



PURCHASING DEPARTMENT
DIVISION OF BUDGET & FINANCE

PUR-1695
ADDENDUM NO. 1
INVITATION TO BID

ARFF BUILDING DEMOLITION;
AOA FENCE/ACCESS GATE REALIGNMENT

DATE: Friday, July 5, 2024

BIDS DUE: Wednesday, July 10, 2024
2:00 P.M.(EDT/EST)

To Bidders:

This Addendum is hereby made a part of the Contract Documents on which all bids will be based and is issued to correct and clarify the original documents.

Please acknowledge receipt of this Addendum at the appropriate space on the Proposal Form. This Addendum consists of three (3) pages and two (2) attachments.

NOTE: All Bidders must enter the Washington County Administration Complex through either the front door at the 100 West Washington Street entrance or through the rear entrance (w/blue canopy roof) which is handicap accessible and must use the elevator to access the Purchasing Department to submit their bid and/or to attend the Pre-Bid Conference. Alternate routes are controlled by a door access system. The general public will be subject to wand search and will be required to remove any unauthorized items from the building prior to entry. Prohibited items include but are not limited to: Weapons of any type; Firearms, ammunition, and explosive devices; Cutting instruments of any type - including knives, scissors, box cutters, work tools, knitting needles, or anything with a cutting edge, etc.; Pepper spray, mace, or any other chemical defense sprays; and Illegal substances.

ITEM NO. 1: *Inquiry:* It seems I may have missed the virtual call. Was it recorded or is there a way I can get what was discussed.

Response: There were no questions from those who attended the pre-conference meeting.

ITEM NO. 2: *Inquiry:* We see the summary describing the ACS and VMS portion of the scope but it does not include the drawing that specify what/where devices go. Can you guide me where to obtain these documents.

Response: We have included the Electrical/Utility drawings provided by CJL Engineering. Please INSERT Sheets 37 to 45 to the end of the drawing set.

ITEM NO. 3: *Inquiry:* we saw in the specifications that you have a directory of DBE companies. Could you please share that with us to aid in our bidding process?

Response: The weblink below contains the Maryland DBE directory. Please look for the directory button on the left-hand side of the page.
<https://mbe.mdot.maryland.gov/apply/>

ITEM NO. 4: *Inquiry:* Do you have existing grading plans or information on existing grades in the area of the new 160' gate? The new gate has a very small tolerance for slope, the concrete foundation / track must be installed with a maximum slope of 1.5" per every 10' of track. It is our understanding that the existing asphalt in the area of the new gate location contains slopes greater than this allowance. This could require significant changes to existing grades and significant amounts of new paving to prevent to provide gradual transitions between existing pavement and the proposed gate track.

Response: We have included the site-specific grading plans that were utilized to obtain the grading permit. Please INSERT Sheets 37-41 which are provided by Fox & Associates, Inc. There will not be significant changes of grades needed in the proposed area of the 160' gate opening, however, there may be some minor transitional milling and/or paving required to tie portions of the proposed concrete gate foundation and existing grades together. This was called out on Note 5. of Sheet CF202 and is incidental to the installation of the gate.

ITEM NO. 5: *Inquiry:* Will you consider allowing additional time to complete the project? The General Conditions – section 17 states the job must be completed within 56 days of the NTP. However the phasing schedule – Phase 2.3 (as noted on pg-7: Construction Safety and Phasing Plan – CSPP) only allows 15 days for the installation of the fence and gates and demo of existing fence. We request the full 56 calendar days to complete the work – after NTP and approved submittals.

Response: The total contract time is 56 calendar days which will start after the Notice to proceed (NTP) and when the Contractors project operations commence on-site. Construction must begin within 10 days of the NTP date. Additionally, all phases can be completed concurrently and utilize the entire contract time with a few restrictions. Phase 3 will be limited to 5 calendar days so the work occurring between the Runway and Taxiway is minimized. The Contractor can also request a stop and start work order for the times when the museum is holding events (Airplane Days and Wings and Wheels). Please REPLACE Sheets 8-10 which are included with this addendum.

ITEM NO. 6: *Inquiry:* The new 160' slide gate has a lead-time of 14 weeks – after approved submittals. Installation of 90% of the new fence & demo of existing fence could easily take place during the gate lead-time period. But this would mean total time between the start & end of the project would be well more than 56 days. Will the airport be

open to a phased installation schedule, or will the fence installation need to coincide with the installation of the gate?

Response: The airport would be open to a phased installation schedule; this was discussed at the pre-bid meeting. ADCI mentioned that the 160' gate does not need to be installed to maintain security during construction since the existing 160' gate is not operational. Therefore, the Contractor could complete all the other portions of the project and decide to complete the 160' gate at the end or when it arrives. A start/stop work order could be requested if a delay in arrival occurs with this gate.

ITEM NO. 7: Inquiry: Will you consider extending the bid opening date by 1 week – to allow adequate time after issuing RFI / Add. #1 to complete our bids?

Response: We will not consider extending the bid date since the grant applications for funding are due by the end of that week.

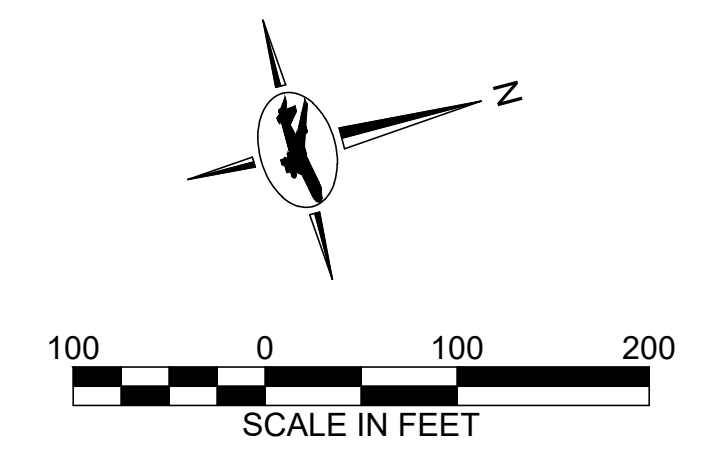
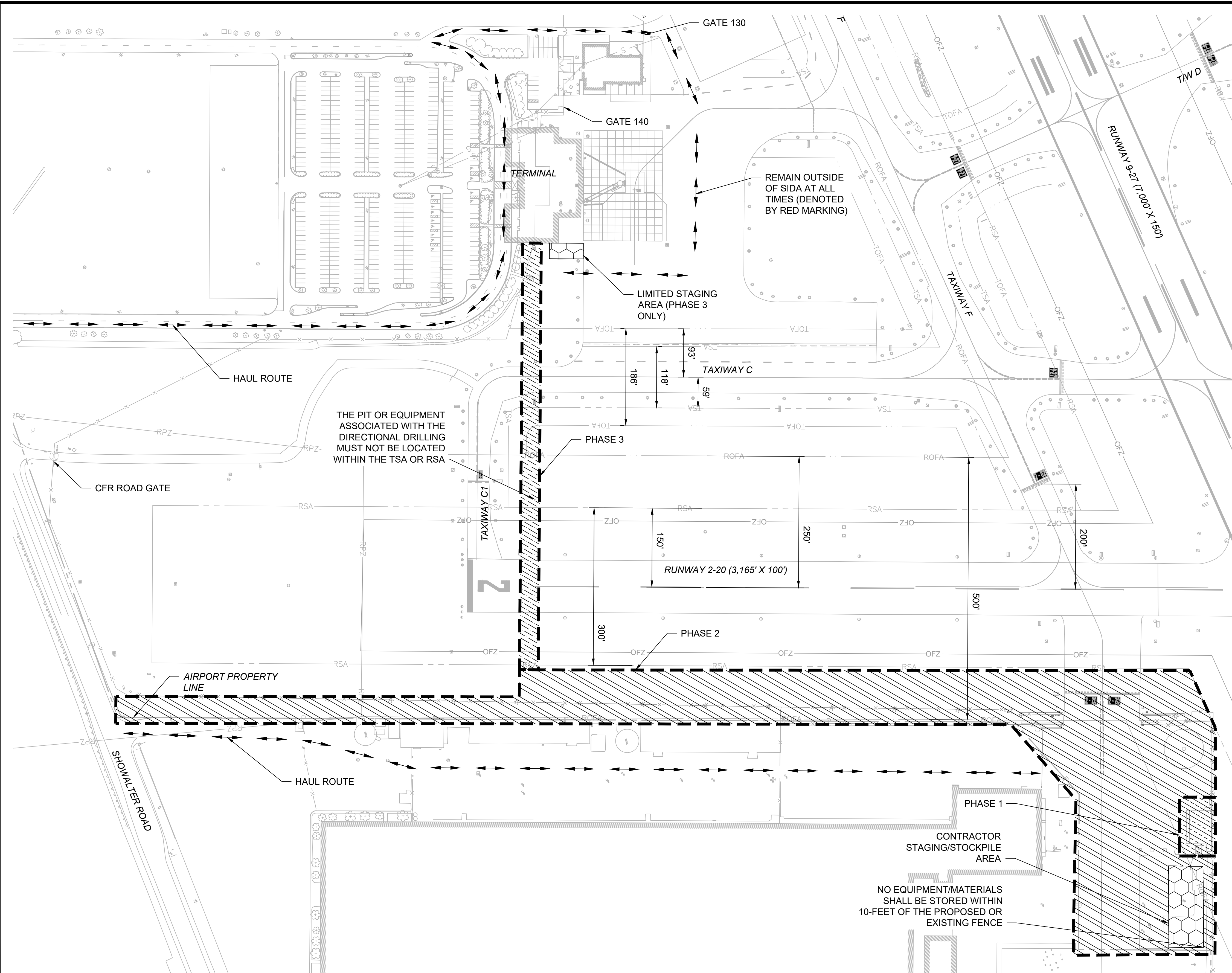
ATTACHMENTS:

1. Contract Drawings, Sheets 8 to 10
2. Contract Drawings, Sheets 37 to 45

By Authority of:



Rick F. Curry, CPPO
Director of Purchasing



- 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.

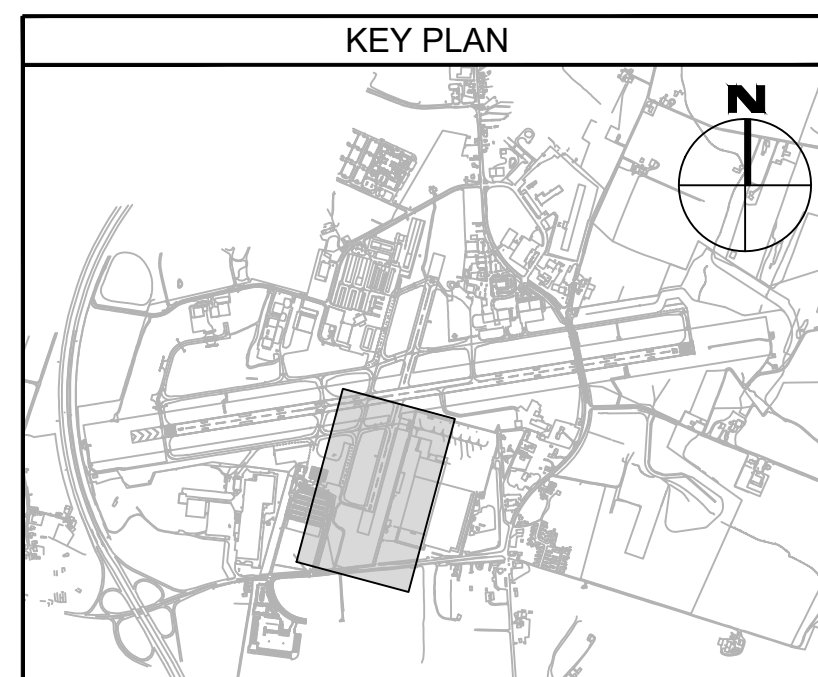
CONSTRUCTION WORK HOURS:
NO RESTRICTIONS

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*
TOTAL WORKING DAYS	40
NON-WORK (WEEKEND/WEATHER) DAYS	16
TOTAL CALENDAR DAYS	56

* PHASE 3 MUST BE COMPLETED WITHIN 5 CALENDAR DAYS
** PHASES 1 AND 2 MAY BE COMPLETED CONCURRENTLY WITH ALL OTHER PHASES OR SEPARATELY. THE MAIN REQUIREMENT IS THAT THEY MUST BE COMPLETED WITHIN THE 56 CALENDAR DAY RESTRICTION.

- 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:

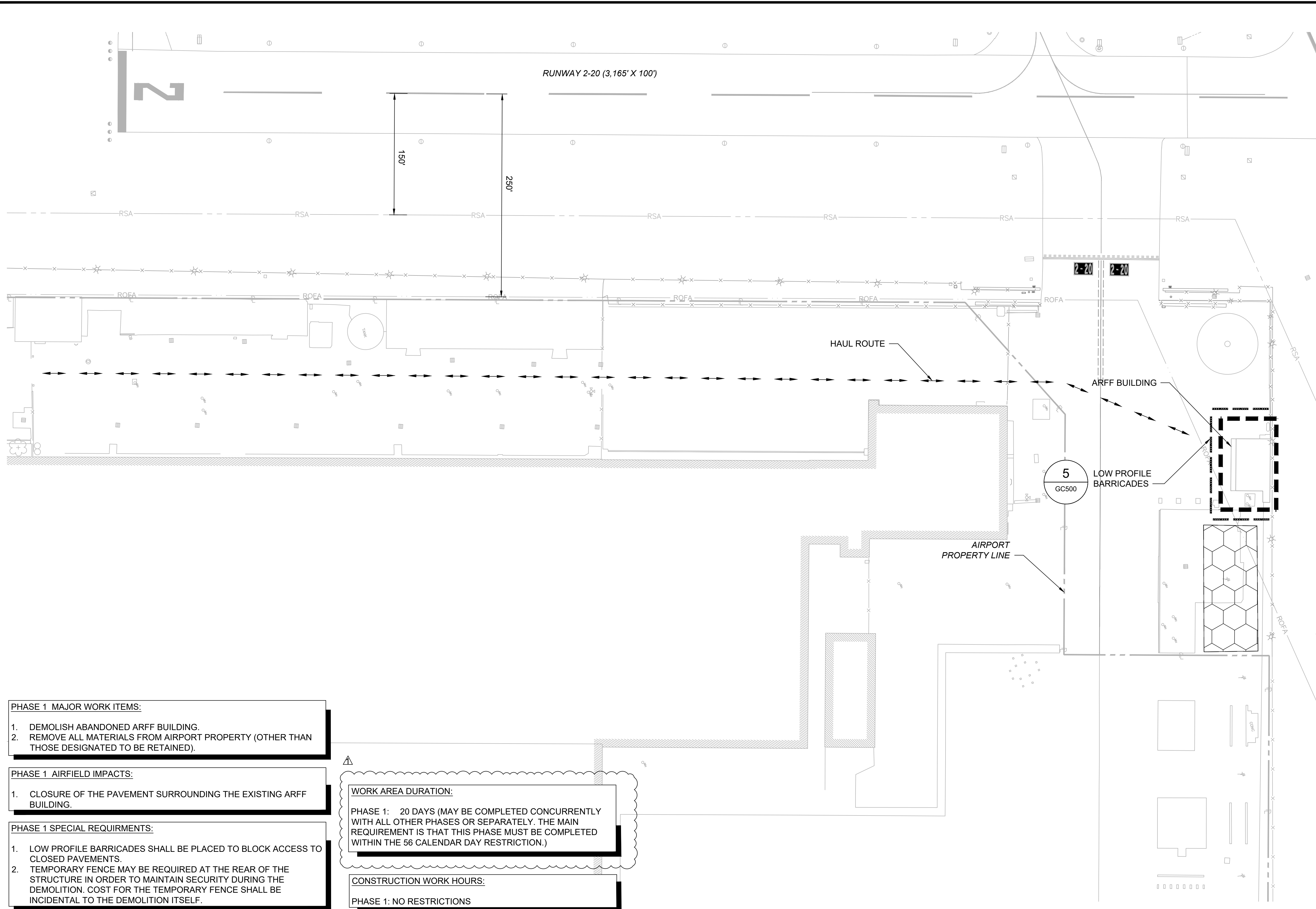
PROFESSIONAL CERTIFICATION:
"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND"
LICENSE NO. 32705
EXPIRATION DATE: 02/21/2026

DESIGNED:	REVISION NO.	REVISION DATE	DESCRIPTIONS
B.J.D.	1	7/2/2024	ADDENDUM #1
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.: 3-240019-071-2024
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
 - RSA - RUNWAY SAFETY AREA
 - ROFA - RUNWAY OBJECT FREE AREA
 - EXISTING AOA FENCE
 - TSA - TAXIWAY SAFETY AREA
 - TOFA - 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:

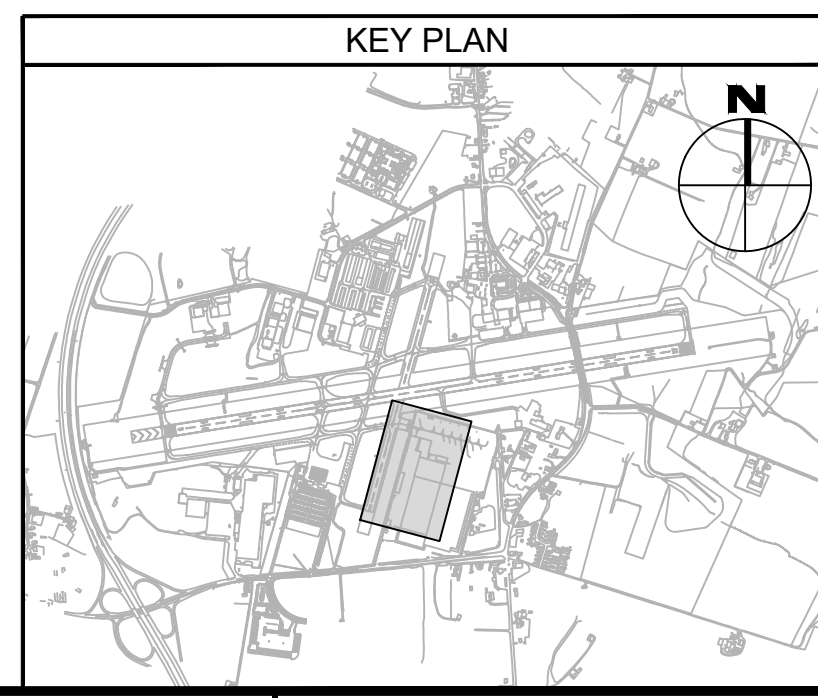
1. LOW PROFILE BARRICADES SHALL BE PLACED TO BLOCK ACCESS TO CLOSED PAVEMENTS.
2. TEMPORARY FENCE MAY BE REQUIRED AT THE REAR OF THE STRUCTURE IN ORDER TO MAINTAIN SECURITY DURING THE DEMOLITION. COST FOR THE TEMPORARY FENCE SHALL BE INCIDENTAL TO THE DEMOLITION ITSELF.

WORK AREA DURATION:

PHASE 1: 20 DAYS (MAY BE COMPLETED CONCURRENTLY WITH ALL OTHER PHASES OR SEPARATELY. THE MAIN REQUIREMENT IS THAT THIS PHASE MUST BE COMPLETED WITHIN THE 56 CALENDAR DAY RESTRICTION.)

CONSTRUCTION WORK HOURS:

PHASE 1: NO RESTRICTIONS



CONSULTANT:

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

SEAL:

WILLIAM N. MOORE
PROFESSIONAL ENGINEER
No. 32705
6/17/24

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

HAGERSTOWN REGIONAL AIRPORT
Washington County, MD

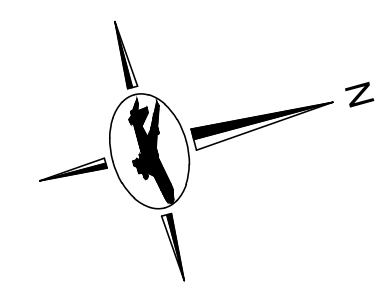
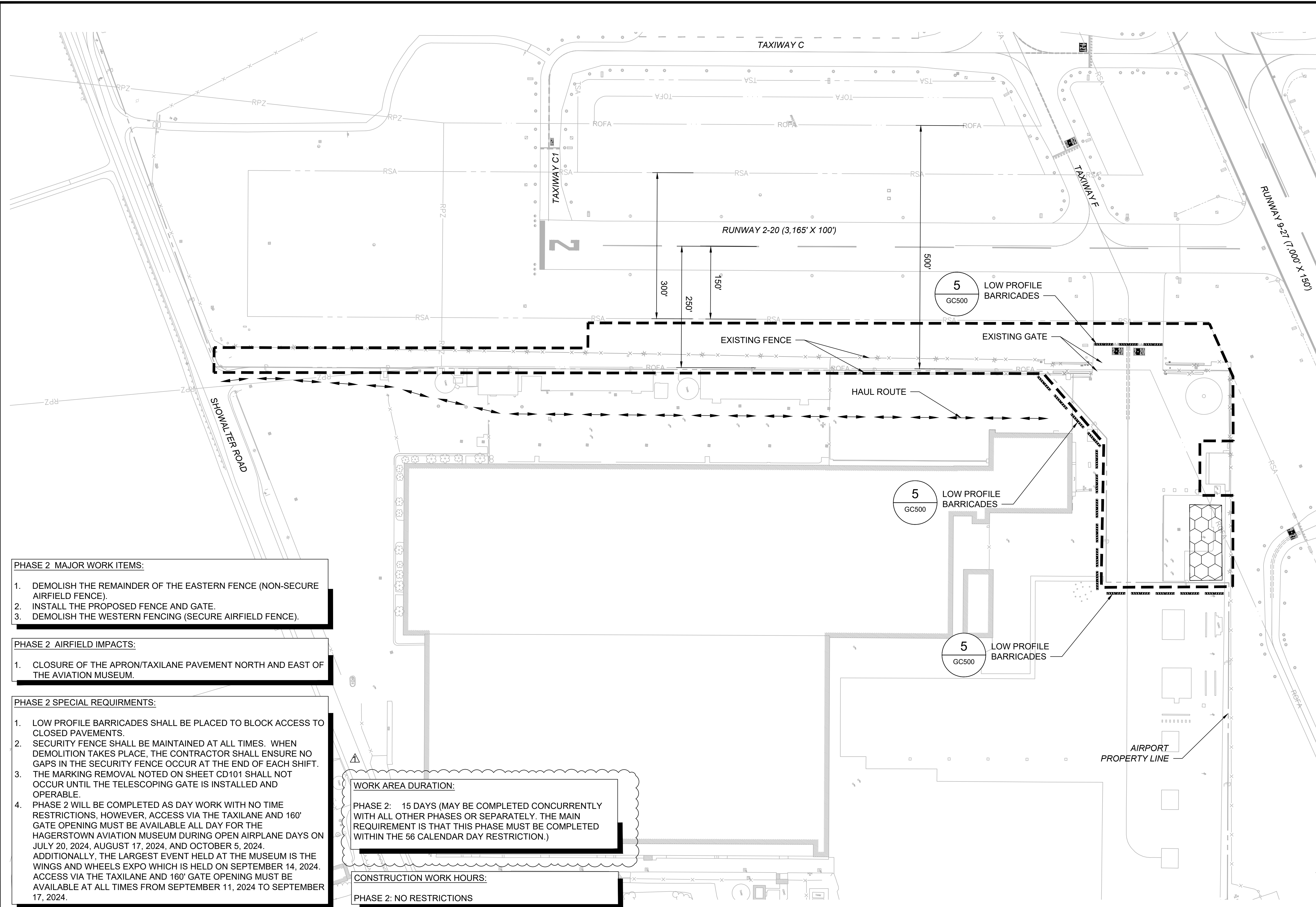
PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT

SHEET TITLE: CONSTRUCTION SAFETY AND PHASING PLAN 1

SCALE: AS SHOWN DATE: JUNE 2024

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

SHEET NO.: **GC111**
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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:

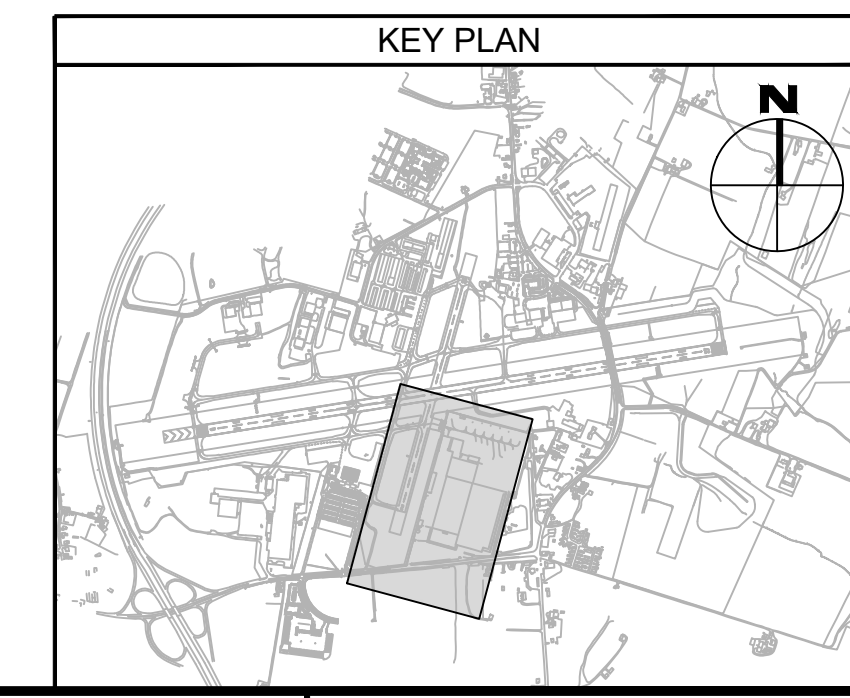
1. LOW PROFILE BARRICADES SHALL BE PLACED TO BLOCK ACCESS TO CLOSED PAVEMENTS.
2. SECURITY FENCE SHALL BE MAINTAINED AT ALL TIMES. WHEN DEMOLITION TAKES PLACE, THE CONTRACTOR SHALL ENSURE NO GAPS IN THE SECURITY FENCE OCCUR AT THE END OF EACH SHIFT. THE MARKING REMOVAL NOTED ON SHEET CD101 SHALL NOT 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 (MAY BE COMPLETED CONCURRENTLY WITH ALL OTHER PHASES OR SEPARATELY. THE MAIN REQUIREMENT IS THAT THIS PHASE MUST BE COMPLETED WITHIN THE 56 CALENDAR DAY RESTRICTION.)

CONSTRUCTION WORK HOURS:

PHASE 2: NO RESTRICTIONS



CONSULTANT:

ADCI
AIRPORT DESIGN CONSULTANTS
6031 UNIVERSITY BLVD, SUITE 330
ELLICOTT CITY, MD 21043
TEL: 410.465.9600
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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 2

SCALE: AS SHOWN DATE: JUNE 2024

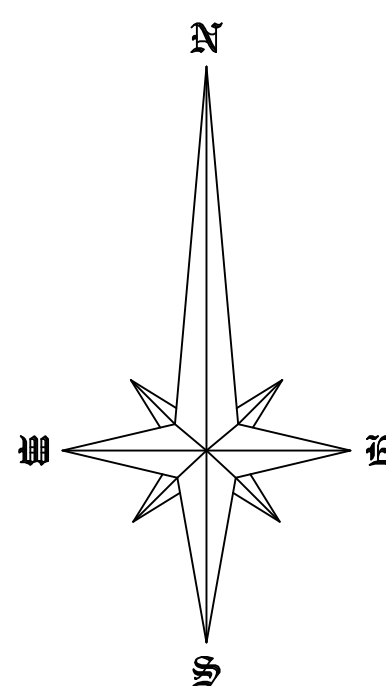
FAA AIP No.: 3-240019-071-2024
Bid No.: PUR-1695

SHEET NO.: **GC112**
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GENERAL CONSTRUCTION NOTES:

- NO SUBSURFACE INVESTIGATION HAS BEEN PERFORMED BY FOX & ASSOCIATES, INC. TO DETERMINE THE EXISTENCE OR LOCATION OF GROUND WATER, ROCK OR OTHER NATURAL OR MAN-MADE FEATURES. EXCEPT AS SPECIFICALLY INDICATED, NO ENVIRONMENTAL STUDIES HAVE BEEN CONDUCTED BY OUR FIRM.
- EXISTING UTILITY INFORMATION SHOWN HEREON IS FROM DRAWINGS AND/OR OTHER SOURCES PROVIDED BY OWNERS OF THE VARIOUS UTILITIES. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT (1-800-257-7777) A MINIMUM OF 48 HOURS BEFORE BEGINNING ANY WORK SHOWN ON THESE DRAWINGS. ANY DAMAGE TO UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE AND TO THE SATISFACTION OF THE UTILITY OWNER. HAND PIT EXCAVATION SHALL BE PROVIDED AS NEEDED BY CONTRACTOR TO LOCATE EXISTING UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL NOTIFY THE APPLICABLE MUNICIPAL, COUNTY AND/OR STATE AUTHORITIES AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK WITHIN PUBLIC RIGHT (S) OF WAY.
- THE CONTRACTOR SHALL VERIFY ALL SURFACE AND SUBSURFACE CONDITIONS (LOCATIONS AND ELEVATIONS) PRIOR TO BIDDING AND START OF CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER AND/OR ENGINEER BEFORE PROCEEDING IF THEY AFFECT THE DESIGN FEASIBILITY OF THIS PROJECT. ANY DAMAGE TO FACILITIES, STRUCTURES, PAVEMENT OR OTHER MAN-MADE ITEMS ON OR ADJACENT TO THE SITE OR NOT SPECIFICALLY INDICATED FOR THE DEMOLITION SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR COMPLYING WITH ALL APPLICABLE LEGAL AND REGULATORY REQUIREMENTS. CONTRACTOR SHALL OBTAIN ANY BONDS REQUIRED BY COUNTY/STATE FOR WORK WITHIN COUNTY/STATE RIGHT-OF-WAYS.
- TEMPORARY EROSION CONTROL MEASURES WILL BE USED TO CORRECT CONDITIONS THAT DEVELOP DURING CONSTRUCTION THAT ARE UNFORESEEN DURING THE DESIGN STAGE OR THAT ARE NEEDED TO TEMPORARILY CONTROL EROSION THAT DEVELOPS DURING NORMAL CONSTRUCTION PRACTICES.
- JOB SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- EXISTING UTILITIES SHOWN HEREON ARE FOR INFORMATIONAL PURPOSES ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BEFORE BEGINNING CONSTRUCTION.
- NO TITLE REPORT HAS BEEN CONDUCTED BY THIS COMPANY OR FURNISHED TO US BY OTHERS. PROPERTY LINE INFORMATION HAS BEEN TAKEN FROM DEED (S) OF RECORD AND NOT FIELD VERIFIED.
- IT SHALL BE THE SOLE RESPONSIBILITY OF THE OWNER AND/OR DEVELOPER TO OBTAIN ALL NECESSARY EASEMENTS AND/OR RIGHT OF WAYS NECESSARY IN ORDER TO COMPLETE THE PROJECT SHOWN ON THESE PLANS. FOX & ASSOCIATES, INC. WILL ASSUME NO RESPONSIBILITY OR LIABILITY ASSOCIATED WITH THE ACQUIRING OF OFFSITE EASEMENTS AND RIGHT OF WAYS.
- THE WASHINGTON COUNTY DIVISION OF PUBLIC WORKS, ENGINEERING & CONSTRUCTION REQUIRE THAT A PRE-CONSTRUCTION MEETING BE HELD FOR ALL PROJECTS REGARDLESS OF AMOUNT OF DISTURBANCE. CONTACT THE WASHINGTON COUNTY DIVISION OF PUBLIC WORKS, ENGINEERING & CONSTRUCTION AT 240-313-2400 FIVE (5) DAYS PRIOR TO THE START OF CONSTRUCTION.
- THE WASHINGTON COUNTY SOIL CONSERVATION DISTRICT REQUIRE THAT A PRE-CONSTRUCTION MEETING BE HELD FOR PROJECTS WHICH DISTURB OVER 15,000 S.F. OR OVER 500 C.Y. OF VOLUME. CONTACT THE WASHINGTON COUNTY SOIL CONSERVATION DISTRICT AT 301-797-6821 FIVE (5) DAYS PRIOR TO THE START OF CONSTRUCTION.
- ANY WORK WITHIN THE COUNTY RIGHT-OF-WAY WILL REQUIRE THE POSTING OF A PERFORMANCE BOND AND EXECUTED PUBLIC WORKS AGREEMENT PRIOR TO THE ISSUANCE OF THE GRADING PERMIT, IN ACCORDANCE WITH THE WASHINGTON COUNTY S-3 POLICY.
- A COMPLETE SET OF APPROVED PLANS AND THE GRADING PERMIT ISSUED FOR CONSTRUCTION COVERED UNDER THIS PLAN MUST BE KEPT ON SITE BY THE PERMITEE AT ALL TIMES DURING THE CONSTRUCTION.
- TOPOGRAPHY SHOWN ON THESE PLANS IS FROM FIELD RUN SURVEY BY FOX & ASSOC., INC. DATED APRIL, 2024. SURVEYS ARE BASED ON COUNTY HORIZONTAL AND VERTICAL DATUM (NAVD 88 AND NAD 83).
- THERE ARE NO FLOODPLAINS, STEEP SLOPES, STREAMS AND RELATED BUFFERS, OR HABITAT OF THREATENED OR ENDANGERED SPECIES IDENTIFIED BY THE U.S. FISH AND WILDLIFE SERVICE PER 50 CFR 17 AS REQUIRED TO BE SHOWN BY SECTION 314 OF THE SUBDIVISION ORDINANCE AND SECTION 4.21 OF THE ZONING ORDINANCE.
- THERE IS NO 100 YEAR FLOODPLAIN ON THIS SUBJECT PROJECT AREA AS SHOWN ON FEMA PANEL No. 24043C01280 DATED 8/15/2017.
- ALL GRADING FOR THIS PROJECT SHALL BE THE FULL RESPONSIBILITY OF THE PROPERTY OWNER.
- NO PERMANENT STRUCTURES (FENCES, SHEDS, PLAY EQUIPMENT, RETAINING WALLS, ETC.) SHALL BE PERMITTED WITHIN ANY STORM DRAINAGE EASEMENT EITHER SHOWN OR DESCRIBED ON THE FINAL PLAT OF SUBDIVISION.
- ANY MODIFICATIONS OF THE APPROVED GRADING PLAN SHALL BE REVIEWED AND APPROVED BY THE WASHINGTON COUNTY DIVISION OF ENGINEERING PRIOR TO CONSTRUCTION OF ANY SUCH MODIFICATION.

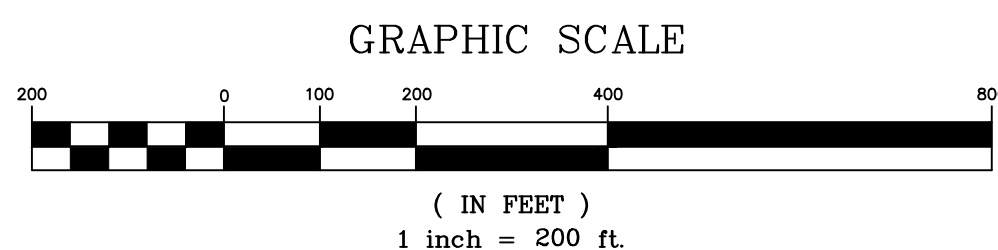
STANDARD GRADING PLAN OLD FIRE STATION SITUATED AT 18450 SHOWALTER ROAD WASHINGTON COUNTY, MARYLAND



LEGEND	
	EXIST. TREE LINE
	EXIST. FENCELINE
	SOIL LINE
	EXISTING STREAM
	SOIL TYPE
	EXIST. STORM DRAIN
	EXIST. GRAVEL LANE
	ADJOINING PROPERTY LINE
	PROPERTY LINE
	EXIST. UTILITY POLE
	EXIST. OVERHEAD WIRING
	BENCHMARK

INDEX OF SHEETS

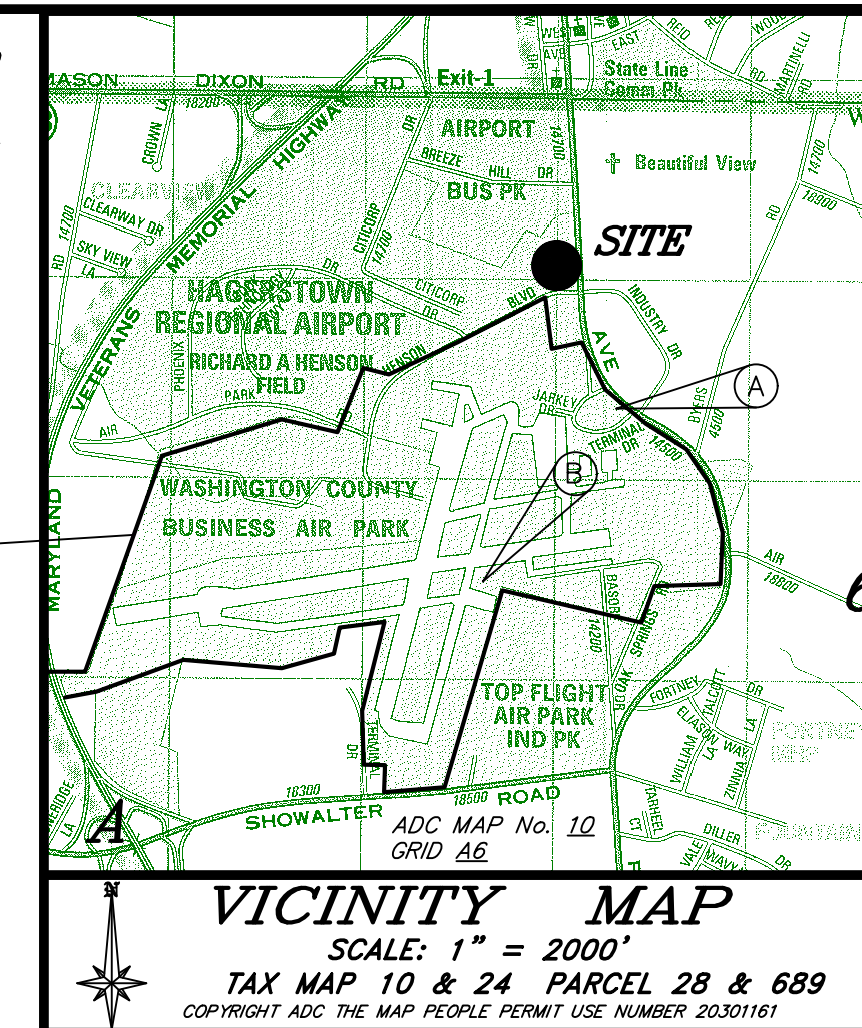
COVER SHEET	ES100
DEMOLITION / SITE PLAN	ES101-ES103
NOTES AND DETAILS	ES104



TOTAL TAX GRID INFO: 24-04-0689-0000
10-23-0028-0000

- A. N.G.S. MONUMENT AJ7986 "MIDDLE 2"
(NA83, NAVD 88)
N 745,943.925
E 1,109,153.128
ELEV. = 695.66'
- B. 550 MTS
(NA83, NAVD 88)
N 744,254.672
E 1,107,883.953
ELEV. = 696.05'

APPROX. BOUNDARY
OF TM 24/P. 689
378 AC. ±



AGENCY & UTILITY CONTACTS

COUNTY D.P.W. - ENGINEERING AND CONSTRUCTION	(240) 313-2400
WASHINGTON COUNTY DEPT. OF WATER QUALITY (SEWER)	(240) 313-2600
WASH. CO. SCD	DENISE PRICE (301) 797-6821
CITY OF HAG. UTILITIES ENGINEERING	ALERIK HOEH (301) 739-8577
ANTIETAM CABLE	KEN BUCKLER (301) 797-5000
VERIZON	JULIE LUDWIG (301) 790-7135
POTOMAC EDISON	RICK USARY (301) 582-5210
COLUMBIA GAS	VONDA GRIFFIN (800) 440-6111

DISTURBED AREA QUANTITIES

THE TOTAL AREA TO BE DISTURBED SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE APPROXIMATELY 12,126 SF OR 0.28 ACRES AND THE TOTAL AMOUNT OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAS BEEN COMPUTED TO BE APPROXIMATELY 100 C.Y. OF EXCAVATION AND 100 C.Y. OF FILL.

* THESE QUANTITIES ARE APPROXIMATE AND SHALL NOT BE USED BY THE CONTRACTOR FOR BIDDING PURPOSES.

ENGINEER 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.

NAME: GORDON S. POFFENBERGER
LICENSE No. 27053
EXPIRATION DATE 1/25/26



ENGINEER/ARCHITECT DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH LOCAL ORDINANCES, COMAR 26.17.01.07, MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

DATE: Jul 02, 2024
REG. NO. 27053

SIGNATURE

WASHINGTON COUNTY SOIL CONSERVATION DISTRICT

WASHINGTON COUNTY DIVISION OF ENGINEERING

PROJECT NARRATIVE:

THIS PROJECT AT THE HAGERSTOWN REGIONAL AIRPORT PROPOSES THE DEMOLITION OF THE OLD FIRE STATION BUILDING, REMOVAL OF OLD FENCING, INSTALLATION OF A NEW FENCE AND GATE SYSTEM AND, INSTALLATION OF UNDERGROUND FIBER OPTIC AND ELECTRIC LINES. THE PROJECT IS BEING PERFORMED TO IMPROVE THE SIGHT DISTANCE FOR PLANS ON RUNWAY 2/20.

CONSULTANT:
FOX & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS
981 MT. AETNA ROAD
HAGERSTOWN, MD. 21740
PHONE: (301)733-8503
or (301)16-7250
FAX: (301)733-1853
www.foxandassociates.com
Email: foxandassociates@foxandassociates.com



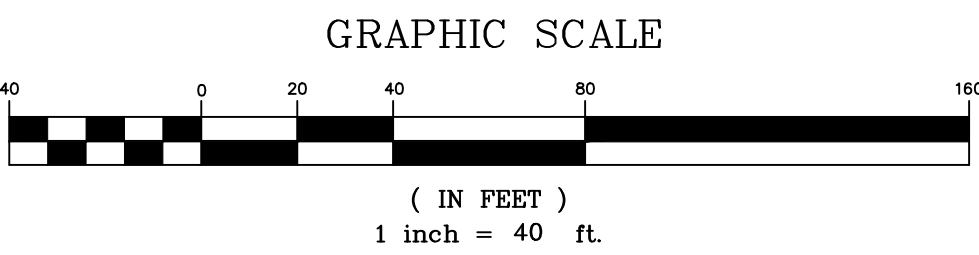
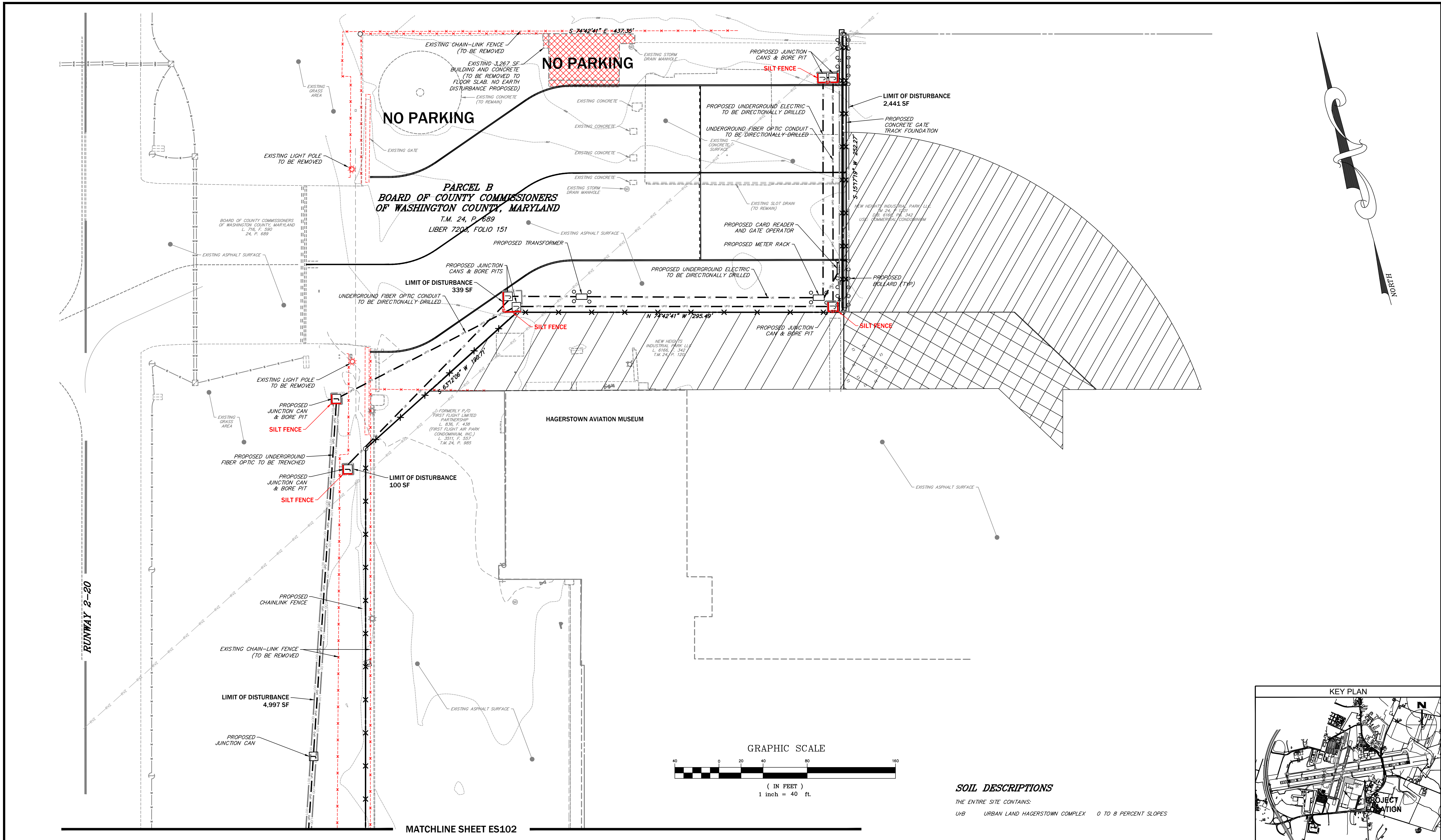
PROFESSIONAL CERTIFICATION:
"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."
LICENSE NO. 27053
EXPIRATION DATE: 1/25/2026

DESIGNED:	REVISION NO.	REVISION DATE	DESCRIPTIONS
GSP	1	7/2/2024	ADDENDUM #1
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CHECKED:			
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GSP			

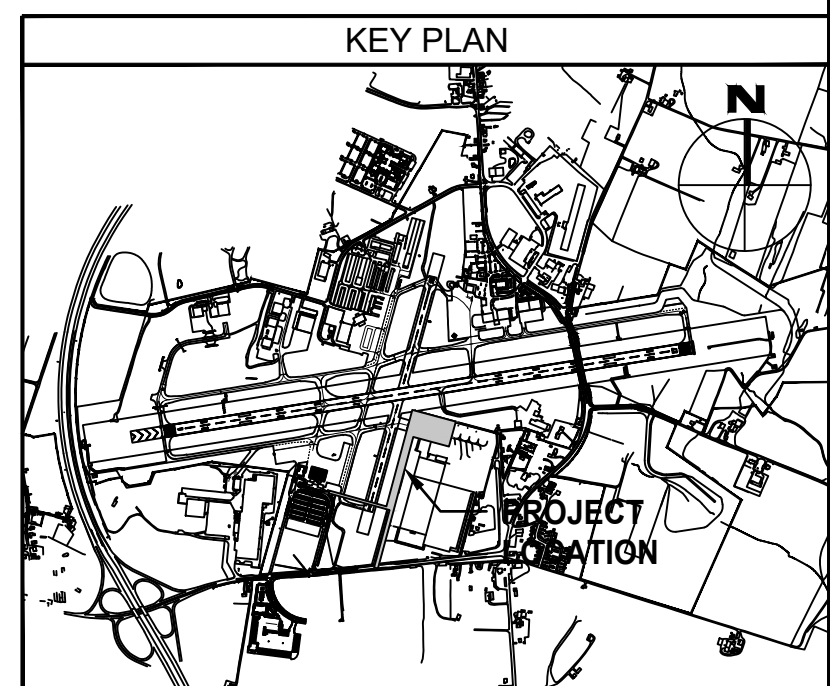


PROJECT TITLE:	ARRF DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT
SHEET TITLE:	COVER SHEET
SCALE:	AS SHOWN
DATE:	JUNE 2024

FAA AIP No.: 3-24-0019-071-2024
Bid No.: PUR-1695
GRADING PERMIT NO.: SGP-24-040
FOX DRAWING NO. D-9378
SHEET NO.:
ES100
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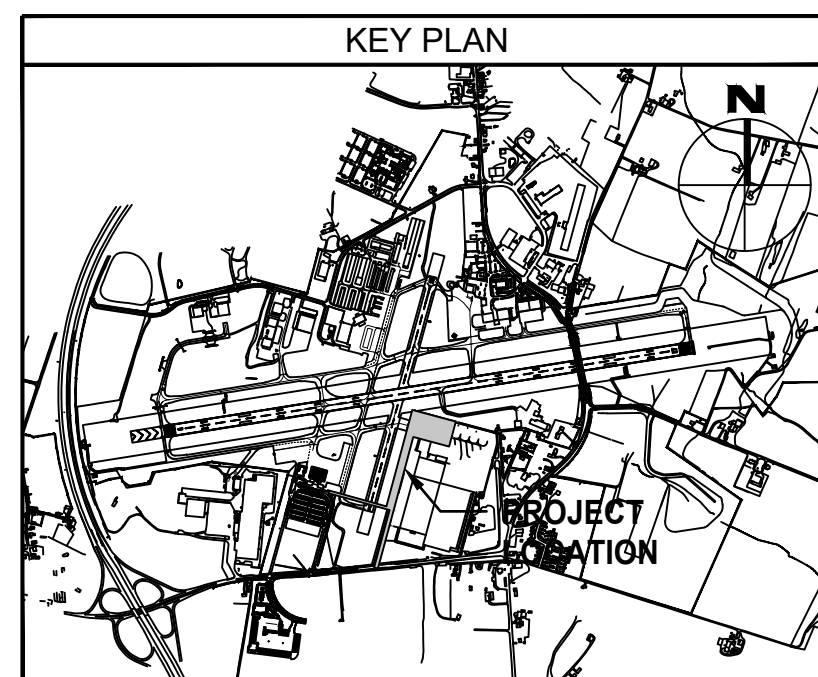
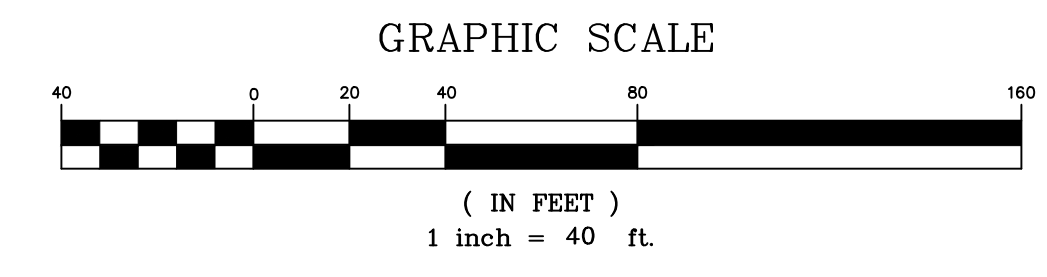
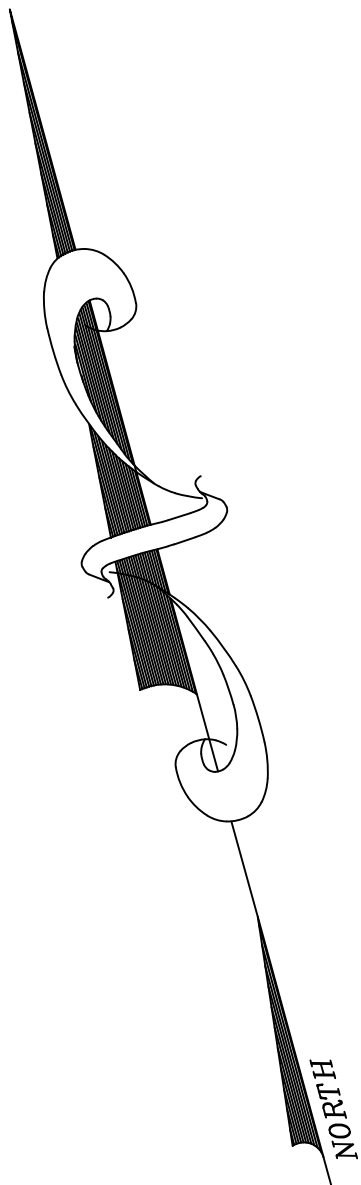
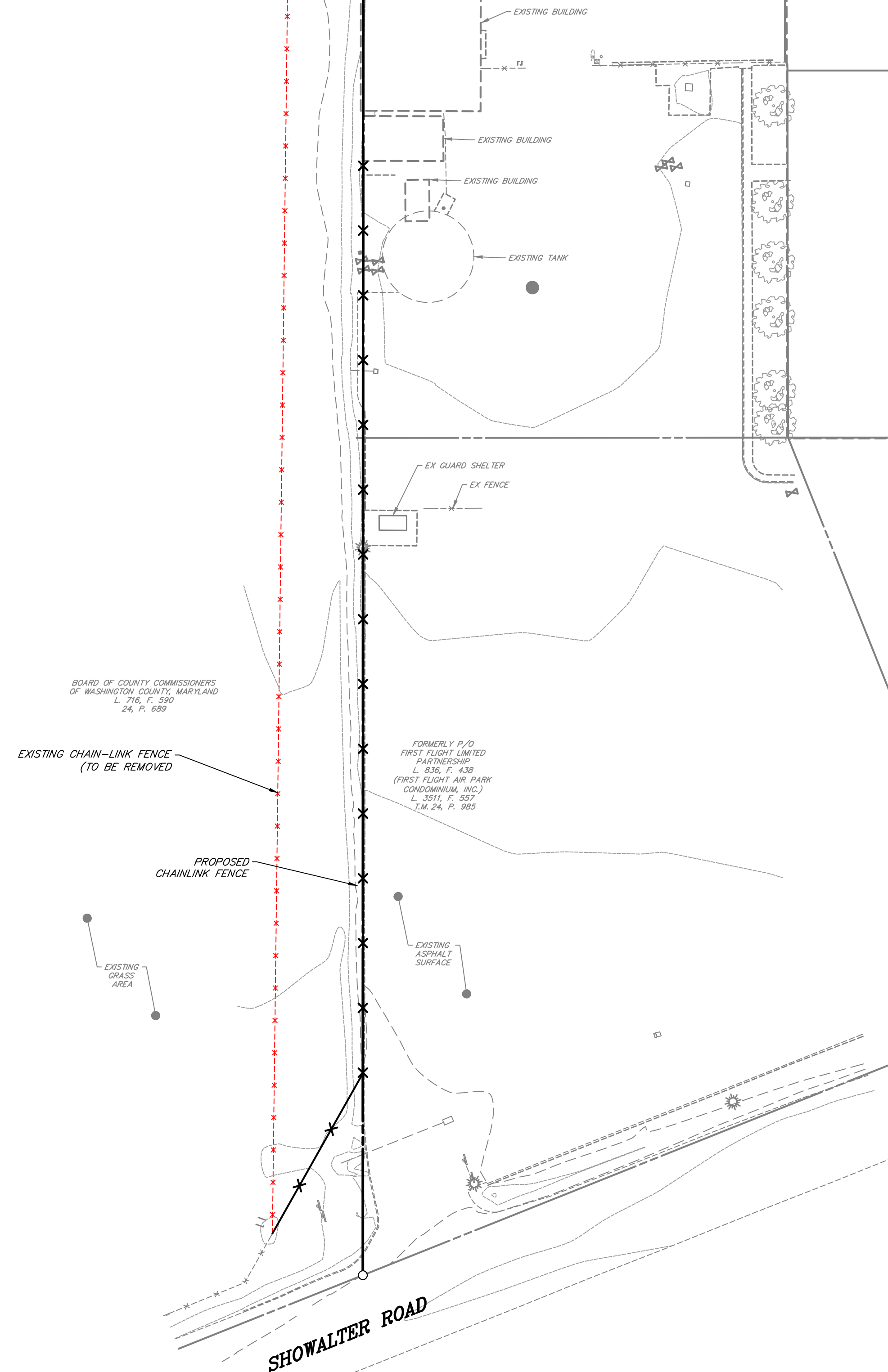


SOIL DESCRIPTIONS
 THE ENTIRE SITE CONTAINS:
 U/B URBAN LAND HAGERSTOWN COMPLEX 0 TO 8 PERCENT SLOPES



MATCHLINE SHEET ES102

CONSULTANT: FOX & ASSOCIATES, INC. ENGINEERS • SURVEYORS • PLANNERS 981 MT. AETNA ROAD HAGERSTOWN, MD. 21740 PHONE: (301)733-8503 or (301)616-7250 FAX: (301)733-1853 www.foxandassociates.com Email: foxes@foxandassociates.com		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. 27053 EXPIRATION DATE: 1/25/2026		DESIGNED: GSP DRAWN: DCM CHECKED: GSP APPROVED: GSP		REVISION NO. 1 REVISION DATE 7/2/2024 DESCRIPTIONS ADDENDUM #1		 HAGERSTOWN REGIONAL AIRPORT Washington County, MD		PROJECT TITLE: ARFF DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT		FAA AIP No.: 3-24-0019-071-2024 Bid No.: PUR-1695 GRADING PERMIT NO.: SGP-24-040 FOX DRAWING NO. D-9378 SHEET NO.:	
										SHEET TITLE: DEMOLITION / SITE PLAN		SHEET NO.: ES101			
										SCALE: 1" = 40'		DATE: JUNE 2024			
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SEAL: STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 SCOTT PORTER
 LICENSE NO. 27053
 EXPIRATION DATE: 1/25/2026

PROFESSIONAL CERTIFICATION:
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 LICENSE NO. 27053
 EXPIRATION DATE: 1/25/2026

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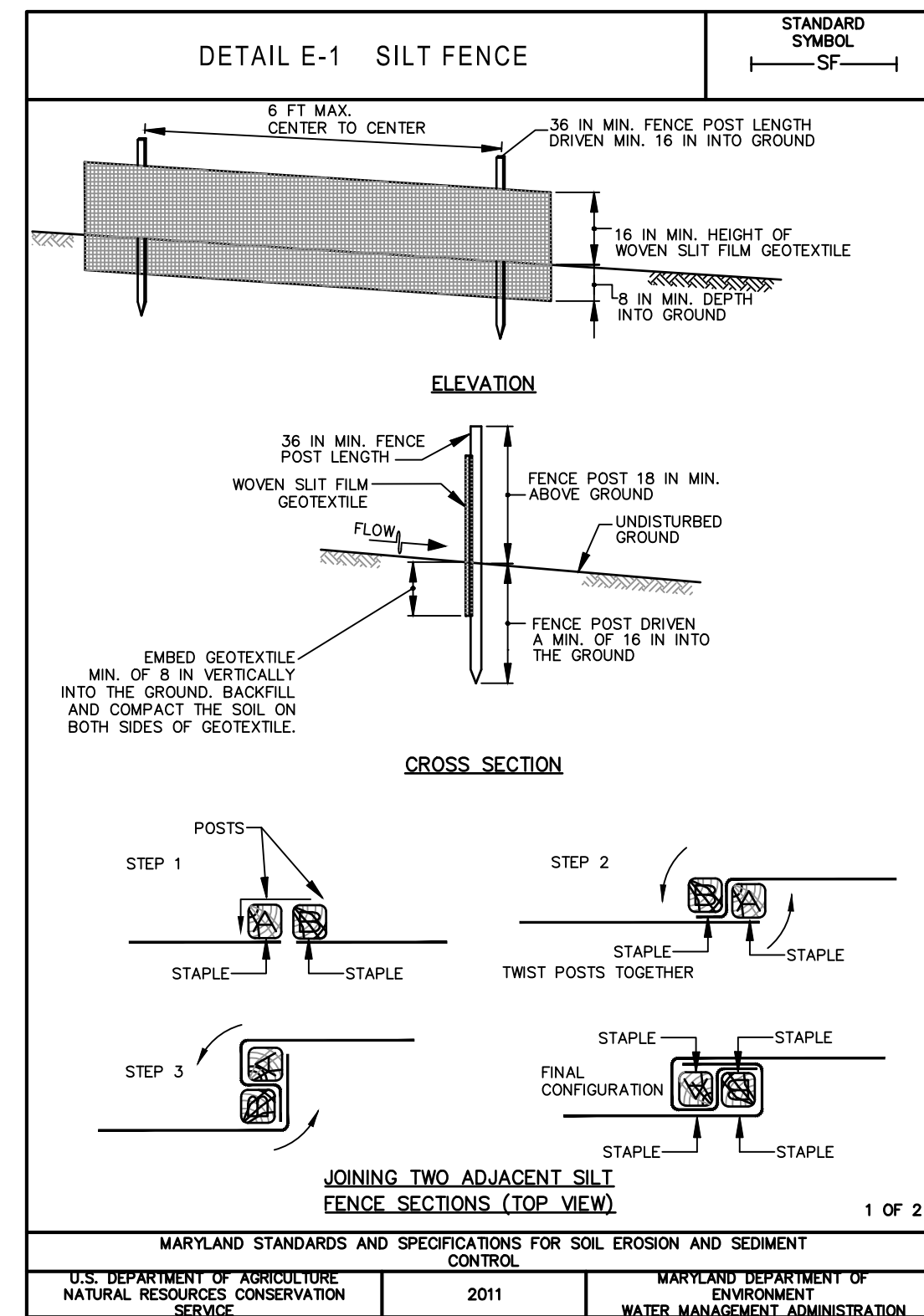
HAGERSTOWN REGIONAL AIRPORT
 Washington County, MD

PROJECT TITLE:	ARFF DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT
SHEET TITLE:	DEMOLITION / SITE PLAN
SCALE:	1" = 40'
DATE:	JUNE 2024

FAA AIP No.: 3-24-0019-071-2024
 Bid No.: PUR-1695
 GRADING PERMIT NO.: SGP-24-040

FOX DRAWING NO. D-9378

SHEET NO.: **ES103**
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STANDARD UTILITY NOTES

- CONTRACTOR TO ONLY OPEN UP LENGTH OF TRENCH THAT CAN BE CONSTRUCTED AND BACKFILLED IN ONE WORKING DAY.
- CONTRACTOR TO PLACE EXCAVATED MATERIALS IN A DUMP TRUCK AND HAUL TO AN APPROVED LOCATION FOR WASTE MATERIALS FROM PAVED AREAS.
- CONTRACTOR TO BACKFILL TRENCH WITH APPROVED MATERIALS AND STABILIZE DISTURBED AREAS THE SAME WORKING DAY.
- IN AREAS WHERE THE CONSTRUCTION TAKES PLACE OUTSIDE OF THE EXISTING ROADBED, CONTRACTOR TO INSTALL SILT FENCE ALONG THE DOWNHILL SIDE OF THE TRENCH BEFORE BEGINNING CONSTRUCTION AND PLACE EXCAVATED MATERIAL FROM THE TRENCH ON THE UPHILL SIDE.
- IF DEWATERING OF THE TRENCH IS REQUIRED, CONTRACTOR TO PUMP WATER TO A FILTER BAG TO DEWATER.
- CONTRACTOR TO SWEEP STREET OF ANY DEBRIS OR SEDIMENTS CAUSED BY CONSTRUCTION OPERATIONS AND DISPOSE OF AT AN APPROVED LOCATION.
- CONTRACTOR TO STABILIZE ALL DISTURBED AREAS WITH SEED & MULCH OR APPROPRIATE STREET REPAIR.

SEQUENCE OF CONSTRUCTION

- CONTACT THE WASHINGTON COUNTY ENGINEERING DEPT. 5 DAYS PRIOR TO THE START OF CONSTRUCTION AT 240-313-2400.
- NOTIFY WASHINGTON COUNTY SOIL CONSERVATION DISTRICT AT LEAST 5 DAYS PRIOR TO THE START OF CONSTRUCTION AT (301) 797-6821.
- INSTALL PERIMETER CONTROLS.
- REMOVE EXISTING IMPROVEMENTS PER PLANS.
- INSTALL THE UNDERGROUND ELECTRIC AND FIBER OPTIC CONDUIT.
- GRADE SITE PER PLANS.
- SEED AND MULCH ANY REMAINING DISTURBED AREAS.
- POST-CONSTRUCTION NOTIFICATION- WHEN THE SITE IS FULLY STABILIZED, NOTIFY THE WASHINGTON COUNTY SOIL CONSERVATION DISTRICT AT 301-797-6821 AND THE WASHINGTON COUNTY ENGINEERING DEPARTMENT AT 301-790-3200 PRIOR TO REMOVAL OF ANY SOIL EROSION AND SEDIMENT CONTROL MEASURES.

SOIL EROSION, SEDIMENT CONTROL & SEEDING NOTES

- ALL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" AND THE PROVISIONS OF THE APPROVED PLAN.
- ALL GRADING AND STABILIZATION SHALL COMPLY WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL," SECTION B - GRADING AND STABILIZATION" AND THE PROVISIONS OF THE APPROVED PLAN.
- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES (BMP'S) ARE TO BE CONSTRUCTED AND/OR INSTALLED PRIOR TO OR AT THE INITIATION OF GRADING IN ACCORDANCE WITH "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", AND THE APPROVED PLAN.
- A GRADING UNIT IS THE MAXIMUM CONTIGUOUS AREA ALLOWED TO BE GRADED AT A GIVEN TIME AND IS LIMITED TO 20 ACRES. WORK MAY PROCEED TO A SUBSEQUENT GRADING UNIT WHEN AT LEAST 50 PERCENT OF THE DISTURBED AREA IN THE PRECEDING GRADING UNIT HAS BEEN STABILIZED AND APPROVED BY THE ENFORCEMENT AUTHORITY AND/OR THE WASHINGTON COUNTY SOIL CONSERVATION DISTRICT (APPROVAL AUTHORITY) UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE APPROVAL AUTHORITY, NO MORE THAN 30 ACRES CUMULATIVELY MAY BE DISTURBED AT A GIVEN TIME.
- FOR INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, TEMPORARY OR PERMANENT STABILIZATION MUST BE COMPLETED WITHIN:
 - THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND
 - SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.
- STOCKPILES MUST BE STABILIZED IN ACCORDANCE WITH THE 7 DAY STABILIZATION REQUIREMENT, AS WELL AS, STANDARD B-4-1 INCREMENTAL STABILIZATION AND STANDARD B-4-4 TEMPORARY STABILIZATION, (AS APPLICABLE)
- ALL CONSTRUCTED CHANNELS AND SWALES SHALL HAVE SPECIFIED TREATMENT INSTALLED TO THE DESIGN FLOW DEPTH COMPLETED DOWNSTREAM TO UPSTREAM AS CONSTRUCTION PROGRESSES. AN INSTALLATION DETAIL SHALL BE SHOWN ON THE PLANS.
- ALL STORM DRAIN AND SANITARY SEWER LINES NOT IN PAVED AREAS ARE TO BE MULCHED AND SEEDED WITHIN 3 DAYS OF INITIAL BACKFILL UNLESS OTHERWISE SPECIFIED ON PLANS.
- ELECTRIC POWER, TELEPHONE, AND GAS LINES ARE TO BE COMPACTED, SEEDED AND MULCHED WITHIN 3 DAYS AFTER INITIAL BACKFILL UNLESS OTHERWISE SPECIFIED ON PLANS.
- NO SLOPE SHALL BE GREATER THAN 2:1.
- AS REQUIRED BY SECTION B, OF THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, "ADEQUATE VEGETATIVE STABILIZATION" IS DEFINED AS 95 PERCENT GROUND COVER. THE WASHINGTON COUNTY SOIL CONSERVATION DISTRICT REQUIRES THE PROJECT ADHERE TO THIS FOR SCHEDULING OF THE FINAL SITE CLOSEOUT REVIEW, AND/OR THE RELEASE OF THE SITE FOR SOIL EROSION AND SEDIMENT CONTROL.

FOR SITES 1.0 ACRE OR MORE, THE FOLLOWING ARE REQUIRED:

- MARYLAND DEPARTMENT OF THE ENVIRONMENT, GENERAL PERMIT FOR STORMWATER ASSOCIATED WITH A CONSTRUCTION ACTIVITY, N.P.D.E.S. PERMIT NUMBER MDRC, STATE DISCHARGE PERMIT NUMBER 14GP, OR AN INDIVIDUAL PERMIT.
- THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (GENERAL/INDIVIDUAL PERMIT - NOTICE OF INTENT - N.O.I.) APPLICATION AND PERMIT SHALL BE POSTED AND/OR AVAILABLE ON-SITE AT ALL TIMES.
- DURING CONSTRUCTION, ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES (B.M.P.'s) SHALL BE INSPECTED AND RECORDED ON THE "STANDARD INSPECTION FORM," "GENERAL PERMIT FOR STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY" PER MARYLAND DEPARTMENT OF THE ENVIRONMENT (GENERAL/INDIVIDUAL PERMIT - NOTICE OF INTENT - N.O.I.).
- FOLLOWING CONSTRUCTION AND RELEASE OF THE SIGHT FOR SOIL EROSION AND SEDIMENT CONTROL BY THE WASHINGTON COUNTY SOIL CONSERVATION DISTRICT, I.E., ALL PORTIONS OF A SITE HAVE BEEN PERMANENTLY STABILIZED, AND ALL STORMWATER DISCHARGES FROM THE CONSTRUCTION SITES THAT ARE AUTHORIZED BY THE PERMIT AREA ELIMINATED, THE AUTHORIZED PERMITEE SHALL SUBMIT THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, GENERAL/INDIVIDUAL PERMIT - NOTICE OF TERMINATION - N.O.T.

PERMANENT SEEDING SUMMARY

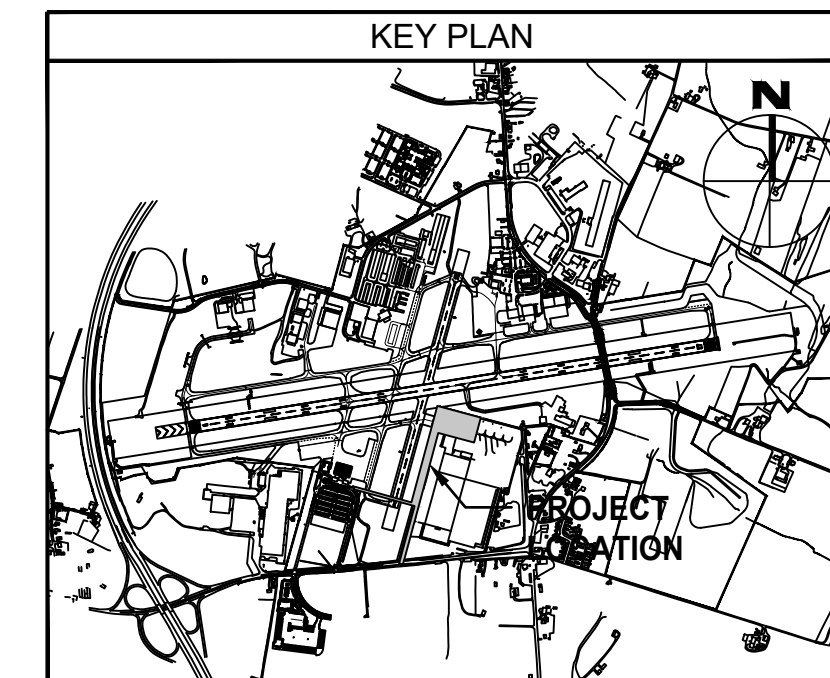
No.	SPECIES	SEED MIXTURE (HARDINESS ZONE 6B) FROM TABLE B.3		SEEDING DATES	SEEDING DEPTHS	FERTILIZER RATE (10-20-20)			LIME RATE
		APPLICATION RATE (LB/AC)				N	P205	K20	
6	TALL FESCUE WHITE CLOVER PERENNIAL RYE GRASS	40 5 25		3/1 - 5/15 8/1 - 10/15	1/4" - 2"	45 LB/AC (10 LB/1000 S.F.)	90 LB/AC (2 LB/1000 S.F.)	90 LB/AC (2 LB/1000 S.F.)	2 TONS/AC (90 LB/1000 S.F.)

PERMANENT SEEDING SHALL COMPLY WITH SECTION B-4-5 OF THE 2011 MARYLAND STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL

TEMPORARY SEEDING SUMMARY

No.	SPECIES	SEED MIXTURE (HARDINESS ZONE 6B) FROM TABLE B.1		SEEDING DATES	SEEDING DEPTHS	FERTILIZER RATE (10-20-20)		LIME RATE
		APPLICATION RATE (LB/AC)				N	P205	
2	BARLEY (HORDEUM VULGARE)	96		3/1 - 5/15 8/1 - 10/15	1.0"	436 LBS./AC. (10 LBS./1000 S.F.)		2 TONS/AC. (90 LBS./1000 S.F.)

TEMPORARY SEEDING SHALL COMPLY WITH SECTION B-4-4 OF THE 2011 MARYLAND STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL



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LICENSE NO. 27053
EXPIRATION DATE: 1/25/2026

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APPROVED:			
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HAGERSTOWN REGIONAL AIRPORT
Washington County, MD

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

SHEET TITLE: **NOTES AND DETAILS**

SCALE: 1" = 40'

DATE: JUNE 2024

FAA AIP No.: 3-24-0019-071-2024
Bid No.: PUR-1695
GRADING PERMIT NO.: SGP-24-040

FOX DRAWING NO. D-9378

SHEET NO.: **ES104**

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ELECTRICAL GENERAL NOTES

GENERAL
UNLESS SPECIFICALLY INDICATED OTHERWISE, ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS IS NEW WORK TO BE PROVIDED UNDER THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR THE ENTIRE PROJECT DOCUMENT SET, INCLUDING ALL SPECIFICATIONS, CONTRACT DRAWINGS, ADDENDUMS, ETC. PRIOR TO THEIR BID, THE CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS. IF WORK ON OTHER TRADE DRAWINGS OR WITHIN OTHER DIVISION SPECIFICATIONS HAS EQUIPMENT, DEVICES, APPURTENANCES, ETC. INCLUDED WITHIN THEM REQUIRING ELECTRICAL EQUIPMENT OR POWER FEEDS IN ORDER TO PROVIDE A COMPLETE OPERATIONAL SYSTEM, IT IS THE CONTRACTOR'S RESPONSIBILITY TO INCLUDE WITHIN THEIR BID AND PAY FOR ALL ELECTRICAL WORK REQUIRED TO COMPLETE THOSE SYSTEMS. THE CONTRACTOR SHALL SUBMIT REQUESTS FOR INFORMATION DURING THE BIDDING PHASE FOR ALL DISCREPANCIES, CONFLICTS, CONSTRUCTABILITY ISSUES, AND CLARIFICATIONS NEEDED IN ORDER FOR THE CONTRACTOR TO PROVIDE COMPLETE OPERATIONAL SYSTEMS FOR THIS PROJECT.

COORDINATION
COORDINATE AND COOPERATE WITH ALL TRADES ON THE PROJECT.

RECORD DRAWINGS
SECURE AN EXTRA SET OF ELECTRICAL DRAWINGS TO BE KEPT ON SITE AND MARK DAILY. THE DRAWINGS IN RED AS THE PROJECT PROGRESSES IN ORDER TO KEEP AN ACCURATE RECORD OF ALL DEVIATIONS BETWEEN THE WORK SHOWN ON THE DRAWINGS AND THE WORK WHICH IS ACTUALLY INSTALLED. THESE MARKED DRAWINGS SHALL REFLECT ANY AND ALL CHANGES AND REVISIONS TO THE ORIGINAL DESIGN WHICH EXISTS IN THE COMPLETED WORK. DELIVER THE MARKED DRAWINGS TO THE OWNER AT PROJECT CLOSE-OUT.

TESTS
TEST ALL WIRING FOR CONTINUITY AND GROUNDS BEFORE CONNECTING ANY FIXTURES OR DEVICES. PERFORM INSULATION RESISTANCE TESTS ON ALL WIRING #8 OR LARGER TO ENSURE THAT ALL PORTIONS ARE FREE FROM SHORT-CIRCUITS AND GROUNDS. PROVIDE TYPEWRITTEN SIGNED REPORTS TO ENGINEER WITH RESULTS.

INSPECTIONS
ARRANGE ALL NECESSARY INSPECTIONS. DELIVER ALL REQUIRED INSPECTION CERTIFICATES TO THE OWNER.

GROUNDING
PROVIDE GROUNDING IN ACCORDANCE WITH THE NEC FOR THE ELECTRICAL SYSTEM INCLUDING EQUIPMENT FRAMES, CONDUITS, SWITCHES, CONTROLLERS, WIRE-WAYS, NEUTRAL CONDUCTORS, AND OTHER EQUIPMENT. PROVIDE A GROUNDING CONDUCTOR IN ALL POWER CIRCUITS.

LABELS
PROVIDE LABELS FOR ALL PANELBOARDS, CABINETS, SAFETY SWITCHES, MOTOR-DISCONNECT SWITCHES, AND MOTOR CONTROLLERS. LABELS SHALL BE MACHINE ENGRAVED, LAMINATED PLASTIC, PERMANENTLY ATTACHED WITH SELF-TAPPING SCREWS OR RIVETS. DO NOT USE SELF ADHESIVE LABELS. PROVIDE ADDITIONAL LABELS FOR CLARITY AT THE ENGINEER'S REQUEST.

J-BOX LABELING
LABEL ALL JUNCTION BOXES WITH PERMANENT MARKER IDENTIFYING CIRCUIT NUMBER AND PANELBOARD OF CIRCUITS WITHIN.

CONDUCTOR SIZE
USE #10 AWG CONDUCTORS (MINIMUM) FOR ALL 20 AMP, 120 VOLT CIRCUIT RUNS GREATER THAN 50' ONE WAY FROM PANELBOARD TO FIRST DEVICE/FIXTURE. USE #10 AWG CONDUCTORS (MINIMUM) FOR ALL 20 AMP, 277 VOLT CIRCUIT RUNS GREATER THAN 100' ONE WAY FROM PANELBOARD TO FIRST DEVICE/FIXTURE.

PANEL DIRECTORY
PROVIDE TYPEWRITTEN PANELBOARD DIRECTORY CARD IN EACH PANELBOARD INCLUDING EXISTING PANELBOARDS MODIFIED FOR THIS PROJECT WITH CIRCUIT LOAD INFORMATION AND ROOM NUMBER CLEARLY IDENTIFIED. USE ACTUAL ROOM NUMBERS IN THE BUILDING, NOT THE ROOM NUMBERS SHOWN ON THE CONTRACT DRAWINGS, AS THEY ARE OFTEN DIFFERENT.

MOTOR COORDINATION
MOTORS, MOTOR STARTERS, CONTROLLERS, INTEGRAL DISCONNECT SWITCHES, AND CONTRACTORS SHALL BE PROVIDED WITH THEIR RESPECTIVE PIECES OF EQUIPMENT BY THE EQUIPMENT SUPPLIER. COMMUNICATE WITH THE TRADES PROVIDING THE EQUIPMENT, VERIFYING ALL REQUIREMENTS. PROVIDE ALL ELECTRICAL CONNECTIONS REQUIRED THEREIN, AND INSTALL MOTOR STARTERS.

MOTOR DISCONNECTS
ALL MOTORS SHALL HAVE DISCONNECTING MEANS.

CONNECTION DETAILS
SECURE APPROVED SHOP DRAWINGS SHOWING WIRING DIAGRAMS, ROUGH-IN AND HOOK UP DETAILS FROM OTHER INVOLVED CONTRACTORS FOR EQUIPMENT WHICH MUST BE CONNECTED ELECTRICALLY.

GENERAL DEMOLITION NOTES

GENERAL
DEMOLITION DRAWINGS ARE BASED ON EXISTING PLANS AND FIELD INVESTIGATION PRIOR TO DEMOLITION. VISIT THE EXISTING BUILDING PRIOR TO BID IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND IN ORDER TO AVOID CONFLICTS.

DEMOLITION (DASHED) ITEMS
ALL ITEMS SHOWN DASHED ON DEMOLITION PLANS, AND/OR TAGGED WITH 'DM', ARE EXISTING, AND SHALL BE REMOVED COMPLETE INCLUDING: BOXES, CONDUIT, WIRE, FASTENERS, AND ASSOCIATED APPURTENANCES, UON.

EXISTING TO REMAIN (SOLID) ITEMS
ALL ITEMS SHOWN SOLID ON DEMOLITION PLANS, AND/OR TAGGED WITH 'XR', ARE EXISTING TO REMAIN.

CIRCUITING TO REMAIN
EXISTING CIRCUITING TO REMAIN SHALL BE REROUTED OR RECONNECTED, AS REQUIRED, WHERE AFFECTED BY NEW WORK IN ORDER TO MAINTAIN CONTINUITY OF CIRCUIT.

EXISTING CONDUIT
ALL EXISTING CONDUITS AND WIRING THAT WILL NOT BE REUSED SHALL BE REMOVED WHERE THEY WILL BE EXPOSED UPON COMPLETION OF NEW WORK. EXISTING CONDUIT TO REMAIN CONCEALED IN WALLS SHALL BE ABANDONED. EXISTING CONDUIT TO REMAIN BELOW FLOOR SLAB SHALL BE CUT OFF ONE INCH BELOW ROUGH FLOOR AND GROUTED FLUSH. ALL EXISTING WIRING IN CONDUITS TO BE ABANDONED SHALL BE DISCONNECTED FROM POWER SOURCE AND REMOVED.

MOUNTING HEIGHTS
MOUNTING HEIGHTS INDICATED ARE FROM THE FINISHED FLOOR TO THE CENTERLINE OF THE WIRING DEVICE UNLESS OTHERWISE NOTED. MOUNTING HEIGHTS OF LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURE UNLESS OTHERWISE NOTED.

DEVICE LOCATIONS
COORDINATE LOCATIONS OF SWITCHES, RECEPTACLES, AND TELE/DATA OUTLETS WITH OTHER WALL MOUNTED DEVICES SUCH AS THERMOSTATS AND CONTROL STATIONS. DO NOT MOUNT WIRING DEVICES BACK TO BACK. PROVIDE MINIMUM OF ONE STUD SEPARATION.

BARRIERS
WHERE A MULTIPLE GANG BOX HAS CIRCUITS OF DIFFERENT VOLTAGES OR SYSTEMS WHICH ARE REQUIRED TO BE SEPARATED, PROVIDE THE CODE-REQUIRED SEPARATION USING A FULL HEIGHT AND DEPTH BARRIER PLATE.

FIRE PROOFING
FOR ANY WALL OR FLOOR PENETRATIONS THROUGH FIRE RATED STRUCTURES, PROVIDE FIRE-PROOFING TO SEAL ALL THE PENETRATIONS AFTER THE RACEWAY HAS BEEN INSTALLED. FIRE PROOFING FOR PENETRATIONS SHALL BE UL APPROVED PER THE PENETRATION MADE IN ORDER TO MAINTAIN FIRE RATED INTEGRITY OF THE STRUCTURE.

CLEAN UP
ON PROJECT CLOSE-OUT, CLEAN ALL ELECTRICAL DEVICES, LIGHTING FIXTURES, LAMPS AND LENSES, AND REMOVE ALL PAINT SPATTERS FROM DEVICES, FIXTURES, AND PLATES. REPLACE ALL INOPERATIVE LAMPS.

OWNER FURNISHED EQUIPMENT
CONTRACTOR SHALL OBTAIN CUT SHEETS, INSTALLATION DATA, AND ROUGH-IN REQUIREMENTS FOR OWNER FURNISHED, CONTRACTOR INSTALLED EQUIPMENT AND COORDINATE ROUGH-IN AND POWER REQUIREMENTS WITH THE OWNER'S REPRESENTATIVE PRIOR TO STARTING ANY ASSOCIATED WORK.

CONDUIT ROUTING
ALL CONDUIT RUN OVERHEAD SHALL BE RUN AT THE BOTTOM OF THE FLOOR, ROOF STRUCTURE, OR LOWEST CHORD OF JOIST SPACE (AS APPLICABLE) ABOVE IN ORDER TO AVOID CONFLICTS WITH OTHER TRADES. ALL CONDUITS SHALL BE RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES AND USE RIGHT ANGLE OFFSETS TO CHANGE DIRECTION.

WIRING DEVICES
ALL RECEPTACLES AND SWITCHES SHALL BE LABELED WITH PLASTIC LAMINATED LABEL WITH THE PANELBOARD DESIGNATION AND CIRCUIT NUMBER FROM WHICH IT IS FED.

EQUIPMENT DEMONSTRATION
PROVIDE A DEMONSTRATION OF THE OPERATION OF ALL ELECTRICAL COMPONENTS UPON REQUEST OF THE OWNER. REFER TO SPECIFICATION SECTION 280501 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

CEILING PLENUM
ALL WIRING THAT WILL NOT BE RUN IN CONDUIT SHALL BE PLENUM RATED.

TEMPORARY ELECTRICAL SERVICE
PROVIDE TEMPORARY ELECTRICAL SERVICE AS REQUIRED FOR CONSTRUCTION PROJECT. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

UNDERGROUND WORK
THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE CONSTRUCTION AREA THREE WORKING DAYS PRIOR TO DIGGING. NOTIFY THE STATE AUTHORITY HAVING JURISDICTION AND AWAIT THE REQUIRED TIME BEFORE COMMENCING EXCAVATION.

CONFLICT NOTIFICATION
NOTIFY THE OWNER'S REPRESENTATIVE, ARCHITECT, AND ENGINEER PRIOR TO PROCEEDING WITH WORK IF A CONFLICT IS FOUND BETWEEN THE DRAWINGS, SPECIFICATIONS, AND/OR FIELD CONDITIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS AND CONSEQUENCES IF THE ABOVE LISTED PARTIES ARE NOT CONTACTED FOR A RESOLUTION PRIOR TO PROCEEDING WITH THE WORK.

WIRE SIZE NOTE
ALL 15A AND 20A BRANCH AND LIGHTING CIRCUITS OVER 100 FEET IN LENGTH SHALL UTILIZE #10 AWG FOR HOT CONDUCTORS AND #12 FOR GROUND CONDUCTORS UNLESS OTHERWISE NOTED ON DRAWINGS OR SPECIFICATIONS.

REPAIR DAMAGE
EXERCISE CARE IN REMOVAL OF DEMOLITION ITEMS. REPAIR, AT NO ADDITIONAL COST TO OWNER, AND DAMAGE CAUSE TO EXISTING CONSTRUCTION AND/OR EQUIPMENT TO REMAIN.

KNOCKOUT PLUGS AND COVERS
ALL CONDUIT REMOVED SHALL BE REMOVED IN ITS ENTIRETY, INCLUDING FITTINGS, MOUNTING DEVICES, MOUNTING HARDWARE, ETC. PROVIDE CONDUIT PLUGS AND BLANKS FOR ALL OPENINGS CREATED BY THE REMOVAL OF CONDUIT. PROVIDE BLANK COVER PLATES FOR ALL OPENED OUTLET BOXES CREATED BY THE REMOVAL OF THE EQUIPMENT AND/OR DEVICES.

DEMOLISHED MATERIALS
ALL MATERIALS REMOVED UNDER DEMOLITION, NOT TO BE RELOCATED OR DESIGNATED TO BE TURNED OVER TO THE OWNER, SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED COMPLETELY FROM THE SITE.

SCHEDULE OUTAGES
ALL WORK AND ALL POWER OUTAGES IN THE EXISTING BUILDING SHALL BE SCHEDULED AT TIMES CONVENIENT TO THE OWNER.

NOTIFICATION
NOTIFY THE OWNER PRIOR TO TURNING OFF ANY CIRCUITS.

EXISTING CIRCUITS
IF DURING THE COURSE OF CONSTRUCTION, IT IS DETERMINED BY THE CONTRACTOR THAT AN EXISTING CIRCUIT BECOMES SPARE, THE CONTRACTOR SHALL UPDATE THE PANELBOARD DIRECTORY TO INDICATE SUCH, EVEN IF IT IS NOT EXPLICITLY MARKED ON THE ELECTRICAL PLANS.

TELE/DATA

WALL MOUNTED TELE/DATA OUTLET, 4"x4"x2 1/4" BOX WITH SINGLE GANG PLASTER RING, WITH 1" C STUBBED ABOVE ACCESSIBLE CEILING AND TERMINATED WITH INSULATED BUSHING. XD INDICATES DATA CABLE COUNT. XV INDICATES VOICE CABLE COUNT

WALL MOUNTED VOICE OUTLET, 4"x4"x2 1/4" BOX WITH SINGLE GANG PLASTER RING, WITH 3/4" C STUBBED ABOVE ACCESSIBLE CEILING AND TERMINATED WITH INSULATED BUSHING. XV INDICATES VOICE CABLE COUNT FROM OUTLET TO PATCH PANEL

WALL MOUNTED DATA OUTLET, 4"x4"x2 1/4" BOX WITH SINGLE GANG PLASTER RING, WITH 3/4" C STUBBED ABOVE ACCESSIBLE CEILING AND TERMINATED WITH INSULATED BUSHING. XD INDICATES DATA CABLE COUNT FROM OUTLET TO PATCH PANEL

DATA OUTLET FOR WIRELESS ACCESS POINT, PROVIDE 4"x4"x2 1/4" D BOX SECURED IN CEILING OR WALL FOR CONNECTION OF WAP WITH 1" C STUBBED ABOVE ACCESSIBLE CEILING AND TERMINATED WITH INSULATED BUSHING

TELE/DATA POKE-THRU. XD INDICATES DATA CABLE COUNT. XV INDICATES VOICE CABLE COUNT

TELEPHONE/DATA SYSTEM DISTRIBUTION EQUIPMENT RACK

SECURITY

CARD READER. PROVIDE DOUBLE GANG BOX WITH 3/4" C FROM CARD READER LOCATION TO HEAD END SECURITY RACK. PROVIDE ALL CABLING AS REQUIRED.

FIXED POSITION CAMERA.

GENERAL

NUMBERED NOTE

DETAIL OR SECTION NOTATION

INDICATES CONTINUATION OF LINE

BRANCH CIRCUIT WIRING

NORMAL EMERGENCY CIRCUIT WIRING

UNINTERRUPTIBLE POWER SUPPLY CIRCUIT WIRING

HOMERUN BACK TO PANELBOARD

INDICATES MOUNT DEVICES ABOVE COUNTER TOP

POWER

JUNCTION BOX FLUSH IN GROUND

JUNCTION BOX ABOVE CEILING

EQUIPMENT CONNECTION

MOTOR CONNECTION

CORD REEL

CEILING FAN CONNECTION

MOTOR STARTING SWITCH

DISCONNECT SWITCH. FRAME AND FUSE AS NOTED

FUSED DISCONNECT SWITCH. FRAME AND FUSE AS NOTED.

ENCLOSED CIRCUIT BREAKER. FRAME AND TRIP AS NOTED

EXISTING PANELBOARD

PANELBOARD




MOTOR STARTER

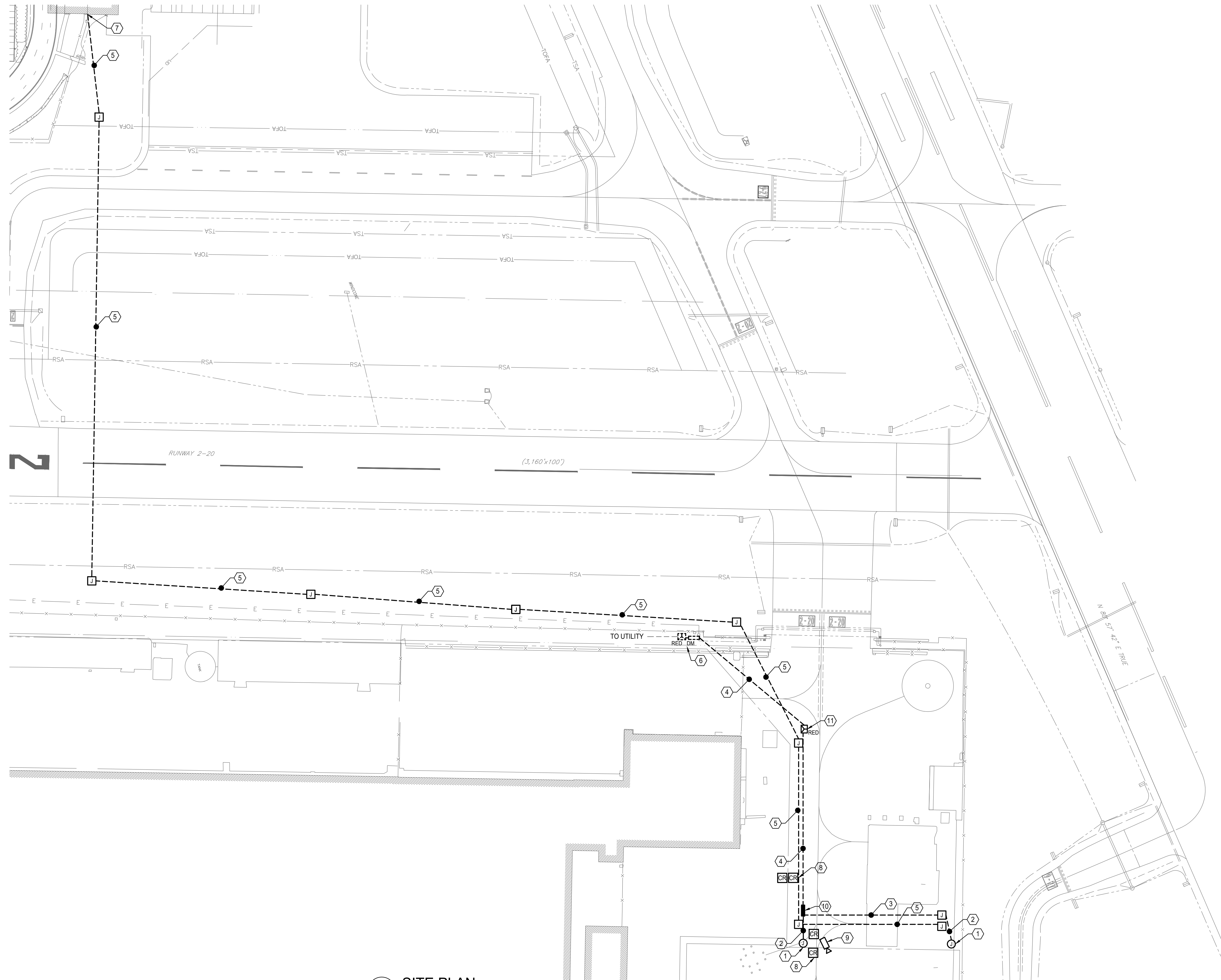
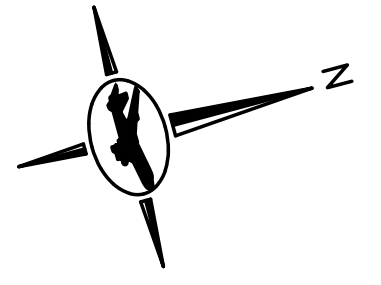
MOTOR STARTER AND DISCONNECT SWITCH

TRANSFORMER

ABBREVIATIONS

A AMPERE
ADM ADMINISTRATOR
AFF ABOVE FINISHED FLOOR
AFG ABOVE FINISHED GRADE
AIC AMPERE INTERRUPTING CURRENT
AV AUDIO/VISUAL
BFG BELOW FINISHED GRADE
C CONDUIT
DM DEMOLISH
DO DOOR OPEN
EPO EMERGENCY POWER OFF
FSS FUSED SAFETY SWITCH
FU FUSE
G GROUND FAULT CIRCUIT INTERRUPTER
GC GENERAL CONTRACTOR
GND GROUND
HOA HAND-OFF INTERRUPTER
HP HORSE POWER
HVAC HEATING VENTILATING, AND AIR CONDITIONING
IR INFRARED
IG ISOLATED GROUND
JB JUNCTION BOX
K KEY
KVA KILO-VOLT AMPERE
KW KILO-WATT
LTC LIGHTING
LV LOW VOLTAGE
LVC LOW VOLTAGE CONTRACTOR
M MOTOR
MCA MINIMUM CIRCUIT AMPS
MC MECHANICAL CONTRACTOR
MCB MAIN CIRCUIT BREAKER
ML MULTI-LINE
MLO MAIN LUGS ONLY
NE NORMAL / EMERGENCY
NEC NATIONAL ELECTRICAL CODE
NIC NOT IN CONTRACT
NTS NOT TO SCALE
OC ON CENTER
OFCI OWNER FURNISHED CONTRACTOR INSTALLED
P POLE
PH PHASE
PNL PANEL
RED RELOCATED EXISTING DEVICE
REF REFRIGERATOR
REL RELOCATE
SPD SURGE PROTECTIVE DEVICE
SW SWITCH
TL TWIST LOCK
TYP TYPICAL
UGC UNDERGROUND COMMUNICATIONS
UGE UNDERGROUND ELECTRIC
UF UNDERGROUND FIBER
UPS UNINTERRUPTED POWER SUPPLY
USB UNIVERSAL SERIAL BUS
UT UNDERGROUND TELEPHONE
UON UNLESS OTHERWISE NOTED
V VOLTS
VFD VARIABLE FREQUENCY DRIVE
W WATTS
WM WALL MOUNTED
WR WEATHER RESISTANT
WT WATER TIGHT
XFMR TRANSFORMER
XR EXISTING TO REMAIN
XRN EXISTING TO BE REPLACED WITH NEW

CONSULTANT:  5285 Westview Drive Suite 203 Frederick, MD 21703 P 301.695.9424 CJL Project # 23-0826	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. 45511 EXPIRATION DATE: 6/13/24	DESIGNED: ALD DRAWN: ALD CHECKED: CPM APPROVED: CPM	REVISION NO. 1 REVISION DATE: 07/02/2024 DESCRIPTIONS: ADDENDUM #1		PROJECT TITLE: ARFF DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT	FAA AIP No.: 324-0019071-2024 Bid No.: PUR-1695
		SHEET TITLE: ELECTRICAL COVER SHEET		SHEET NO.: E0.1			
		SCALE: AS SHOWN	DATE: JUNE 2024	42 OF 45			



GENERAL NOTES

1. ALL UTILITIES NOT MODIFIED UNDER THIS PROJECT SHALL REMAIN IN SERVICE.
2. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
3. COORDINATE ALL UTILITY METER, TRANSFORMER, AND PANEL RELOCATION WITH IRWIN MILLER (IRWINM@FIRSTENERGYCORP.COM).
4. ALL EQUIPMENT LOCATIONS SHOWN AS DIAGRAMMATIC. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL PLANS.

NUMBERED NOTES

- ① MAKE ALL FINAL CONNECTIONS TO MOTORIZED GATE AND HEAT TRACING. UTILIZE CIRCUITS AS INDICATED ON PANEL GATE 170 SCHEDULE.
- ② PROVIDE 2" CONDUIT UNDERGROUND FROM JUNCTION CAN TO GATE CONNECTION.
- ③ PROVIDE 2" CONDUIT INSTALLED BELOW PAVEMENT FOR POWER TO GATE.
- ④ PROVIDE 4" CONDUIT UNDERGROUND FROM RELOCATED TRANSFORMER TO RELOCATED METER/PANEL/RACK LOCATION.
- ⑤ PROVIDE 2" CONDUIT UNDERGROUND FOR FIBER OPTIC CABLE.
- ⑥ RELOCATE EXISTING TRANSFORMER AND METER AS INDICATED ON DRAWING. PROVIDE NEW PANEL, MOUNTING STANCHION, AND LOW VOLTAGE ENCLOSURE. PROVIDE UNDERGROUND PULL BOX IN TRANSFORMER LOCATION FOR EXTENSION OF EXISTING UTILITY CONNECTION. COORDINATE PULL BOX REQUIREMENTS WITH UTILITY COMPANY. EXTEND EXISTING CONDUIT AND POWER CABLE TO MATCH EXISTING.
- ⑦ FIBER CABLE TO BE EXTENDED TO EXISTING TERMINAL BUILDING PATCH PANEL. REFER TO DRAWING E0.3 FOR EXTENSION OF CONDUIT.
- ⑧ PROVIDE HID MULTICLASS SE RK40 OR APPROVED EQUAL ACCESS CONTROL DEVICE MOUNTED ON SWITCH GANG BOX ON BOTH SIDES OF PEDESTRIAN AND TELESCOPING GATE. CONNECT ACCESS CONTROL DEVICES TO TERMINAL BUILDING PATCH PANEL. PROVIDE ELECTRIC GATE LOCK WITH KEYSWITCH AND FAIL-SECURE CAPABILITIES (SDC GATELOK GL 263AH OR APPROVED EQUAL). PROVIDE ALL REQUIRED COMPONENTS AND HARDWARE TO INTEGRATE WITH PEDESTRIAN GATE. PROVIDE LOW VOLTAGE CABLING FROM BUILDING IT ROOM OR COORDINATE 120V CONTROL POWER TRANSFORMER LOCATED IN EXTERIOR RATED BOX CONNECTED TO SPARE BREAKER IN PANEL GATE 170.
- ⑨ PROVIDE AXIS P37 PANORAMIC CAMERA OR APPROVED EQUAL. PROVIDE ALL REQUIRED MOUNTING HARDWARE. CONNECT CAMERA TO TERMINAL BUILDING PATCH PANEL.
- ⑩ PROVIDE NEW STANCHION MOUNTING FOR ELECTRICAL EQUIPMENT TO MATCH EXISTING. RELOCATE EXISTING METER AND ASSOCIATED SOCKET TO THIS LOCATION. PROVIDE NEW ELECTRICAL PANEL IN NEMA 3R ENCLOSURE. PROVIDE NEW 30"x30"x8" NEMA 3R ENCLOSURE FOR LOW VOLTAGE EQUIPMENT.
- ⑪ CONTRACTOR TO PROVIDE PAD FOR RELOCATED TRANSFORMER TO MATCH EXISTING. COORDINATE ALL PAD REQUIREMENTS WITH UTILITY COMPANY.

1 SITE PLAN
E0.2 1" = 60'-0"

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EXPIRATION DATE: 6/13/24

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ALD	1	07/02/2024	ADDENDUM #1
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ALD			
CHECKED:			
CPM			
APPROVED:			
CPM			

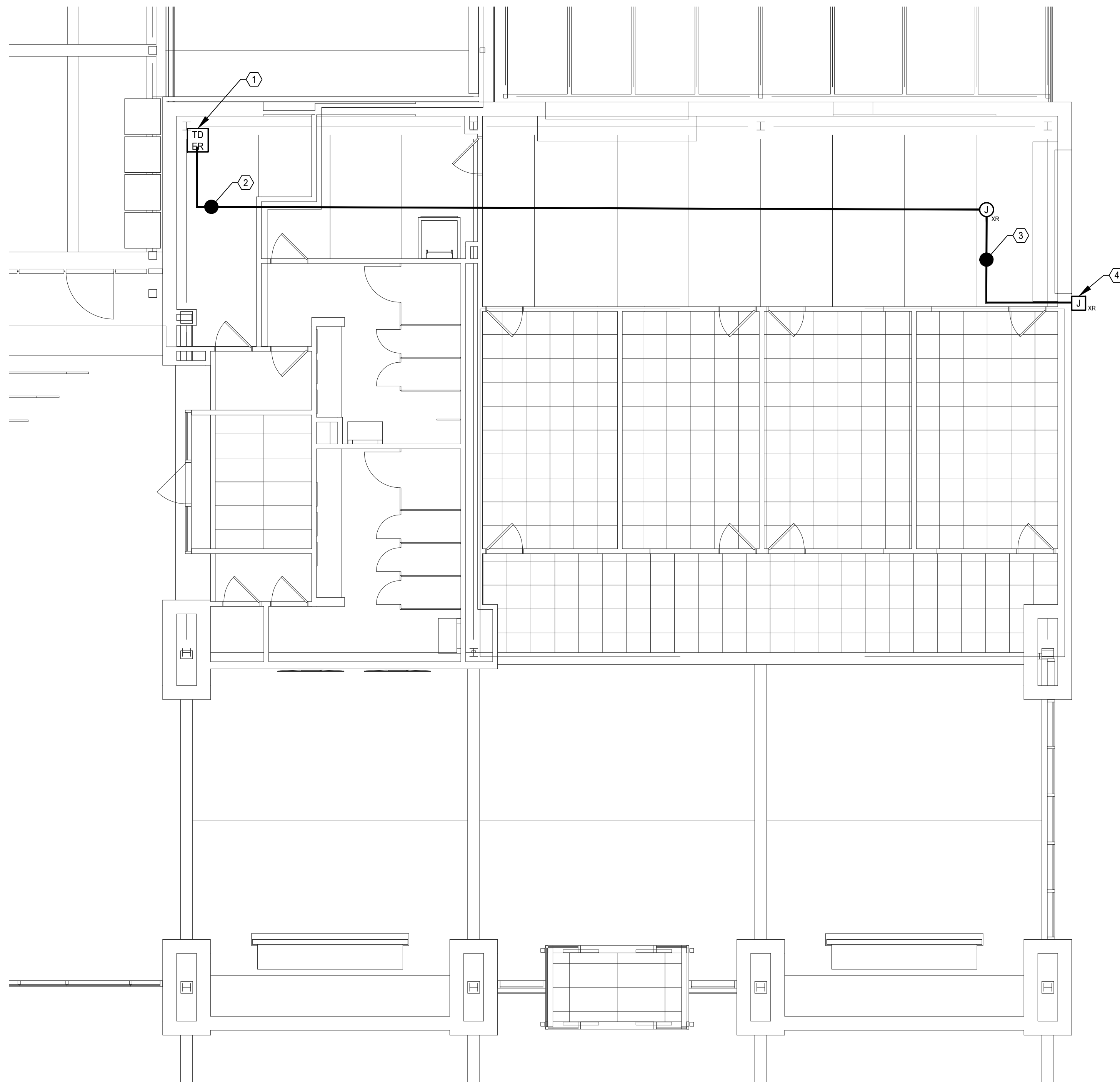
HAGERSTOWN REGIONAL AIRPORT
Washington County, MD

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

FAA AIP No.: 324-0019071-2024
Bid No.: PUR-1695

SHEET NO.: **E0.2**

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GENERAL NOTES

1. ALL UTILITIES NOT MODIFIED UNDER THIS PROJECT SHALL REMAIN IN SERVICE.

NUMBERED NOTES

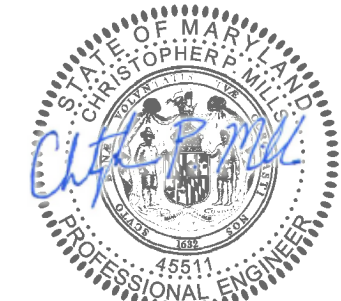
1. EXTEND FIBER CABLING FROM INTERIOR COMMUNICATIONS PATCH PANEL TO OUTDOOR COMMUNICATIONS RACK LOCATED ON SHEET E0.2.
2. EXTEND 2" CONDUIT FROM EXISTING COMMUNICATIONS BOX MOUNTED IN CEILING TO INTERIOR PATCH PANEL TO MATCH EXISTING.
3. UTILIZE EXISTING CONDUIT IN CEILING SPACE TO INSTALL FIBER OPTIC CABLE WITHIN TERMINAL BUILDING.
4. UTILIZE EXISTING JUNCTION BOX AND CONDUIT BUILDING PENETRATION TO INSTALL FIBER OPTIC CABLE.

1
E0.3
TERMINAL BUILDING
NOT TO SCALE

CONSULTANT:

CJL ENGINEERING
5285 Westview Drive
Suite 203
Frederick, MD 21703
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1	07/02/2024	ADDENDUM #1

DESCRIPTIONS

BID DOCUMENTS



HAGERSTOWN REGIONAL AIRPORT
Washington County, MD

PROJECT TITLE:

ARFF DEMOLITION;
AOA FENCE/ACCESS GATE REALIGNMENT

SHEET TITLE:

ELECTRICAL FLOOR PLAN

SCALE:

AS SHOWN

DATE:

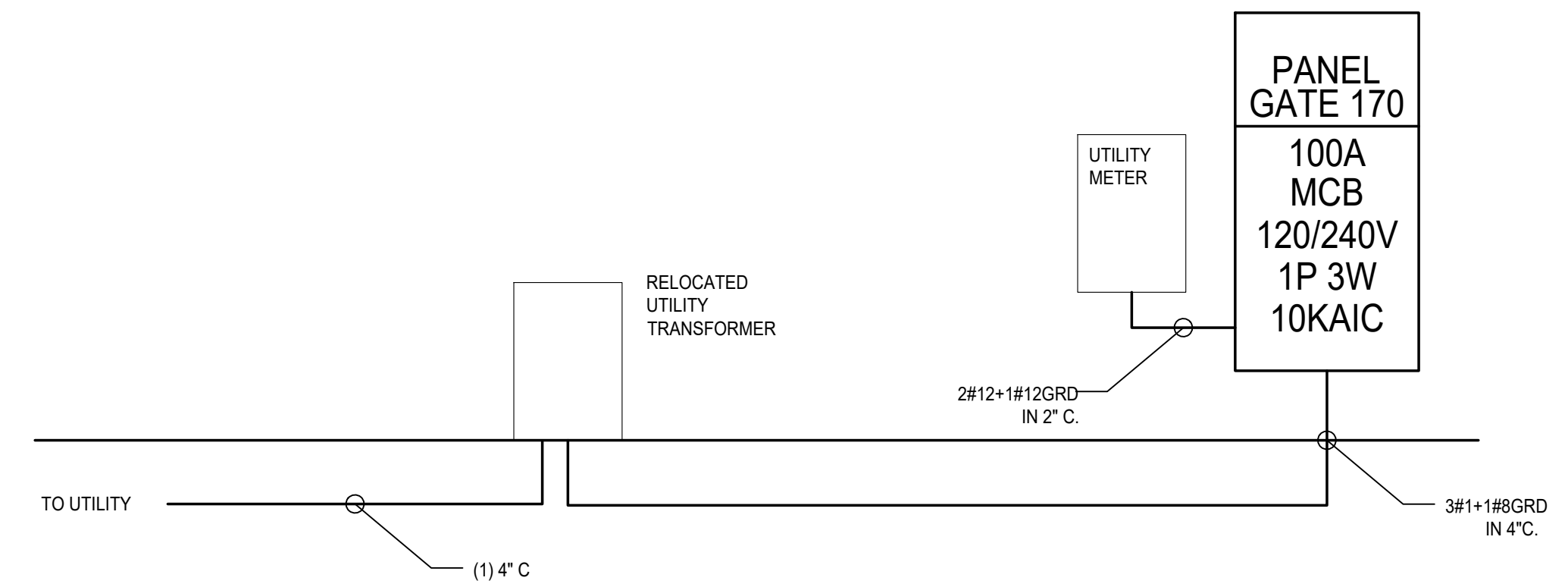
JUNE 2024

FAA AIP No.: 324-0019-071-2024
Bid No.: PUR-1695

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1
E0.4 ELECTRICAL RISER DIAGRAM
NOT TO SCALE

PANELBOARD GATE 170										SURFACE MOUNTED						
100 AMP MAIN CIRCUIT BREAKER										100 AMP TRIP						
M.C.B. TYPE: 240 / 120 1 Phase 3 Wire										60 HZ 125 AMP BUS						
										PROVIDE 10,000 AIC						
CKT. NO.	CKT. BKR.	WIRE	GND	CON	LOAD SERVED	LOAD [kVA]		LOAD [kVA]		LOAD SERVED	CON	GND	WIRE	CKT. BKR.		CKT. NO.
						A	B	A	B							
1	30	2	10	3/4"	ACCESS GATE	1.40	1.40	1.40	1.40	ACCESS GATE	3/4"	10	10	2	30	2
3																4
5	20	2	12	3/4"	HEAT TRACING	0.90	0.90	0.90	0.90	HEAT TRACING	3/4"	12	12	2	20	6
7																8
9	20	1	12	3/4"	SECURITY DEVICES	0.10				SPARE				1	20	10
11	20	1			SPARE					SPARE				1	20	12
13	20	1			SPARE					SPARE				1	20	14
15	20	1			SPARE					SPARE				1	20	16
17	15	2			SPARE					SPARE				2	15	18
19																20
21	1													1		22
23	1													1		24
25	1													1		26
27	100	2			MAIN BREAKER									1		28
29														1		30
PHASE CONNECTED LOAD [kVA]						2.40	2.30	2.30	2.30	NON-CONTINUOUS LOAD [kVA] @ 100%						0.00
TOTAL CONNECTED LOAD [kVA]						A	4.70	B	4.60	CONTINUOUS LOAD [kVA] @125%						0.13
TOTAL CONNECTED LOAD [A]						9.30				RECEPTACLE LOAD [kVA]						0.00
						38.75				LARGER LOAD [kVA] AC OR HTG						3.60
										KITCHEN LOAD [kVA] @ 100%						0.00
										MOTORS [kVA]						2.80
										LARGEST MOTOR [kVA] @125%						3.50
TOTAL DIVERSIFIED LOAD [A]						41.77				TOTAL DIVERSIFIED LOAD [kVA]						10.03

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CPM			
APPROVED:			
CPM			

HAGERSTOWN REGIONAL AIRPORT
Washington County, MD

PROJECT TITLE: ARFF DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT
SHEET TITLE: ELECTRICAL SCHEDULES AND DETAILS
SCALE: AS SHOWN
DATE: JUNE 2024

FAA AIP No.: 3-24-0019-071-2024
Bid No.: PUR-1695
SHEET NO.: E0.4
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