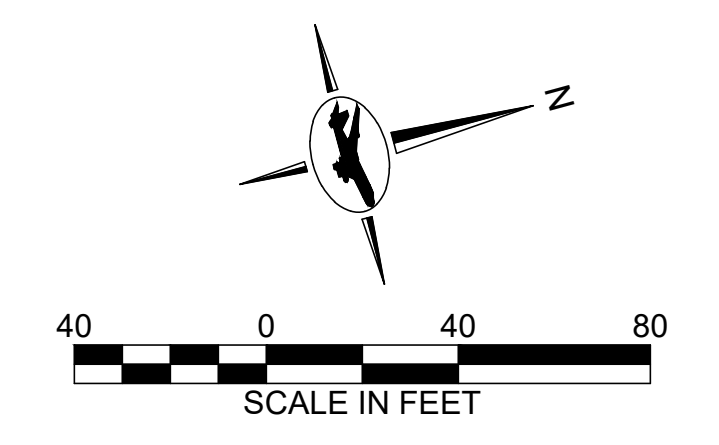
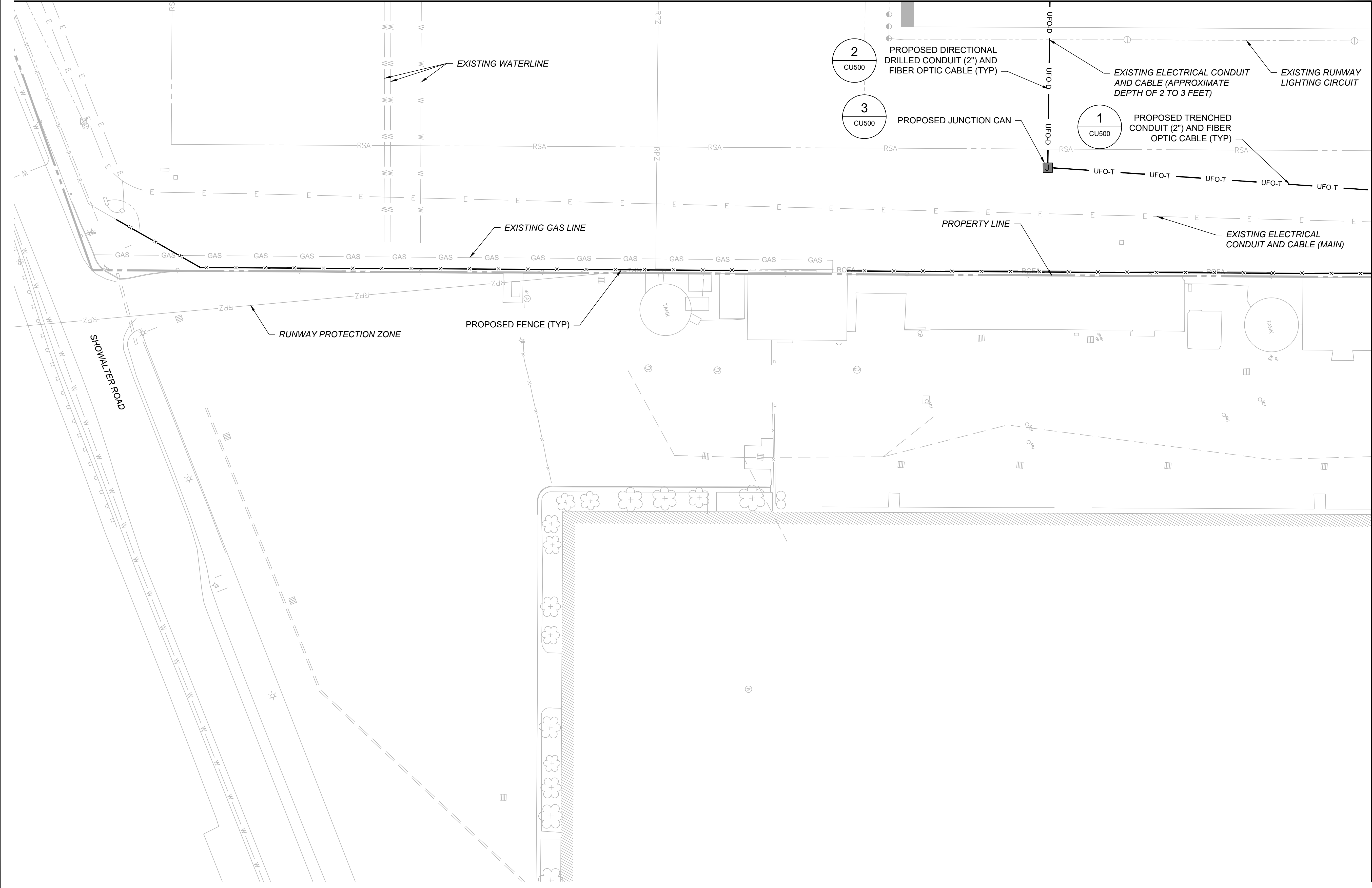
- NOTES:**
- ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
  - SEE SHEET GC101 FOR SURVEY CONTROL AND BASELINE PLAN.
  - SEE APPENDIX B OF THE PROJECT MANUAL FOR HISTORICAL GEOTECHNICAL INFORMATION.
  - THE PAVEMENT/EARTH DISTURBED WHEN INSTALLING BORE PITS/JUNCTION CANS SHALL BE REPAIRED INCIDENTAL TO THE JUNCTION CAN LINE ITEM.
  - PROVIDE AN ELECTRIC GATE LOCK WITH KEYSWITCH AND FAILSAFE CAPABILITIES (SDC GATELOK GL 263AH OR APPROVED EQUAL) INCLUDING ALL REQUIRED COMPONENTS FOR THE PEDESTRIAN GATE.

- LEGEND:**
- UE-D — PROPOSED DIRECTIONAL DRILLED UNDERGROUND ELECTRIC CABLE/CONDUIT
  - UFO-D — PROPOSED DIRECTIONAL DRILLED UNDERGROUND FIBER OPTIC CABLE/CONDUIT
  - UFO-T — PROPOSED TRENCHED UNDERGROUND FIBER OPTIC CABLE/CONDUIT
  - [J] PROPOSED JUNCTION CAN
  - PROPOSED JUNCTION CAN/BORE PIT
  - PROPOSED HAND HOLE/BORE PIT
  - EXISTING COMM MANHOLE
  - ⊙ EXISTING ELECTRICAL MANHOLE
  - ⊠ EXISTING ELECTRICAL HANDHOLE
  - ⊕ EXISTING ELECTRICAL JUNCTION BOX
  - ⊕ EXISTING ELEVATED RUNWAY EDGE LIGHT
  - ▭ EXISTING AIRFIELD GUIDANCE SIGN
  - ▭ EXISTING ELECTRICAL DUCTBANK
  - RSA — RUNWAY SAFETY AREA
  - ROFA — RUNWAY OBJECT FREE AREA
  - TSA — TAXIWAY SAFETY AREA
  - TOFA — TAXIWAY OBJECT FREE AREA



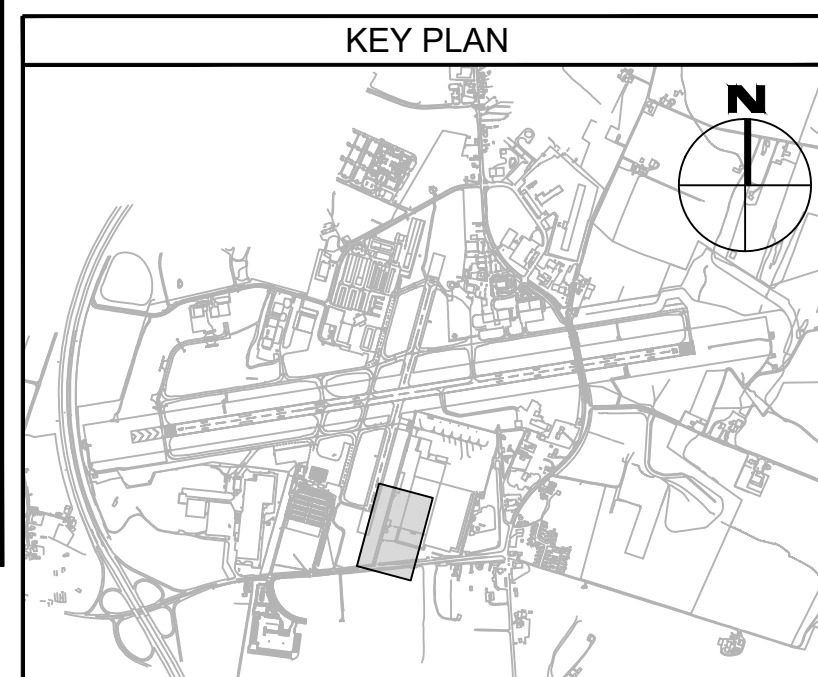
MATCHLINE - SEE SHEET CU101

|   |  |  |   |   |  |   |
|---|--|--|---|---|--|---|
| CONSULTANT:<br>AIRPORT DESIGN CONSULTANTS<br>6031 UNIVERSITY BLVD, SUITE 330<br>ELLICOTT CITY, MD 21043<br>TEL: 410.465.9600<br>FAX: 410.465.9602 | SEAL:<br>PROFESSIONAL ENGINEER<br>LICENSE NO. 32705<br>EXPIRATION DATE: 02/21/2026 | DESIGNED: B.J.D.<br>DRAWN: J.A.A.<br>CHECKED: V.J.D.<br>APPROVED: R.N.M. | REVISION NO.    REVISION DATE    DESCRIPTIONS | <b>HAGERSTOWN REGIONAL AIRPORT</b><br>Washington County, MD | PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT | FAA AIP No.: 3-240019-071-2024<br>Bid No.: PUR-1695 |
|   |  | BID DOCUMENTS  | SHEET TITLE: UTILITY PLAN 1                   |   | SHEET NO.: CU100   |   |
|   |  | SCALE: AS SHOWN  | DATE: JUNE 2024                               |   |  | 31 OF 45  |



- NOTES:**
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  - SEE SHEET GC101 FOR SURVEY CONTROL AND BASELINE PLAN.
  - SEE APPENDIX B OF THE PROJECT MANUAL FOR HISTORICAL GEOTECHNICAL INFORMATION.
  - THE PAVEMENT/EARTH DISTURBED WHEN INSTALLING BORE PITS/JUNCTION CANS SHALL BE REPAIRED INCIDENTAL TO THE JUNCTION CAN LINE ITEM.

- LEGEND:**
- UFO-D — PROPOSED DIRECTIONAL DRILLED UNDERGROUND FIBER OPTIC CABLE/CONDUIT
  - UFO-T — PROPOSED TRENCHED UNDERGROUND FIBER OPTIC CABLE/CONDUIT
  - PROPOSED JUNCTION CAN/BORE PIT
  - EXISTING COMM MANHOLE
  - ⊙ EXISTING ELECTRICAL MANHOLE
  - ⊠ EXISTING ELECTRICAL HANDHOLE
  - ⊕ EXISTING ELECTRICAL JUNCTION BOX
  - ⊙ EXISTING ELEVATED RUNWAY EDGE LIGHT
  - ⊠ EXISTING AIRFIELD GUIDANCE SIGN
  - RSA — RUNWAY SAFETY AREA
  - ROFA — RUNWAY OBJECT FREE AREA
  - TSA — TAXIWAY SAFETY AREA
  - TOFA — TAXIWAY OBJECT FREE AREA



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: 02/21/2026

| DESIGNED: | REVISION NO. | REVISION DATE | DESCRIPTIONS |
|-----------|--------------|---------------|--------------|
| B.J.D.    |              |               |              |
| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
 Washington County, MD

PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT

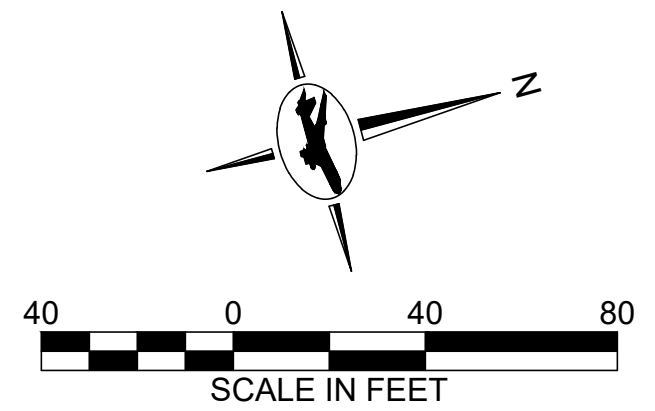
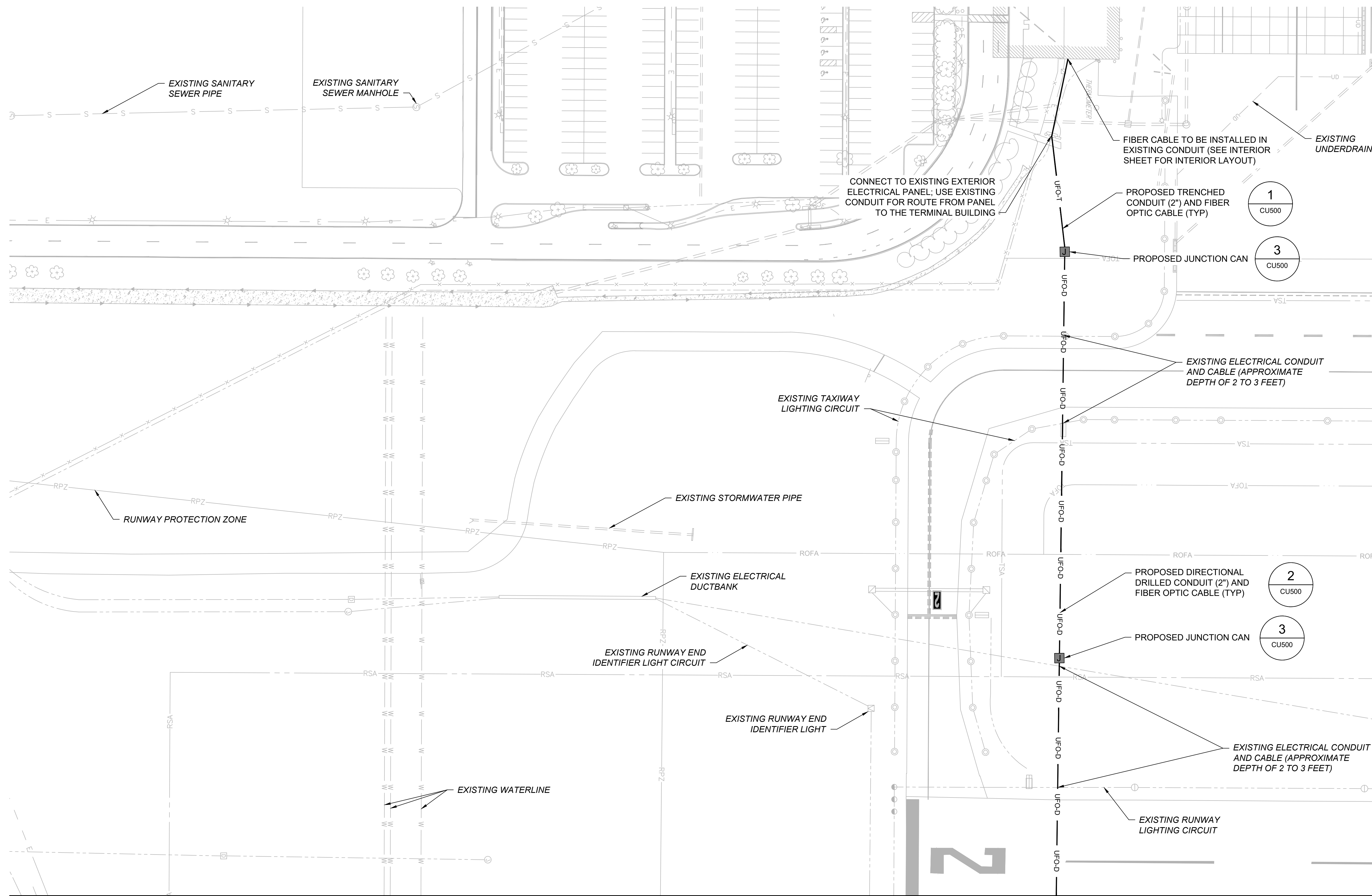
SHEET TITLE: UTILITY PLAN 2

SCALE: AS SHOWN      DATE: JUNE 2024

FAA AIP No.: 3-24-0019-071-2024  
 Bid No.: PUR-1695

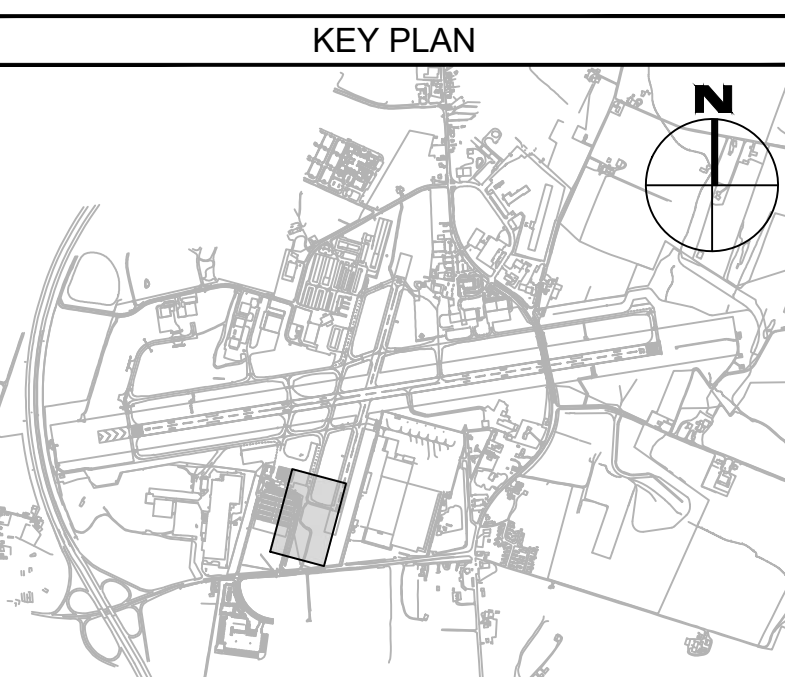
SHEET NO.: **CU101**  
 32 OF 45





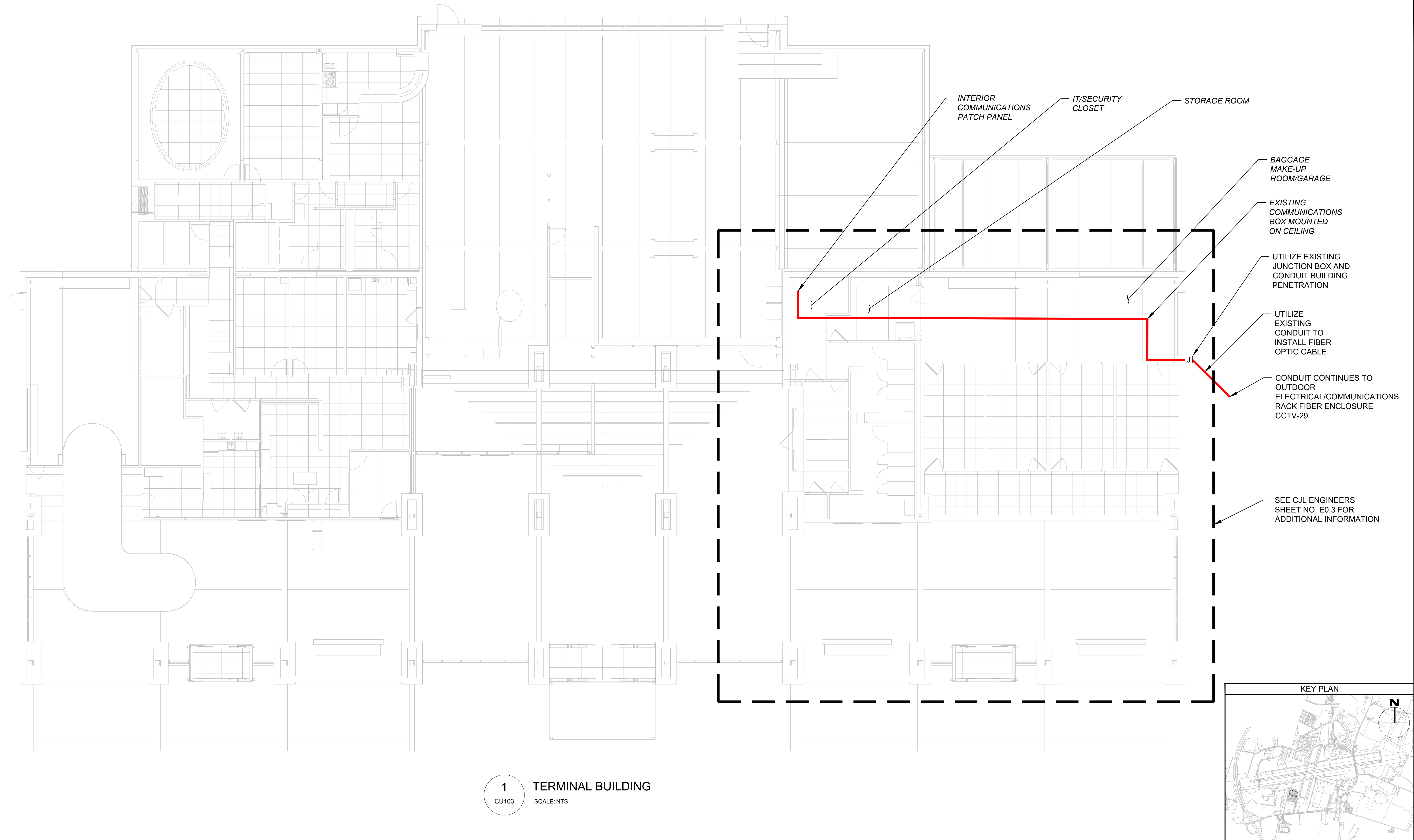
- NOTES:**
- ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
  - SEE SHEET GC101 FOR SURVEY CONTROL AND BASELINE PLAN.
  - SEE APPENDIX B OF THE PROJECT MANUAL FOR HISTORICAL GEOTECHNICAL INFORMATION.
  - THE PAVEMENT/EARTH DISTURBED WHEN INSTALLING BORE PITS/JUNCTION CANS SHALL BE REPAIRED INCIDENTAL TO THE JUNCTION CAN LINE ITEM.

- LEGEND:**
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  - UFO-T — PROPOSED TRENCHED UNDERGROUND FIBER OPTIC CABLE/CONDUIT
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  - ⊖ EXISTING ELEVATED RUNWAY EDGE LIGHT
  - ⊞ EXISTING AIRFIELD GUIDANCE SIGN
  - ▬ EXISTING ELECTRICAL DUCTBANK
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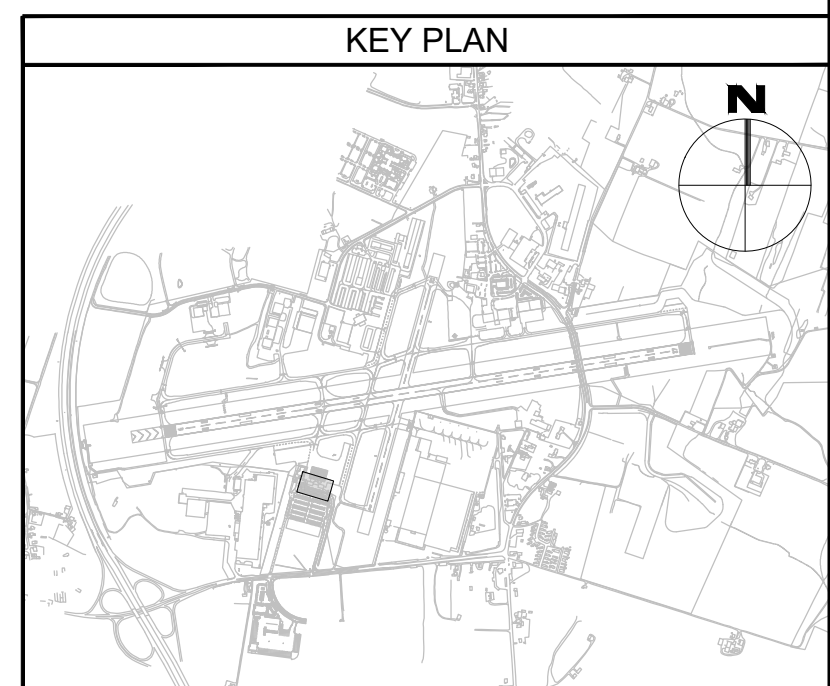


MATCHLINE - SEE SHEET CU101

|   |           |   |   |              |               |  |   |   |  |   |
|---|-----------|---|---|--------------|---------------|--|---|---|--|---|
| CONSULTANT:<br><br>AIRPORT DESIGN CONSULTANTS<br>6031 UNIVERSITY BLVD, SUITE 330<br>ELLICOTT CITY, MD 21043<br>TEL: 410.465.9600<br>FAX: 410.465.9602 | SEAL:<br> | PROFESSIONAL CERTIFICATION:<br>"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"<br>LICENSE NO. 32705<br>EXPIRATION DATE: 02/21/2026 | DESIGNED:<br>B.J.D.   | REVISION NO. | REVISION DATE | DESCRIPTIONS<br><div style="text-align: center; font-size: 2em; opacity: 0.5;">BID DOCUMENTS</div> | <b>HAGERSTOWN REGIONAL AIRPORT</b><br>Washington County, MD | PROJECT TITLE:<br><b>ARFF BUILDING DEMOLITION;<br/>         AOA FENCE/ACCESS GATE REALIGNMENT</b> |  | FAA AIP No.: 3-240019-071-2024<br>Bid No.: PUR-1695 |
|   |           |   | DRAWN:<br>J.A.A.<br>CHECKED:<br>V.J.D.<br>APPROVED:<br>R.N.M. |              |               |  |   | SHEET TITLE:<br><b>UTILITY PLAN 3</b>   |  | SHEET NO.:<br><b>CU102</b><br>33 OF 45              |
|   |           |   |   |              |               |  | SCALE:<br>AS SHOWN  | DATE:<br>JUNE 2024  |  |   |



**1** TERMINAL BUILDING  
 CU103 SCALE: NTS



CONSULTANT:

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 ELLICOTT CITY, MD 21043  
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| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
 Washington County, MD

PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT

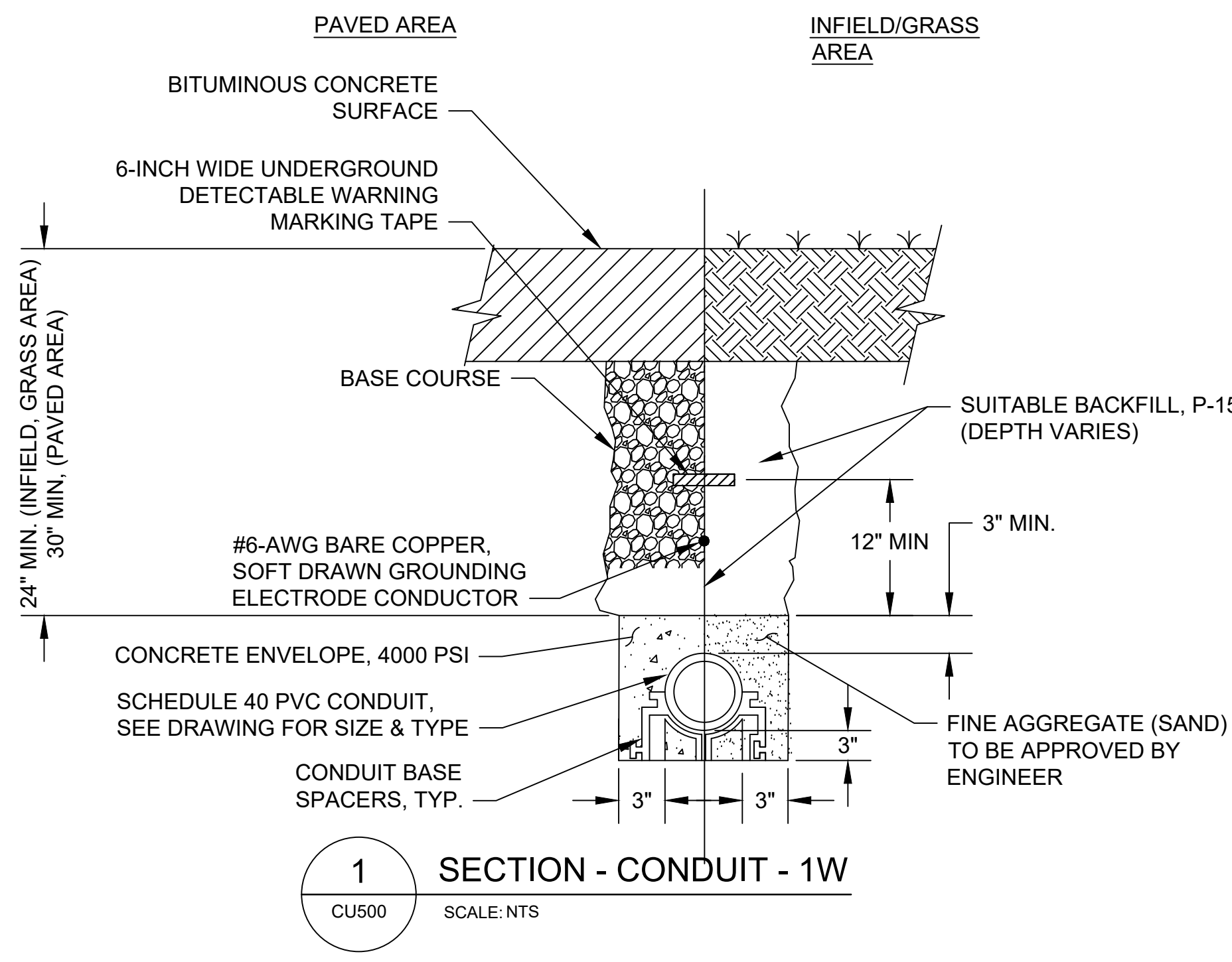
SHEET TITLE: UTILITY PLAN 4

SCALE: AS SHOWN

DATE: JUNE 2024

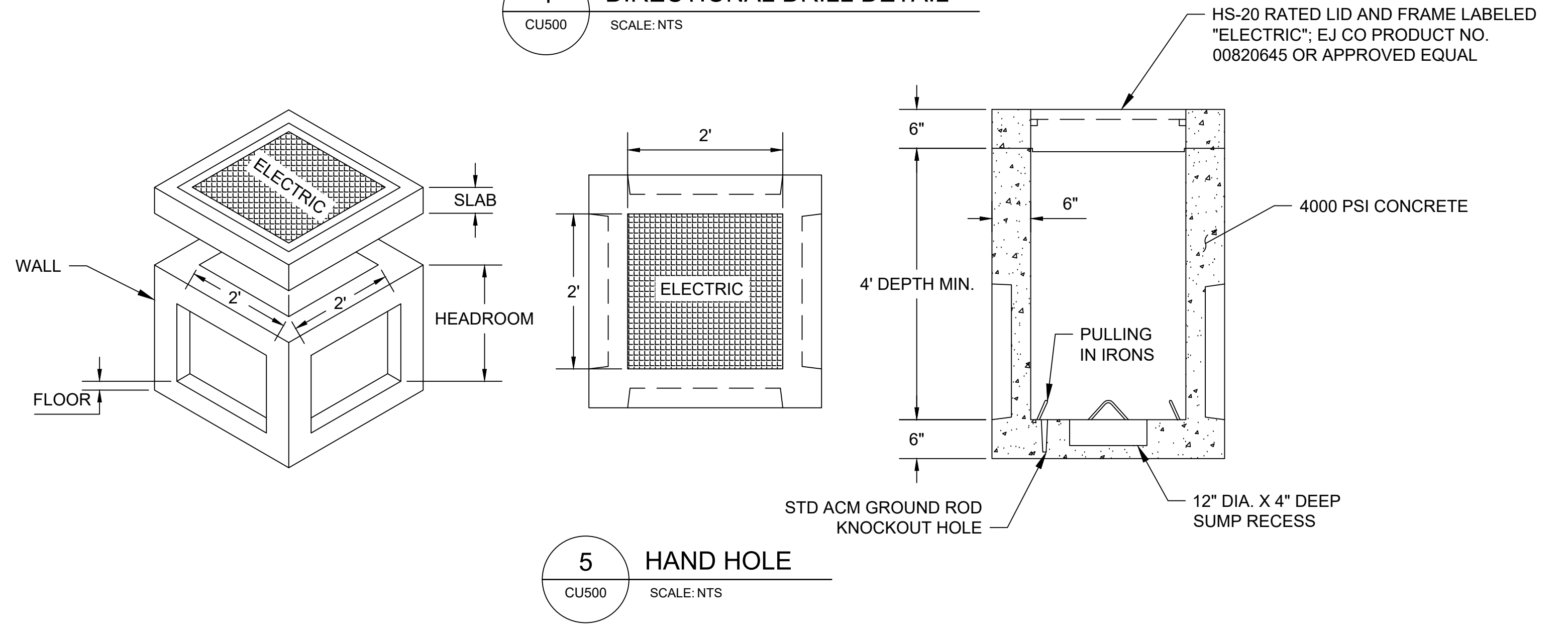
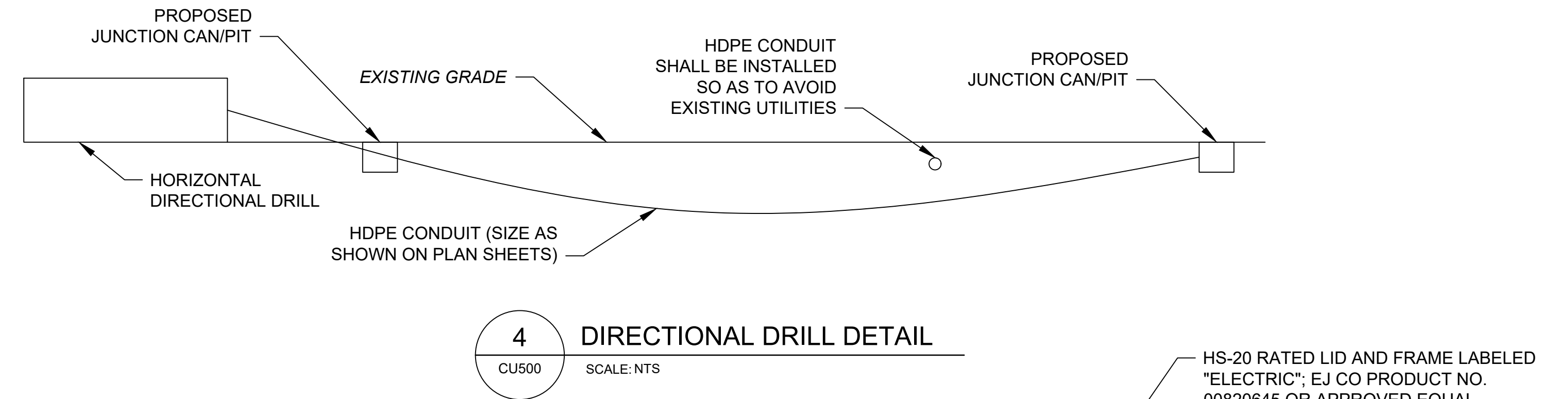
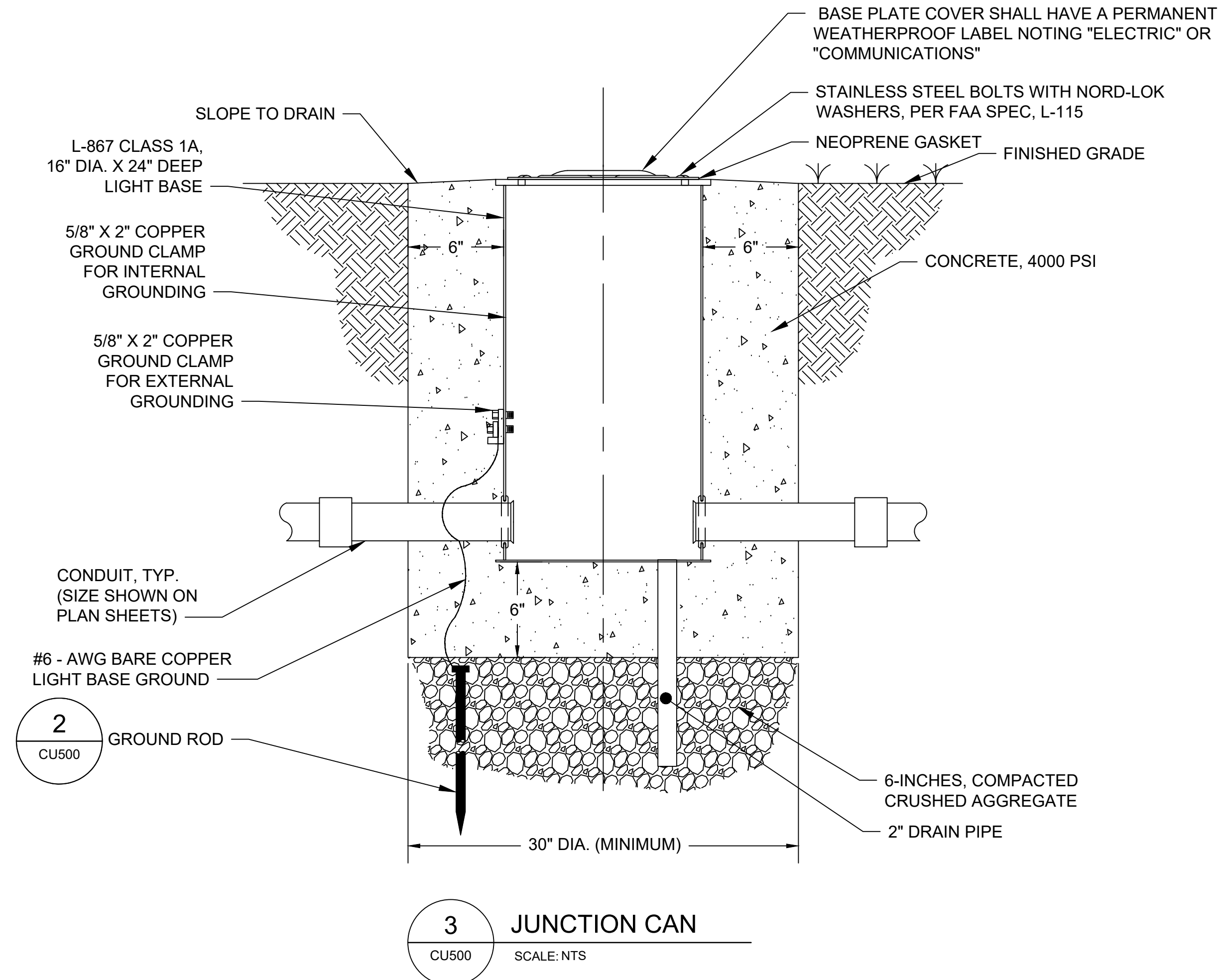
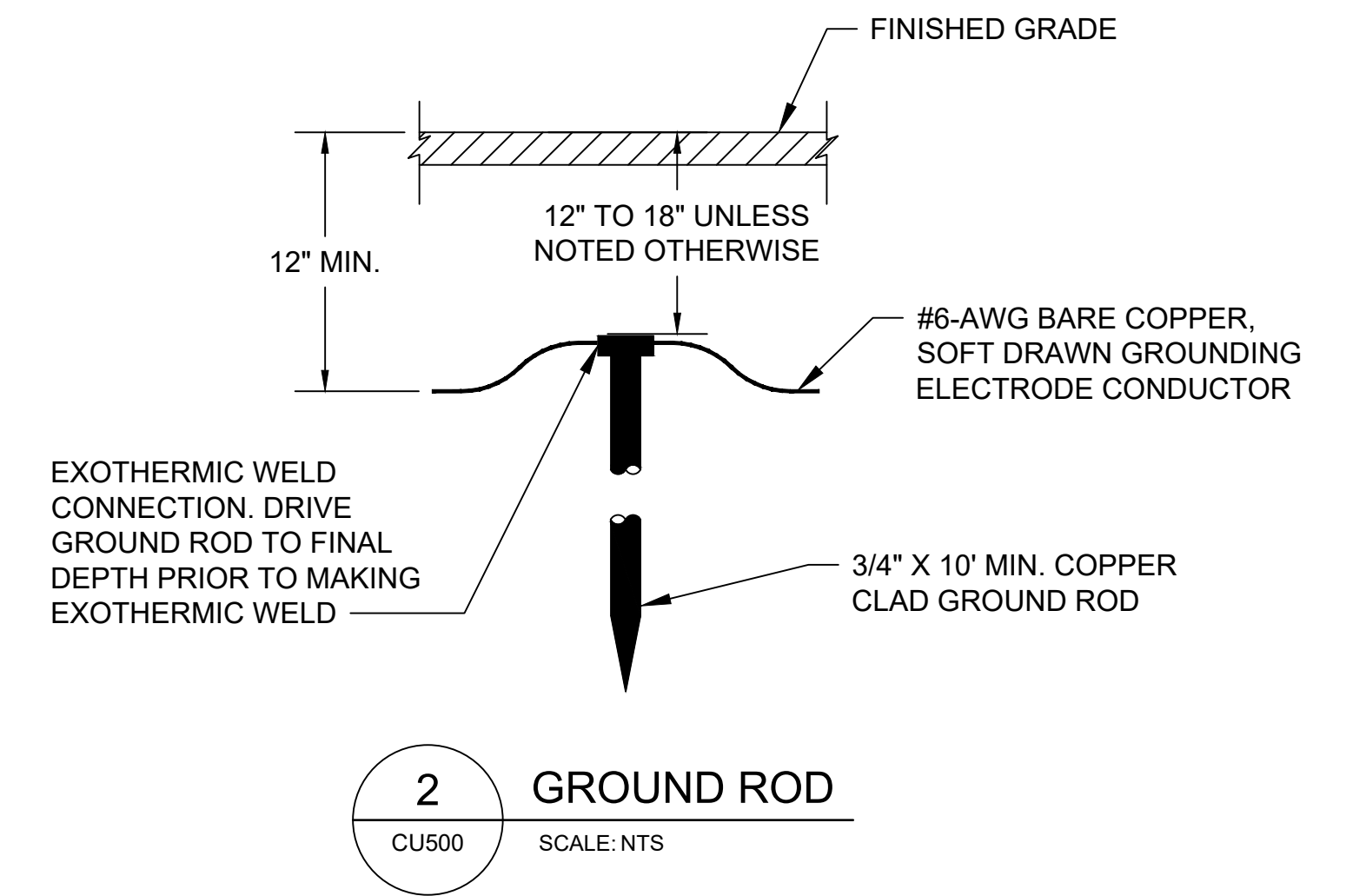
FAA AIP No.: 3-24-0019-071-2024  
 Bid No.: PUR-1695

SHEET NO.: **CU103**  
 34 OF 45



DETAIL 1 NOTES:

- MINIMUM EARTH COVER OVER COMPLETED DUCT BANK CONCRETE ENVELOPE SHALL BE NOT LESS THAN 24-INCHES.
- THE DUCT BANK SHALL BE ASSEMBLED WITH THE JOINTS STAGGERED BY AT LEAST 3-INCHES IN THE HORIZONTAL AND VERTICAL PLANES SO THAT NO TWO JOINTS IN THE CLUSTER OF JOINTS ALIGN.
- FOR TEN-FOOT LENGTHS OF DUCT, DUCT SPACER ASSEMBLIES SHALL BE PLACED AT 2'-6" ON EITHER SIDE OF THE MID-POINT OF EACH JOINT CLUSTER. FOR TWENTY-FOOT LENGTHS OF DUCT, IN ADDITION TO DUCT SPACER ASSEMBLIES BEING PLACED 2'-6" FROM THE MID-POINT OF THE JOINT CLUSTER AT EACH END, INSTALL SPACER ASSEMBLIES AT 5'-0" INTERVALS BETWEEN THE END SPACERS.
- DURING DUCT BANK CONCRETE ENVELOPE INSTALLATION, DUCT ASSEMBLY ENDS SHALL BE CLOSED WITH PULL TAB EQUIPPED PUSH-IN POLYVINYL CHLORIDE (PVC) PLASTIC DUCT PLUGS TO PREVENT SOIL, WATER OR CONCRETE ENTRY.
- DURING THE CONCRETE POUR, PROTECT THE DUCTS; DO NOT PERMIT THE CONCRETE TO FALL DIRECTLY ONTO THE DUCTS. INSTEAD, FLOW THE CONCRETE ONTO A WOODEN PLANK OR PLYWOOD SHEET AND THEN SPREAD THE CONCRETE INTO PLACE. VIBRATE TO REMOVE EXCESS AIR, BUT DO NOT PERMIT THE CONCRETE VIBRATOR TO COME INTO CONTACT WITH THE DUCTS.
- AFTER DUCT BANK INSTALLATION IS COMPLETE, A VERIFICATION MANDRILL 12-INCHES LONG AND NOT MORE THAN 1/4-INCH DIAMETER SMALLER THAN THE TRADE SIZE DIAMETER OF THE DUCT SHALL BE DRAWN THROUGH EACH DUCT TO INSURE THAT DUCT HAS NOT BEEN DEFORMED. WHEREVER A DUCT IS FOUND NOT TO BE ABLE TO PASS THE MANDRILL TEST, THE CONTRACTOR, AT NO ADDITIONAL COST TO THE CONTRACT, SHALL INSTALL A REPLACEMENT FOR EACH FAILED DUCT.
- AFTER THE MANDRILL HAS BEEN DRAWN THROUGH THE DUCTS AND BEFORE ANY CABLES ARE DRAWN INTO THE DUCTS, A DUCT BRUSH AND SWAB SHALL BE PULLED THROUGH EACH DUCT TO INSURE THAT THE DUCT INTERIOR IS CLEAN. REPLACE DUCT PLUGS IN THE ENDS OF UNUSED DUCTS.
- INSTALL RAYCHEM RAYFLAT DUCT SEALING SYSTEM OR AN APPROVED EQUAL WITHIN DUCTS ENTERING AND LEAVING THE NEW MANHOLE AND/OR HANDHOLE. THE CONTRACTOR IS RESPONSIBLE FOR SEALING ALL DUCTS, BOTH PERMANENTLY AND TEMPORARILY AFTER EACH MANHOLE AND/OR HANDHOLE OR LIGHT BASE IS CLEANED.
- CONTRACTOR SHALL USE MANUFACTURED ELBOWS FOR STUB-UPS AT EQUIPMENT AND AT BUILDING ENTRANCES. USE MANUFACTURED LONG SWEEP BENDS WITH A MINIMUM RADIUS OF 5-FEET HORIZONTALLY AND VERTICALLY AT OTHER PLACES.
- COUNTERPOISE WIRE SHALL BE INSTALLED 8 INCHES MINIMUM ABOVE CONDUIT. THE HEIGHT OF THE COUNTERPOISE SHALL BE CALCULATED TO ENSURE THE CONDUIT TO BE PROTECTED ARE WITHIN A 45 DEGREE ZONE OF PROTECTION BELOW THE COUNTERPOISE.
- WHERE ENCOUNTERED, EXISTING COUNTERPOISE SHALL BE BONDED TO NEW COUNTERPOISE.
- GLUE TO BE COMPATIBLE PER PIPE MANUFACTURER'S RECOMMENDATIONS.
- ALL CONDUITS TO BE SCHEDULE 40 OR 80 AS PER SPEC BELL END, MINIMUM 10' LENGTHS.
- INSTALL A PULL ROPE (1800-POUND MIN. TENSILE STRENGTH) IN EACH CONDUIT TO EACH STRUCTURE AND TERMINAL END. PROVIDE 10' SLACK AT EACH.



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LICENSE NO. 32705  
EXPIRATION DATE: 02/21/2026

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| DRAWN:    |              |               |              |
| J.A.A.    |              |               |              |
| CHECKED:  |              |               |              |
| V.J.D.    |              |               |              |
| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |

**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

|                |  |
|----------------|--|
| PROJECT TITLE: | ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT |
| SHEET TITLE:   | UTILITY DETAILS 1  |
| SCALE:         | N.A.   |
| DATE:          | JUNE 2024  |

FAA AIP No.: 3-24-0019-071-2024  
Bid No.: PUR-1695

SHEET NO.:  
**CU500**  
35 OF 45



UTILIZE EXISTING CONDUIT TO INSTALL FIBER CABLE INTO BUILDING

1  
CU501

**OUTDOOR ELECTRICAL / COMMUNICATIONS RACK**

SCALE: NTS



UTILIZE EXISTING CONDUIT TO INSTALL FIBER CABLE INTO BUILDING

2  
CU501

**EXTERIOR TERMINAL WALL**

SCALE: NTS

UTILIZE EXISTING CONDUIT TO INSTALL FIBER CABLE INTO BUILDING

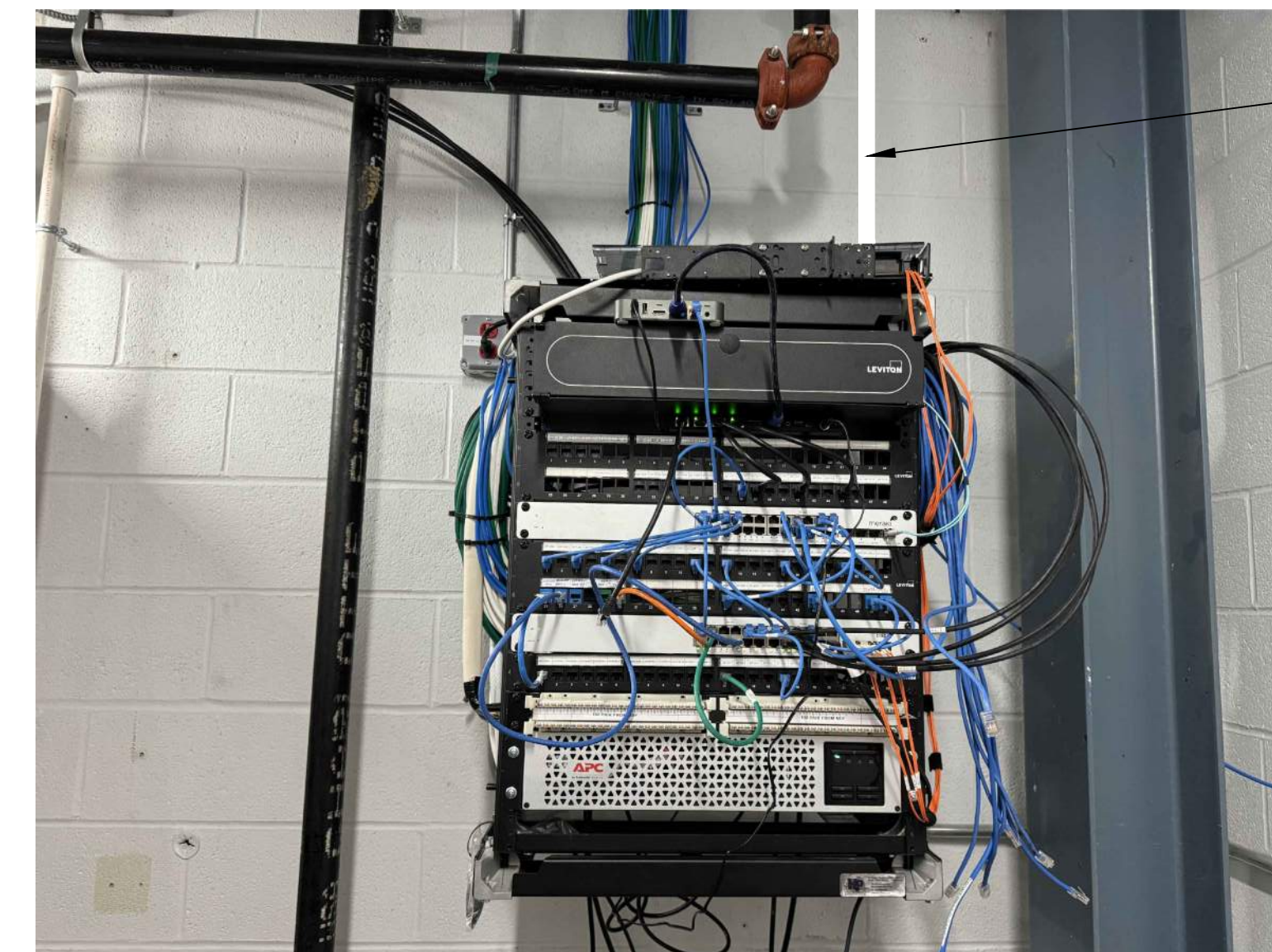


INSTALL PROPOSED 2" SCH. 40 PVC CONDUIT FROM EXISTING UTILITY BOX TO INTERIOR SECURITY PATCH PANEL

3  
CU501

**GARAGE INTERIOR**

SCALE: NTS



INSTALL PROPOSED 2" SCH. 40 PVC CONDUIT FROM EXISTING UTILITY BOX TO INTERIOR SECURITY PATCH PANEL

4  
CU501

**INTERIOR SECURITY PATCH PANEL**


SCALE: NTS

CONSULTANT:



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ELLCOTT CITY, MD 21043  
TEL: 410.465.9600  
FAX: 410.465.9602

SEAL:



STATE OF MARYLAND  
WORLD N. MOORE  
PROFESSIONAL ENGINEER  
NO. 32705  
6/17/24

PROFESSIONAL CERTIFICATION:  
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| APPROVED: |              |               |              |
| R.N.M.    |              |               |              |



**HAGERSTOWN REGIONAL AIRPORT**  
Washington County, MD

|                |  |                 |
|----------------|--|-----------------|
| PROJECT TITLE: | ARFF BUILDING DEMOLITION;<br>AOA FENCE/ACCESS GATE REALIGNMENT |                 |
| SHEET TITLE:   | UTILITY DETAILS 2  |                 |
| SCALE:         | N.A.   | DATE: JUNE 2024 |

|  |
|--|
| FAA AIP No.: 3-24-0019-071-2024<br>Bid No.: PUR-1695 |
| SHEET NO.:<br><b>CU501</b>                           |
| 36 OF 45   |