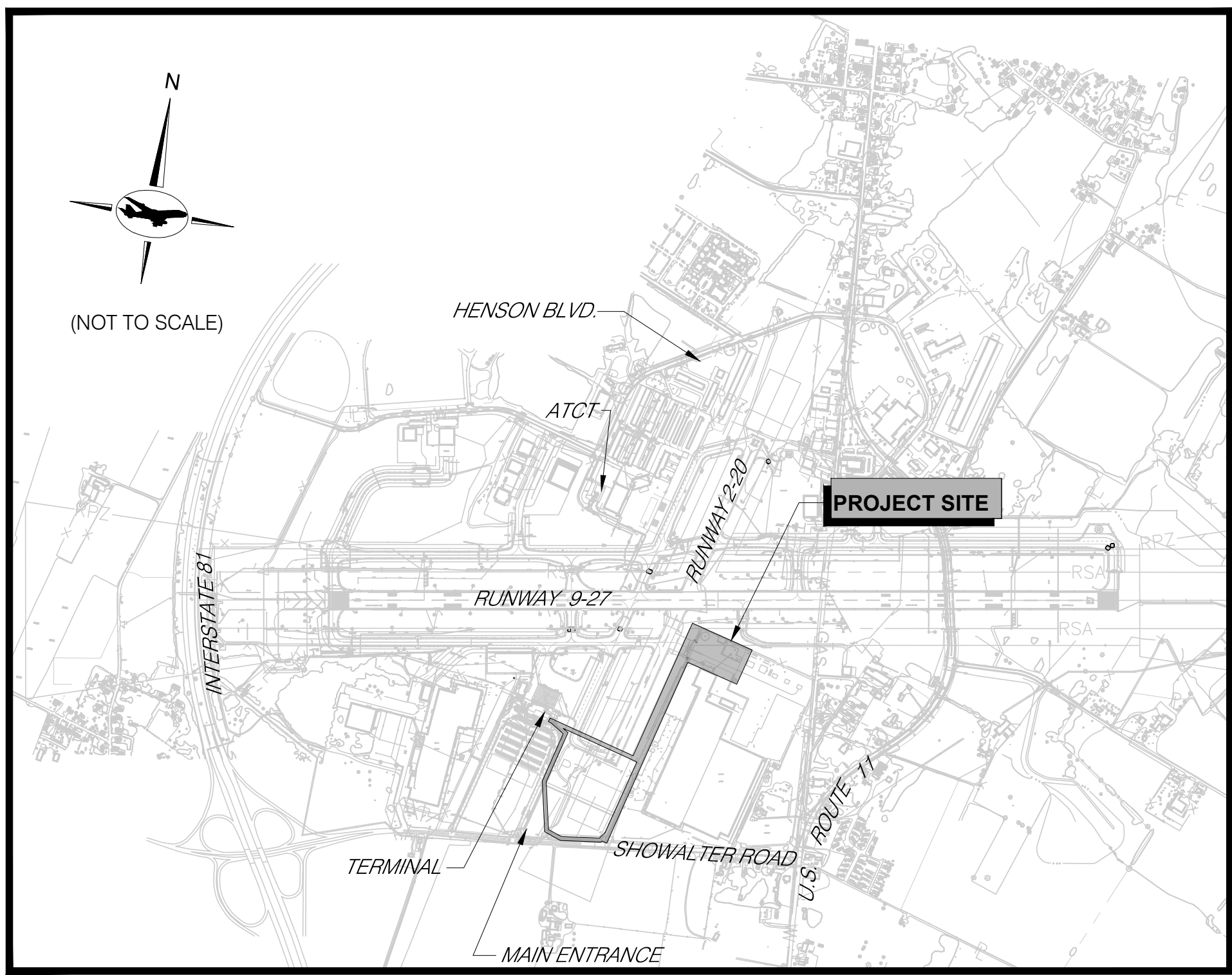




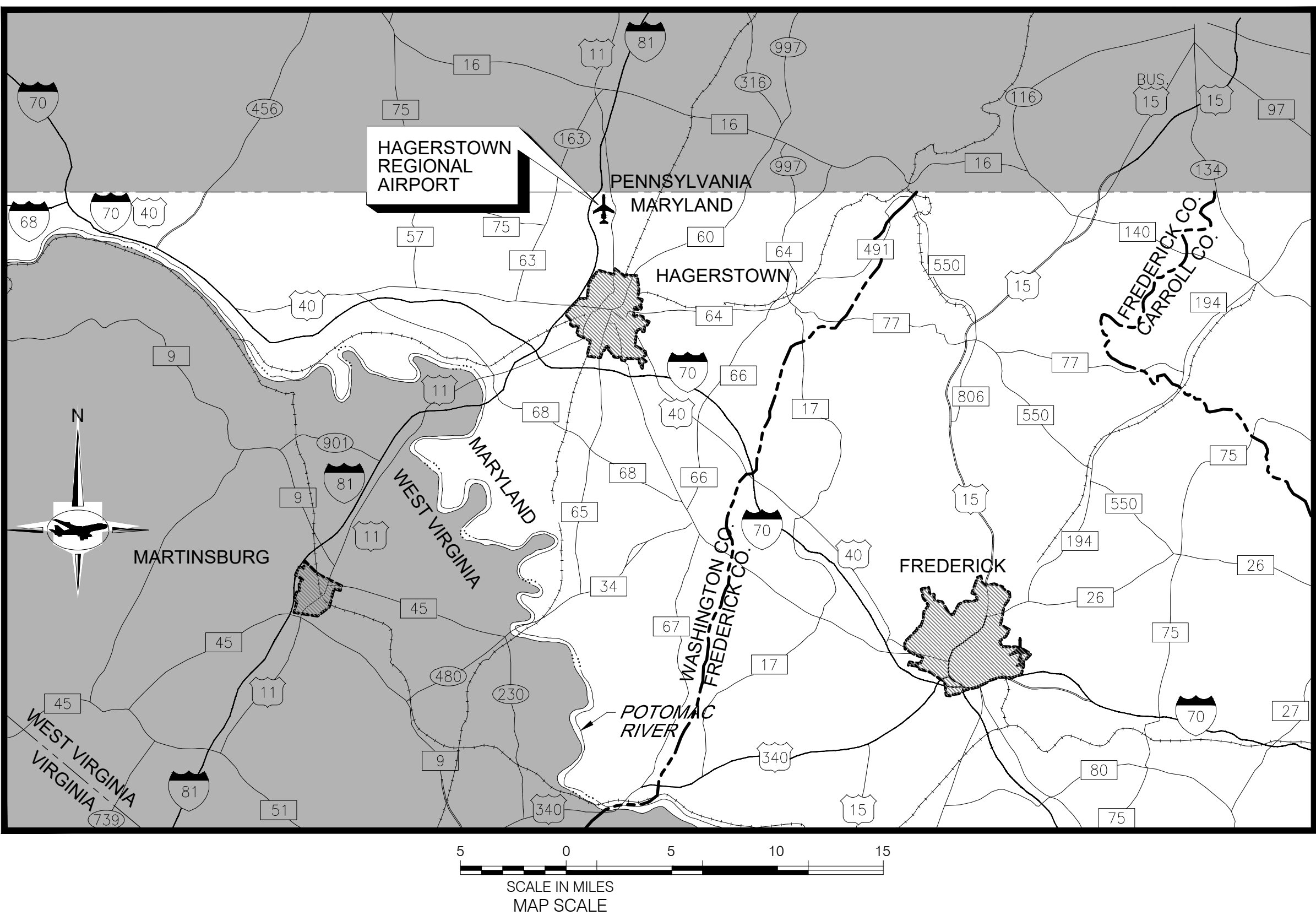
**HAGERSTOWN
REGIONAL AIRPORT**
Washington County, MD

ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT
A.I.P. No. 3-24-0019-071-2024
BID No. PUR-1744
BID DOCUMENTS
APRIL 2025

VICINITY MAP



LOCATION MAP



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

**FOX
& ASSOCIATES, INC.**
Est. 1966
FOX & ASSOCIATES, INC.
981 MT. AETNA ROAD
HAGERSTOWN, MD 21740
TEL: 301.733.8503
FAX: 301.733.1853

APPROVED:
WASHINGTON COUNTY DIVISION OF PLAN REVIEW & PERMITTING

SIGNATURE _____ DATE: _____

**HAGERSTOWN
REGIONAL AIRPORT**
Washington County, MD

HAGERSTOWN REGIONAL AIRPORT

APPROVED _____ DATE _____

DRAWING INDEX		
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2	GI002	DRAWING INDEX AND SCHEDULE OF QUANTITIES
3	GI003	GENERAL CONSTRUCTION AND SAFETY NOTES 1
4	GI004	GENERAL CONSTRUCTION AND SAFETY NOTES 2
5	GC100	GENERAL PROJECT LAYOUT
6	GC101	SURVEY CONTROL AND BASELINE PLAN
7	VS100	MAXIMUM EQUIPMENT HEIGHT PLAN
8	GC110	OVERALL CONSTRUCTION SAFETY AND PHASING PLAN
9	GC111	CONSTRUCTION SAFETY AND PHASING PLAN 1
10	GC112	CONSTRUCTION SAFETY AND PHASING PLAN 2
11	GC113	CONSTRUCTION SAFETY AND PHASING PLAN 3
12	GC500	CONSTRUCTION SAFETY PHASING NOTES AND DETAILS
CIVIL		
13	CD101	EXISTING CONDITIONS AND DEMOLITION PLAN 1
14	CD102	EXISTING CONDITIONS AND DEMOLITION PLAN 2
15	CD500	EXISTING CONDITIONS AND DEMOLITION DETAILS 1
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17	CD502	EXISTING CONDITIONS AND DEMOLITION DETAILS 3
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33	CU102	UTILITY PLAN 3 - BASE BID
34	CU103	UTILITY PLAN 1 - ADD ALTERNATE NO. 1
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36	CU105	UTILITY PLAN 3 - ADD ALTERNATE NO. 1
37	CU106	UTILITY PLAN 4
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FOX AND ASSOCIATES (SITE SPECIFIC GRADING PLAN)		
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41	ES101	DEMOLITION/SITE PLAN 1
42	ES102	DEMOLITION/SITE PLAN 2
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44	ES104	NOTES AND DETAILS
CJL ENGINEERING (ELECTRICAL/UTILITIES)		
45	E0.1	ELECTRICAL COVER SHEET
46	E0.2	SITE PLAN
47	E0.3	ELECTRICAL FLOOR PLAN
48	E0.4	ELECTRICAL SCHEDULES AND DETAILS


SHEET RESPONSIBILTY NOTE

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

QUANTITY TABLE - BASE BID				
ITEM	DESCRIPTION	UNIT	BID QUANTITIY	AS-BUILT QUANTITY
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	1,100	
P-620-5.1	PERMANENT PAVEMENT MARKING	SF	6,000	
F-162-5.1	10' CHAIN-LINK FENCE WITH BARBED WIRE INSTALLATION	LF	2,000	
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	1,300	
L-108-5.2	FIBER OPTIC CABLE IN 2" CONDUIT, INSTALLED COMPLETE IN PLACE THROUGH PAVEMENT	LF	60	
L-108-5.3	FIBER OPTIC CABLE IN EXISTING 2" CONDUIT, INSTALLED COMPLETE IN PLACE MOUNTED ON FENCE OR UNDERGROUND	LF	1,800	
L-108-5.4	FIBER OPTIC CABLE IN PROPOSED 2" CONDUIT, INSTALLED COMPLETE IN PLACE MOUNTED ON FENCE	LF	775	
L-108-5.5	ELECTRIC CABLE IN 4" CONDUIT, INSTALLED COMPLETE IN PLACE THROUGH TURF	LF	30	
L-108-5.6	ELECTRIC CABLE IN 2" CONDUIT, INSTALLED COMPLETE IN PLACE THROUGH PAVEMENT	LF	60	
L-108-5.7	RECONNECT/REPAIR EXISTING CONDUIT MOUNTED ON FENCE FOR FIBER OPTIC CABLE INSTALLATION (INCLUDES EXISTING CABLE REMOVAL)	ALLOW	1	
L-110-5.1	DIRECTIONAL BORING, FIBER OPTIC CABLE IN HDPE CONDUIT, 1 WAY 2-INCH	LF	680	
L-110-5.2	DIRECTIONAL BORING, ELECTRIC CABLE IN HDPE CONDUIT, 1 WAY 4-INCH	LF	475	
L-110-5.3	DIRECTIONAL BORING, ELECTRIC CABLE IN HDPE CONDUIT, 1 WAY 2-INCH	LF	450	
L-115-5.1	ELECTRICAL JUNCTION CAN	EA	10	
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	
L-119-5.1	OBSTRUCTION LIGHTS, INSTALLED COMPLETE IN PLACE MOUNTED ON FENCE	EA	2	
T-901-5.1	SEEDING	LS	1	


QUANTITY TABLE - ADD ALTERNATE NO. 1				
ITEM	DESCRIPTION	UNIT	BID QUANTITIY	AS-BUILT QUANTITY
M-100-4.2	MAINTENANCE AND PROTECTION OF TRAFFIC AND CSPP	LS	1	
C-105-6.2	MOBILIZATION	LS	1	
L-108-5.8	DEDUCT FIBER OPTIC CABLE IN EXISTING 2" CONDUIT, INSTALLED COMPLETE IN PLACE MOUNTED ON FENCE OR UNDERGROUND	LF	(1,800)	
L-108-5.9	DEDUCT FIBER OPTIC CABLE IN PROPOSED 2" CONDUIT, INSTALLED COMPLETE IN PLACE MOUNTED ON FENCE	LF	(775)	
L-108-5.10	DEDUCT FIBER OPTIC CABLE IN 2" CONDUIT, INSTALLED COMPLETE IN PLACE THROUGH TURF	LF	(55)	
L-110-5.4	DIRECTIONAL BORING, FIBER OPTIC CABLE IN HDPE CONDUIT, 1 WAY 2-INCH	LF	700	
L-115-5.5	ELECTRICAL JUNCTION CAN	EA	2	
T-901-5.2	SEEDING	LS	1	

CONSULTANT:



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

SEAL:



PROFESSIONAL CERTIFICATION:

"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND"

LICENSE NO. 32705

EXPIRATION DATE: 02/21/2026

DESIGNED: B.J.D.

DRAWN: J.A.A.


CHECKED: V.J.D.

APPROVED: R.N.M.

REVISION NO.

REVISION DATE

DESCRIPTIONS



HAGERSTOWN REGIONAL AIRPORT
Washington County, MD

BID DOCUMENTS

PROJECT TITLE:

ARFF BUILDING DEMOLITION;
AOA FENCE/ACCESS GATE REALIGNMENT

SHEET TITLE:

DRAWING INDEX AND SCHEDULE OF QUANTITIES

SCALE:

N.A.

DATE:

APRIL 2025

FAA AIP No.: 3240019-071-2024
Bid No.: PUR-1744
Grading Permit No.: SGP-24-040

SHEET NO.:

G1002

2 OF 48

FILE NAME: O:\HGR\Projects\2023-1307 ARFF Demo-Fence\CAD\SHEETS\I0002_G1002_DRAWING INDEX AND SCHEDULE OF QUANTITIES.dwg LAYOUT NAME: G1002 USER: jarden PLOTTED: Wednesday, April 02, 2025 - 10:53am

GENERAL CONSTRUCTION NOTES:

1.

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.
2.

THE PROJECT 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.
3.

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.
4.

HAGERSTOWN REGIONAL AIRPORT (HGR) 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.
5.

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.
6.

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.
7.

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.
8.

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.
9.

ALL MATERIALS THAT ARE SALVAGEABLE AND ARE DESIRED BY AIRPORT MAINTENANCE SHALL BE TURNED OVER TO THE AIRPORT. REFER TO APPENDIX B, SITE HEALTH AND SAFETY PLAN, AND APPENDIX C, LIMITED SUPPLEMENTAL ASBESTOS-CONTAINING MATERIALS SURVEY REPORT, IN THE PROJECT MANUAL FOR DISPOSAL INFORMATION. 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.

10.

THE CONTRACTOR SHALL CONDUCT HIS ACTIVITIES IN A SAFE MANNER AS SPECIFIED IN THE SECTION TITLED, "CONTRACTORS SAFETY REQUIREMENTS DURING CONSTRUCTION" ON THIS SHEET.
11.

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.
12.

ALL CONSTRUCTION EQUIPMENT IS LIMITED TO A MAXIMUM HEIGHT OF 25 FEET. IF ANY EQUIPMENT IS GOING TO BE HIGHER THAN 25 FEET, CONTRACTOR MUST COORDINATE WITH RPR AND SEPARATE FAA 7460 AIRSPACE ANALYSIS MAY HAVE TO BE PERFORMED. THESE CAN TAKE UP TO 90 CALENDARS DAYS (TYP) TO RECIEVE A DETERMINATION FROM THE FAA TO ALLOW ITS USE ON THE PROJECT.
13.

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.
14.

BASE MAPPING FOR THIS PROJECT IS BASED ON MAPPING PROVIDED BY FOX & ASSOCIATES IN OCTOBER 2020.
15.

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.
16.

THE CONTRACTOR MUST OBTAIN ALL APPROPRIATE PERMITS FROM THE PROPER GOVERNMENT AGENCIES NOT SPECIFICALLY IDENTIFIED AS BEING IN PLACE IN THESE DOCUMENTS AT THEIR OWN EXPENSE. THIS INCLUDES, BUT IS NOT LIMITED TO, OBTAINING PERMITS 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:

- A.

FEDERAL AVIATION ADMINISTRATION (FAA) ADVISORY CIRCULARS (AC), ORDERS AND FEDERAL AVIATION REGULATIONS (FAR).

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 ONLINE AT [HTTPS://WWW.FAA.GOV/](https://www.faa.gov/).

1.

AC 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", CURRENT EDITION, SETS FORTH GUIDELINES TO ASSIST AIRPORT OPERATORS IN COMPLYING WITH FAR PART 139, "CERTIFICATION AND OPERATION: LAND AIRPORTS SERVING CERTAIN AIR CARRIERS" AND WITH THE REQUIREMENTS OF FEDERALLY FUNDED CONSTRUCTION PROJECTS.

2.

FAR PART 77 "OBJECTS AFFECTING NAVIGABLE AIRSPACE, CURRENT EDITION

(A)

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.

(B)

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.

3.

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:

(A)

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.

(B)

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.

(C)

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.

(D)

SAFETY AREA - THE SURFACE ADJACENT TO RUNWAYS, TAXIWAYS, AND TAXILANES OVER WHICH AIRCRAFT SHOULD, IN DRY WEATHER, BE ABLE TO CROSS AT NORMAL SPEEDS WITHOUT INCURRING SIGNIFICANT DAMAGE. A SAFETY AREA IS GRADED, DRAINED AND COMPACTED. IT IS FREE OF ANY HOLES, TRENCHES, BUMPS OR OTHER SIGNIFICANT SURFACE VARIATIONS OR OBJECTS OTHER THAN THOSE WHICH MUST BE THERE BECAUSE OF THEIR ESSENTIAL AERONAUTICAL FUNCTION. THE SAFETY AREA REQUIRES THE CAPABILITY OF SUPPORTING MAINTENANCE VEHICLES AND AIRCRAFT RESCUE AND FIRE FIGHTING VEHICLES UNDER NORMAL (DRY) CONDITIONS.

B.

GENERAL SAFETY REQUIREMENTS

1.

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.

2.

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.

3.

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

C.

CONSTRUCTION AND FACILITIES MAINTENANCE

1.

THE CONTRACTOR SHALL BE AWARE OF AND PREVENT THE FOLLOWING TYPES OF SAFETY PROBLEMS AND/OR HAZARDS:

(A)

TRENCHES, HOLES, OR EXCAVATION ON OR ADJACENT TO ANY OPEN RUNWAY OR IN SAFETY AREAS.

(B)

UNMARKED/UNLIGHTED HOLES OR EXCAVATION IN ANY APRON, OPEN TAXIWAY, OPEN TAXILANE, OR RELATED SAFETY AREA.

(C)

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.

(D)

VEHICLES OR EQUIPMENT, WHETHER OPERATING OR IDLE, ON ANY OPEN RUNWAY, TAXIWAY, TAXILANE, OR IN ANY RELATED SAFETY APPROACH OR DEPARTURE AREA.

(E)

VEHICLES, EQUIPMENT, EXCAVATION, STOCKPILES, OR OTHER MATERIALS WHICH COULD DEGRADE OR OTHERWISE INTERFERE WITH ELECTRONIC SIGNALS FROM RADIOS OR ELECTRONIC NAVIGATIONAL AIDS (NAVAIDS).

(F)

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.

(G)

UNMARKED UTILITY, NAVAID, WEATHER SERVICE, RUNWAY LIGHTING, OR OTHER POWER OR SIGNAL CABLES THAT COULD BE DAMAGED DURING CONSTRUCTION.

(H)

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.

(I)

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.

(J)

MISLEADING OR MALFUNCTIONING OBSTRUCTION LIGHTS OR UNLIGHTED/UNMARKED OBSTRUCTIONS IN THE APPROACH TO ANY ACTIVE RUNWAY.

(K)

INADEQUATE APPROACH/DEPARTURE SURFACES (THESE SURFACES ARE NEEDED TO ASSURE ADEQUATE LANDING/TAKEOFF CLEARANCE OVER OBSTRUCTIONS, OR WORK OR STORAGE AREAS).

(L)

INADEQUATE, CONFUSING OR MISLEADING (TO USER PILOTS) MARKING/LIGHTING OF RUNWAYS, TAXIWAYS, OR TAXILANES (INCLUDING DISPLACED OR RELOCATED THRESHOLDS).

(M)

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.

(N)

INADEQUATE OR IMPROPER METHODS OF MARKING, BARRICADING, AND LIGHTING OF TEMPORARILY CLOSED PORTIONS OF THE AIRPORT OPERATIONS AREA.

(O)

TRASH OR OTHER MATERIALS WITH FOREIGN OBJECT DAMAGE (FOD) POTENTIAL; WHETHER ON RUNWAYS, TAXIWAYS, OR APRONS; OR IN RELATED SAFETY AREAS.

(P)

INADEQUATE BARRICADING OR OTHER MARKING WHICH IS PLACED TO SEPARATE CONSTRUCTION OR MAINTENANCE AREAS FROM OPEN AIRCRAFT OPERATING AREAS.

(Q)

FAILURE TO CONTROL UNAUTHORIZED VEHICLE AND HUMAN ACCESS FROM ACTIVE AIRCRAFT OPERATING AREAS.

(R)

FAILURE TO MAINTAIN RADIO COMMUNICATION BETWEEN CONSTRUCTION/MAINTENANCE VEHICLES AND AIR TRAFFIC CONTROL TOWER.

(S)

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.

(T)

BIRD ATTRACTANTS ON AIRPORT SUCH AS: EDIBLES (FOOD SCRAPS, ETC.), MISCELLANEOUS TRASH, OR PONDED WATER.

2.

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.

3.

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.

4.

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.

5.

THE ISSUANCE OF NOTICE TO AIR MISSIONS (NOTAM) 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

6.

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

D.

MOTORIZED VEHICLES

1.

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.

2.


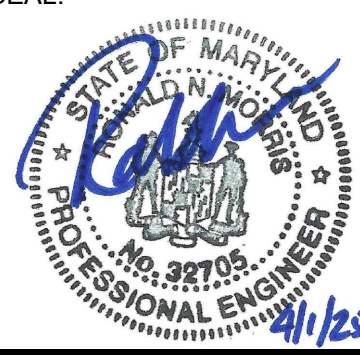

ANY VEHICLE OPERATING IN THE AOA DURING THE HOURS OF DARKNESS SHALL BE EQUIPPED WITH A FLASHING AMBER (YELLOW) DOME-TYPE LIGHT, MOUNTED ON TOP OF THE VEHICLE AND OF SUCH INTENSITY TO CONFORM TO LOCAL CODES FOR MAINTENANCE AND EMERGENCY VEHICLES. DARKNESS SHALL BE DEFINED AS ONE HOUR BEFORE OFFICIAL SUNSET UNTIL ONE HOUR AFTER SUNRISE.

3.

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.

4.

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: <div><p>AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602</p></div>		SEAL: <div></div>	PROFESSIONAL CERTIFICATION: <div><p>"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"</p><p>LICENSE NO. 32706</p><p>EXPIRATION DATE: 02/21/2026</p></div>	DESIGNED: B.J.D. <div>DRAWN: J.A.A.<div>CHECKED: V.J.D.<div>APPROVED: R.N.M.</div></div></div>	REVISION NO. <div>REVISION DATE</div>	DESCRIPTIONS	<div><p>HAGERSTOWN REGIONAL AIRPORT Washington County, MD</p></div>		PROJECT TITLE: <div>ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT</div>		FAA AIP No.: 3240019071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040	
								SHEET TITLE: <div>GENERAL CONSTRUCTION AND SAFETY NOTES 1</div>		SHEET NO.: <div>G1003</div>		
								SCALE: <div>N.A.</div>	DATE: <div>APRIL 2025</div>		3 OF 48	

FILE NAME: O:\HGR\Projects\2023-1307 ARFF Demo-Fence\CAD\SHEETS\G1003_G1003_GENERAL CONSTRUCTION AND SAFETY NOTES 1.dwg LAYOUT NAME: G1003 USER: jarden PLOTTED: Wednesday, April 02, 2025 - 10:53am

E. RADIO COMMUNICATIONS

1. 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 (CURRENTLY BETWEEN 2200 AND 0700 EST). 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

1. 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

1. 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).
2. 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 OR MONITORING THE REQUIRED FREQUENCIES WHEN THE ATCT IS CLOSED. 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 UNLESS AN APPROPRIATE NOTAM HAS BEEN ISSUED AND THE PAVEMENT HAS BEEN CLOSED TO AIRCRAFT OPERATIONS.

H. MISCELLANEOUS

1. OPEN FLAME, WELDING OR TORCH CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN TAKEN AND THE PROCEDURE PREVIOUSLY APPROVED BY THE RPR.
2. EQUIPMENT AND STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT RESULTING FROM AIRCRAFT JET BLAST OR WIND CONDITIONS IN EXCESS OF 10 KNOTS.
3. THE CONTRACTOR SHALL PROVIDE POLYETHYLENE CONSTRUCTION BARRIERS WITH FLASHING RED LIGHTS AS SHOWN ON THE DRAWINGS TO DELINEATE THE WORK AREAS WHEN CLOSED TO AIRPORT TRAFFIC. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIAL LOCATED IN THE AOA SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED BY APPROVED LIGHT UNITS DURING HOURS OF LIMITED VISIBILITY AND DARKNESS.
4. ALL MATERIALS AND EQUIPMENT WHEN NOT IN USE SHALL BE PLACED IN APPROVED AREAS WHERE THEY WILL NOT CONSTITUTE A HAZARD TO AIRCRAFT OPERATIONS AND NOT PENETRATE CLEARANCE SURFACES DEFINED PREVIOUSLY AND SHOWN ON THE CONSTRUCTION SAFETY PHASING NOTES AND DETAILS SHEET. EQUIPMENT SHALL BE PARKED AT THE STAGING AREA WHEN NOT IN USE.
5. UPON COMPLETION OF ANY STAGE/PHASE OF WORK, THE RPR WILL ARRANGE A PHYSICAL INSPECTION OF THE AREA WITH AIRPORT OPERATIONS PERSONNEL PRIOR TO OPENING ANY PORTION OR WHOLE RUNWAY, TAXIWAY, OR

RAMP AREA THAT HAS BEEN CLOSED FOR WORK OR USED FOR A CROSSING POINT OR HAUL ROUTE BY THE CONTRACTOR.

6. ENTRANCE TO THE AIRFIELD IS SUBJECT TO STRICT SECURITY REGULATIONS. ALL PERSONNEL ENTERING THE AIRFIELD MAY BE SUBJECT TO A BACKGROUND CHECK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT ALL OF HIS EMPLOYEES WHO NEED TO HAVE ACCESS TO THE AIRFIELD, HAVE INFORMATION AVAILABLE FOR A BACKGROUND CHECK TO BE PERFORMED, DATING BACK TEN (10) YEARS VERIFYING REPRESENTATIONS MADE BY THE EMPLOYEE RELATING TO EMPLOYMENT.
7. THE CONTRACTOR SHALL PROVIDE THE RPR AND AIRPORT DIRECTOR A CURRENT LIST OF ALL EMPLOYEES WORKING ON THE AIRPORT. THE LIST SHALL BE MAINTAINED CURRENT BY THE CONTRACTOR AND APPLIES TO BOTH THE CONTRACTOR AND SUBCONTRACTORS.
8. THE CONTRACTOR SHALL FAMILIARIZE HIS PERSONNEL WITH CLEARANCES NEEDED TO PROVIDE FOR THE SAFE OPERATION OF RUNWAYS AND TAXIWAYS AS SHOWN IN THE PLANS.
9. EXCEPT FOR EMERGENCIES, ALL CONTACT WITH AIRPORT PERSONNEL SHALL BE MADE THROUGH THE RPR. FOR EMERGENCIES INVOLVING SAFETY (INJURIES, FIRES, SECURITY BREACHES, ETC.) THE CONTRACTOR SHALL MAKE DIRECT CONTACT WITH AIRPORT OPERATIONS MANAGER FOLLOWED BY NOTIFICATION TO THE RPR AS SOON AS POSSIBLE.
10. AS REQUIRED IN THE CONTRACTORS SAFETY PLAN COMPLIANCE DOCUMENT (SPCD), THE CONTRACTOR SHALL PROVIDE THE PHONE NUMBERS OF THREE PERSONNEL, INCLUDING THE PROJECT SUPERINTENDENT, WHO MAY BE CONTACTED IN AN EMERGENCY. PERSONNEL SHALL BE ON CALL 24 HOURS PER DAY FOR MAINTAINING AIRPORT HAZARD LIGHTING AND BARRICADES.
11. IN ACCORDANCE WITH THE FEDERAL CONTRACT PROVISIONS CONTAINED IN THE PROJECT MANUAL, ALL REQUIRED POSTERS AND FEDERAL WAGE RATES SHALL BE POSTED OUTSIDE THE SITE FIELD OFFICE(S) IN A WEATHERPROOF ENCLOSURE.

I. UTILITIES

1. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE CONSIDERED TO BE ONLY APPROXIMATE LOCATIONS. ALL UTILITY LOCATIONS SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. IN THE EVENT ANY UTILITY IS DAMAGED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING FOR INCURRED COSTS OF REPAIRS.
2. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777. THE COST ASSOCIATED WITH CONTACTING MISS UTILITY SHALL BE BORNE BY THE CONTRACTOR.
3. 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. KNOWN UTILITY OWNERS ARE IDENTIFIED BELOW AND ARE TO BE VERIFIED WITH MISS UTILITY:

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
HAGERTOWN, 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

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF/HERSELF WITH THE VARIOUS ASPECTS OF TRANSPORTATION SECURITY ADMINISTRATION (TSA) SECTION 1542 "AIRPORT SECURITY". ANY VIOLATION OF TSA SECTION 1542 BY THE CONTRACTOR AND ANY SUBSEQUENT FINES IMPOSED DUE TO THE VIOLATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

2. ALL VEHICLES TO BE USED ON THE AIRPORT SHALL BE REGISTERED WITH THE AIRPORT OPERATIONS MANAGER. REGISTRATION CONSISTS OF LICENSE PLATE NUMBER AND OWNER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT VEHICLES ARE REGISTERED IN A TIMELY MANNER SO AS NOT TO DELAY THE PROJECT. VISITING VEHICLES ARE EXEMPT FROM THE REGISTRATION REQUIREMENTS SO LONG AS THEY ARE ESCORTED BY A REGISTERED VEHICLE AT ALL TIMES WHEN ON THE AOA.

3. THE AIRPORT WILL NOT PROVIDE AIRFIELD OPERATIONS AREA ESCORTS. THE CONTRACTOR MUST PROVIDE HIS OWN RADIO, ACQUAINT HIMSELF AND ANY OTHER PERSONNEL THAT ARE ANTICIPATED TO USE THE RADIO WITH THE PROPER PROCEDURES IN COMMUNICATING WITH GROUND CONTROL. THE CONTRACTOR WILL NEED TO ATTEND SECURITY/GROUND VEHICLE OPS TRAINING.


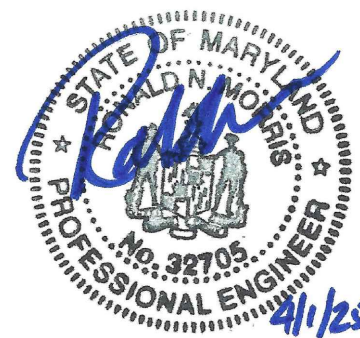

4. THE PROJECT SUPERVISORS SHALL HAVE WITH THEM AT ALL TIMES THE TELEPHONE NUMBERS FOR THE FOLLOWING PERSONS. IN THE EVENT OF AN EMERGENCY THESE PERSONNEL SHOULD BE CONTACTED IN DESCENDING ORDER:

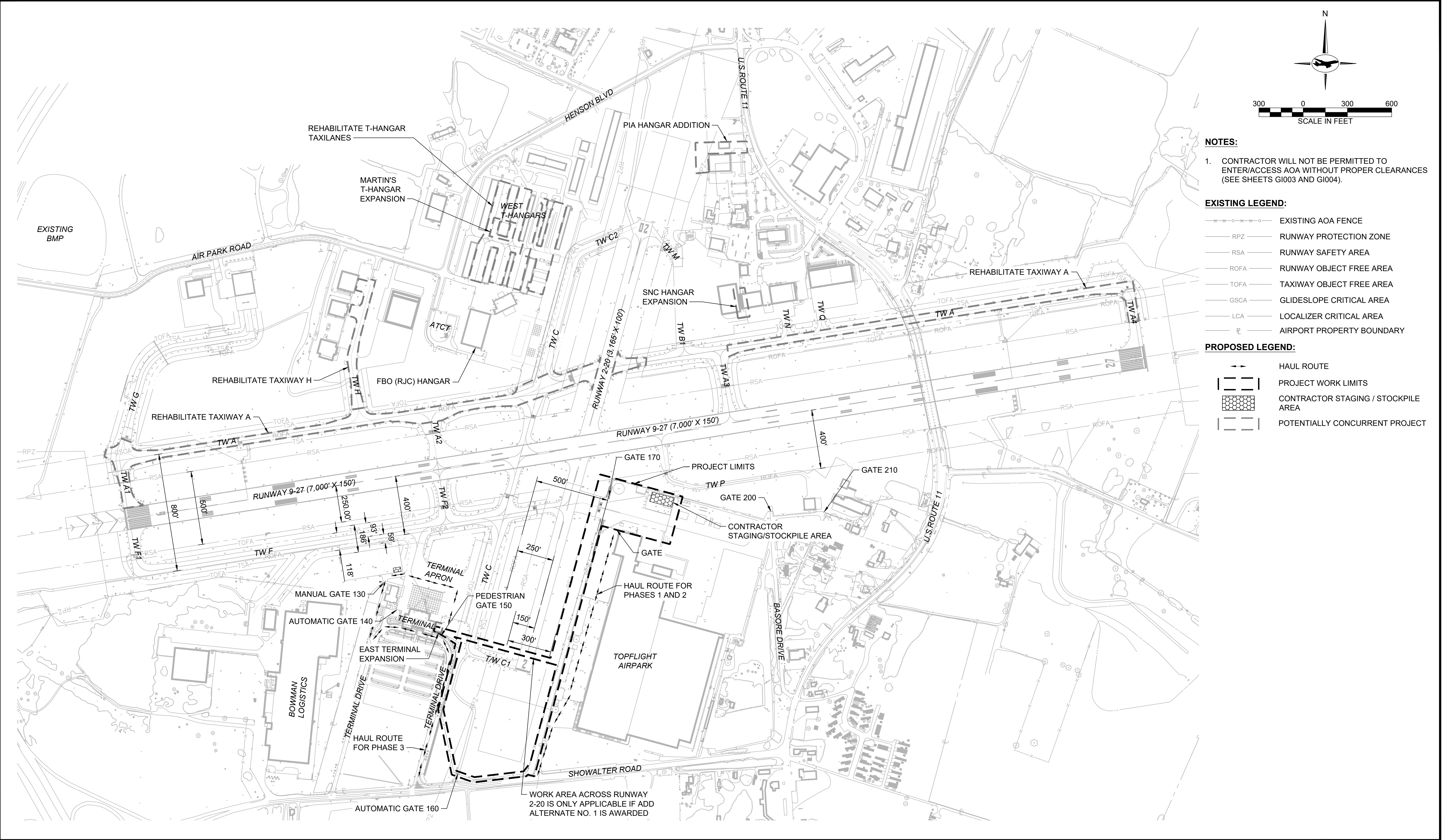
MR. NEIL DORAN, AIRPORT DIRECTOR
MR. TERRY STOUFFER, MAINTENANCE SUPERVISOR
MR. GENE BOLANOWSKI, OPERATIONS MANAGER
MR. DANNY SHIRLEY, AIRPORT FIRE CHIEF

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

6. 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.

7. 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.

CONSULTANT: <div><p>AIRCRAFT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD., SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410-465-9600 FAX: 410-465-9602</p></div>		SEAL: <div></div>	PROFESSIONAL CERTIFICATION: <div>"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"</div> <div>LICENSE NO. 32705</div> <div>EXPIRATION DATE: 02/21/2026</div>	DESIGNED: B.J.D. DRAWN: J.A.A. CHECKED: V.J.D. APPROVED: R.N.M.	REVISION NO. REVISION DATE	DESCRIPTIONS	<div><p>HAGERSTOWN REGIONAL AIRPORT Washington County, MD</p></div>		PROJECT TITLE: <div>ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT</div>		FAA AIP No.: 3240019071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040
								SHEET TITLE: <div>GENERAL CONSTRUCTION AND SAFETY NOTES 2</div>		SHEET NO.: <div>G1004</div>	
								SCALE: <div>N.A.</div>	DATE: <div>APRIL 2025</div>		4 OF 48






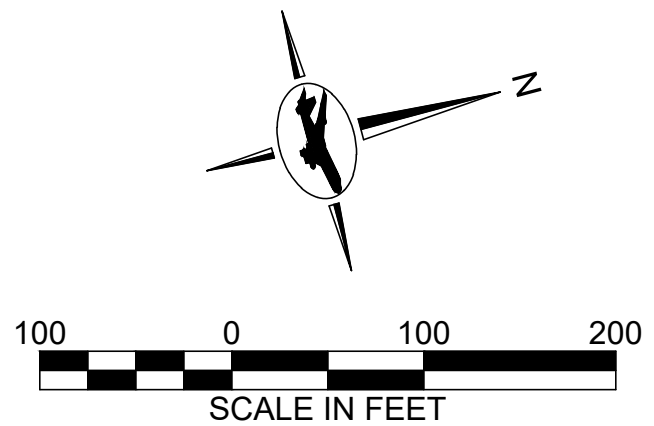
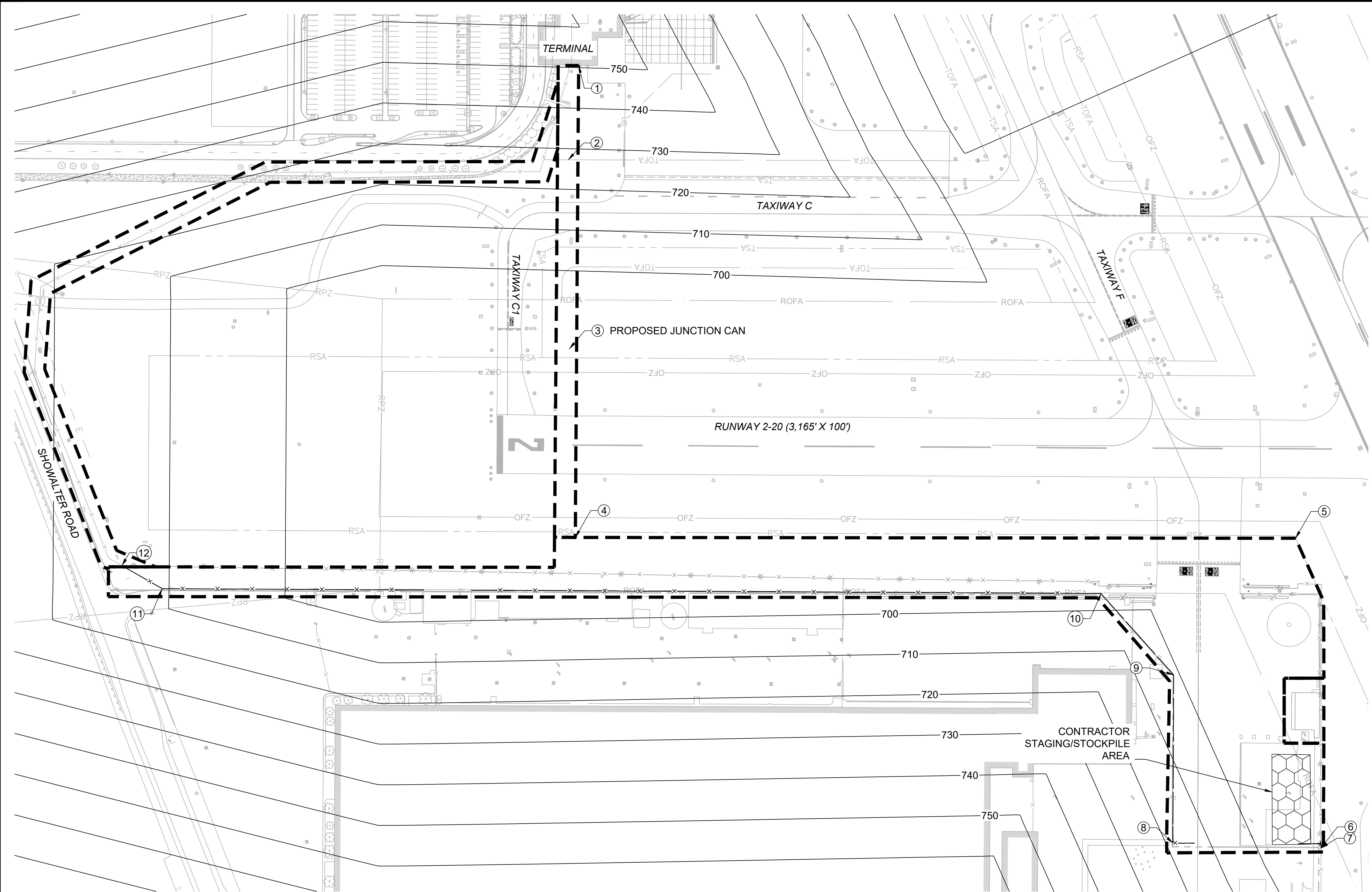
NOTES:

1. CONTRACTOR WILL NOT BE PERMITTED TO ENTER/ACCESS AOA WITHOUT PROPER CLEARANCES (SEE SHEETS G1003 AND G1004).

- EXISTING LEGEND:**
- EXISTING AOA FENCE
 - RPZ RUNWAY PROTECTION ZONE
 - RSA RUNWAY SAFETY AREA
 - ROFA RUNWAY OBJECT FREE AREA
 - TOFA TAXIWAY OBJECT FREE AREA
 - GSCA GLIDESLOPE CRITICAL AREA
 - LCA LOCALIZER CRITICAL AREA
 - AIRPORT PROPERTY BOUNDARY

- PROPOSED LEGEND:**
- HAUL ROUTE
 - PROJECT WORK LIMITS
 - CONTRACTOR STAGING / STOCKPILE AREA
 - POTENTIALLY CONCURRENT PROJECT

CONSULTANT:  AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602		SEAL: 		PROFESSIONAL CERTIFICATION: "I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND" LICENSE NO. 32705 EXPIRATION DATE: 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		 HAGERSTOWN REGIONAL AIRPORT Washington County, MD		PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT		SHEET TITLE: GENERAL PROJECT LAYOUT		SCALE: AS SHOWN		DATE: APRIL 2025		FAA AIP No.: 324-0019-071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040		SHEET NO.: GC100 5 OF 48	
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NOTES:

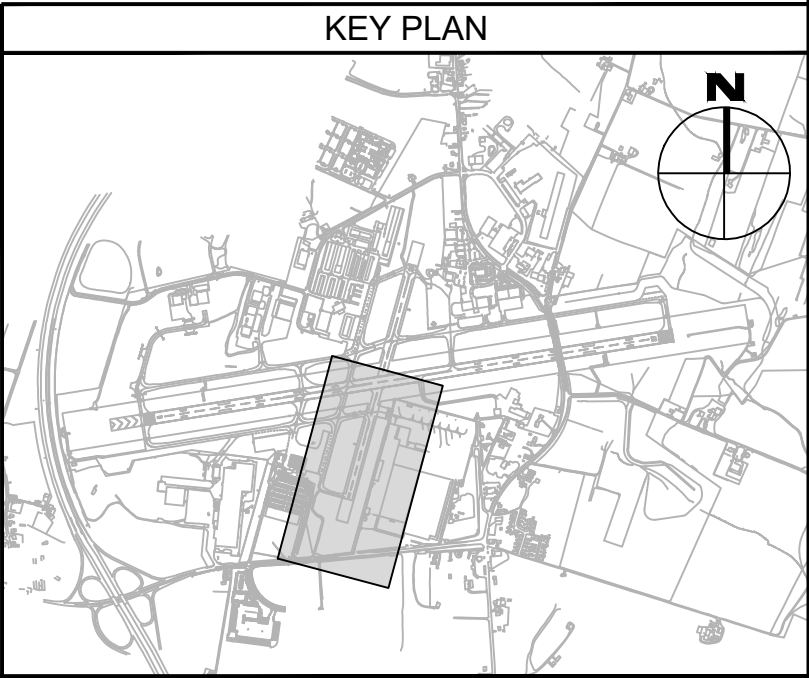
- EQUIPMENT (WITHOUT OPERATORS), MATERIALS, AND TEMPORARY STOCKPILES MUST NOT PENETRATE THE PART 77 HEIGHT RESTRICTIONS. NO EQUIPMENT SHALL PENETRATE OFZ ELEVATIONS. CONFIRM THAT FORM 7460 AND NOTAMS HAVE BEEN FILED AND APPROVED BEFORE WORKING IN AREAS THAT VIOLATE MAXIMUM ALLOWABLE EQUIPMENT HEIGHT.
- ALL ELEVATIONS ARE PROVIDED IN NAVD88 DATUM.
- ALL HEIGHTS SHOWN ON THIS PLAN ARE ABOVE GROUND LEVEL (AGL) 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.
- ACTIVE CONSTRUCTION ACTIVITIES WILL BE SUBJECT TO OFZ RESTRICTIONS ONLY. PERMANENT OBSTRUCTIONS (EQUIPMENT NOT IN USE, STOCKPILES, BOOMS, ETC) SHALL BE SUBJECT TO FAR PART 77 RESTRICTIONS.
- ANY BOOMS AND CONSTRUCTION EQUIPMENT SHALL BE LOWERED TO THE RESPECTIVE EQUIPMENT MINIMUM HEIGHT WHEN NOT IN USE AND/OR AT THE END OF EACH WORK SHIFT. NOT IN USE IS DEFINED AS NO OPERATOR BEING AVAILABLE TO MOVE A PARTICULAR PIECE OF EQUIPMENT FOR 15 MINUTES OR MORE.
- SEE CONSTRUCTION SAFETY AND PHASING PLANS FOR SPECIAL CONSIDERATIONS WHEN WORK OCCURS WITHIN THE PROTECTED SURFACES ON THE AIRFIELD.
- FOR TYPICAL SECTIONS OF THE PART 77 IMAGINARY SURFACES AND OFZ, SEE SHEET GC500.

LEGEND:


- WORK AREA
- EXISTING AOA FENCE
- POINT #
- 710 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'

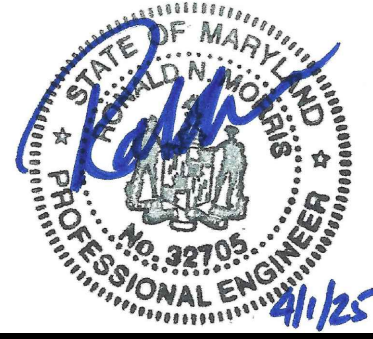


CONSULTANT:



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:

B.J.D.

DRAWN:

J.A.A.

CHECKED:

V.J.D.

APPROVED:

R.N.M.

REVISION NO.

REVISION DATE

DESCRIPTIONS

BID DOCUMENTS

HGR

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:

APRIL 2025

FAA AIP No.: 3240019-071-2024

Bid No.: PUR-1744

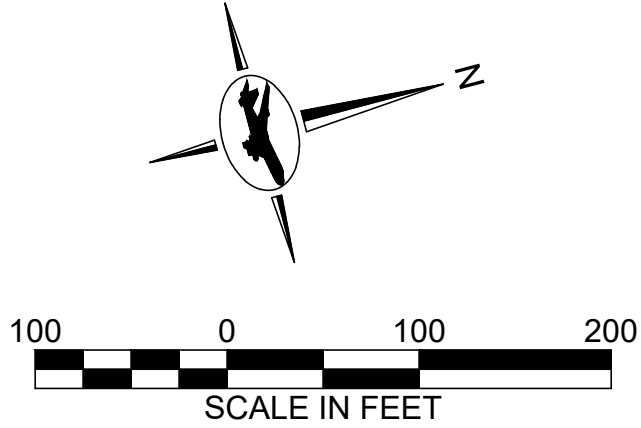
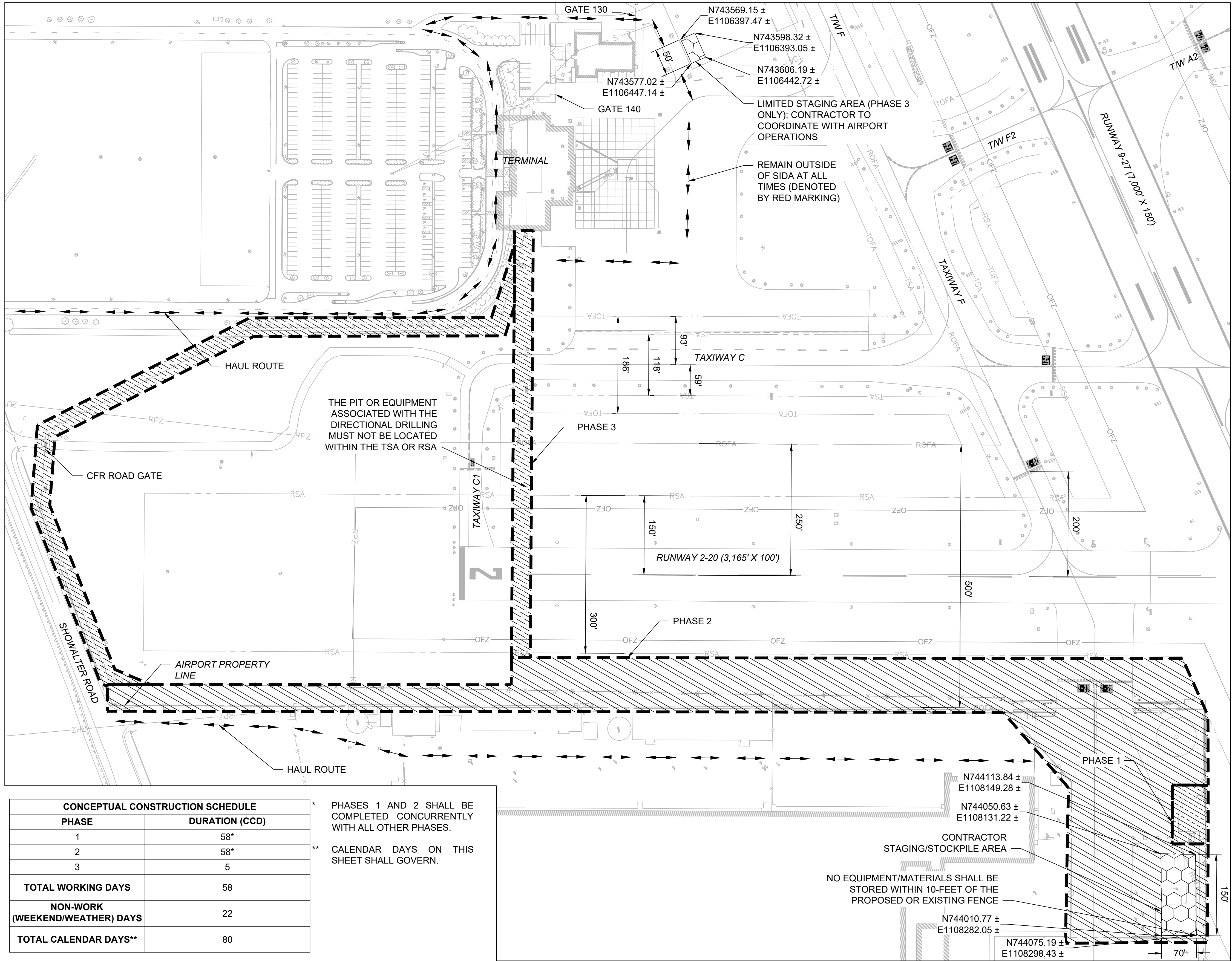
Grading Permit No.: SGP-24-040

SHEET NO.:

VS100

7

OF 48



- NOTES:**
- 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.
 - POTENTIAL UTILITY OVERLAPS MAY ARISE WHEN THE TERMINAL EXPANSION PROJECT IS BEING PERFORMED. CONTRACTOR SHALL COORDINATE WITH THE RPR AND AIRPORT WITH REGARD TO THE TERMINAL PROJECT'S SCHEDULE.

LIQUIDATED DAMAGES:

\$2,500 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.

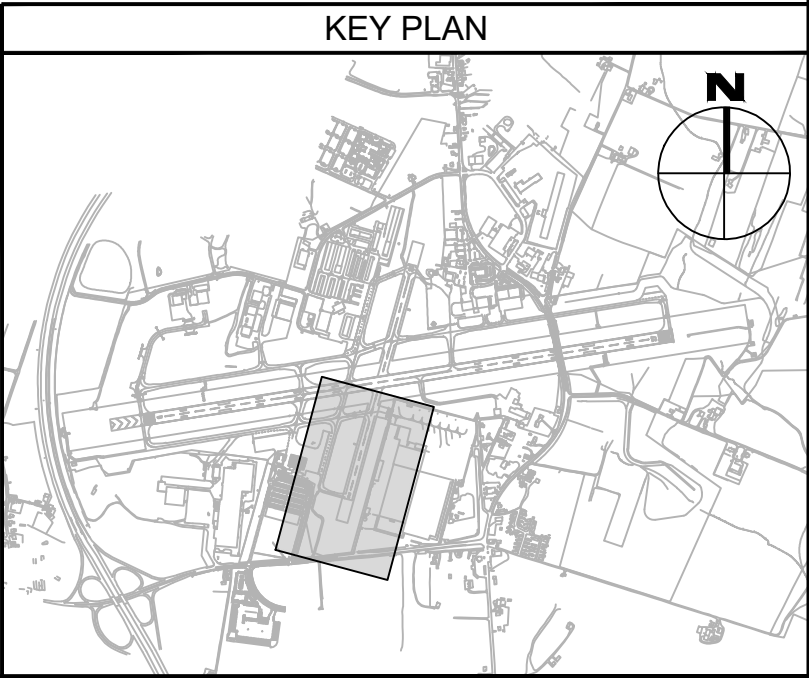
CONSTRUCTION WORK HOURS:

NO RESTRICTIONS

CONTRACT DURATION:

80 CONSECUTIVE CALENDAR DAYS (CCD)
(DOES NOT INCLUDE MOBILIZATION AND CLOSEOUT)

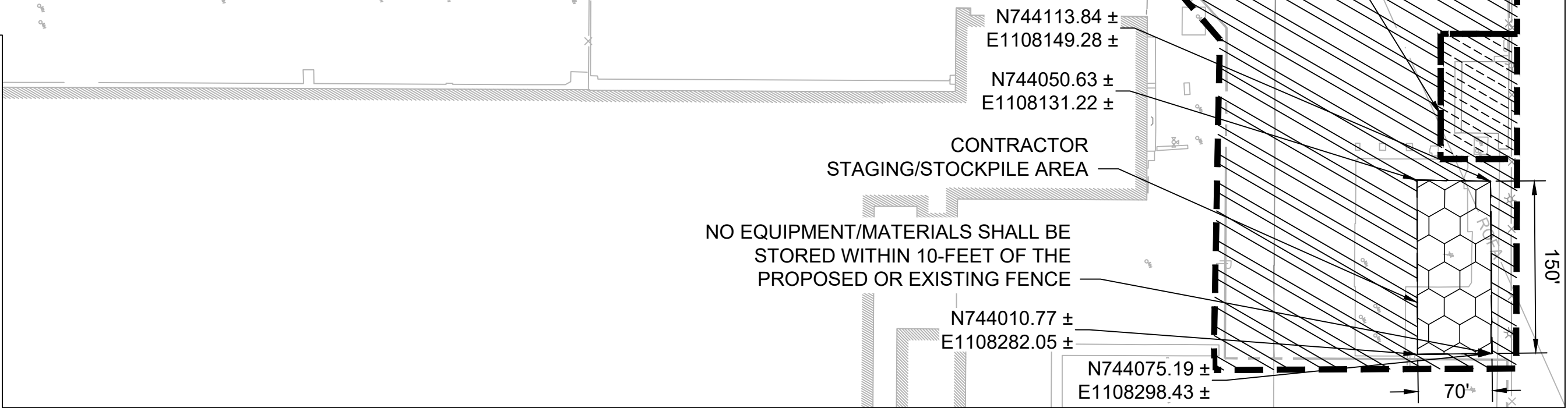
- LEGEND:**
- PHASE 1
 - PHASE 2
 - PHASE 3
 - HAUL ROUTE
 - CONTRACTOR STAGING / STOCKPILE AREA
 - RPZ — RUNWAY PROTECTION ZONE
 - RSA — RUNWAY SAFETY AREA
 - ROFA — RUNWAY OBJECT FREE AREA
 - TOFA — TAXIWAY OBJECT FREE AREA
 - TSA — TAXIWAY SAFETY AREA
 - OFZ — OBSTACLE FREE ZONE




CONCEPTUAL CONSTRUCTION SCHEDULE	
PHASE	DURATION (CCD)
1	58*
2	58*
3	5
TOTAL WORKING DAYS	58
NON-WORK (WEEKEND/WEATHER) DAYS	22
TOTAL CALENDAR DAYS**	80

* PHASES 1 AND 2 SHALL BE COMPLETED CONCURRENTLY WITH ALL OTHER PHASES.

** CALENDAR DAYS ON THIS SHEET SHALL GOVERN.




CONSULTANT:



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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



HAGERSTOWN REGIONAL AIRPORT
Washington County, MD

PROJECT TITLE:

ARFF BUILDING DEMOLITION;
AOA FENCE/ACCESS GATE REALIGNMENT

SHEET TITLE:

OVERALL CONSTRUCTION SAFETY
AND PHASING PLAN

SCALE:

AS SHOWN

DATE:

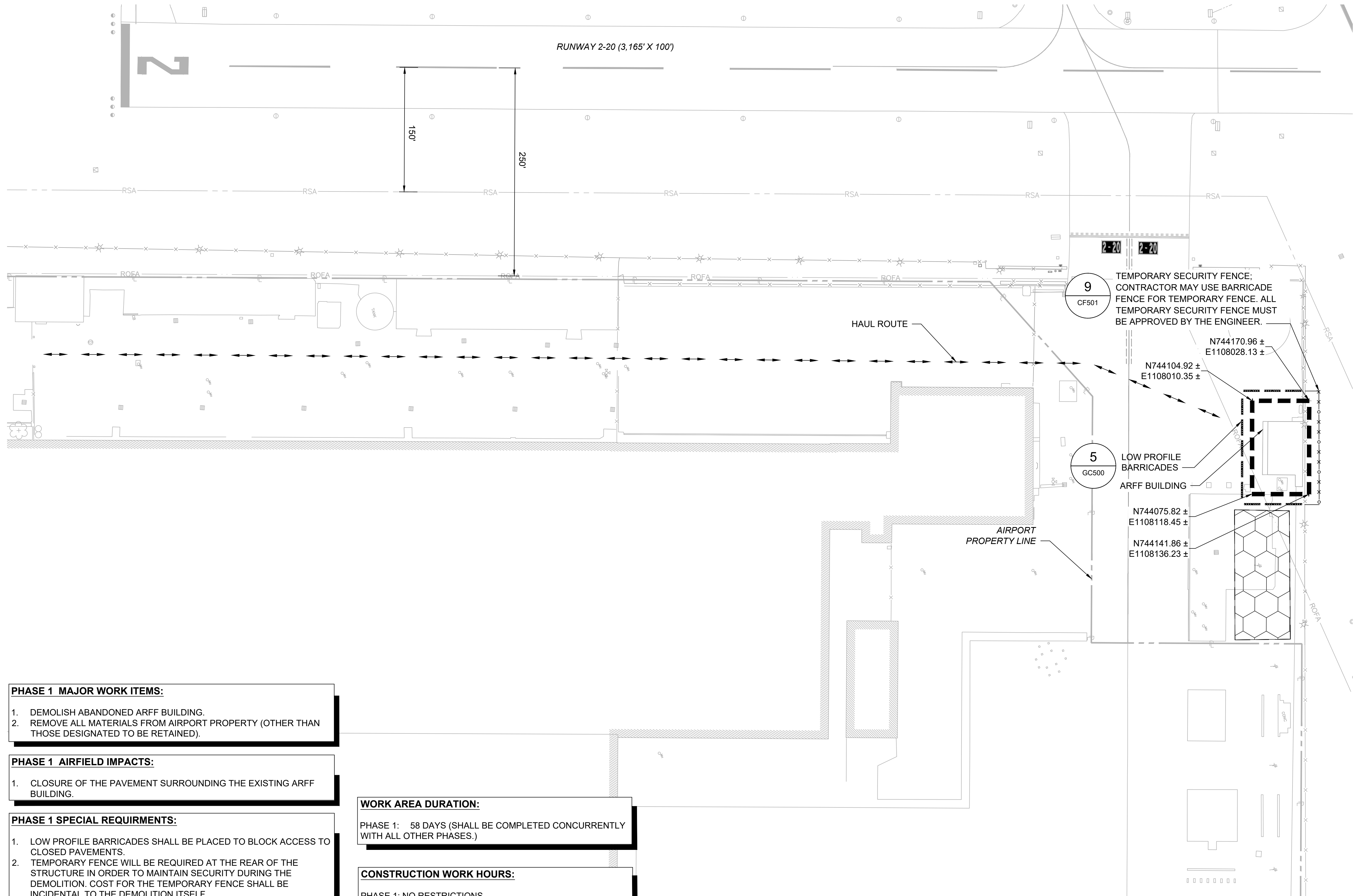
APRIL 2025

FAA AIP No.: 3240019071-2024
Bid No.: PUR-1744
Grading Permit No.: SGP-24-040

SHEET NO.:

GC110

8 OF 48



NOTES:

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 1 WORK LIMITS
- CONTRACTOR STAGING / STOCKPILE AREA
- HAUL ROUTE
- LOW PROFILE BARRICADES
- TEMPORARY SECURITY FENCE
- 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:

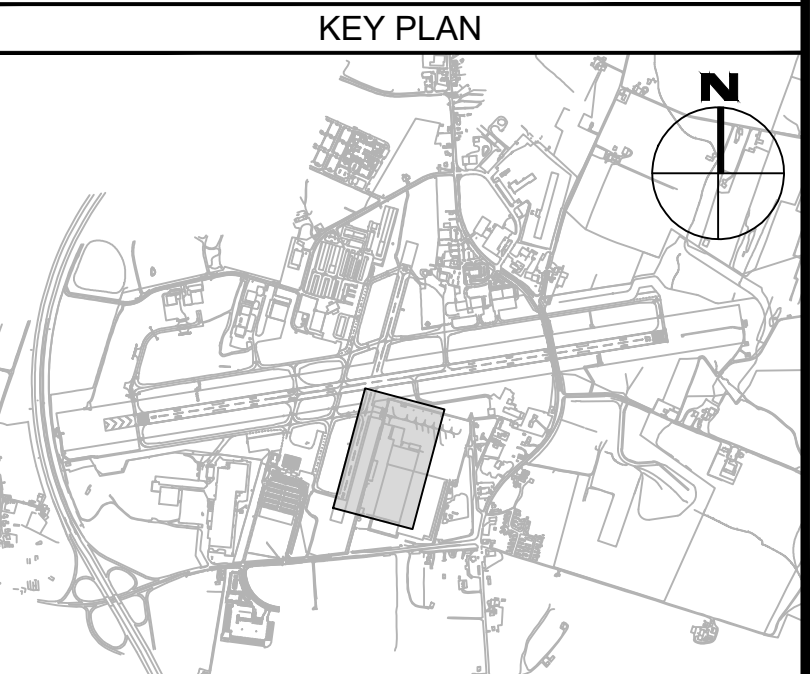
1. LOW PROFILE BARRICADES SHALL BE PLACED TO BLOCK ACCESS TO CLOSED PAVEMENTS.
2. TEMPORARY FENCE WILL BE REQUIRED AT THE REAR OF THE STRUCTURE IN ORDER TO MAINTAIN SECURITY DURING THE DEMOLITION. COST FOR THE TEMPORARY FENCE SHALL BE INCIDENTAL TO THE DEMOLITION ITSELF.

WORK AREA DURATION:

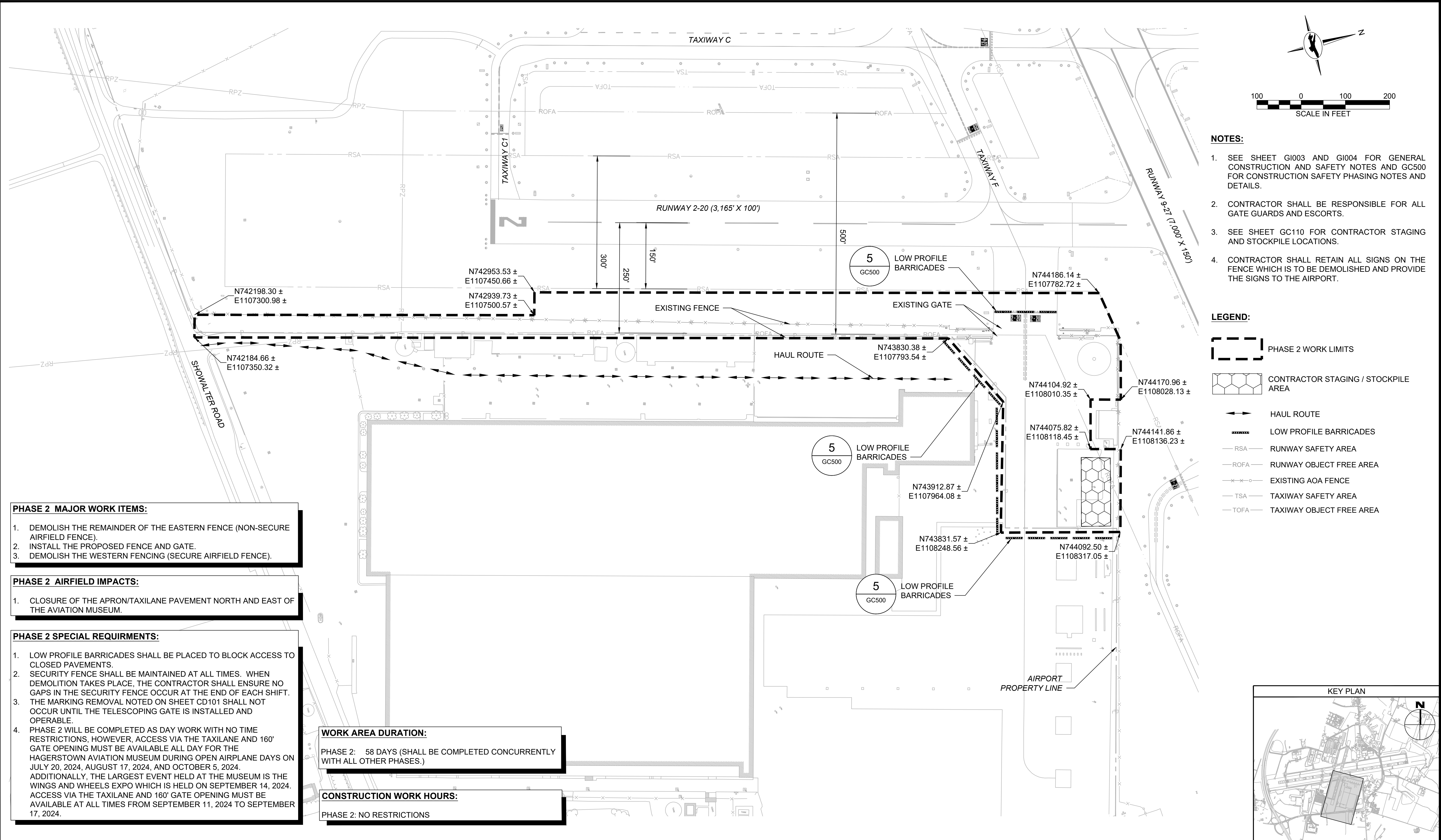
PHASE 1: 58 DAYS (SHALL BE COMPLETED CONCURRENTLY WITH ALL OTHER PHASES.)

CONSTRUCTION WORK HOURS:

PHASE 1: NO RESTRICTIONS



CONSULTANT: AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602		SEAL: 		PROFESSIONAL CERTIFICATION: "I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND" LICENSE NO. 32705 EXPIRATION DATE: 02/21/2026		DESIGNED: B.J.D. DRAWN: J.A.A. CHECKED: V.J.D. APPROVED: R.N.M.		REVISION NO. REVISION DATE DESCRIPTIONS		 Washington County, MD		PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT		FAA AIP No.: 324-0019-071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040	
SHEET TITLE: CONSTRUCTION SAFETY AND PHASING PLAN 1										SCALE: AS SHOWN		DATE: APRIL 2025		SHEET NO.: GC111 9 OF 48	



- PHASE 2 MAJOR WORK ITEMS:**
- DEMOLISH THE REMAINDER OF THE EASTERN FENCE (NON-SECURE AIRFIELD FENCE).
 - INSTALL THE PROPOSED FENCE AND GATE.
 - DEMOLISH THE WESTERN FENCING (SECURE AIRFIELD FENCE).

- PHASE 2 AIRFIELD IMPACTS:**
- CLOSURE OF THE APRON/TAXILANE PAVEMENT NORTH AND EAST OF THE AVIATION MUSEUM.

- PHASE 2 SPECIAL REQUIRMENTS:**
- LOW PROFILE BARRICADES SHALL BE PLACED TO BLOCK ACCESS TO CLOSED PAVEMENTS.
 - 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.
 - 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:

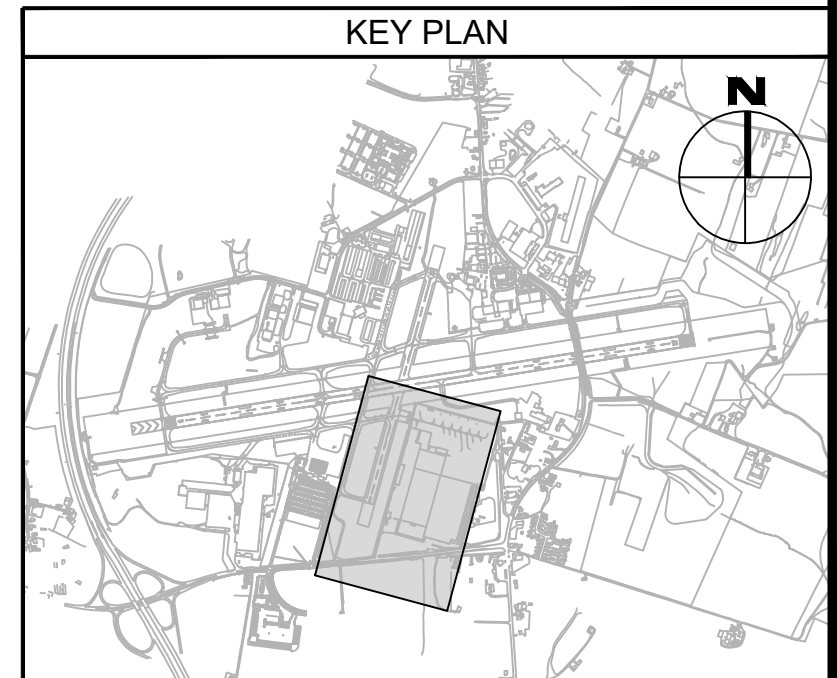
PHASE 2: 58 DAYS (SHALL BE COMPLETED CONCURRENTLY WITH ALL OTHER PHASES.)




CONSTRUCTION WORK HOURS:

PHASE 2: NO RESTRICTIONS

- NOTES:**
- SEE SHEET G1003 AND G1004 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.
 - SEE SHEET GC110 FOR CONTRACTOR STAGING AND STOCKPILE LOCATIONS.
 - CONTRACTOR SHALL RETAIN ALL SIGNS ON THE FENCE WHICH IS TO BE DEMOLISHED AND PROVIDE THE SIGNS TO THE AIRPORT.

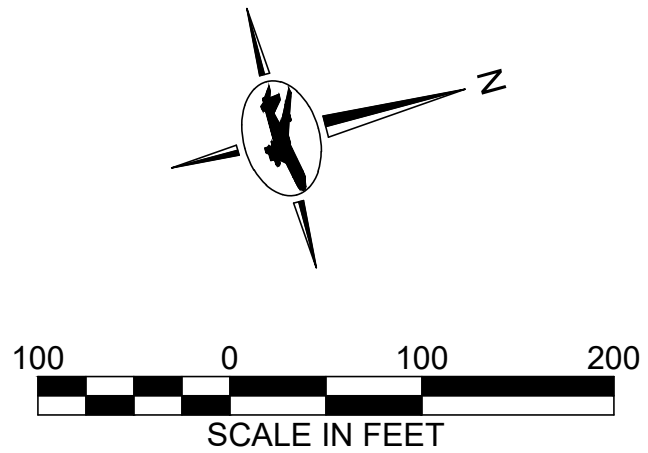
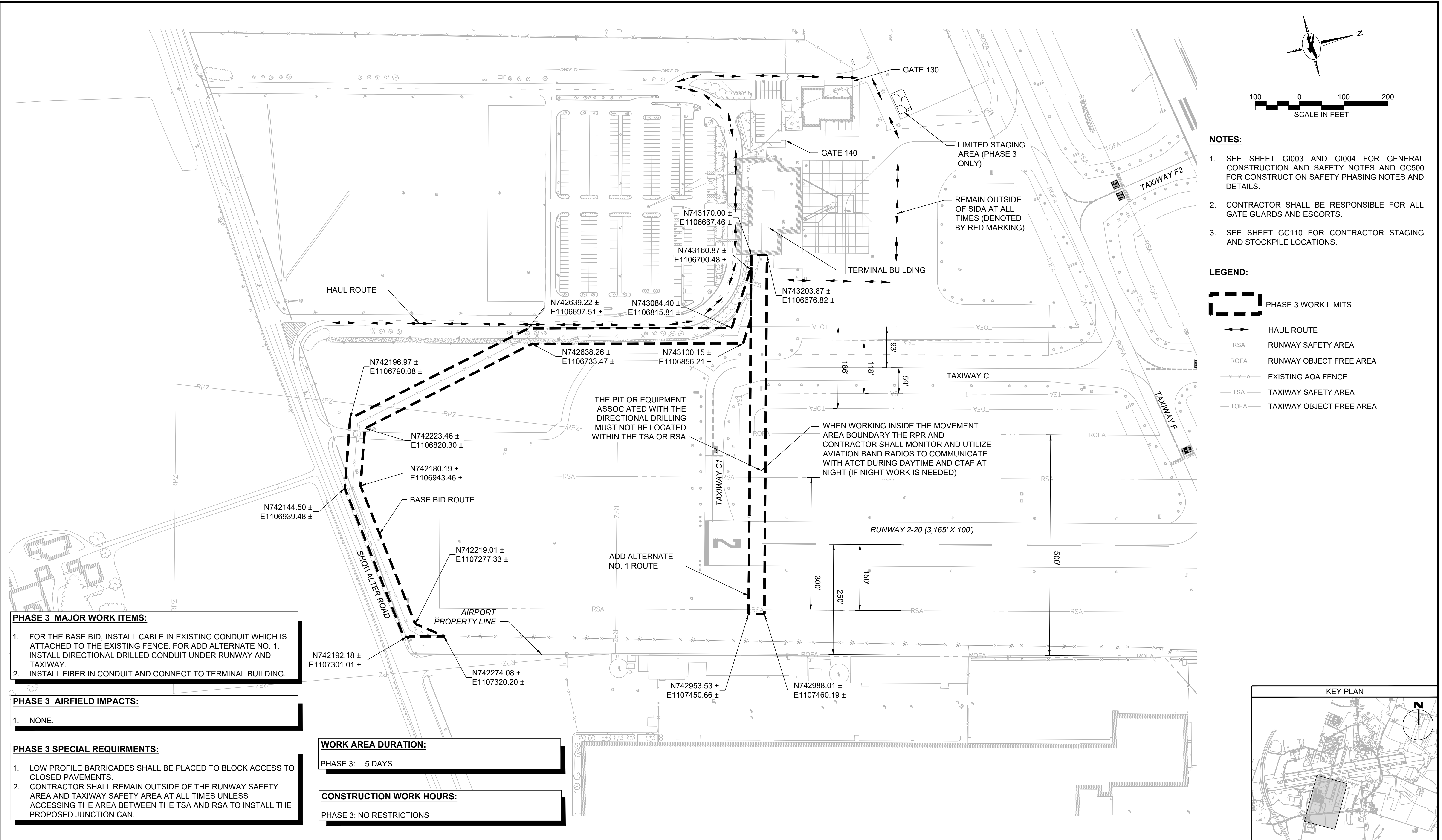
- LEGEND:**
- PHASE 2 WORK LIMITS
 - CONTRACTOR STAGING / STOCKPILE AREA
 - HAUL ROUTE
 - LOW PROFILE BARRICADES
 - RSA RUNWAY SAFETY AREA
 - ROFA RUNWAY OBJECT FREE AREA
 - EXISTING AOA FENCE
 - TSA TAXIWAY SAFETY AREA
 - TOFA TAXIWAY OBJECT FREE AREA



<div>CONSULTANT:</div> <div><div>AIRCRAFT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602</div></div>		<div>SEAL:</div> <div></div>	<div>PROFESSIONAL CERTIFICATION:</div> <div>"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"</div> <div>LICENSE NO. 32705</div> <div>EXPIRATION DATE: 02/21/2026</div>	<div>DESIGNED: B.J.D.</div> <div>DRAWN: J.A.A.</div> <div>CHECKED: V.J.D.</div> <div>APPROVED: R.N.M.</div>	<div>REVISION NO.</div> <div>REVISION DATE</div>	<div>DESCRIPTIONS</div>	<div><div>HAGERSTOWN REGIONAL AIRPORT Washington County, MD</div></div>	<div>PROJECT TITLE:</div> <div>ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT</div>		<div>FAA AIP No.: 3-24-0019-071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040</div>
<div>BID DOCUMENTS</div>								<div>SHEET TITLE:</div> <div>CONSTRUCTION SAFETY AND PHASING PLAN 2</div>		<div>SHEET NO.:</div> <div>GC112</div>
								<div>SCALE:</div> <div>AS SHOWN</div>	<div>DATE:</div> <div>APRIL 2025</div>	<div>10 OF 48</div>

SHEET NO.: GC112

10 OF 48



- NOTES:**
- SEE SHEET G1003 AND G1004 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.
 - 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:

- FOR THE BASE BID, INSTALL CABLE IN EXISTING CONDUIT WHICH IS ATTACHED TO THE EXISTING FENCE. FOR ADD ALTERNATE NO. 1, INSTALL DIRECTIONAL DRILLED CONDUIT UNDER RUNWAY AND TAXIWAY.
- INSTALL FIBER IN CONDUIT AND CONNECT TO TERMINAL BUILDING.

PHASE 3 AIRFIELD IMPACTS:

- NONE.

PHASE 3 SPECIAL REQUIRMENTS:

- LOW PROFILE BARRICADES SHALL BE PLACED TO BLOCK ACCESS TO CLOSED PAVEMENTS.
- 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.

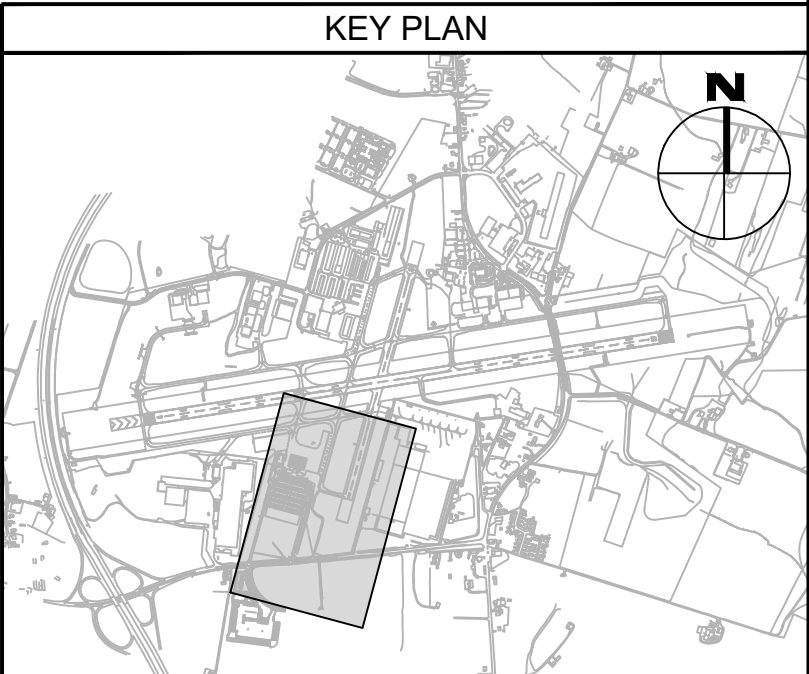
WORK AREA DURATION:




PHASE 3: 5 DAYS

CONSTRUCTION WORK HOURS:

PHASE 3: NO RESTRICTIONS

KEY PLAN



<div>CONSULTANT:</div> <div><div>AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602</div></div>	<div>SEAL:</div> <div></div>	<div>PROFESSIONAL CERTIFICATION:</div> <div>"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"</div> <div>LICENSE NO. 32705</div> <div>EXPIRATION DATE: 02/21/2026</div>	DESIGNED:	REVISION NO.	REVISION DATE	DESCRIPTIONS	<div><div>HAGERSTOWN REGIONAL AIRPORT Washington County, MD</div></div>	PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT		FAA AIP No.: 3240019-071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040	
			DRAWN:					SHEET TITLE: CONSTRUCTION SAFETY AND PHASING PLAN 3			SHEET NO.: GC113
			CHECKED:					SCALE: AS SHOWN			
			V.J.D.								
			APPROVED:								11 OF 48
R.N.M.											

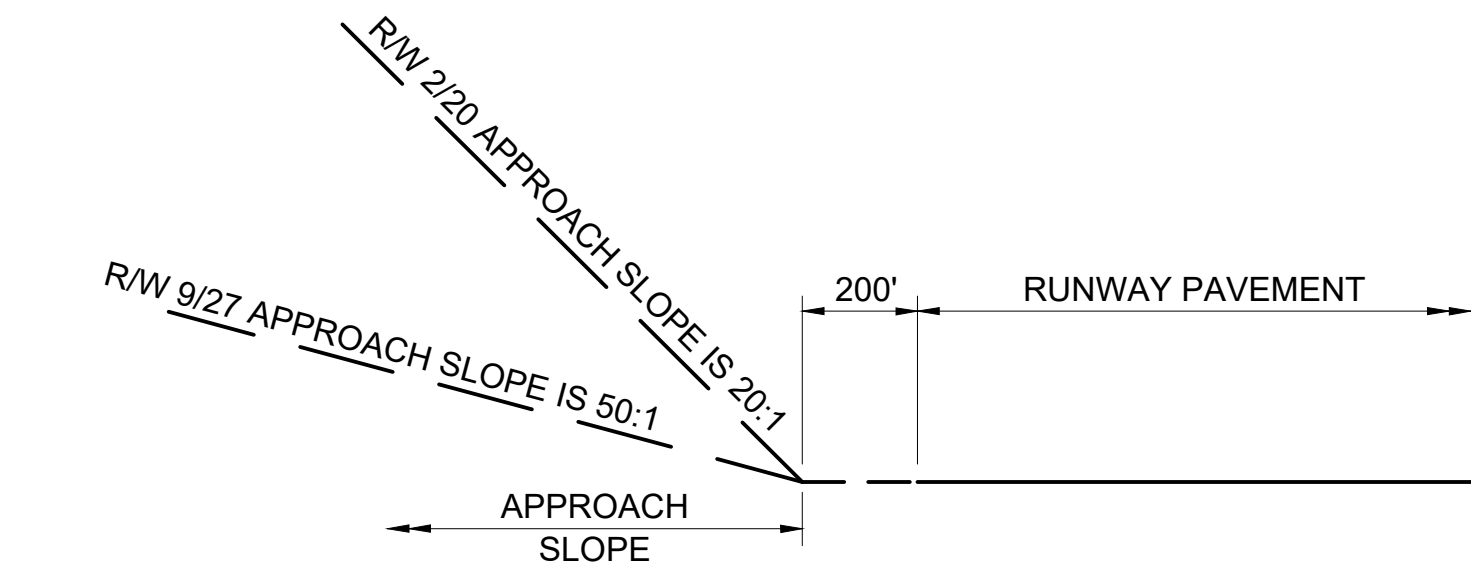
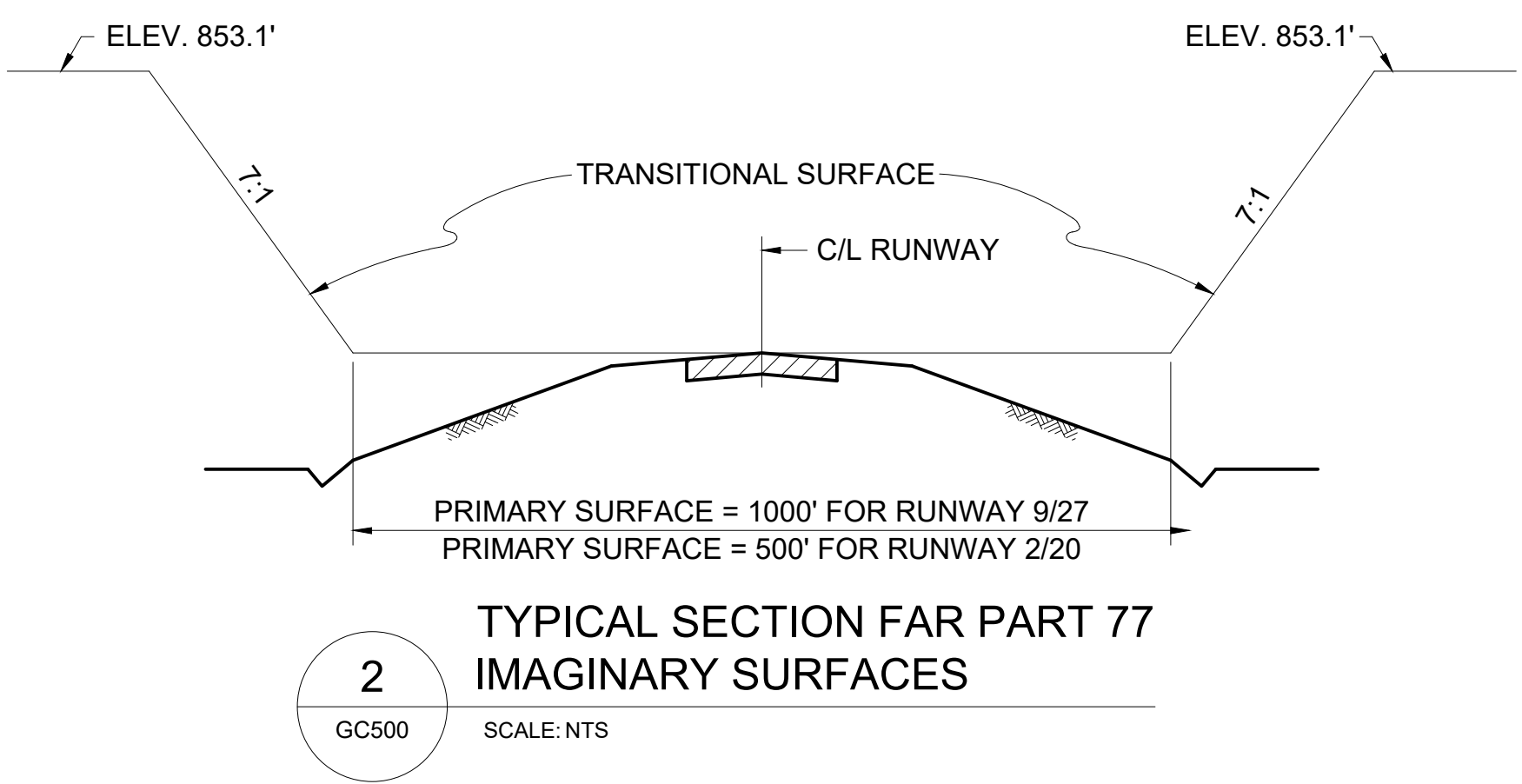
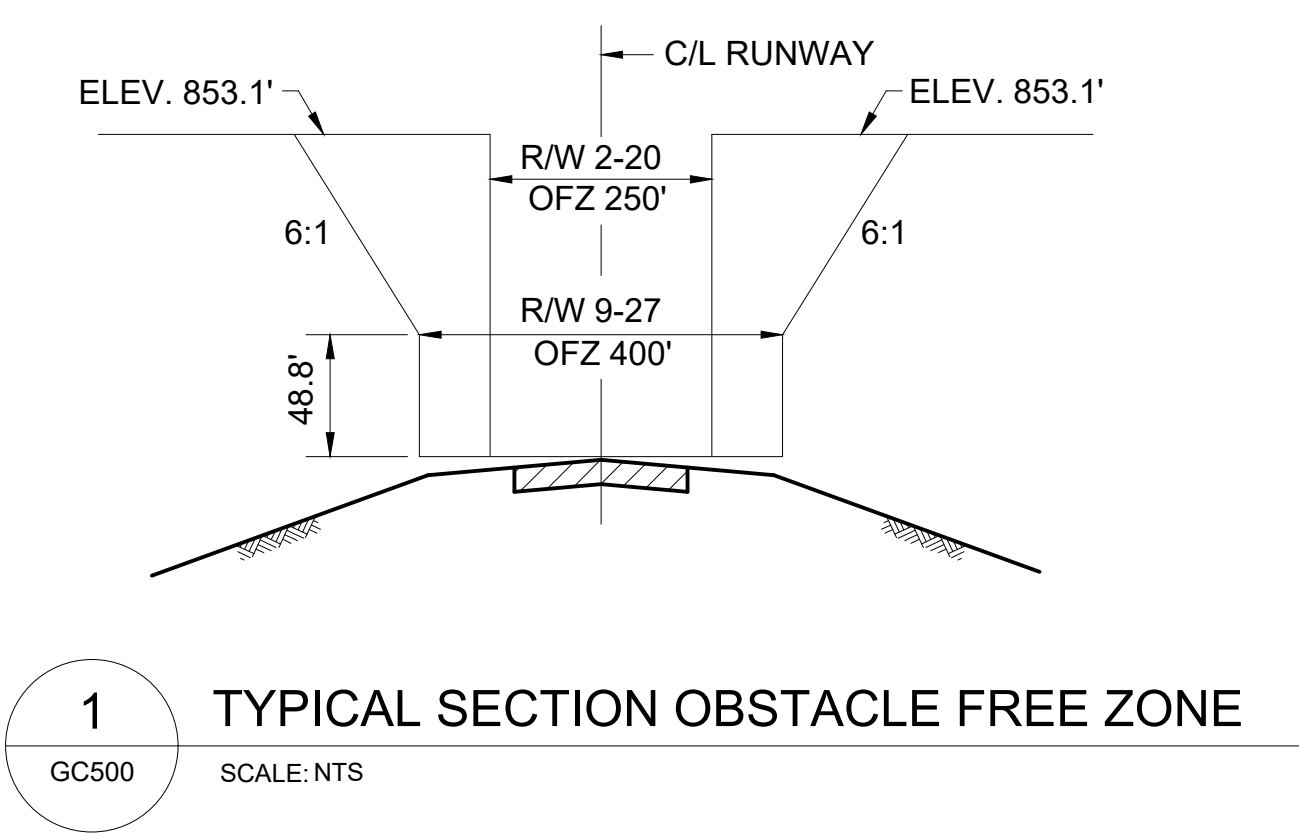
GENERAL PHASING NOTES:

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:

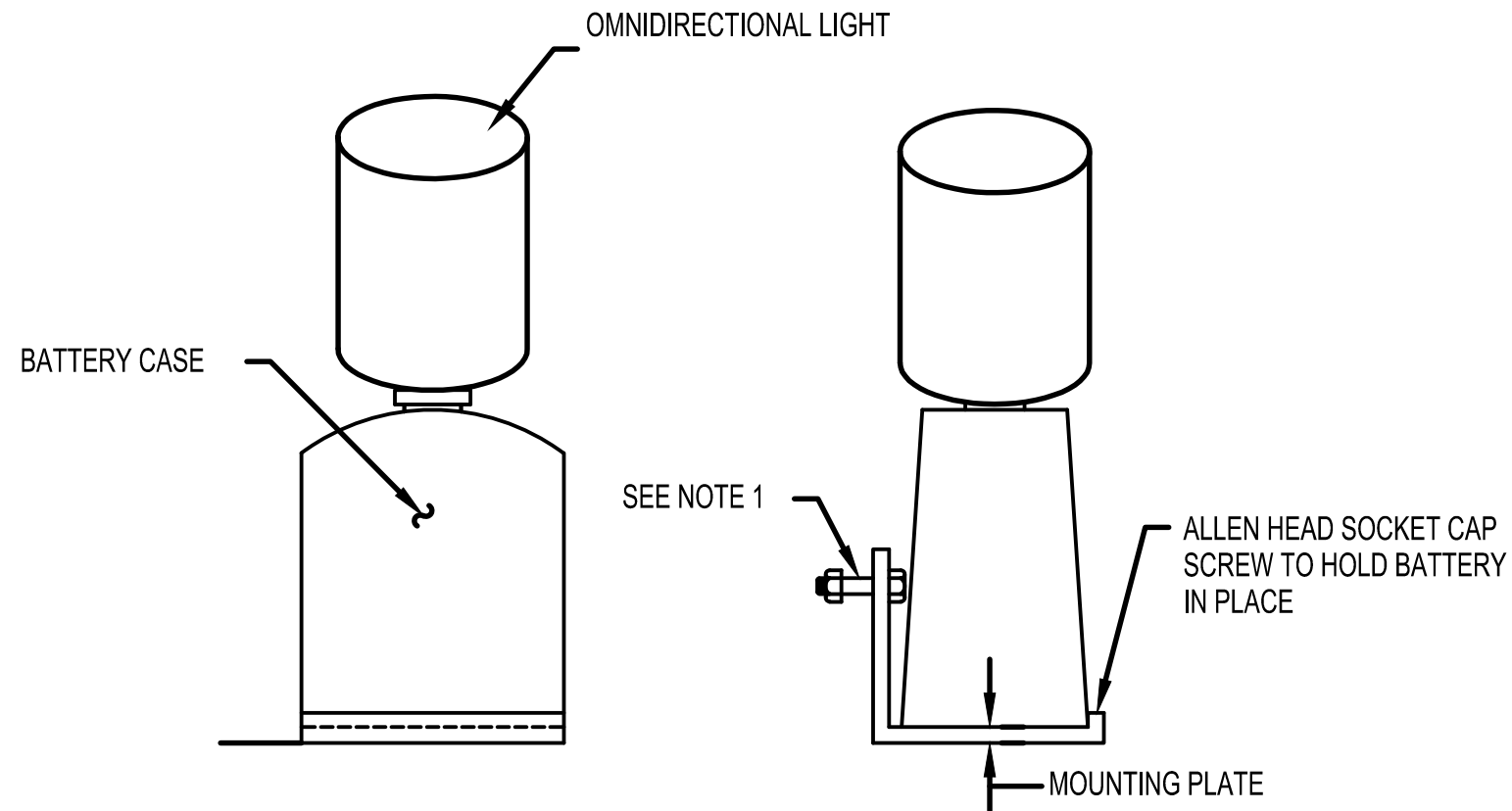
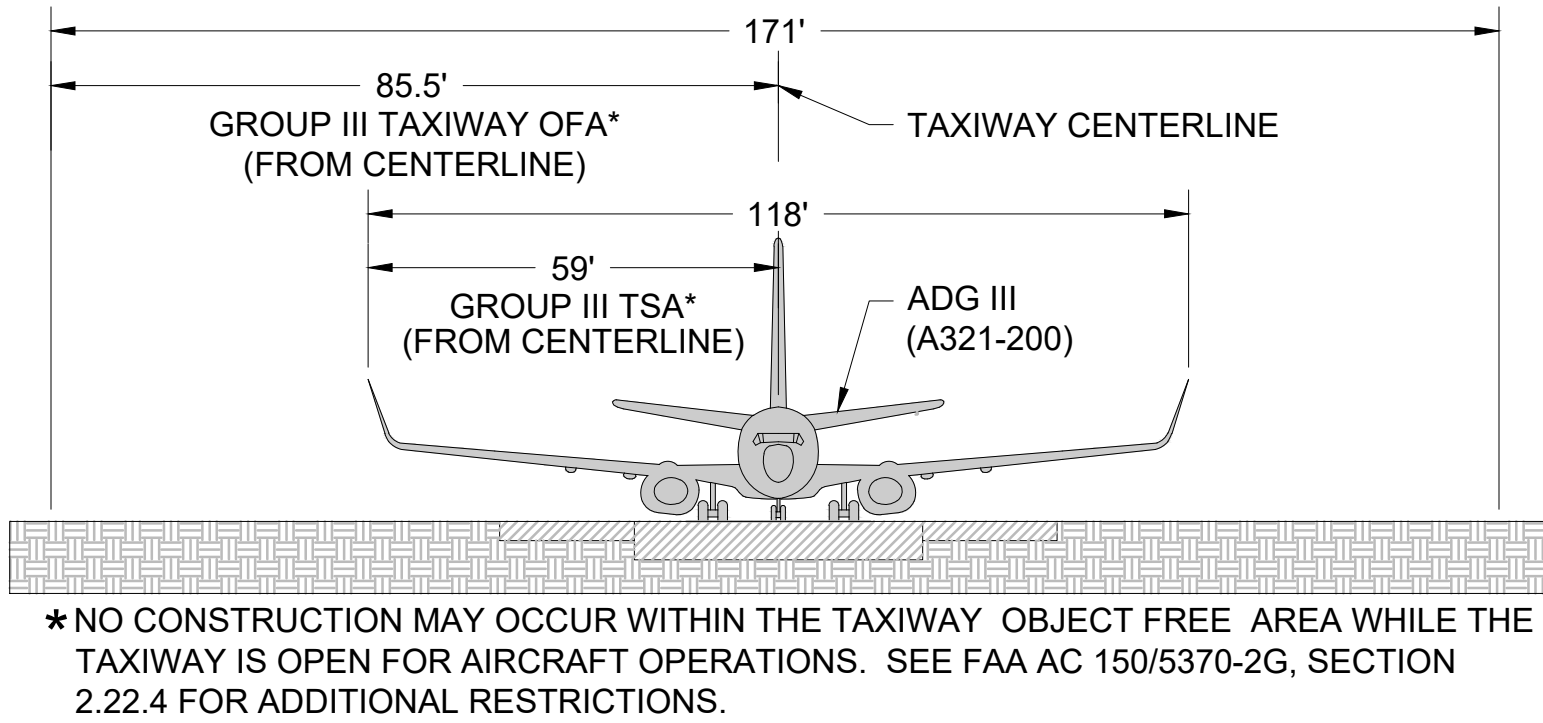
THE PRIME CONTRACTOR SHALL HAVE THE PROJECT SUPERINTENDENT OR SOMEONE IN RESPONSIBLE CHARGE BE PRESENT AT ALL TIMES ON THE PROJECT SITE. THIS PERSON SHALL BE FAMILIAR WITH ALL TYPES OF CONSTRUCTION BEING PERFORMED AND SHALL BE THE SAME PERSON EACH DAY THROUGHOUT THE PROJECT. THE SUPERINTENDENT SHALL 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.



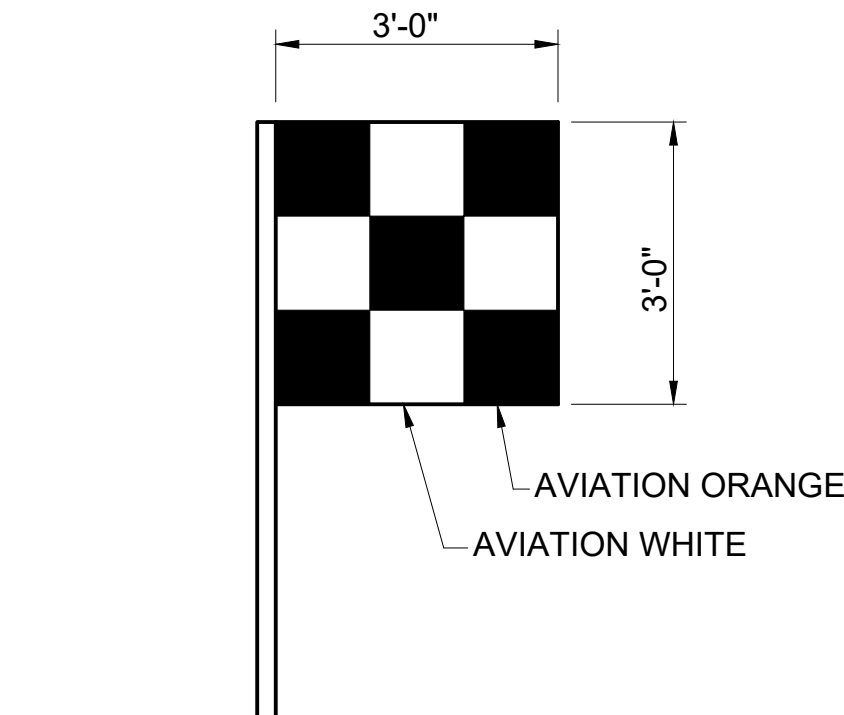
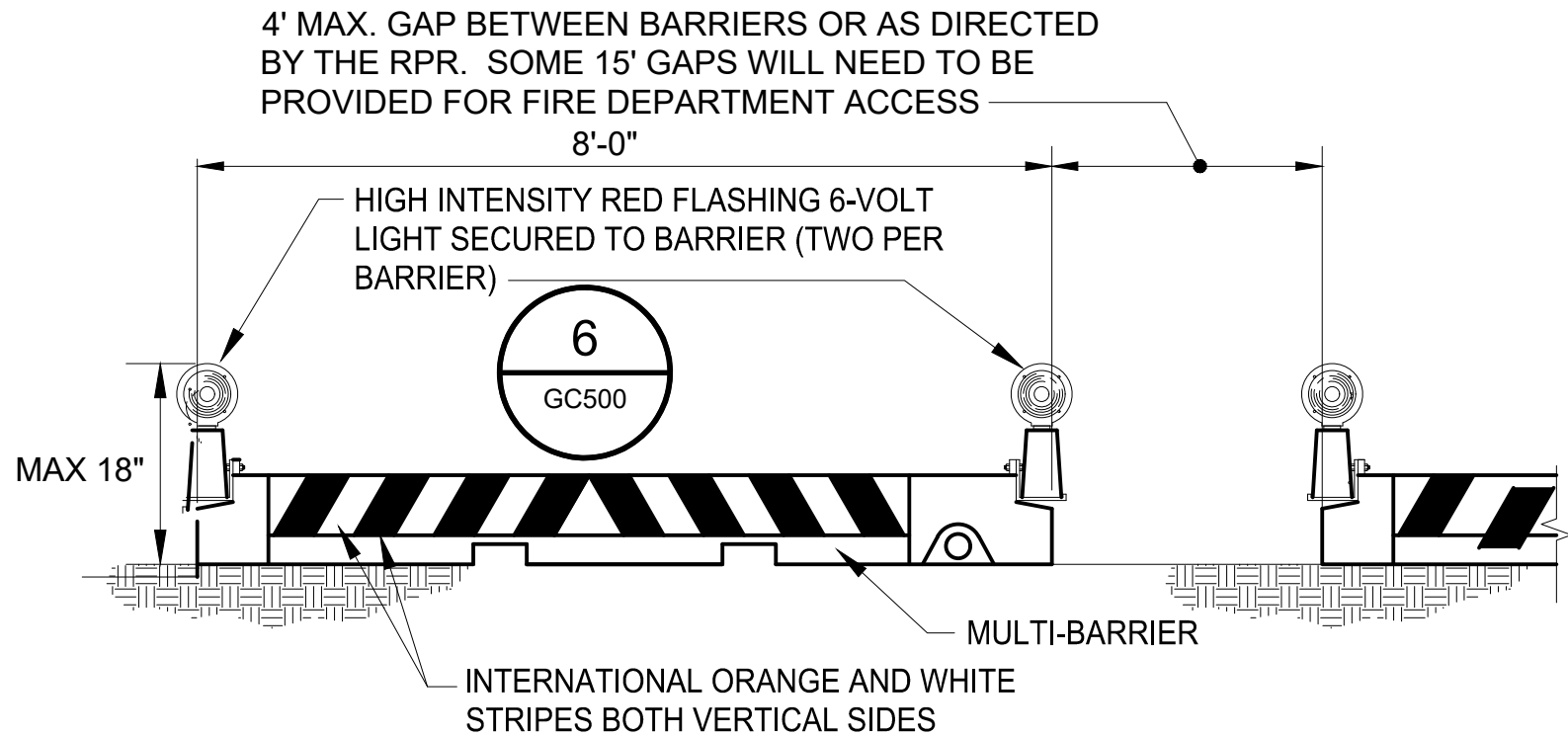
FAR PART 77 NOTES:

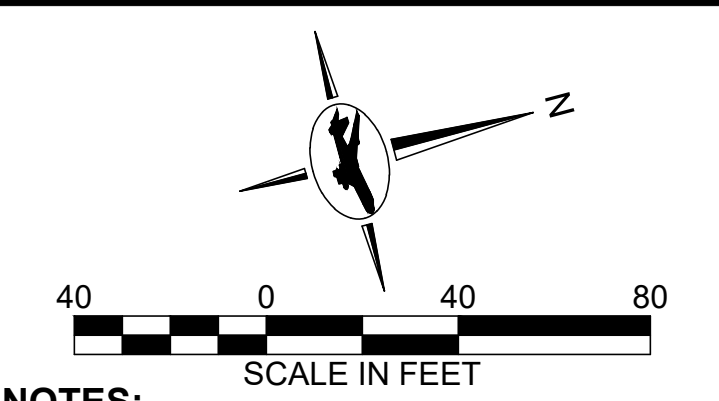
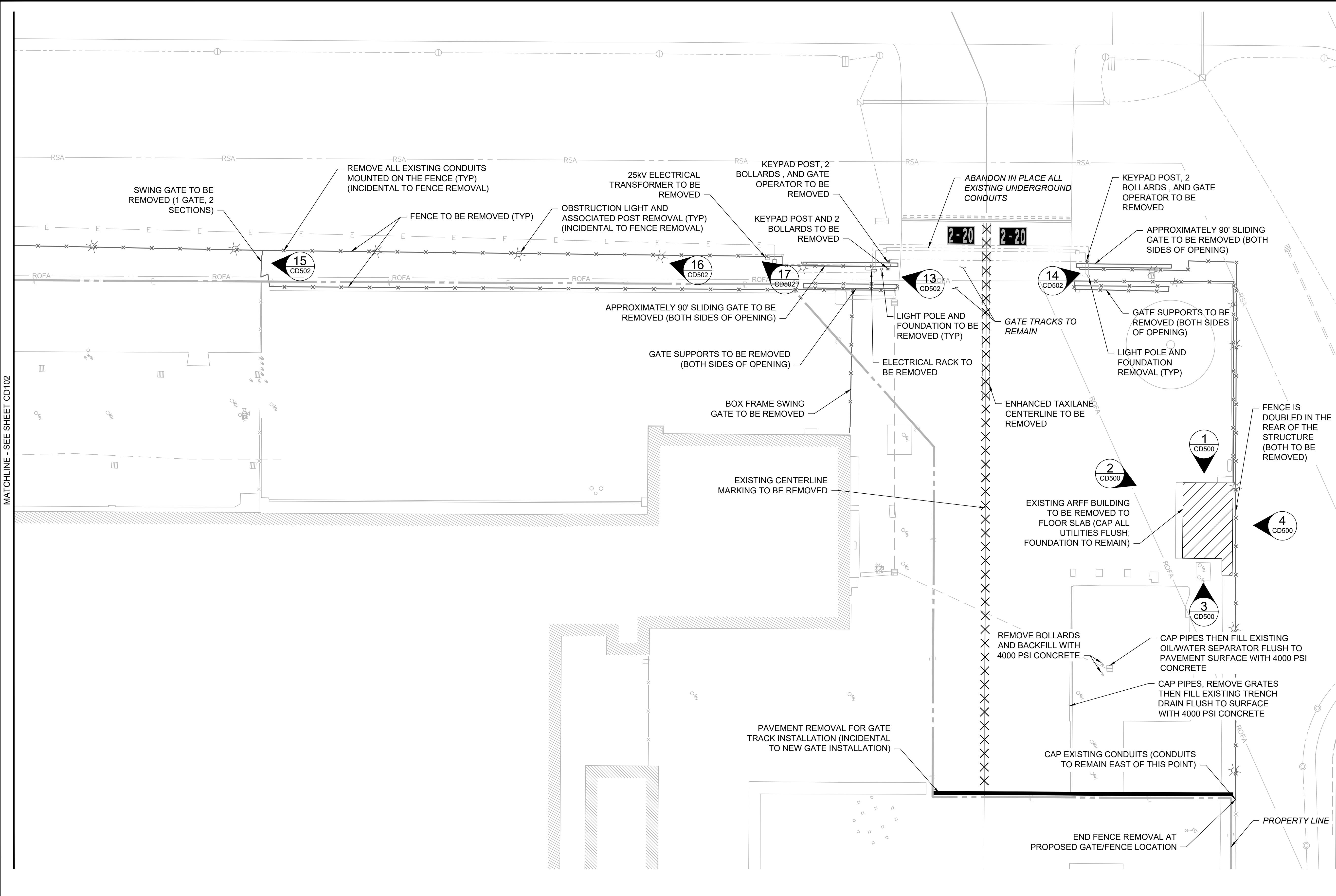
1. THE OFZ SHALL GOVERN EQUIPMENT CLEARANCE DURING CONSTRUCTION ADJACENT TO AN ACTIVE RUNWAY. UNDER NO CIRCUMSTANCES SHALL ANY MEN OR EQUIPMENT PENETRATE THESE SURFACES UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE WITH THE RPR, HGR, AND THE TOWER.
2. THE FAR PART 77 SURFACES (PRIMARY AND TRANSITIONAL) GOVERN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



NOTES:

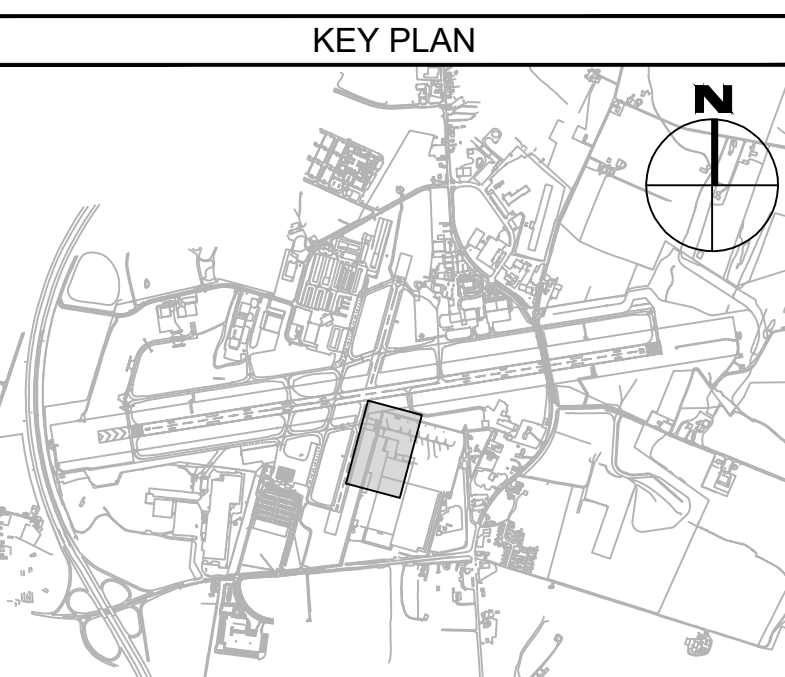
1. MOUNTING PER MANUFACTURER RECOMMENDATION TO WITHSTAND 80 MPH JET BLAST.



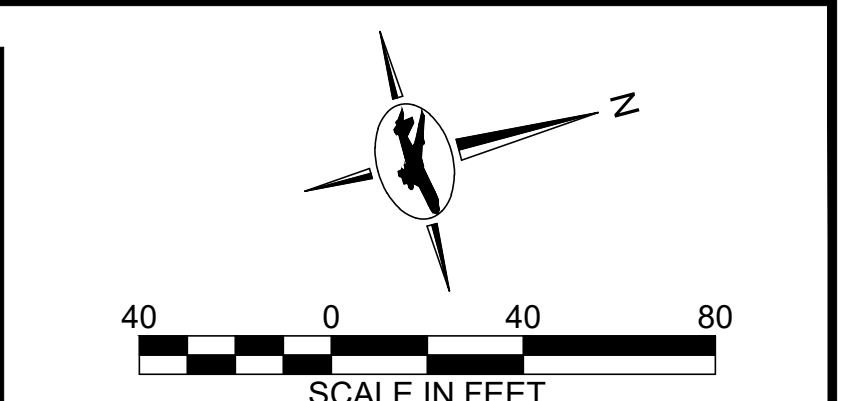
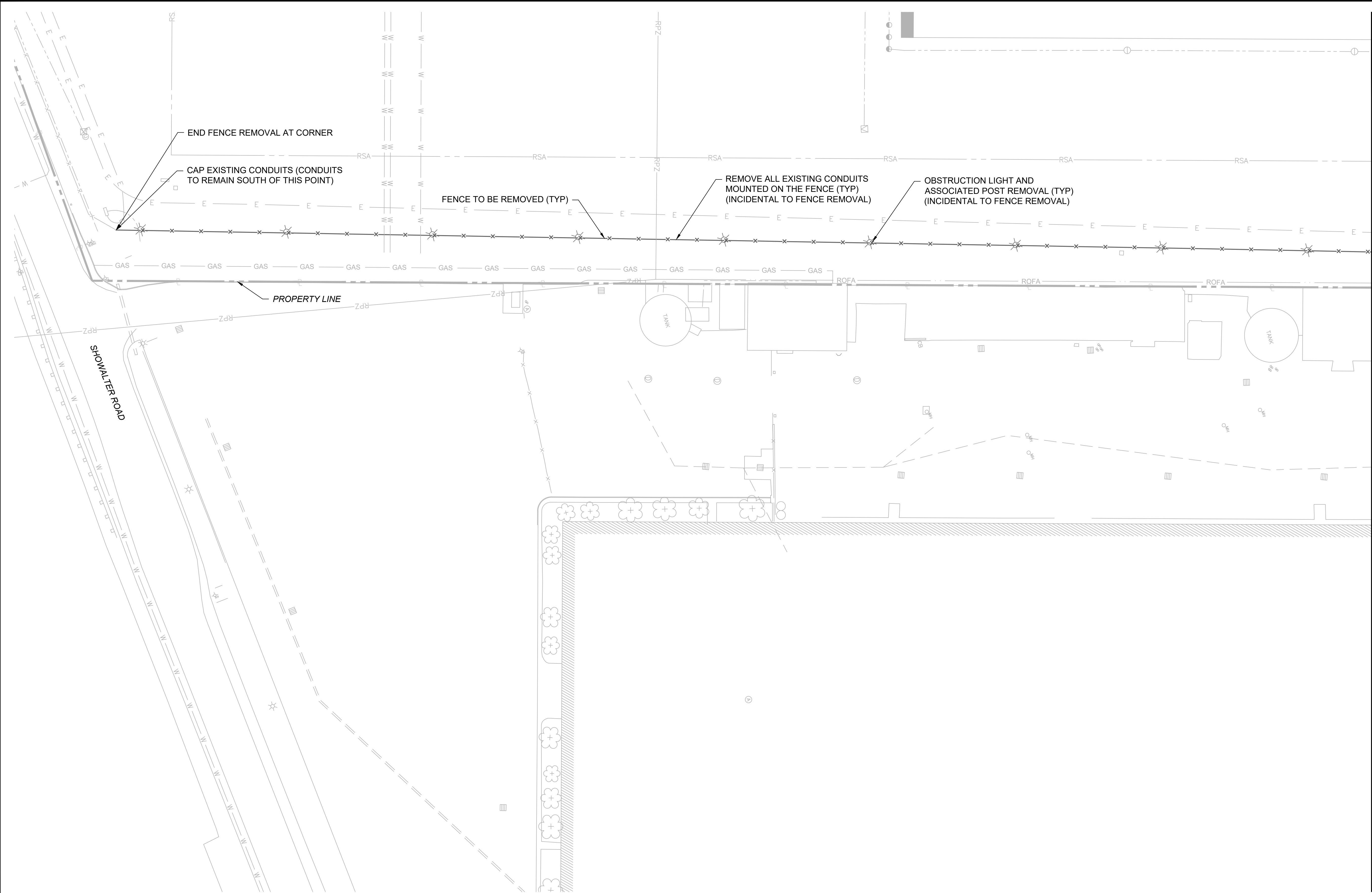


- NOTES:**
- ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
 - SEE SHEET GC101 FOR SURVEY CONTROL AND BASELINE PLAN.
 - THE REMOVAL OF THE EXISTING CONDUITS, CONDUCTORS, AND OBSTRUCTION LIGHTS MOUNTED ON THE EXISTING FENCE IS INCIDENTAL TO THE LINE ITEM FOR REMOVAL OF THE EXISTING FENCE. SIMILARLY, THE REMOVAL OF GROUNDING RODS AND WIRE IS INCIDENTAL TO THE REMOVAL OF THE EXISTING FENCE ITEM.
 - CONTRACTOR SHALL COORDINATE WITH THE POWER COMPANY IN ORDER TO RELOCATE THE EXISTING ELECTRICAL TRANSFORMER. POWER TO THE MUSEUM MUST NOT BE INTERRUPTED.
 - CONTRACTOR SHALL RETAIN ALL SIGNS ON THE FENCE WHICH IS TO BE DEMOLISHED AND PROVIDE THE SIGNS TO THE AIRPORT.
 - PHOTOS 5 AND 6 ON SHEET CD500 DO NOT HAVE A PHOTO LOCATION SHOWN ON THIS SHEET BECAUSE THEY ARE INSIDE OF THE BUILDING.
 - 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
 - RSA RUNWAY SAFETY AREA
 - ROFA RUNWAY OBJECT FREE AREA

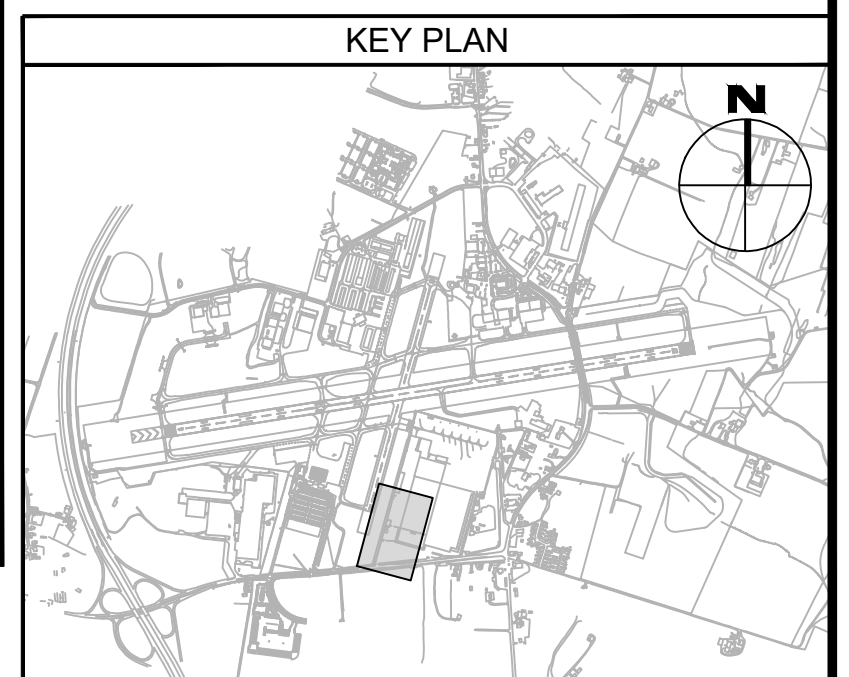


CONSULTANT: AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602		SEAL: 	PROFESSIONAL CERTIFICATION: "I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND" LICENSE NO. 32705 EXPIRATION DATE: 02/21/2026	DESIGNED: B.J.D. DRAWN: J.A.A. CHECKED: V.J.D. APPROVED: R.N.M.	REVISION NO. REVISION DATE DESCRIPTIONS	PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT	SHEET TITLE: EXISTING CONDITIONS AND DEMOLITION PLAN 1	SCALE: AS SHOWN DATE: APRIL 2025	FAA AIP No.: 3240019-071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040 SHEET NO.: CD101 13 OF 48
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- 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: 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: B.J.D.	REVISION NO.	REVISION DATE	DESCRIPTIONS	 Washington County, MD	PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT		FAA AIP No.: 324-0019-071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040
			DRAWN: J.A.A.					SHEET TITLE: EXISTING CONDITIONS AND DEMOLITION PLAN 2	SHEET NO.: CD102	
			CHECKED: V.J.D.					SCALE: AS SHOWN	DATE: APRIL 2025	14 OF 48
			APPROVED: R.N.M.							



1 ARFF BUILDING (WEST SIDE)
CD500 SCALE: NTS



2 ARFF BUILDING (SOUTH SIDE)
CD500 SCALE: NTS



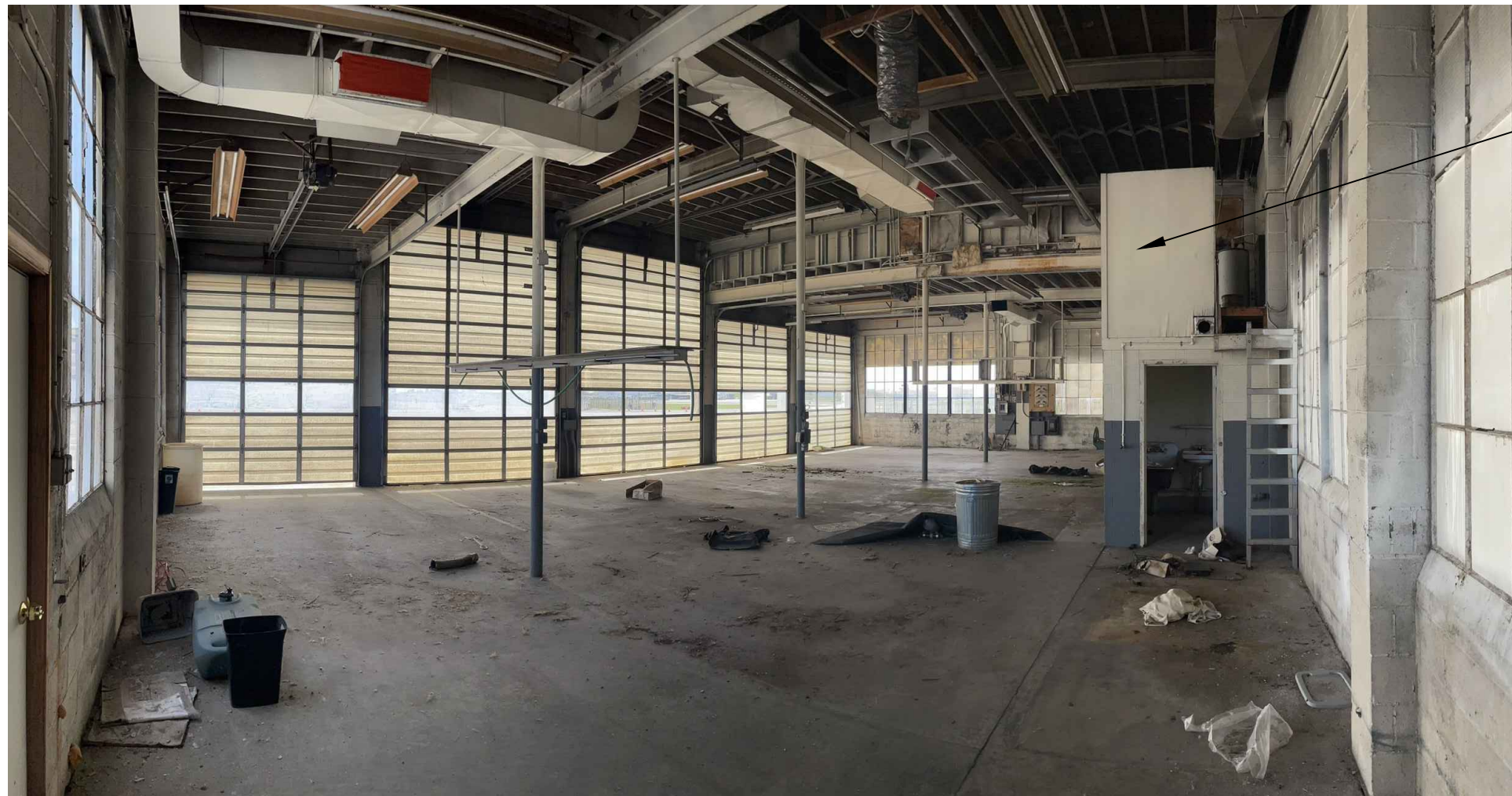
3 ARFF BUILDING (EAST SIDE)
CD500 SCALE: NTS

DEMOLITION NOTES:

1. 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.
2. THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE ARFF BUILDING'S DEMOLITION OFFSITE IN A LAWFUL MANNER.



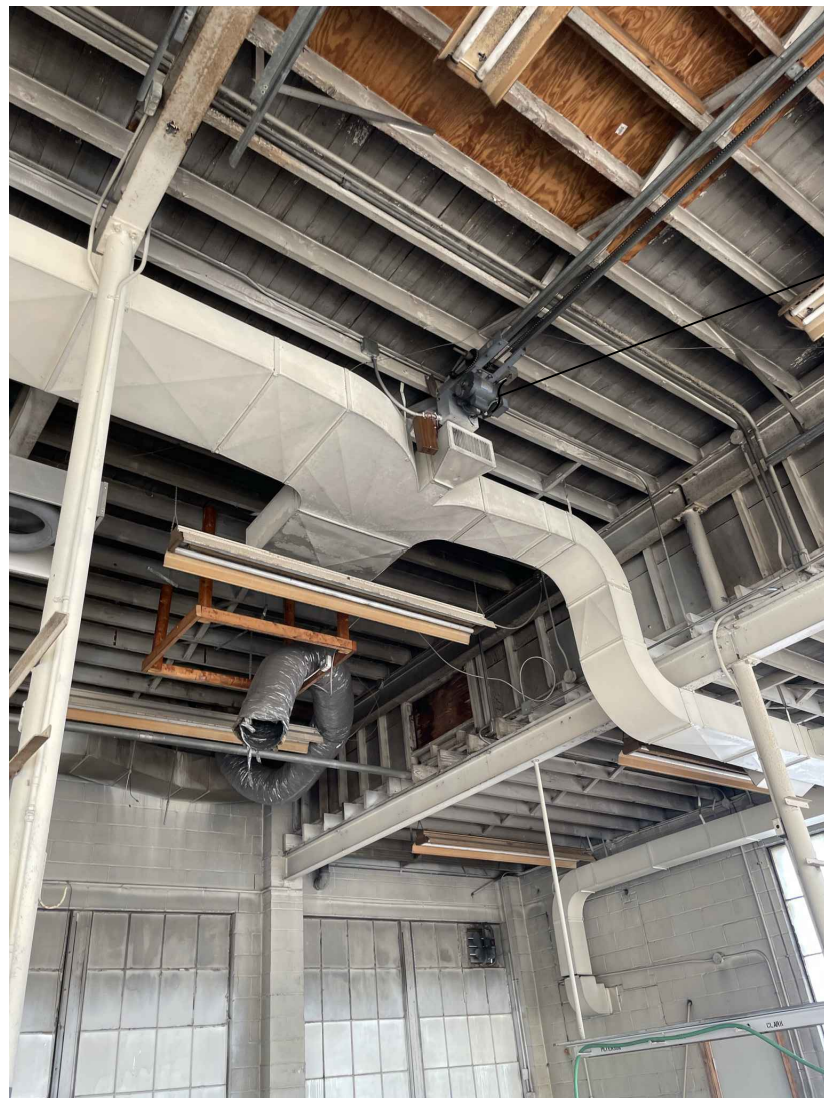
4 ARFF BUILDING (NORTH SIDE)
CD500 SCALE: NTS



5 ARFF BUILDING INTERIOR
CD500 SCALE: NTS



6 ARFF BUILDING FUEL PUMP
CD500 SCALE: NTS



DEMOLISH ALL
ROOF MOUNTED
FIXTURES

7 ARFF BUILDING DUCT WORK
CD501 SCALE: NTS



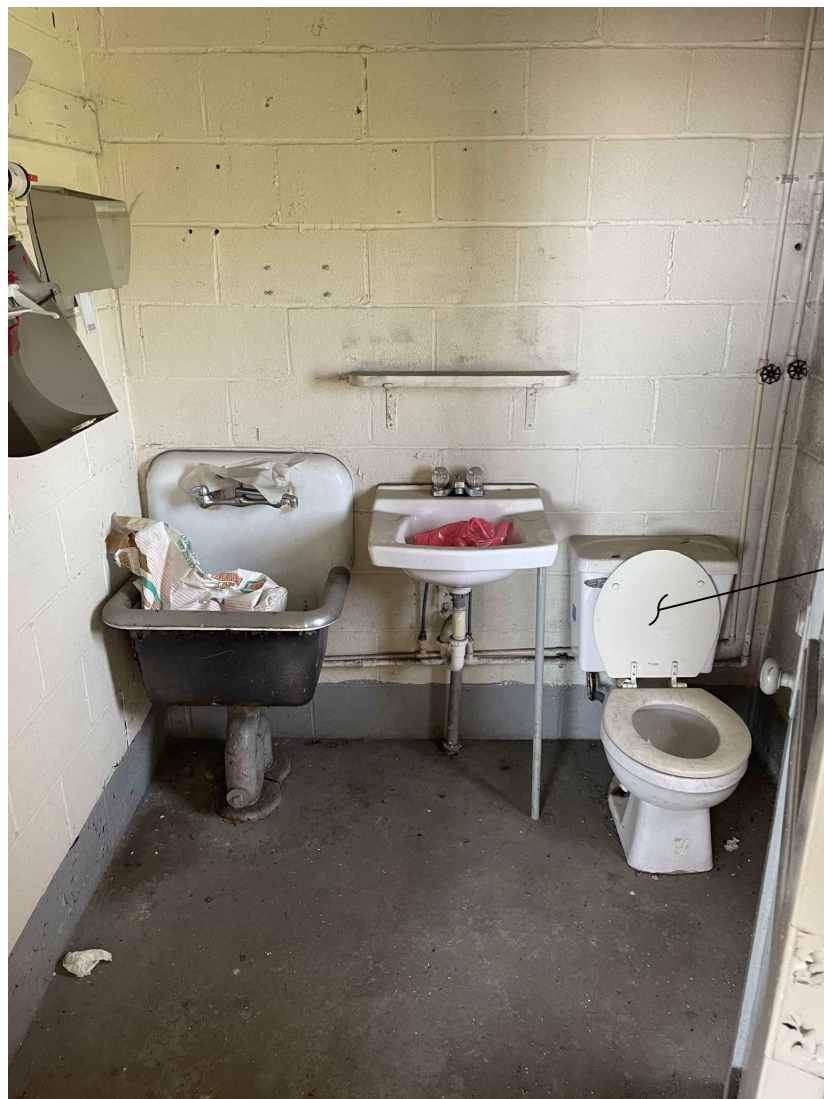
DEMOLISH
WALLS/WINDOWS
TO GROUND
LEVEL

8 ARFF BUILDING INSIDE WALLS
CD501 SCALE: NTS



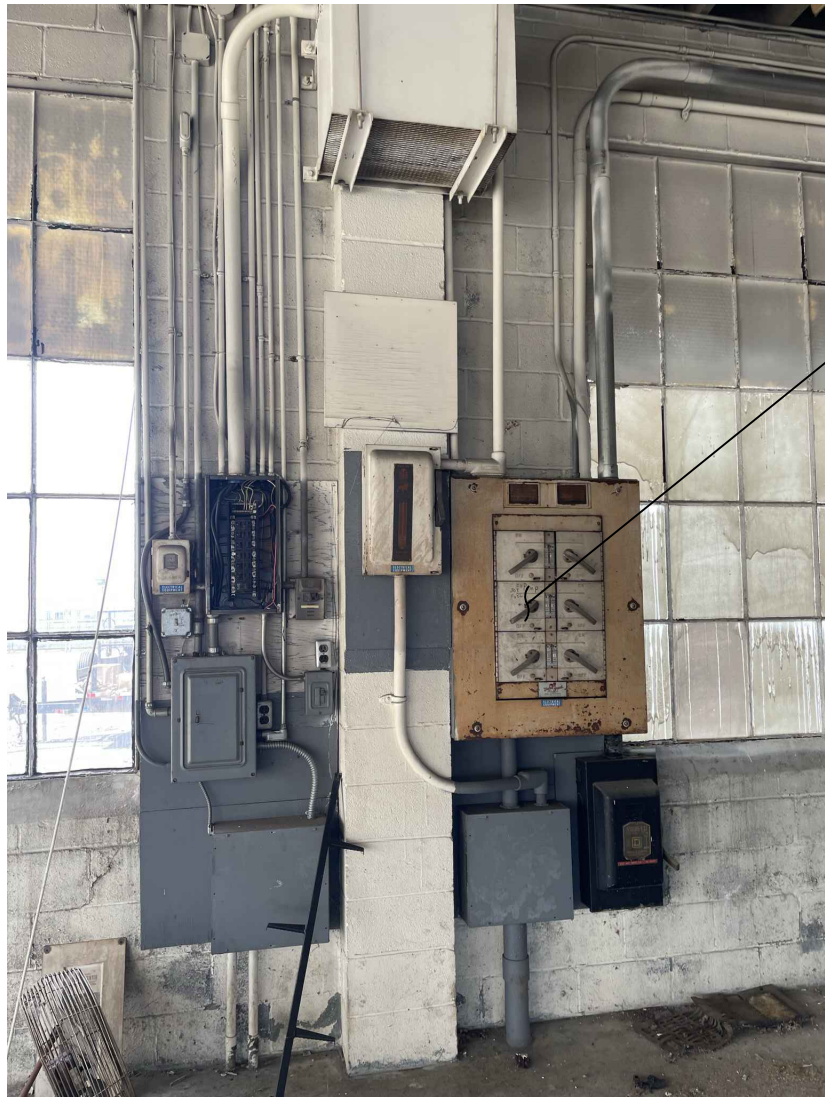
DEMOLISH ALL
FIXTURES

9 ARFF BUILDING INSIDE WALLS
CD501 SCALE: NTS



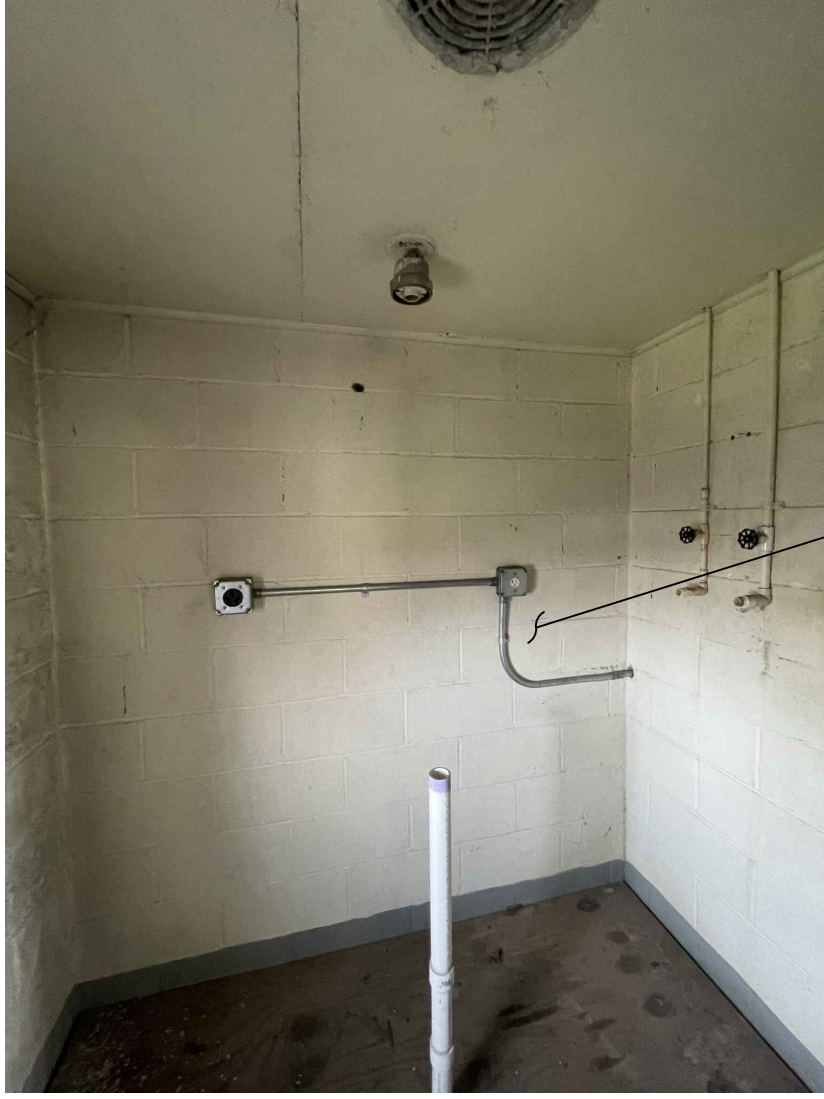
DEMOLISH ALL
FIXTURES

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



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)

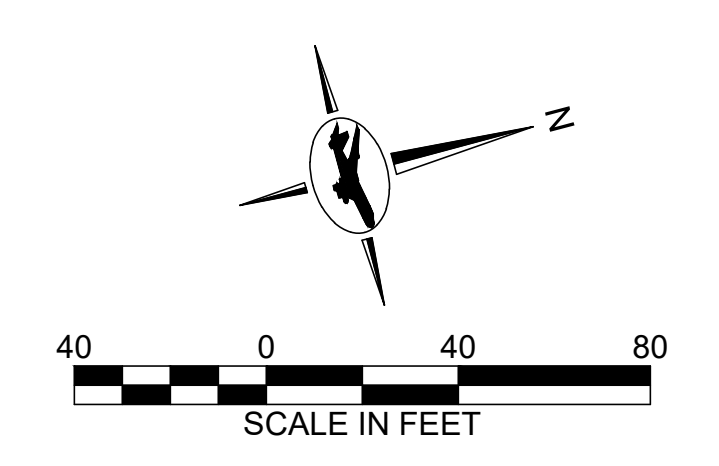
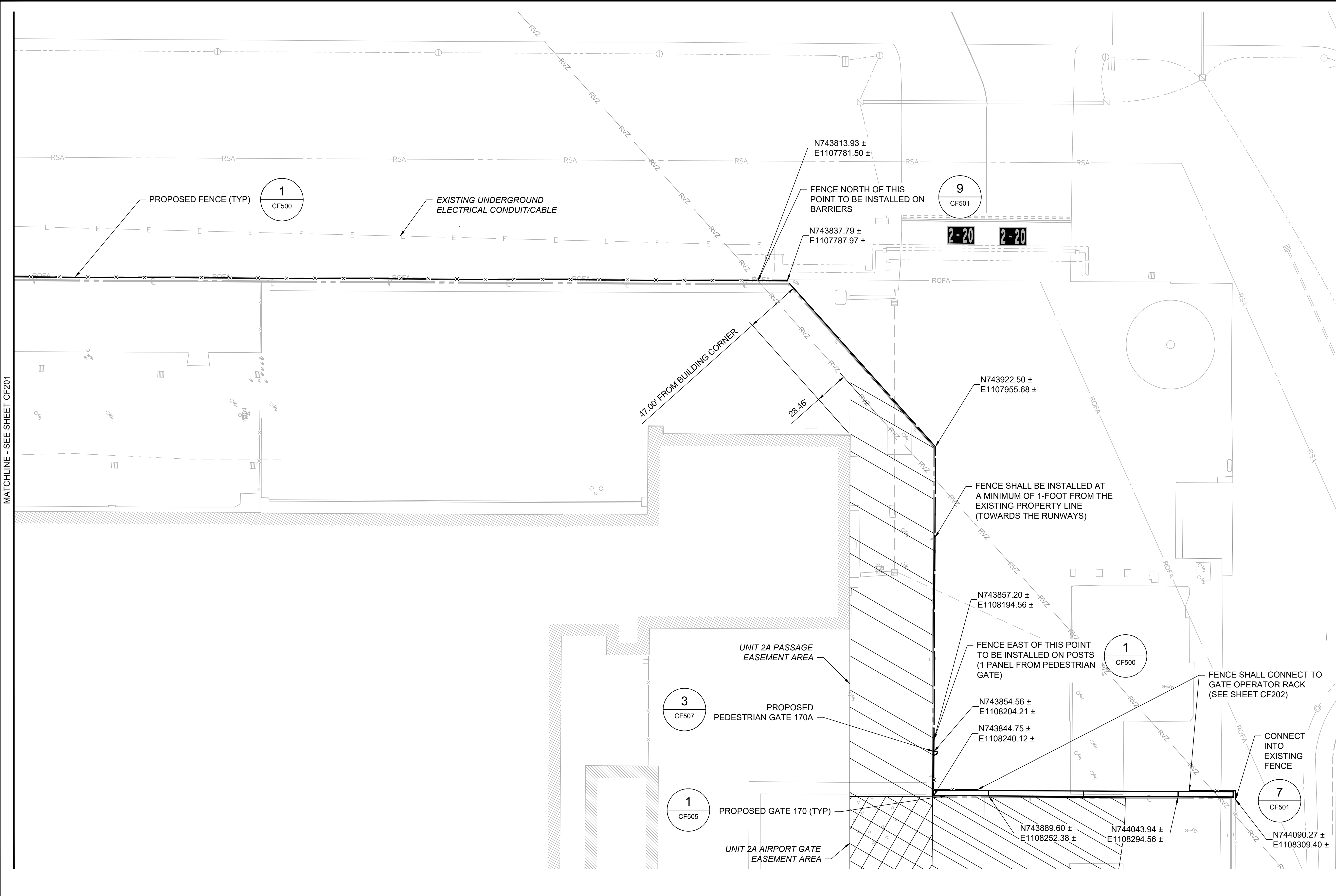
16 FENCE REMOVAL 1
CD502 SCALE: NTS



TRANSFORMER
AND BASE TO BE
REMOVED

17 TRANSFORMER REMOVAL 1
CD502 SCALE: NTS


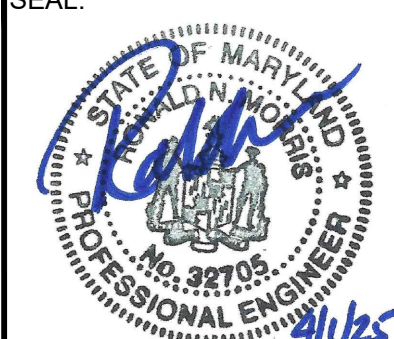

CONSULTANT:  AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602		SEAL: 	PROFESSIONAL CERTIFICATION: "I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND" LICENSE NO. 32705 EXPIRATION DATE: 02/21/2026	DESIGNED: B.J.D. DRAWN: J.A.A. CHECKED: V.J.D. APPROVED: R.N.M.	REVISION NO. REVISION DATE	DESCRIPTIONS	 HAGERSTOWN REGIONAL AIRPORT Washington County, MD	PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT SHEET TITLE: EXISTING CONDITIONS AND DEMOLITION DETAILS 3 SCALE: N.A. DATE: APRIL 2025	FAA AIP No.: 324-0019-071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040 SHEET NO.: CD502 17 OF 48
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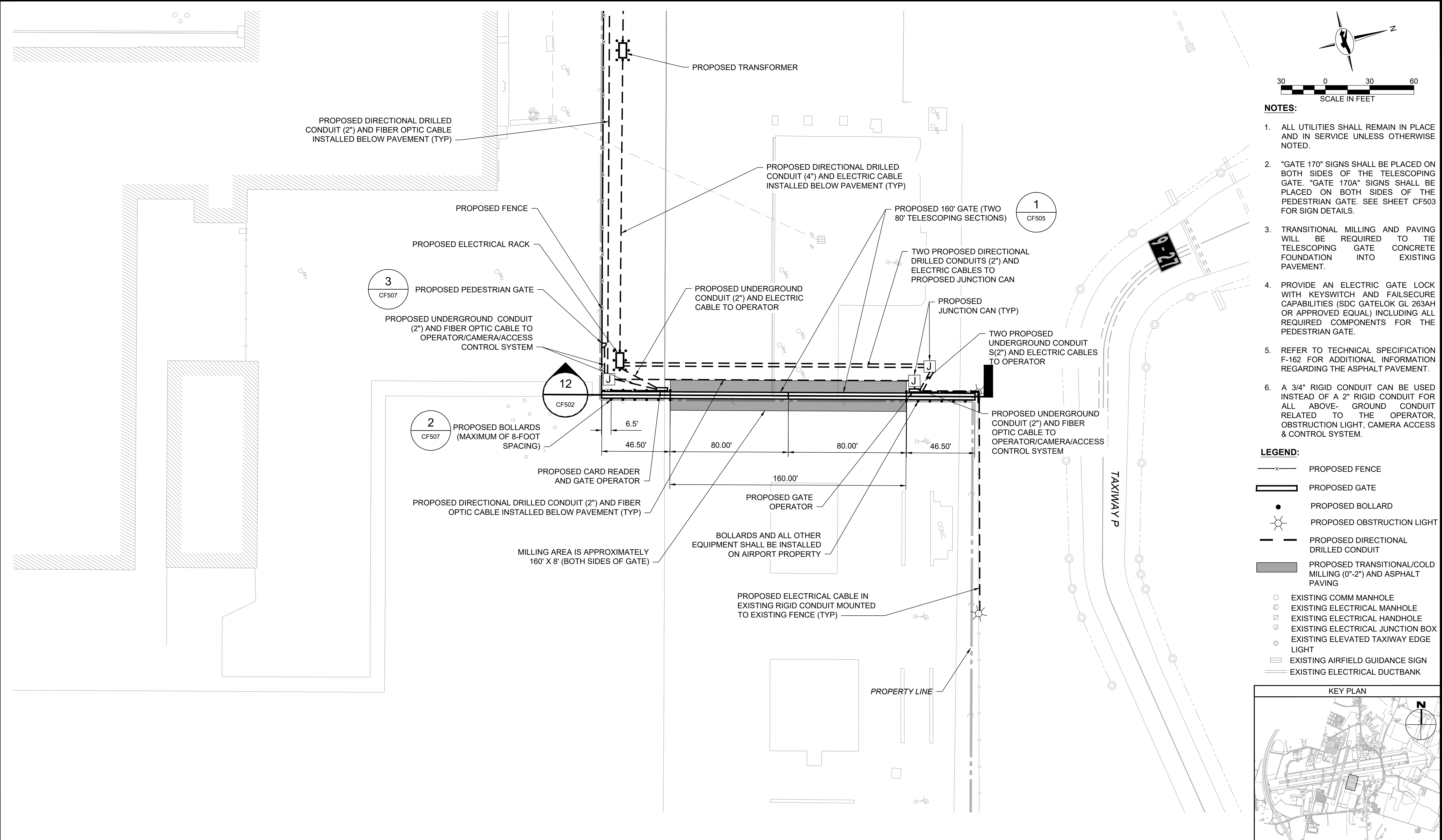


- NOTES:**
- ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
 - SEE SHEET GC101 FOR SURVEY CONTROL AND BASELINE PLAN.
 - SEE SHEETS CF202 FOR GATE PLAN.
 - SEE SHEET CF503 FOR PROPOSED SIGNS AND SPACING.
 - DO NOT DISTURB EXISTING SURVEY MARKERS ASSOCIATED WITH PROPERTY LINES 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
 - RSA RUNWAY SAFETY AREA
 - ROFA RUNWAY OBJECT FREE AREA
 - RVZ RUNWAY VISIBILITY ZONE

MATCHLINE - SEE SHEET CF201

CONSULTANT:  AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602		SEAL: 		PROFESSIONAL CERTIFICATION: "I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND" LICENSE NO. 32705 EXPIRATION DATE: 02/21/2026		DESIGNED: B.J.D. DRAWN: J.A.A. CHECKED: V.J.D. APPROVED: R.N.M.		REVISION NO. REVISION DATE DESCRIPTIONS		<div style="text-align: center; font-size: 2em; opacity: 0.5;">BID DOCUMENTS</div>		 HAGERSTOWN REGIONAL AIRPORT Washington County, MD		PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT		SHEET TITLE: FENCING PLAN 1		SCALE: AS SHOWN DATE: APRIL 2025		FAA AIP No.: 3240019-071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040 SHEET NO.: CF200 18 OF 48	
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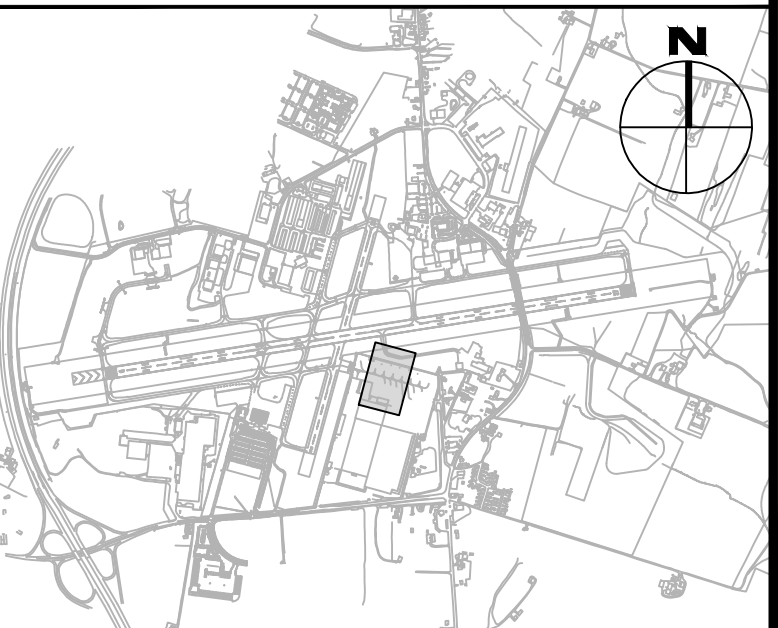
NOTES:



1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
2. "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.
3. TRANSITIONAL MILLING AND PAVING WILL BE REQUIRED TO TIE TELESCOPING GATE CONCRETE FOUNDATION INTO EXISTING PAVEMENT.
4. PROVIDE AN ELECTRIC GATE LOCK WITH KEYSWITCH AND FAILSECURE CAPABILITIES (SDC GATELOK GL 263AH OR APPROVED EQUAL) INCLUDING ALL REQUIRED COMPONENTS FOR THE PEDESTRIAN GATE.
5. REFER TO TECHNICAL SPECIFICATION F-162 FOR ADDITIONAL INFORMATION REGARDING THE ASPHALT PAVEMENT.
6. A 3/4" RIGID CONDUIT CAN BE USED INSTEAD OF A 2" RIGID CONDUIT FOR ALL ABOVE- GROUND CONDUIT RELATED TO THE OPERATOR, OBSTRUCTION LIGHT, CAMERA ACCESS & CONTROL SYSTEM.

LEGEND:

- PROPOSED FENCE
- PROPOSED GATE
- PROPOSED BOLLARD
- PROPOSED OBSTRUCTION LIGHT
- PROPOSED DIRECTIONAL DRILLED CONDUIT
- PROPOSED TRANSITIONAL/COLD MILLING (0"-2") AND ASPHALT PAVING
- 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

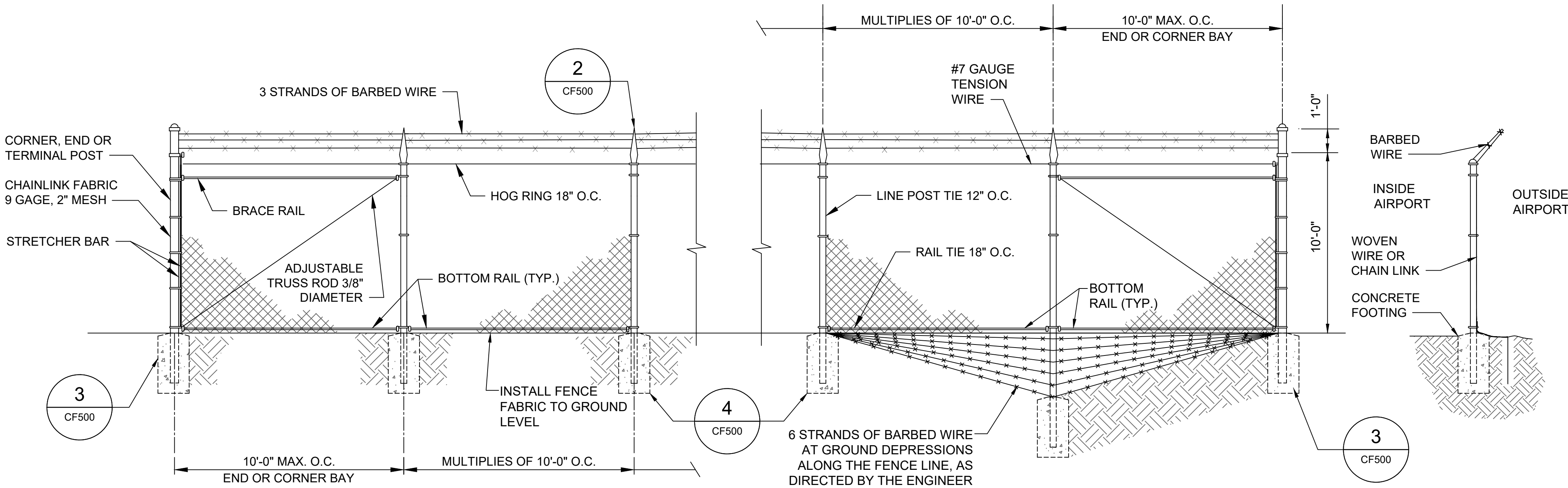
KEY PLAN



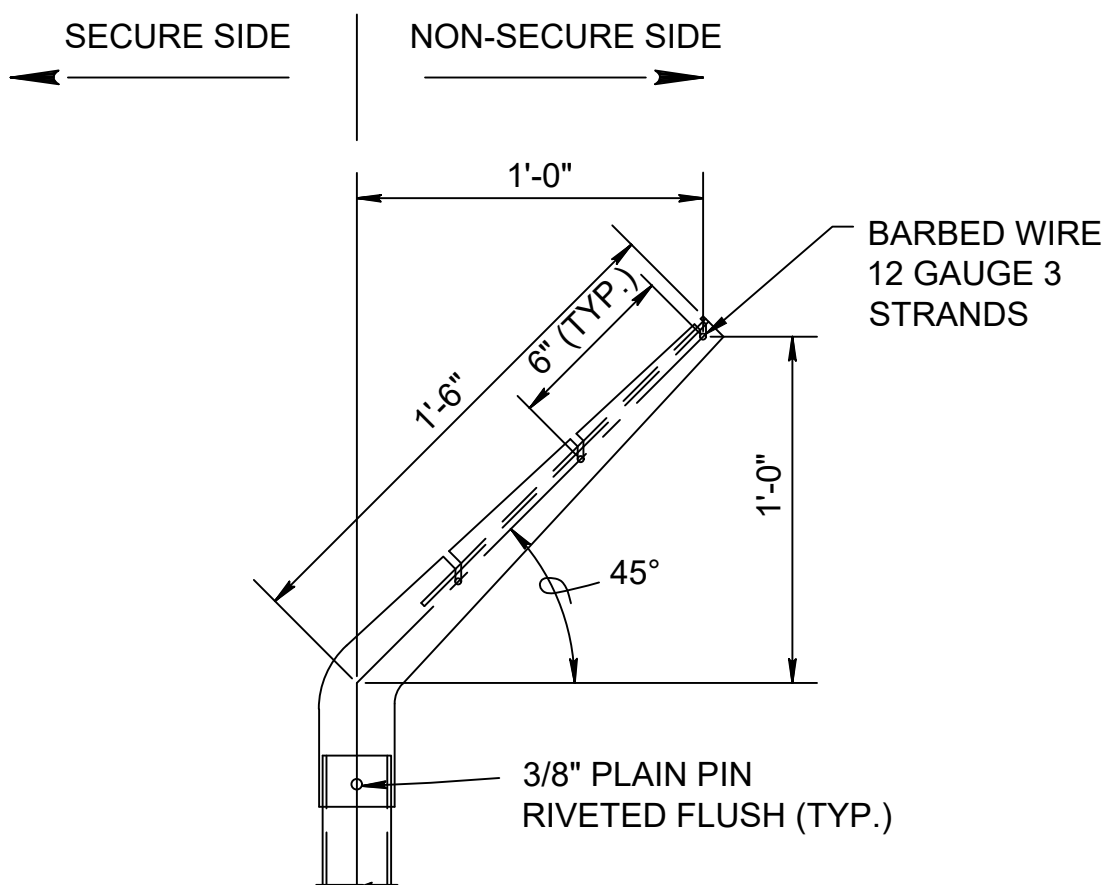
CONSULTANT:  AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLCOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602		SEAL: 		PROFESSIONAL CERTIFICATION: "I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND" LICENSE NO. 32705 EXPIRATION DATE: 02/21/2026		DESIGNED: B.J.D. DRAWN: J.A.A. CHECKED: V.J.D. APPROVED: R.N.M.		REVISION NO. REVISION DATE DESCRIPTIONS		BID DOCUMENTS		 HAGERSTOWN REGIONAL AIRPORT Washington County, MD		PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT		SHEET TITLE: GATE PLAN		SCALE: AS SHOWN		DATE: APRIL 2025		SHEET NO.: CF202 20 OF 48	
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FENCE NOTES:

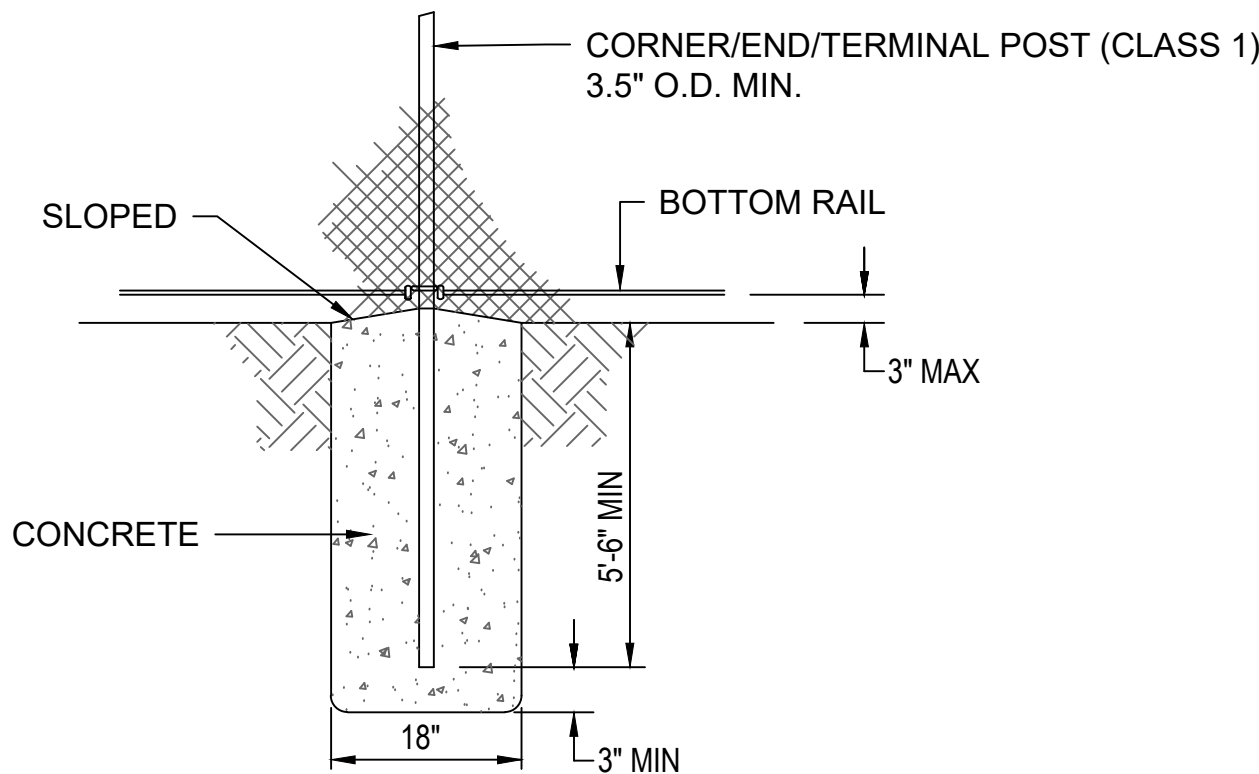
- AIRPORT AOA WARNING SIGNS SHALL BE INSTALLED AT ≈200 FOOT INTERVALS MINIMUM ALONG THE NEW FENCE LINE, SEE DETAIL ON SHEET CF503.
- ALL DIMENSIONS, SIZES, GAUGES, WEIGHTS, THICKNESS SHOWN ARE THE MINIMUM ACCEPTABLE, UNLESS OTHERWISE INDICATED.
- THE FEDERAL SPECIFICATIONS SHOWN SHALL BE INTERPRETED 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 SELVAGE 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, ½ 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.



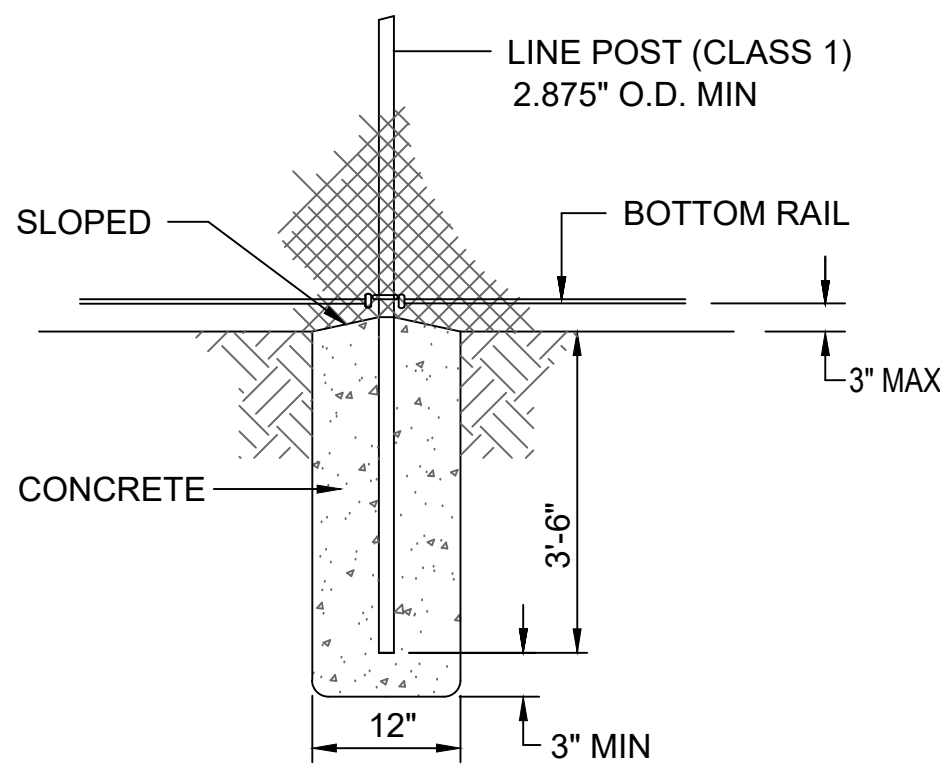
1 PERMANENT AOA FENCE
CF500 SCALE: NTS



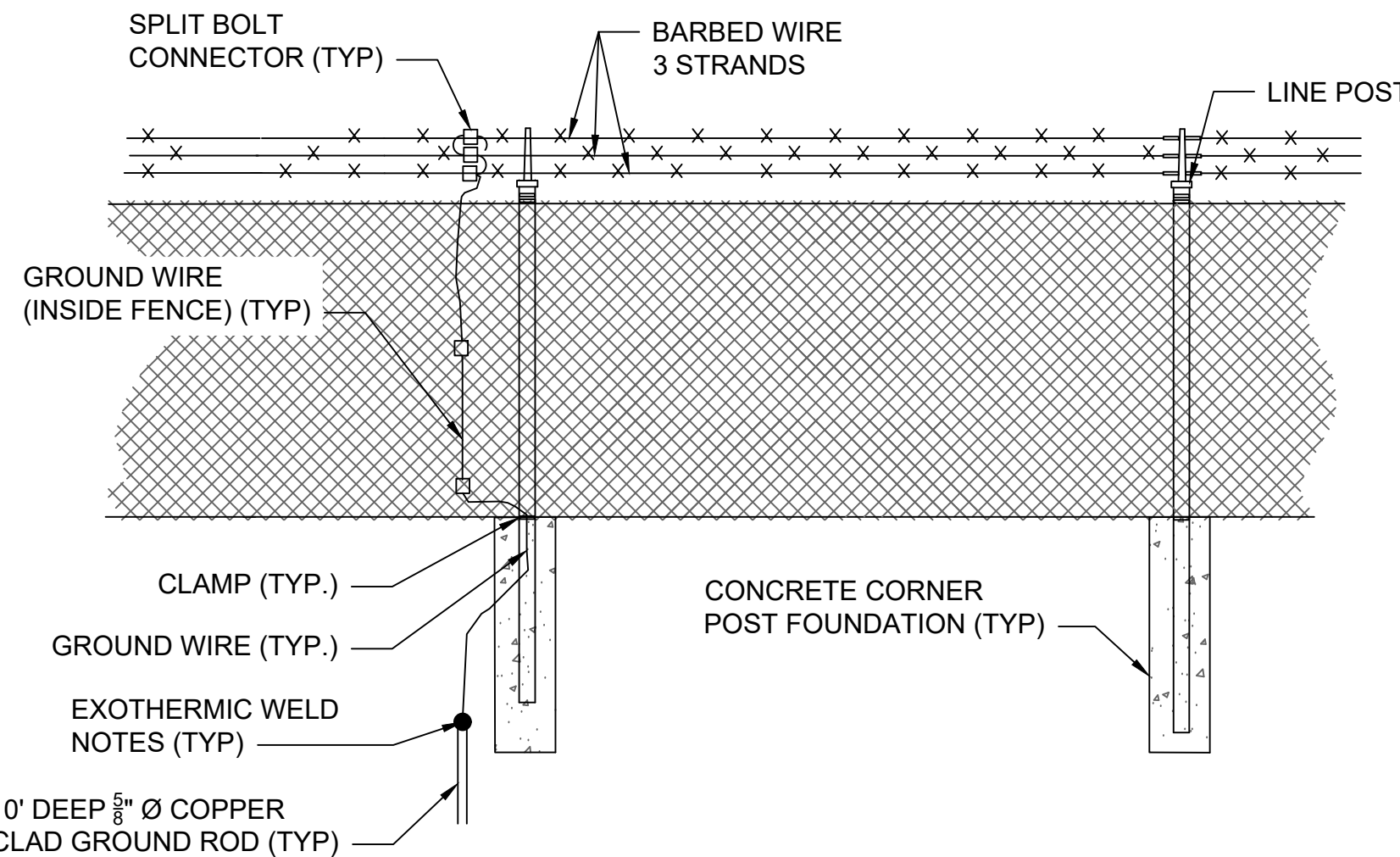
2 FENCE TOP DETAIL
CF500 SCALE: NTS



3 TYPICAL CORNER END TERMINAL POST
CF500 SCALE: NTS



4 TYPICAL LINE POST
CF500 SCALE: NTS



GROUNDING NOTES:

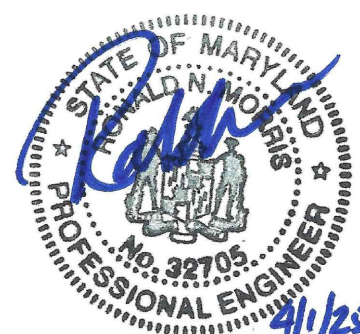
- GROUND ALL END POSTS, CORNER POSTS, PULL POSTS, AND GATE POSTS AS SHOWN IN THE GROUNDING ROD DETAIL. PLACE GROUND RODS AT LEAST EVERY 500 FEET ALONG THE FENCE LINE.
- IMPEDANCE TO GROUND OF EACH GROUND ROD SHALL NOT EXCEED 25 OHMS PRIOR TO ESTABLISHING CONNECTION TO OTHER GROUND ROD ELECTRODES. THE 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

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



HAGERSTOWN REGIONAL AIRPORT
Washington County, MD

PROJECT TITLE:

ARFF BUILDING DEMOLITION;
AOA FENCE/ACCESS GATE REALIGNMENT

SHEET TITLE:

FENCING DETAILS 1

SCALE:

N.A.

DATE:

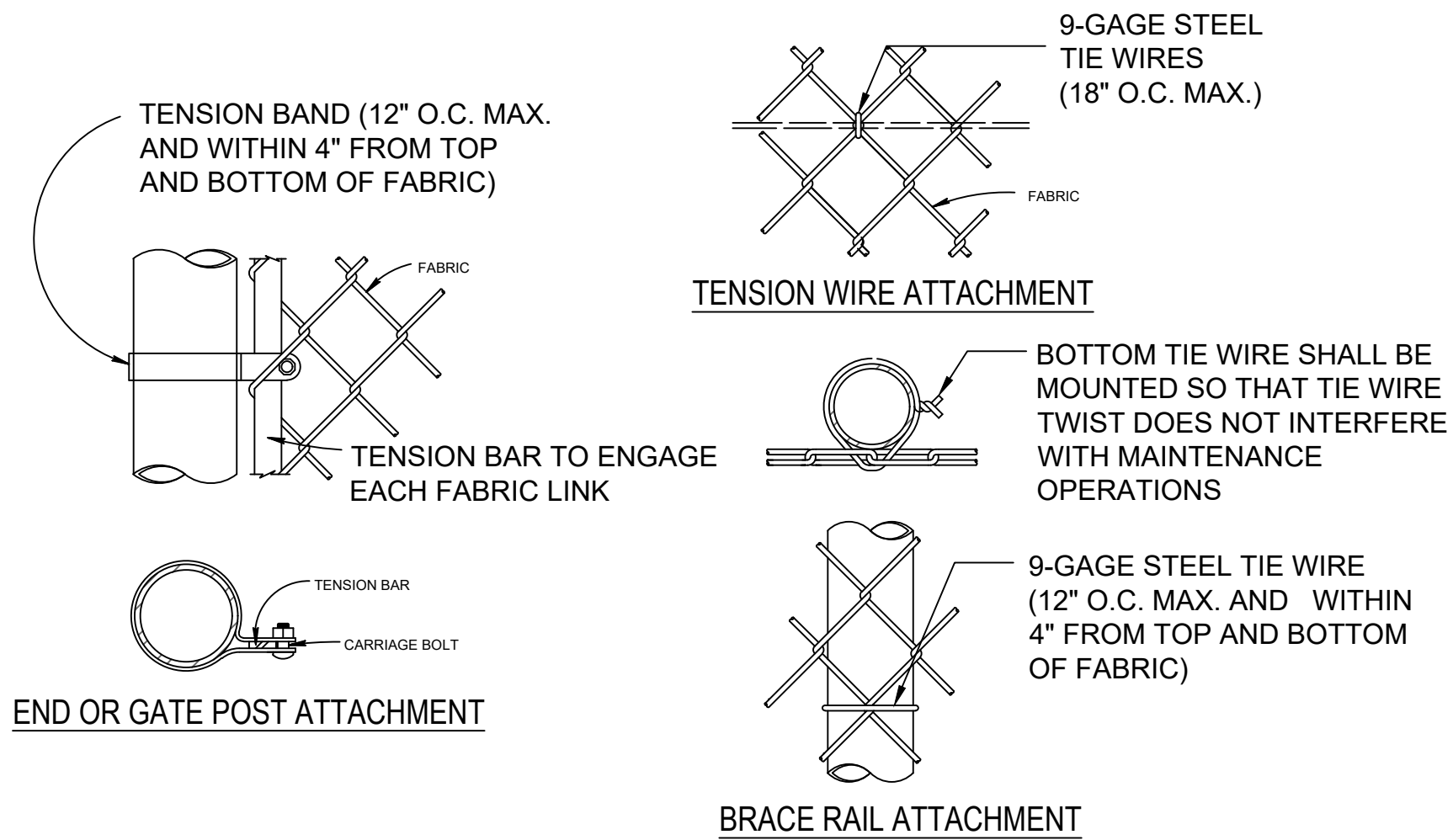
APRIL 2025

FAA AIP No.: 3240019071-2024
Bid No.: PUR-1744
Grading Permit No.: SGP-24-040

SHEET NO.:

CF500

21 OF 48



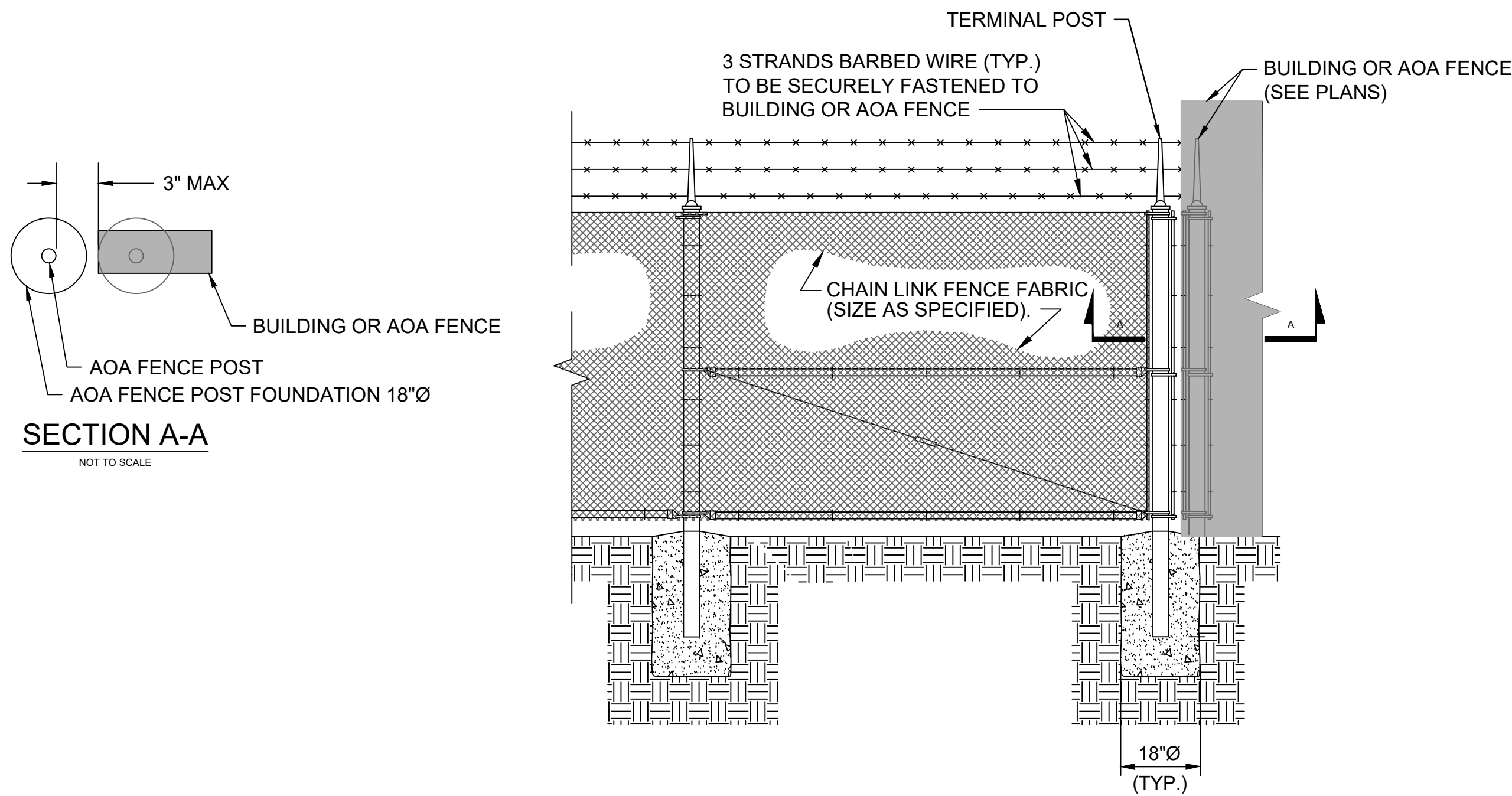
6 FABRIC FASTENING DETAILS

CF501 SCALE: NTS



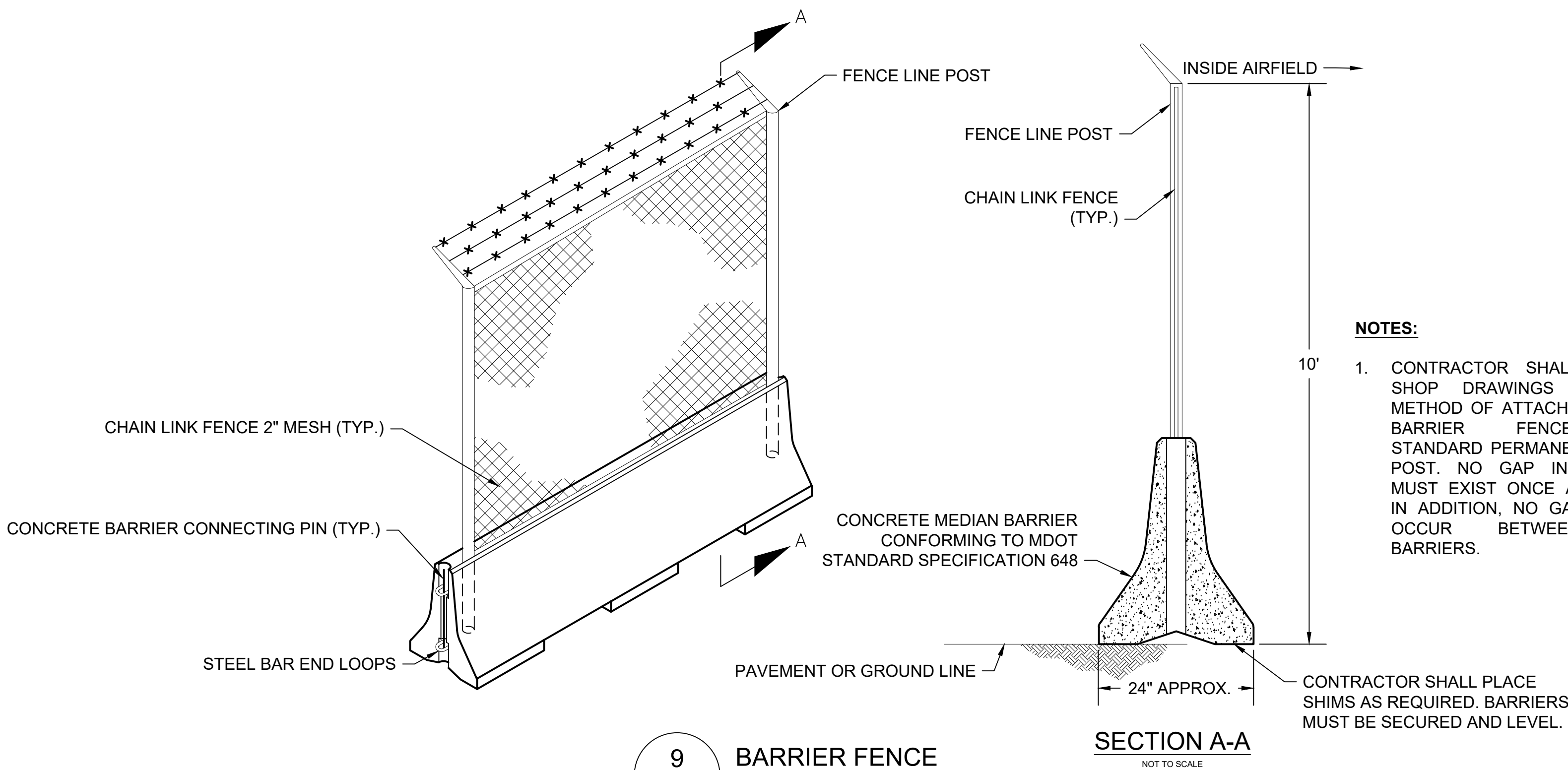
8 CLEAN FILL WASTE AREA

CF501 SCALE: NTS



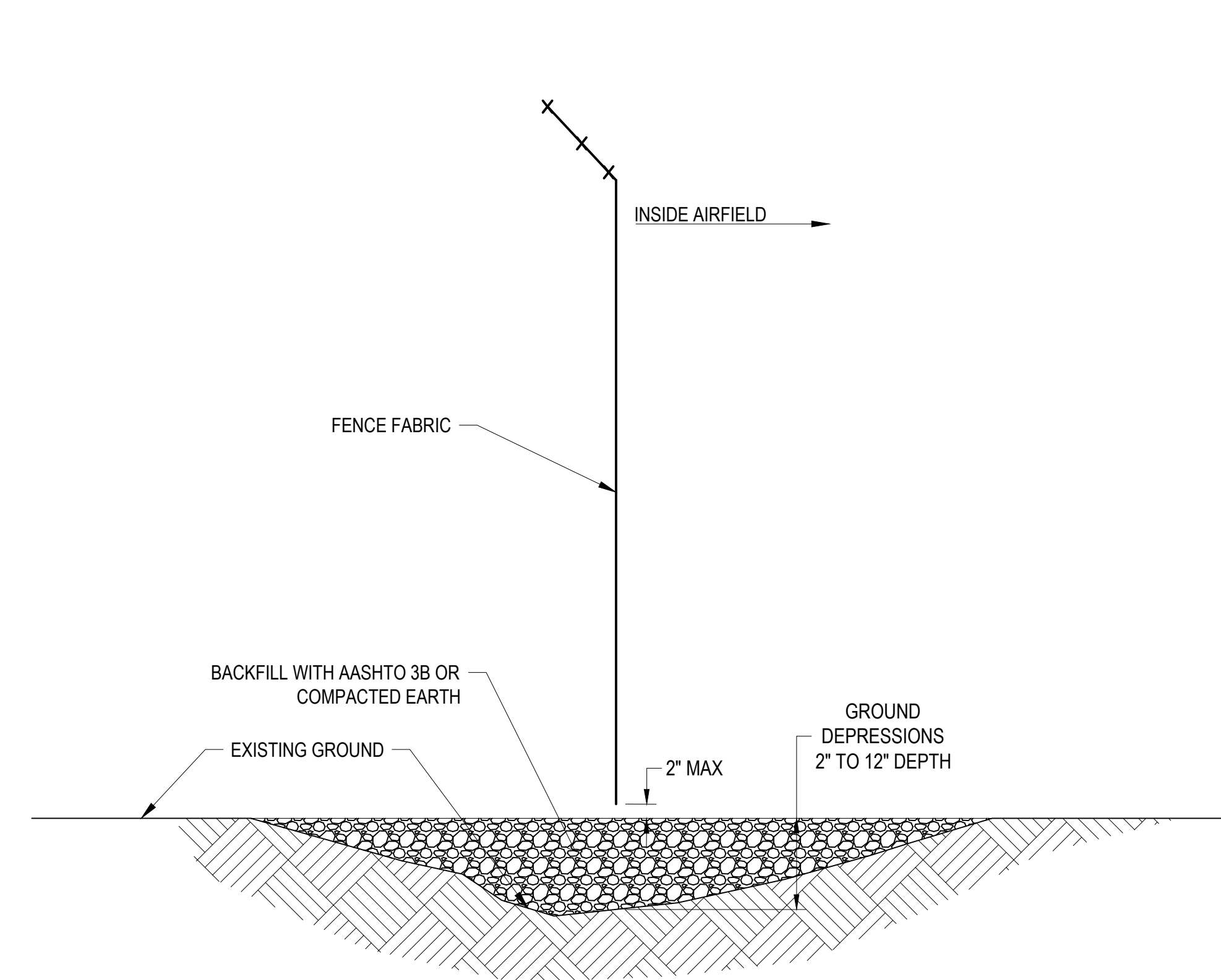
7 AOA FENCE CONNECTION

CF501 SCALE: NTS

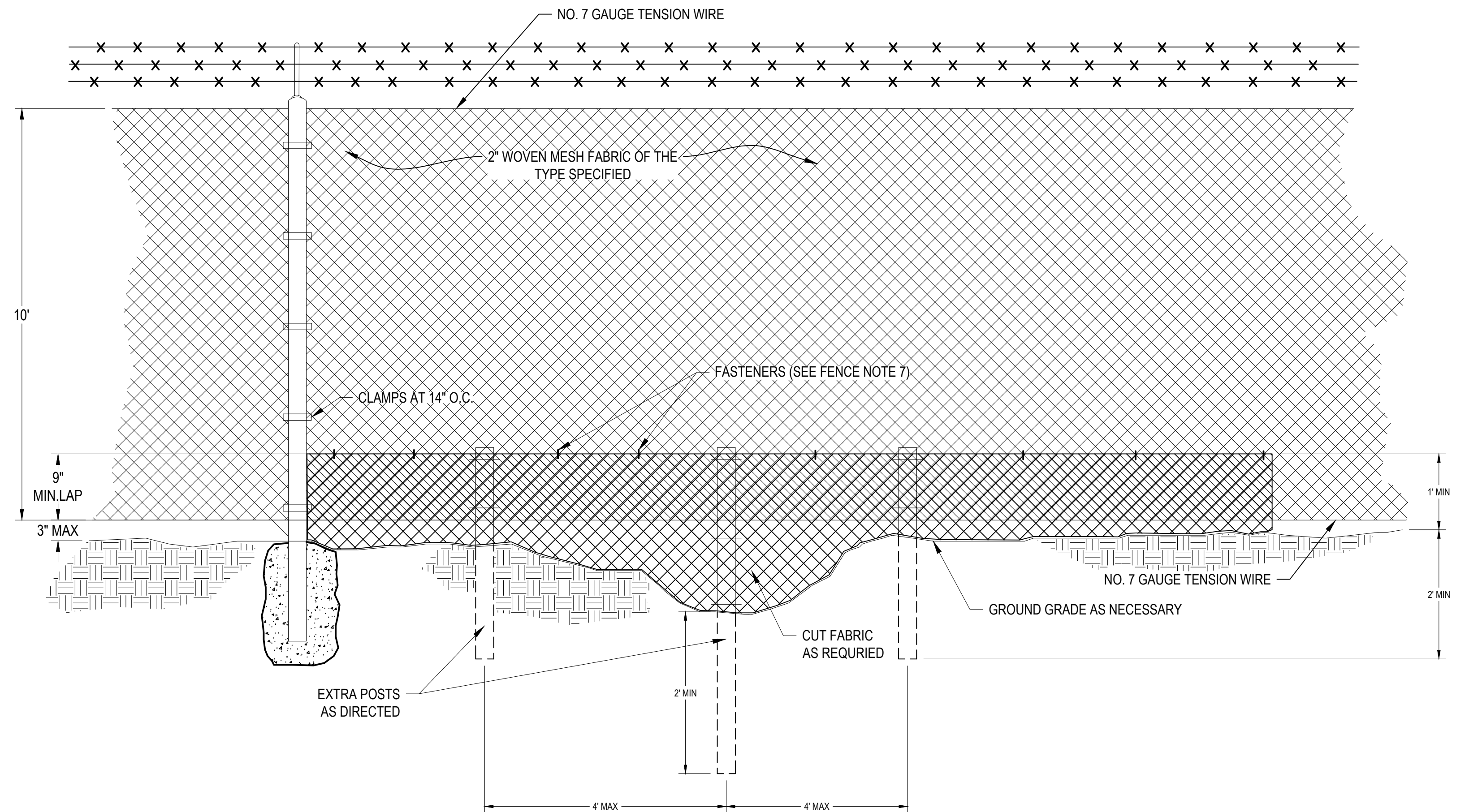


9 BARRIER FENCE

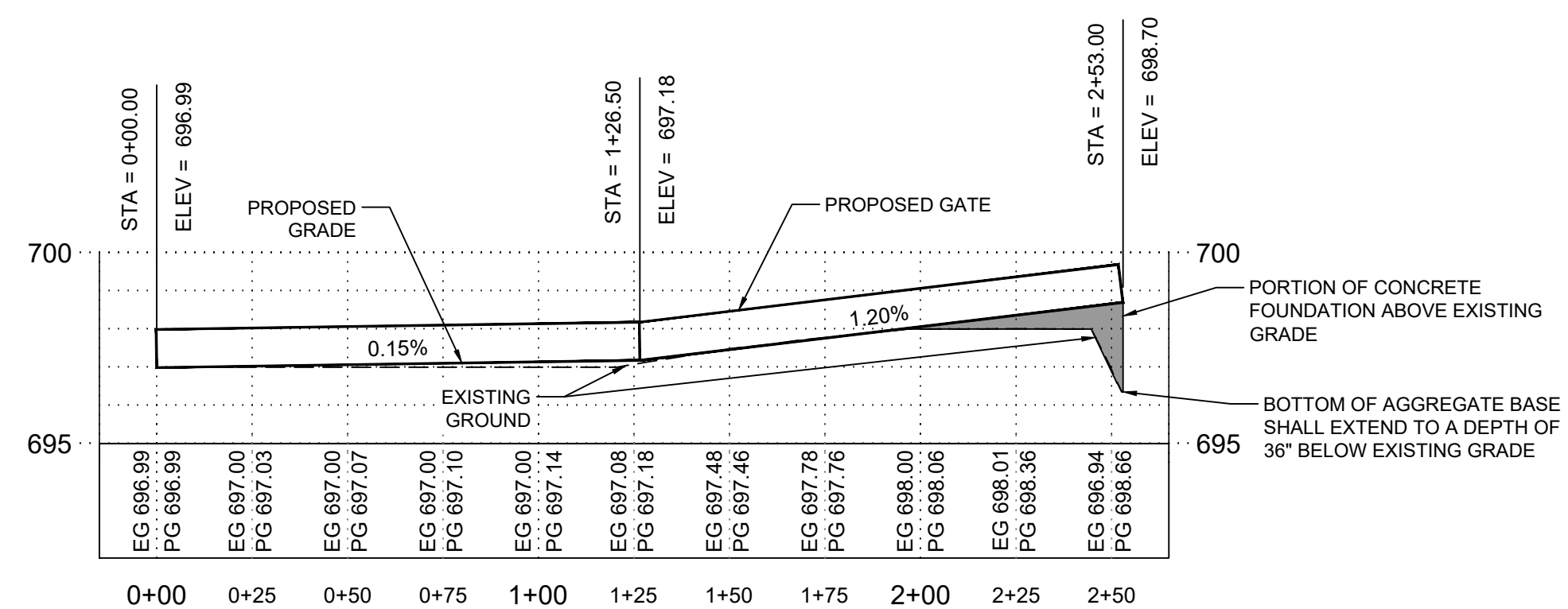
CF501 SCALE: NTS





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

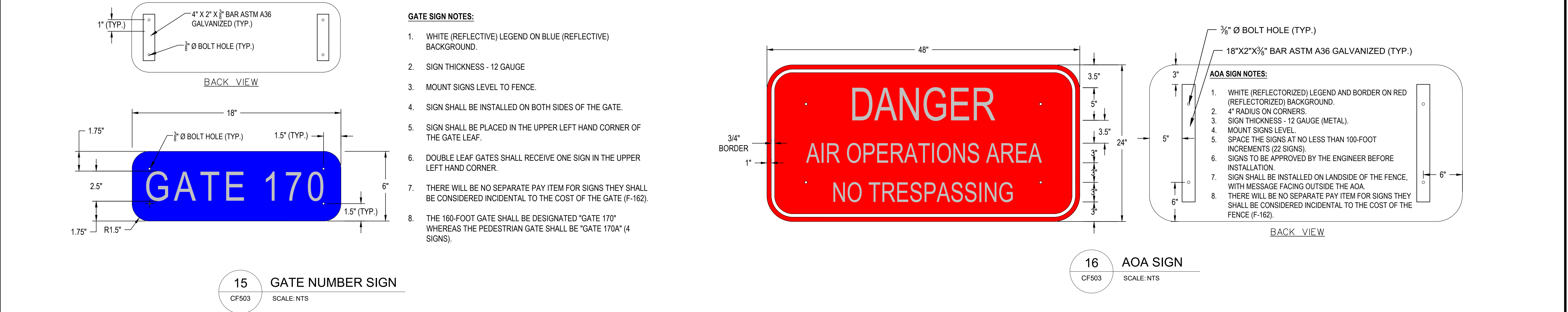
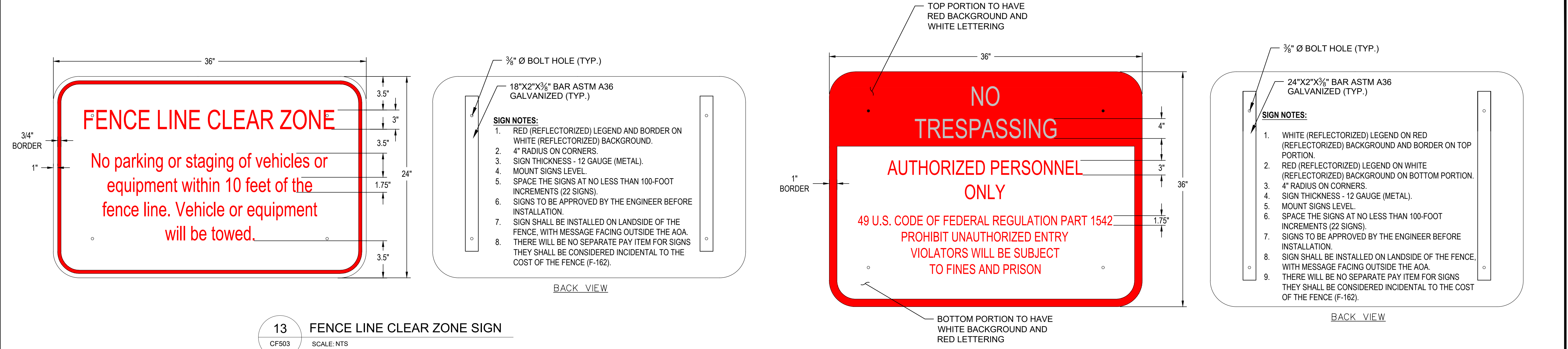


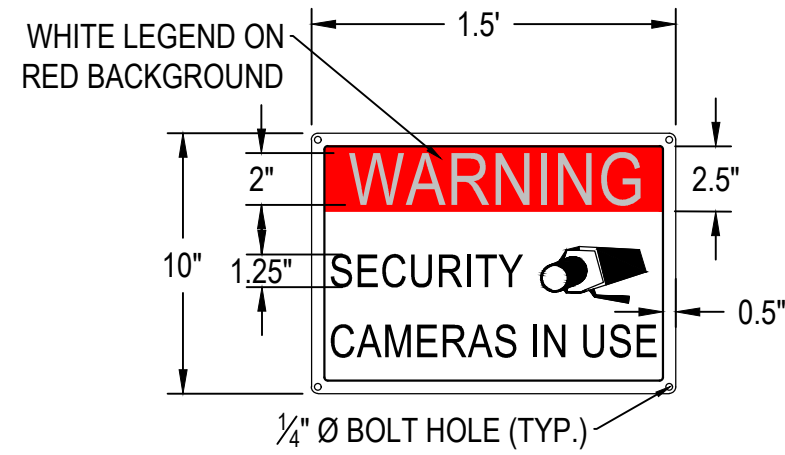
11 FENCE TREATMENT AT GROUND DEPRESSIONS >=1 FOOT
CF502 NOT TO SCALE



12 PROPOSED GATE PROFILE
CF502 NOT TO SCALE

CONSULTANT:  AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602		SEAL: 	PROFESSIONAL CERTIFICATION: "I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND" LICENSE NO. 32705 EXPIRATION DATE: 02/21/2026	DESIGNED: B.J.D. DRAWN: J.A.A. CHECKED: V.J.D. APPROVED: R.N.M.	REVISION NO. REVISION DATE DESCRIPTIONS	PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT	SHEET TITLE: FENCING DETAILS 3	SCALE: N.A.	DATE: APRIL 2025	FAA AIP No.: 3240019-071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040 SHEET NO.: CF502 23 OF 48
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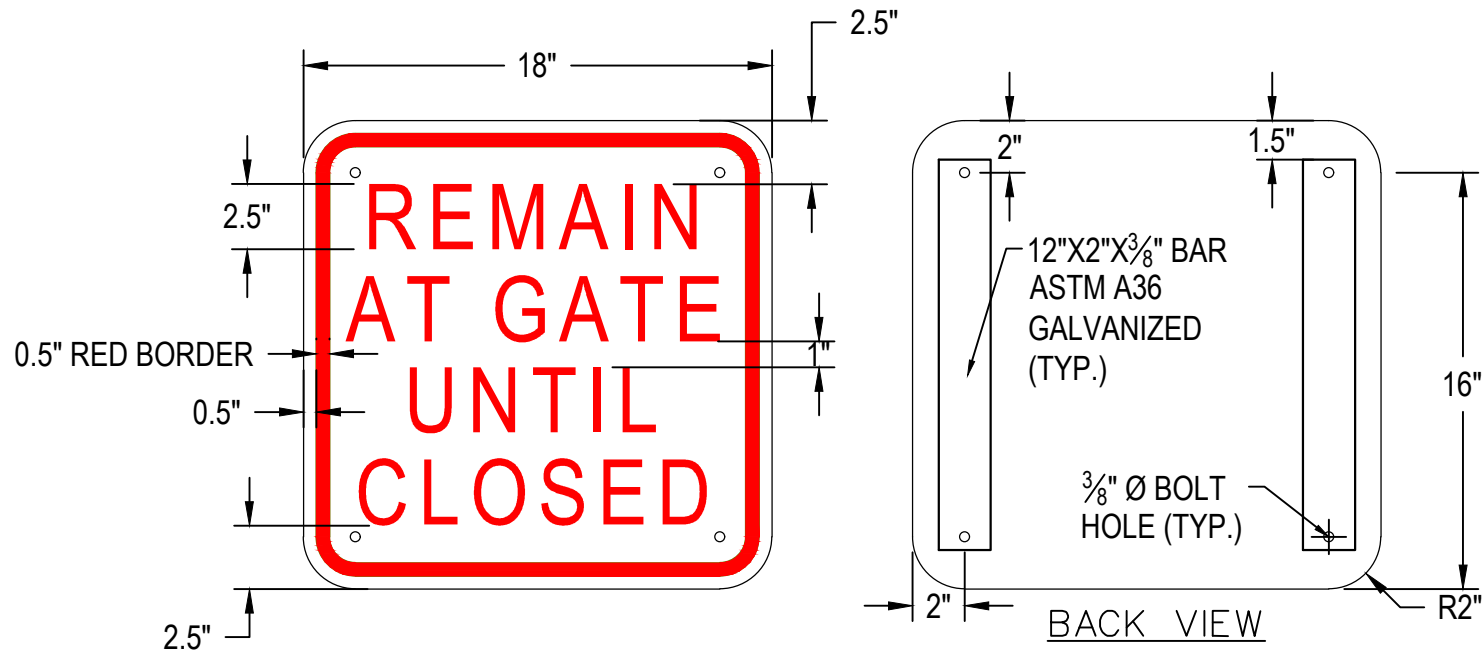


RESTRICTED AREA SIGN NOTES:

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).

17 SURVEILLANCE CAMERA SIGN

SCALE: NTS

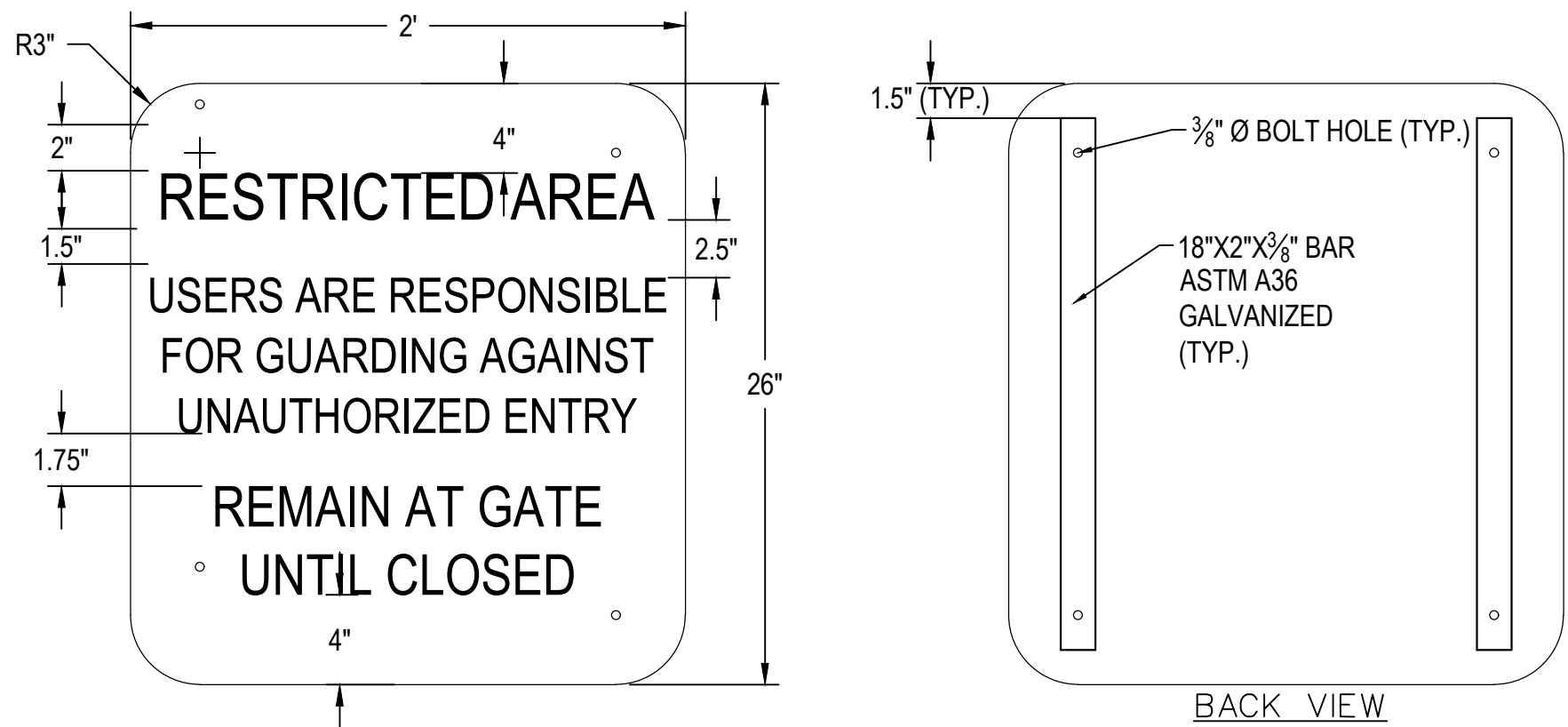


REMAIN AT GATE SIGN NOTES:

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).

18 REMAIN AT GATE SIGN

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).

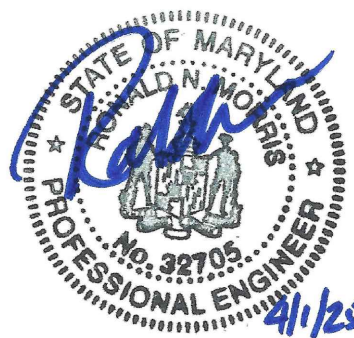
19 RESTRICTED AREA SIGN

SCALE: NTS

CONSULTANT:



SEAL:



PROFESSIONAL CERTIFICATION:

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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



HAGERSTOWN
REGIONAL AIRPORT
Washington County, MD

PROJECT TITLE:

ARFF BUILDING DEMOLITION;
AOA FENCE/ACCESS GATE REALIGNMENT

SHEET TITLE:

FENCING DETAILS 5

SCALE:

N.A.

DATE:

APRIL 2025

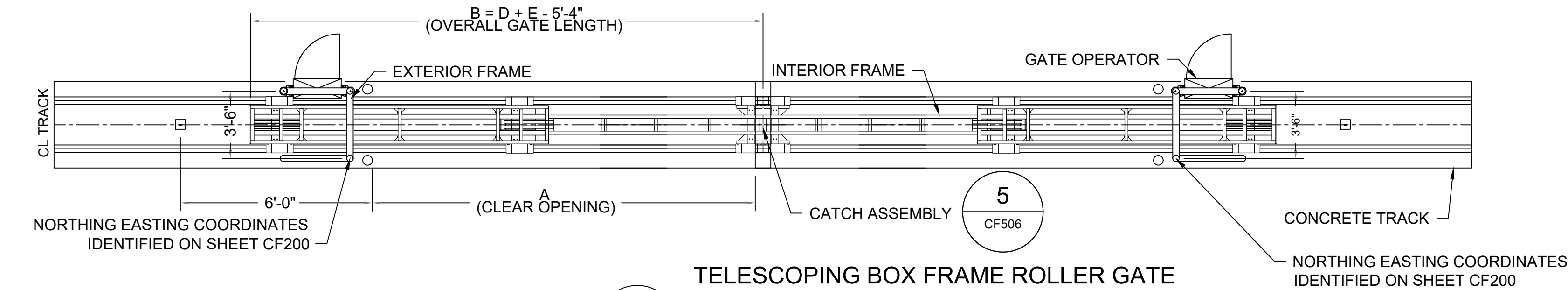
FAA AIP No.: 324-0019-071-2024
Bid No.: PUR-1744
Grading Permit No.: SGP-24-040

SHEET NO.:

CF504

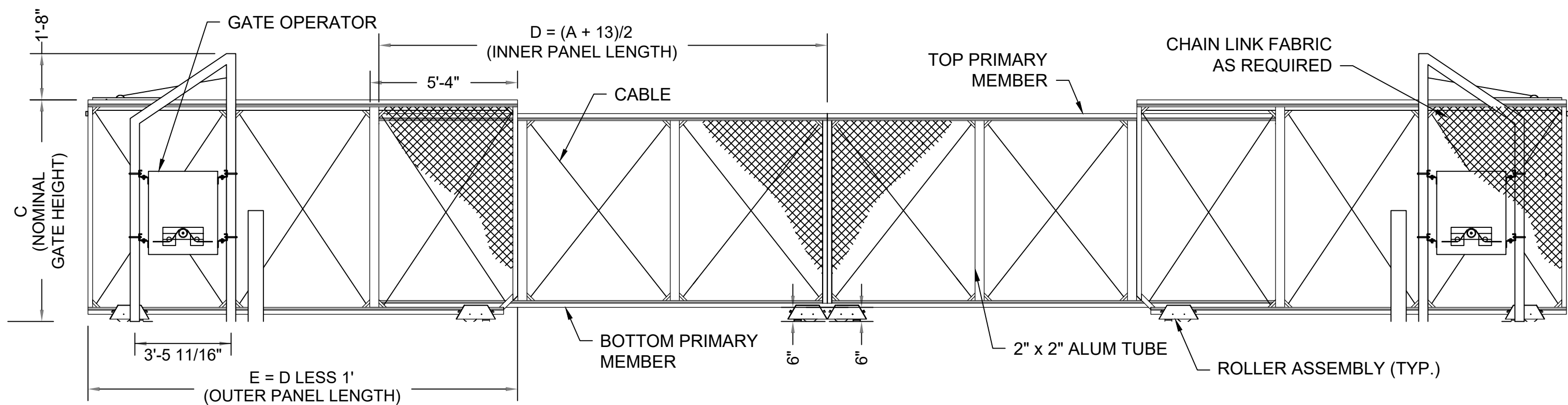
25 OF 48

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"



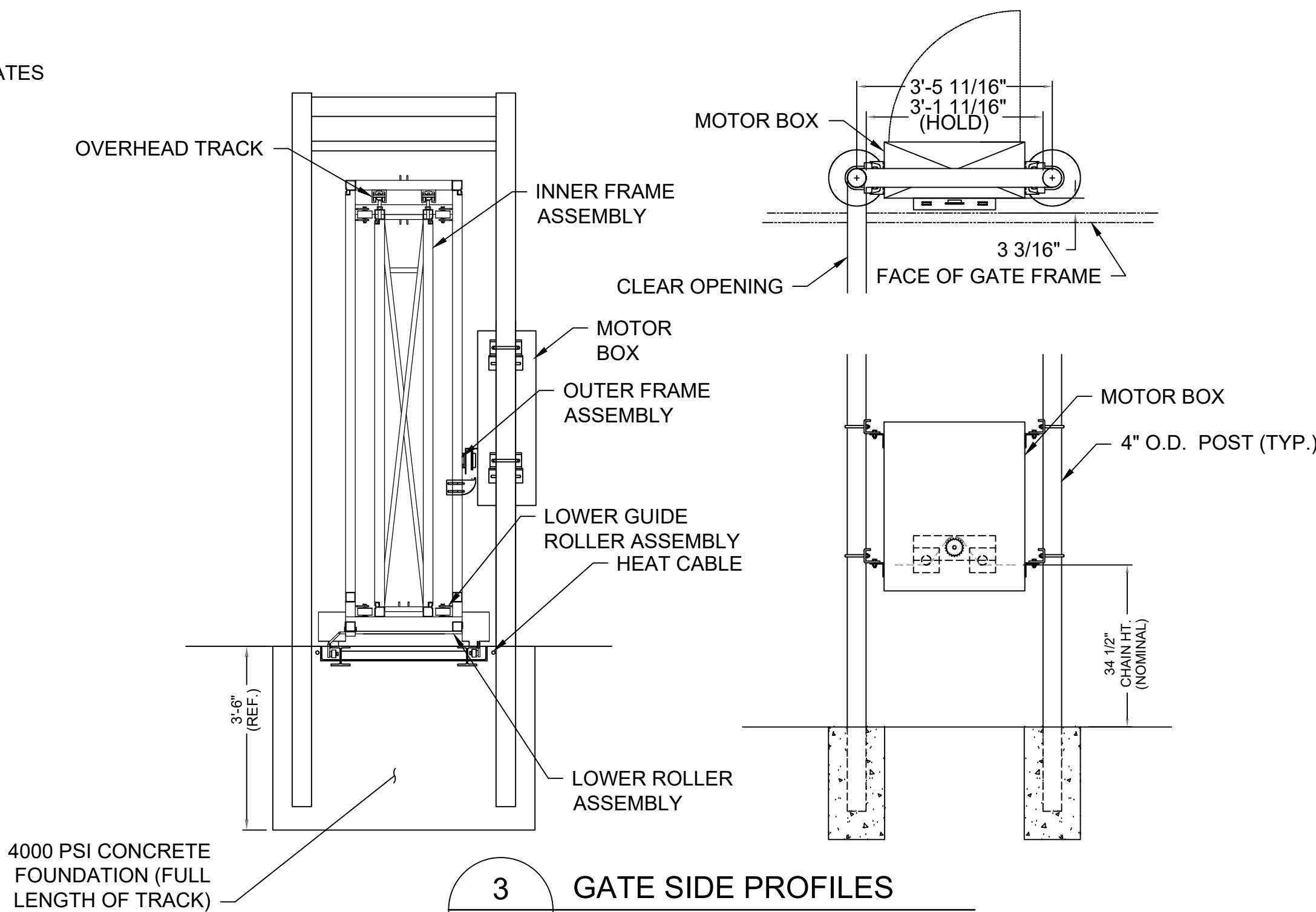
1
CF505
SCALE: NTS

TELESCOPING BOX FRAME ROLLER GATE
(PLAN VIEW - GATE CLOSED POSITION)





2
CF505
SCALE: NTS

TELESCOPING BOX FRAME ROLLER GATE
(ELEVATION - GATE CLOSED POSITION)

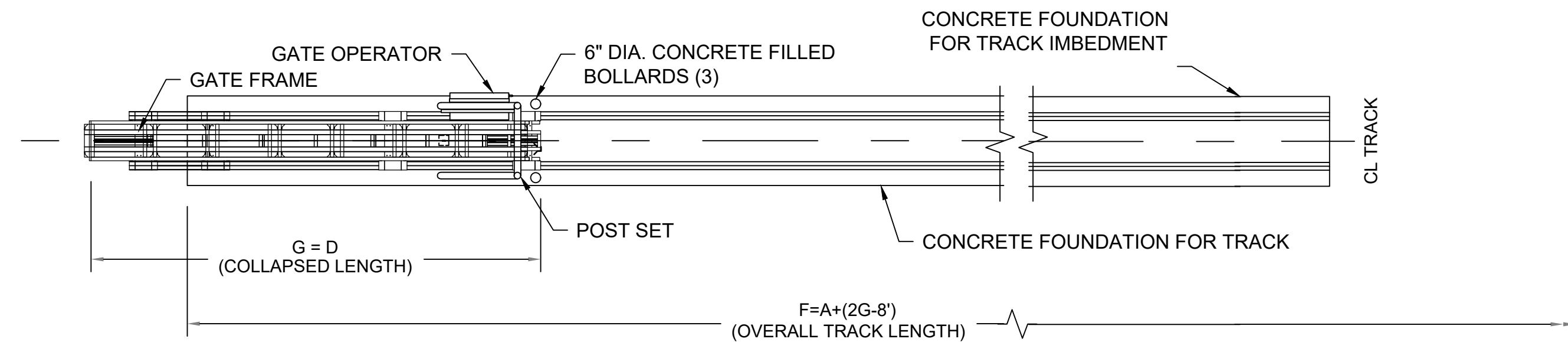


3
CF505
SCALE: NTS

GATE SIDE PROFILES

CONSULTANT:  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: B.J.D. DRAWN: J.A.A. CHECKED: V.J.D. APPROVED: R.N.M.	REVISION NO. REVISION DATE DESCRIPTIONS	BID DOCUMENTS	HAGERSTOWN REGIONAL AIRPORT Washington County, MD	PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT	SHEET TITLE: GATE DETAILS 1	SCALE: N.A. DATE: APRIL 2025	FAA AIP No.: 324-0019-071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040 SHEET NO.: CF505 26 OF 48
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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"

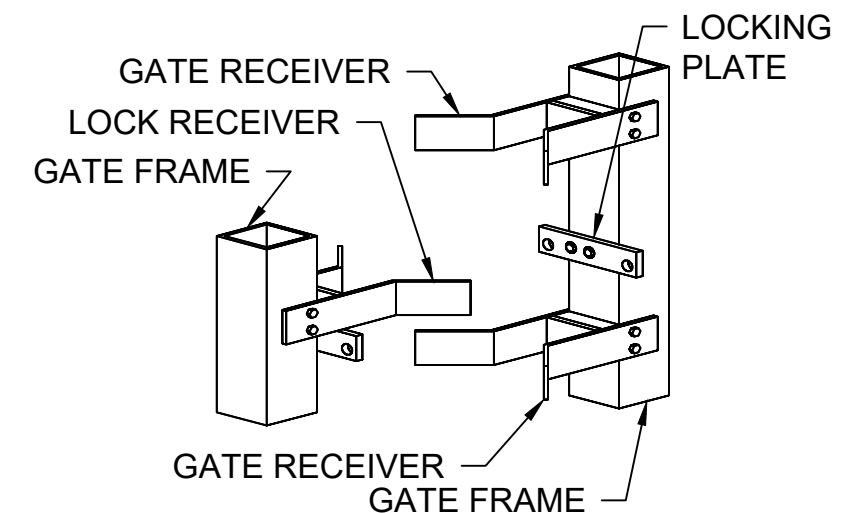


3

CF506

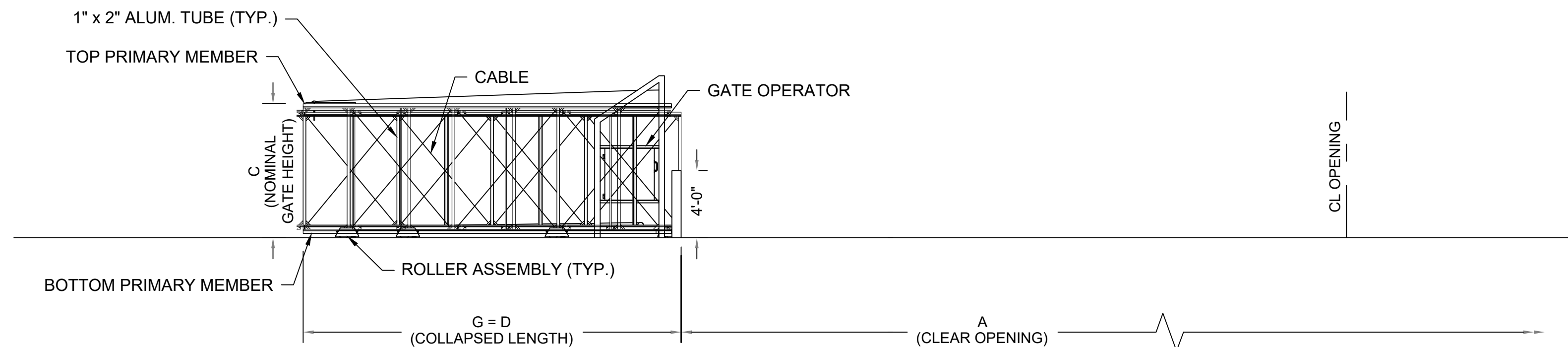
TELESCOPING BOX FRAME ROLLER GATE (PLAN VIEW - GATE OPEN POSITION)

SCALE: NTS



5 CATCH ASSEMBLY DETAIL

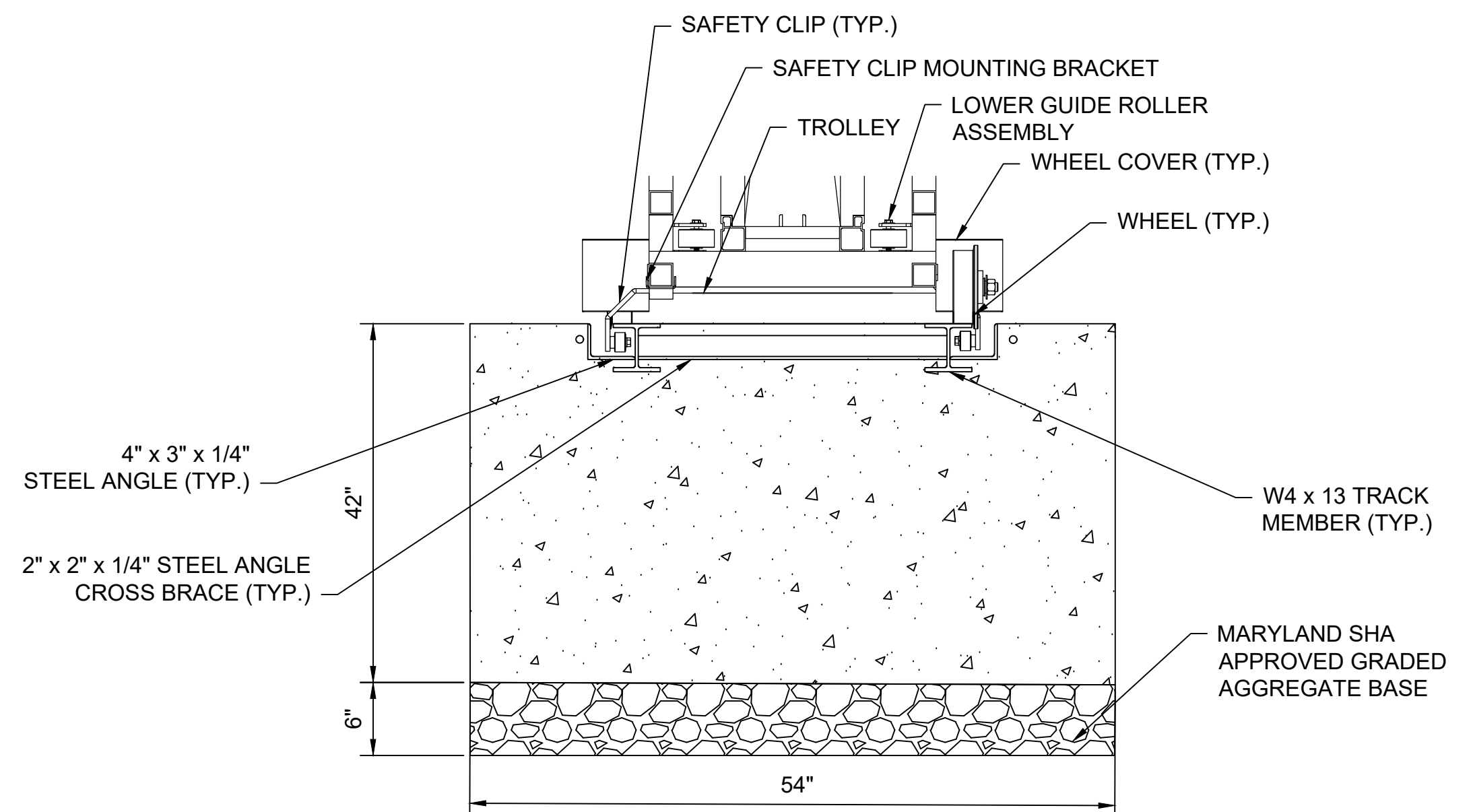
CF506 SCALE: NTS



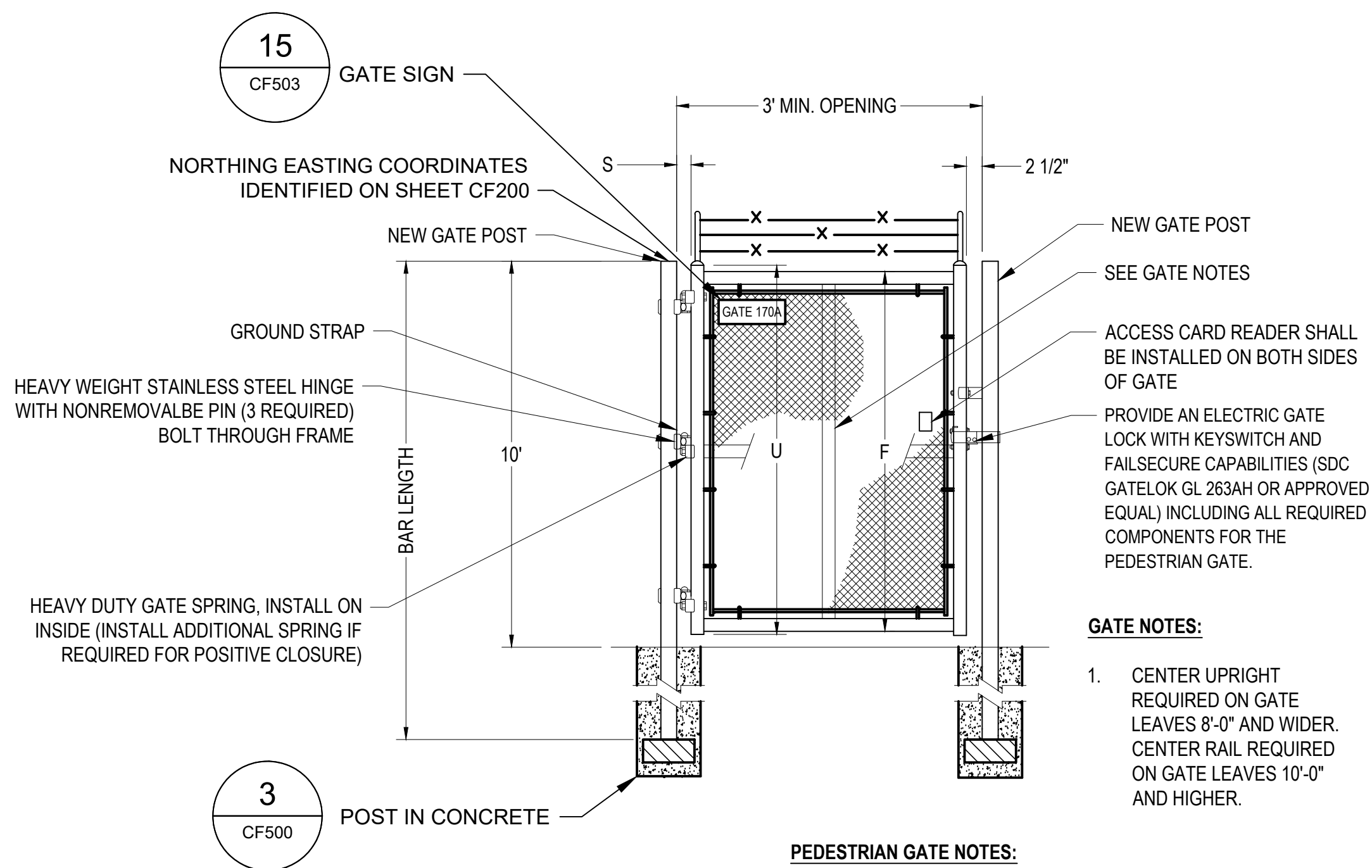
TELESCOPING BOX FRAME ROLLER GATE
(PLAN VIEW - GATE CLOSED POSITION)

4
CF506

SCALE: NTS



6 TRACK IMBEDMENT SECTION



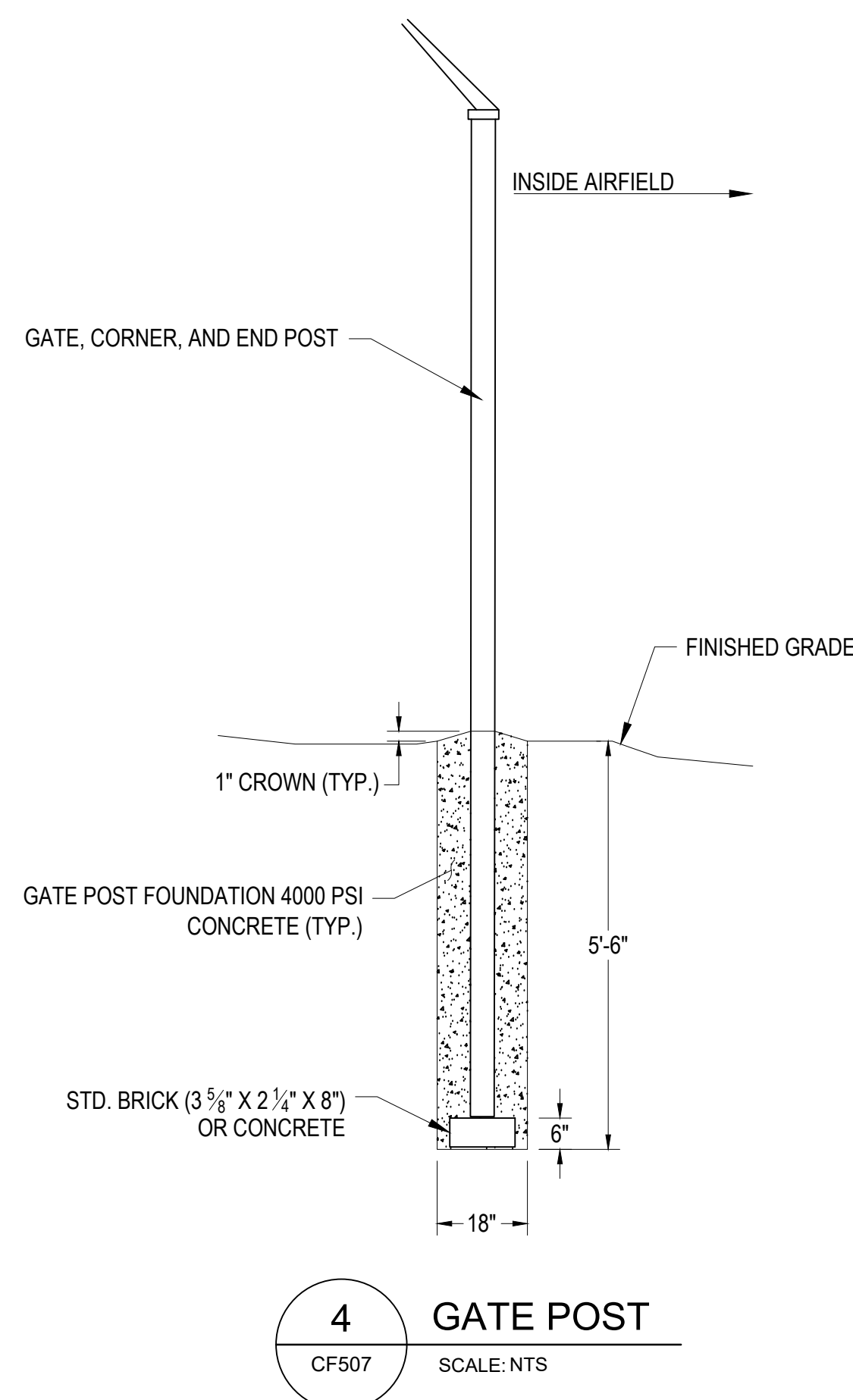
SINGLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
3'-0" through 6'-0"	2 1/2" SQ or 2.875" OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4"

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"

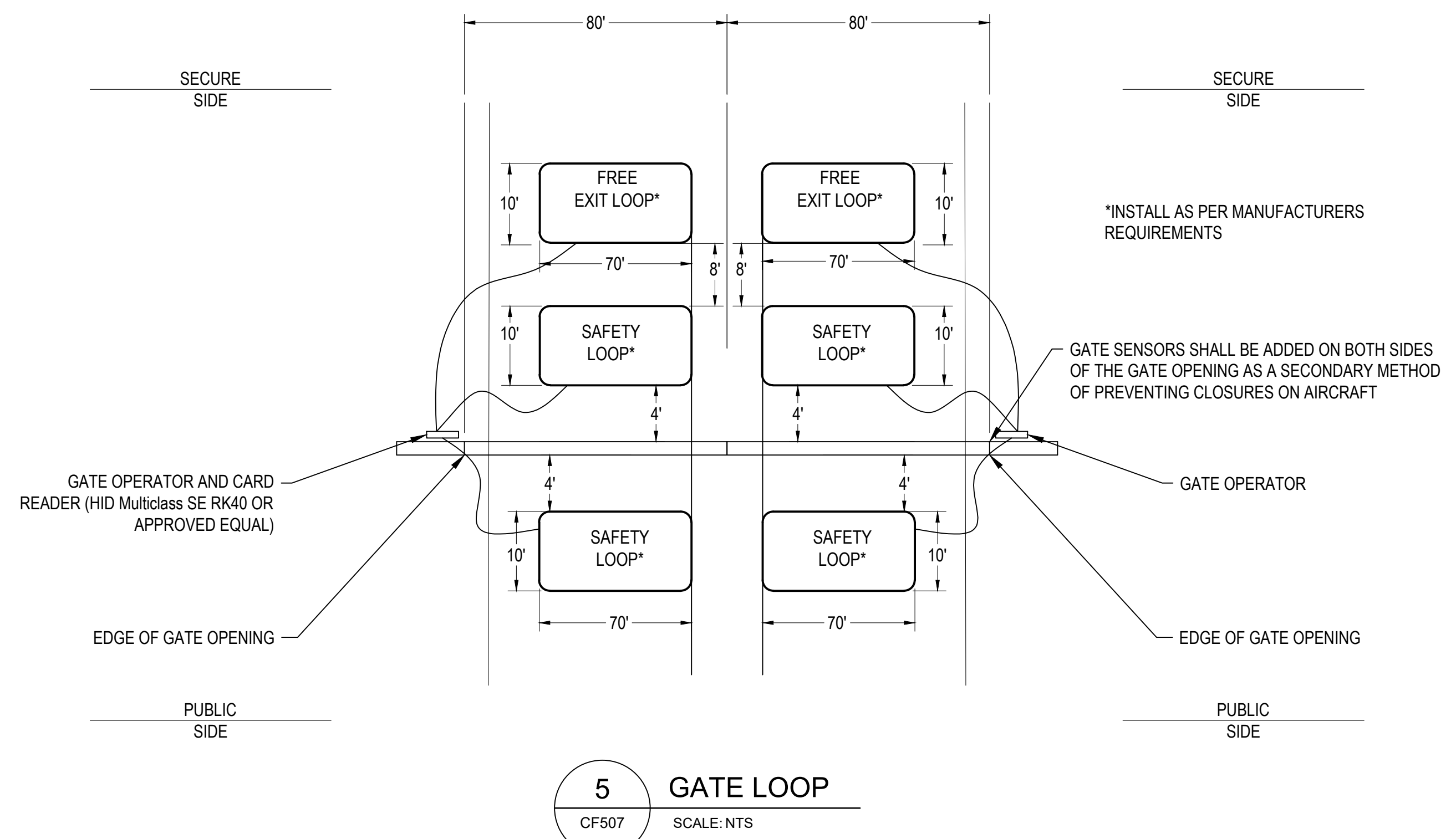
- GATE NOTES:**
1. CENTER UPRIGHT
REQUIRED ON GATE
LEAVES 8'-0" AND WIDER.
CENTER RAIL REQUIRED
ON GATE LEAVES 10'-0"
AND HIGHER.

PEDESTRIAN GATE NOTES:

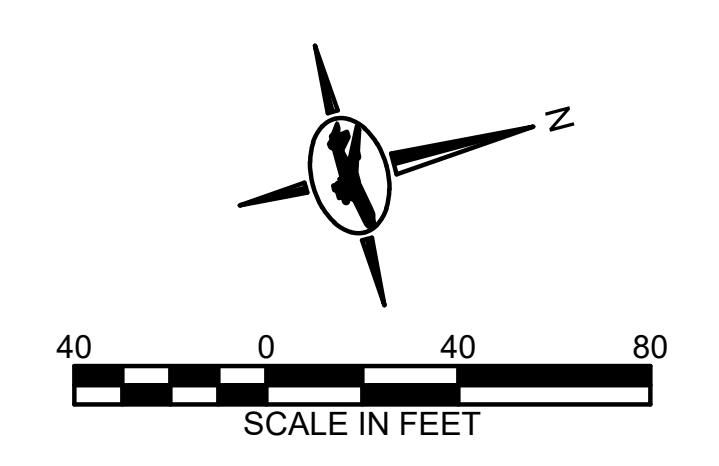
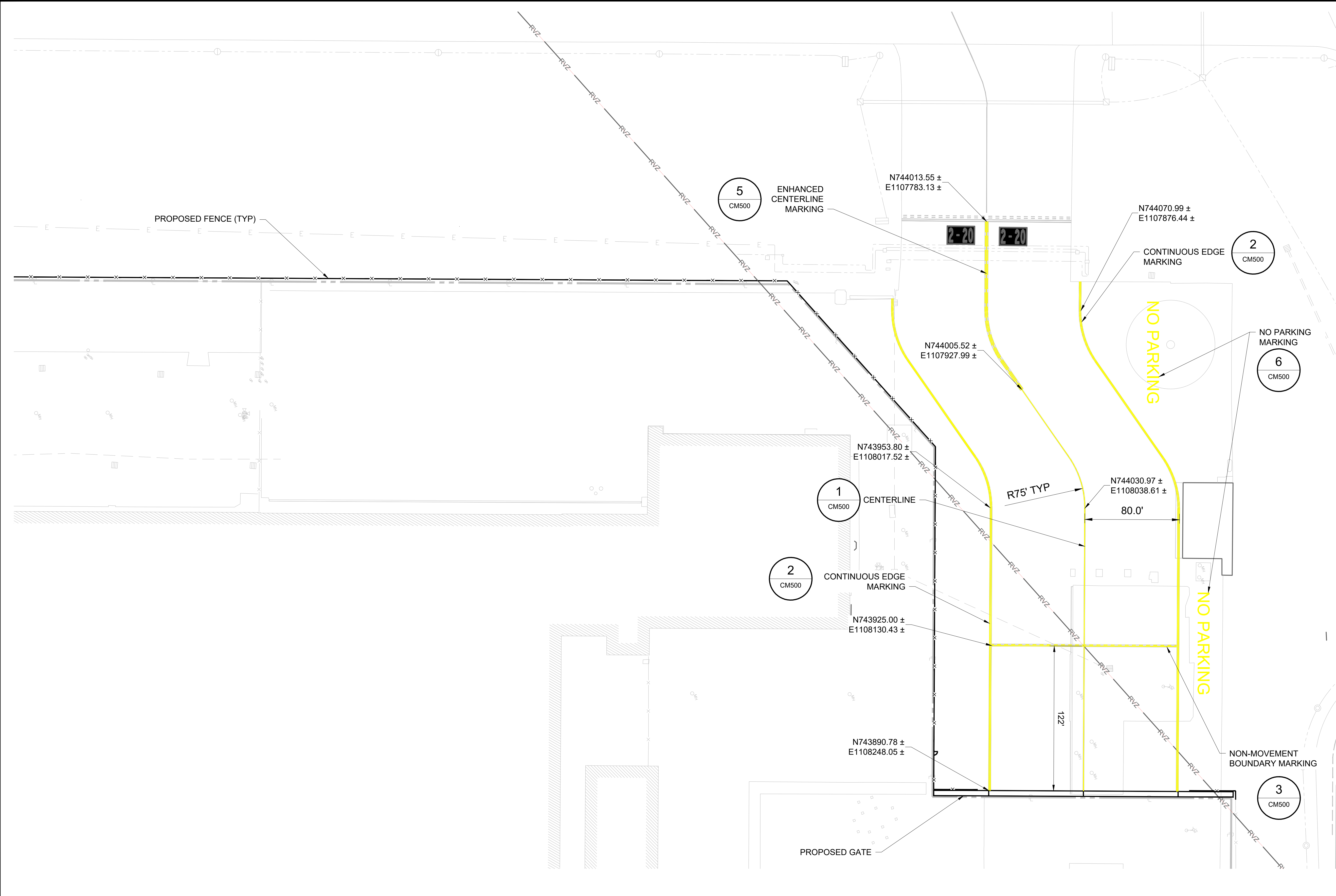
1. PEDESTRIAN GATES SHALL BE EQUIPPED WITH A TRANSOM AND A HYDRAULIC DOOR CLOSER.



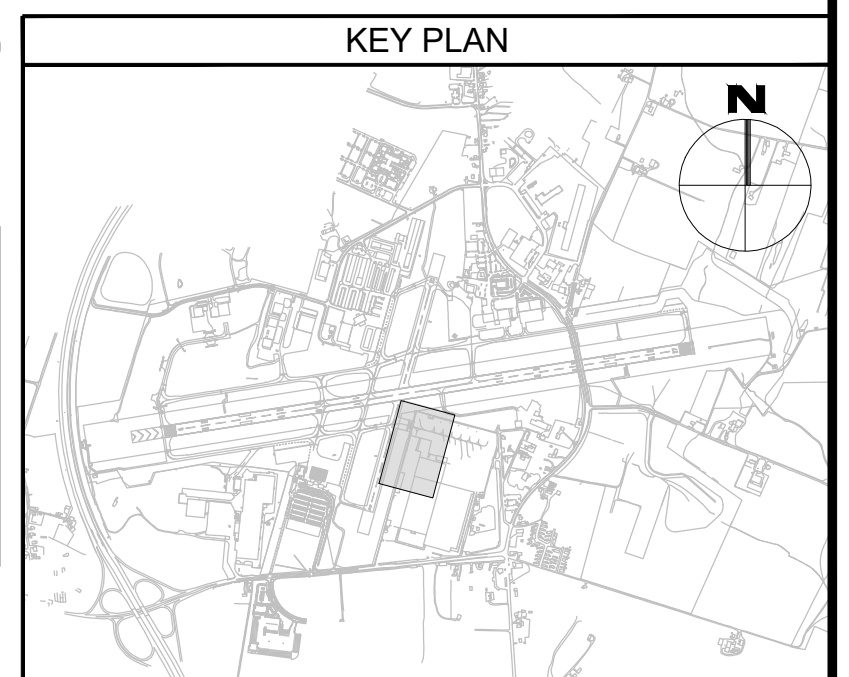
3 PEDESTRIAN GATE
CF507 SCALE: NTS



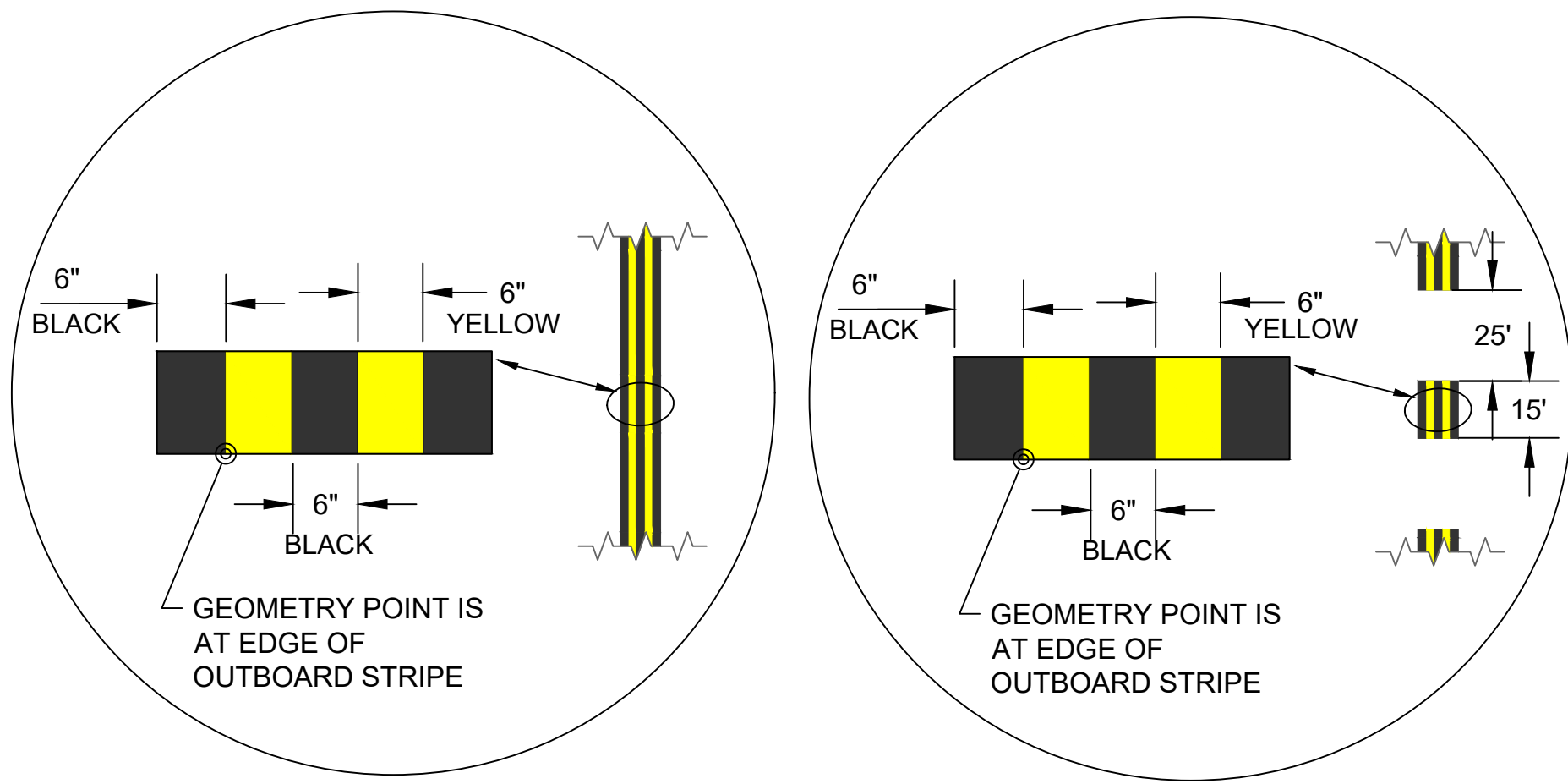
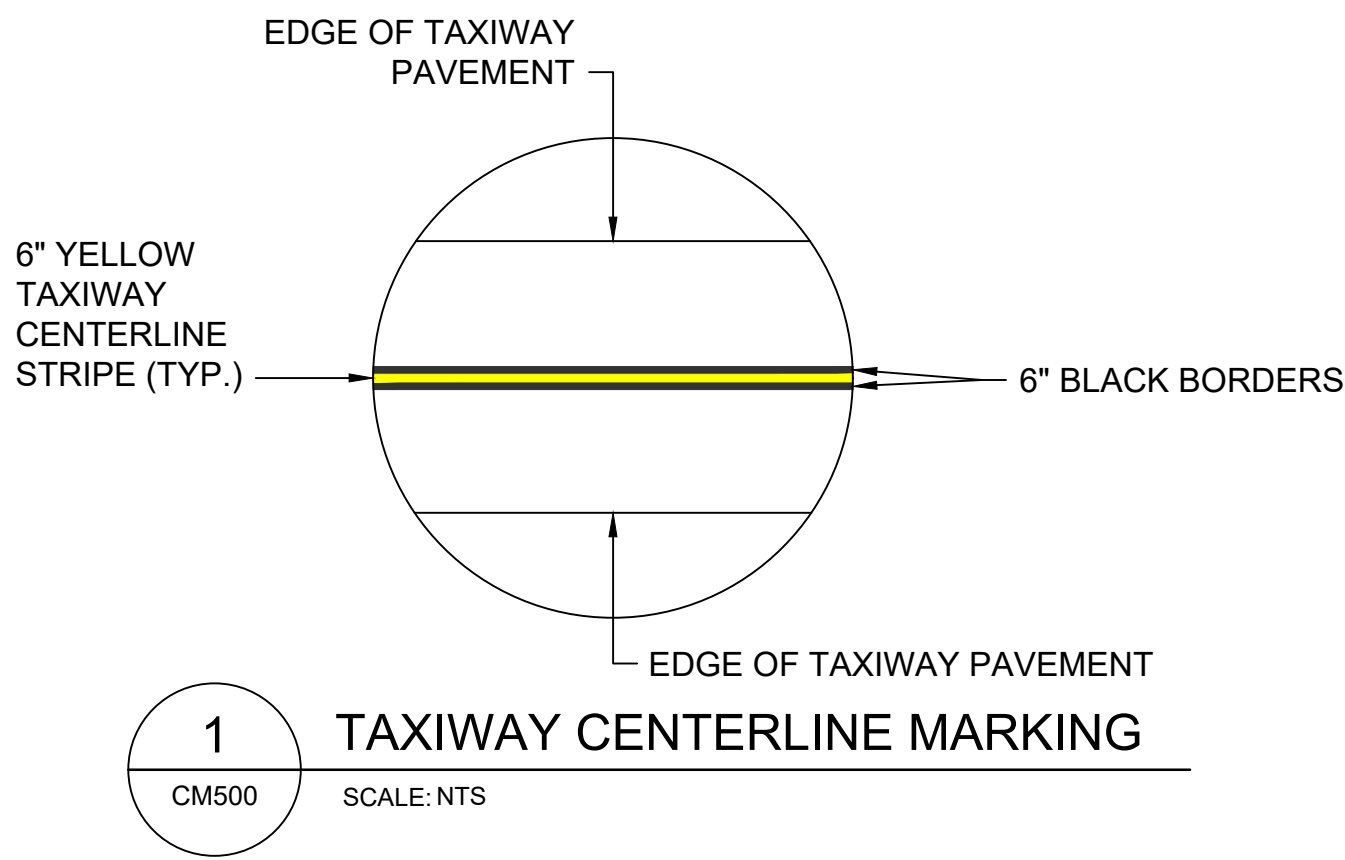
5 GATE LOOP
CF507 SCALE: NTS



- 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.
- LEGEND:**
- PROPOSED MARKING
 - 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

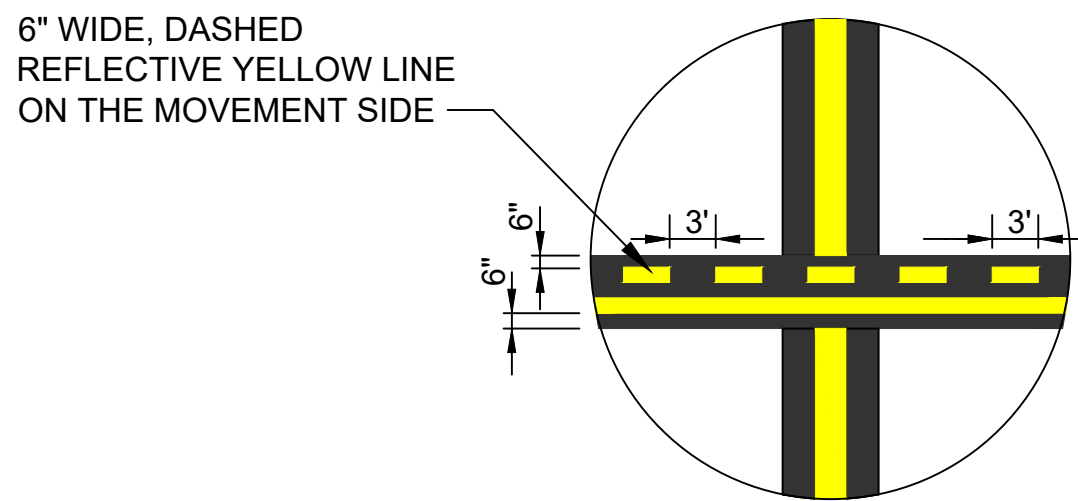


CONSULTANT: AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602	SEAL: 	PROFESSIONAL CERTIFICATION: "I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND" LICENSE NO. 32705 EXPIRATION DATE: 02/21/2026	DESIGNED: B.J.D.	REVISION NO. NO.	REVISION DATE DATE	DESCRIPTIONS <div style="text-align: center; font-size: 2em; opacity: 0.5;">BID DOCUMENTS</div>	 HAGERSTOWN REGIONAL AIRPORT Washington County, MD	PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT		FAA AIP No.: 3240019-071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040
			DRAWN: J.A.A.					SHEET TITLE: MARKING PLAN		
			CHECKED: V.J.D.					SCALE: AS SHOWN	DATE: APRIL 2025	29 OF 48
			APPROVED: R.N.M.							

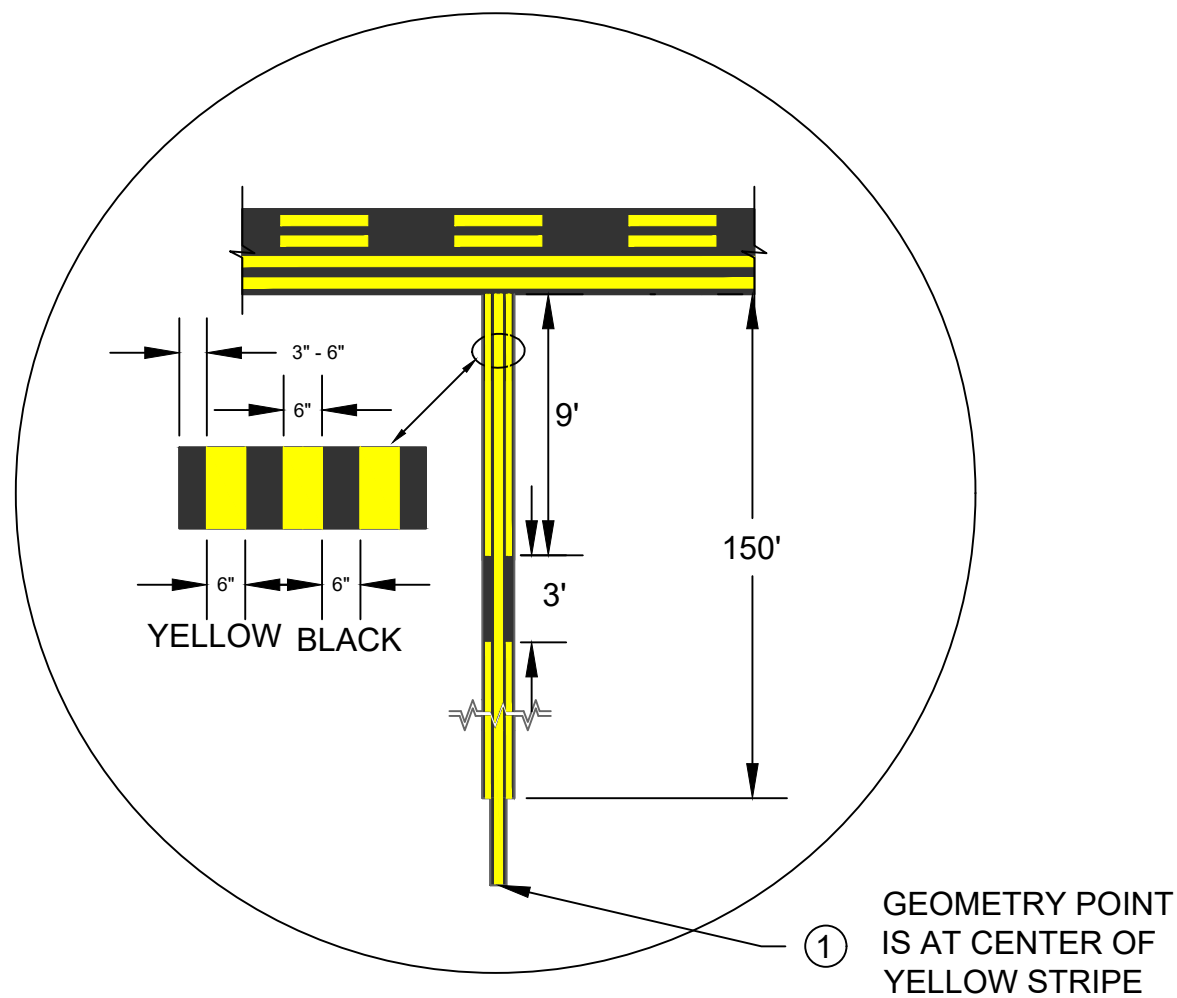


- CONTINUOUS**
- DASHED**
- NOTES:**
- ALL TAXILANE/TAXIWAY EDGE STRIPING IS 6 INCHES WIDE AND SPACED 6 INCHES APART (EDGE TO EDGE).
 - ALL TAXIWAY AND TAXILANE EDGE MARKINGS ARE YELLOW WITH CLASS III GLASS BEADS, AS SPECIFIED.
 - DASHED EDGE MARKINGS ARE NOT TO BE USED TO DESIGNATE ISLANDS.
 - ALL TAXILANE/TAXIWAY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

2 TAXIWAY EDGE MARKING
CM500 SCALE: NTS

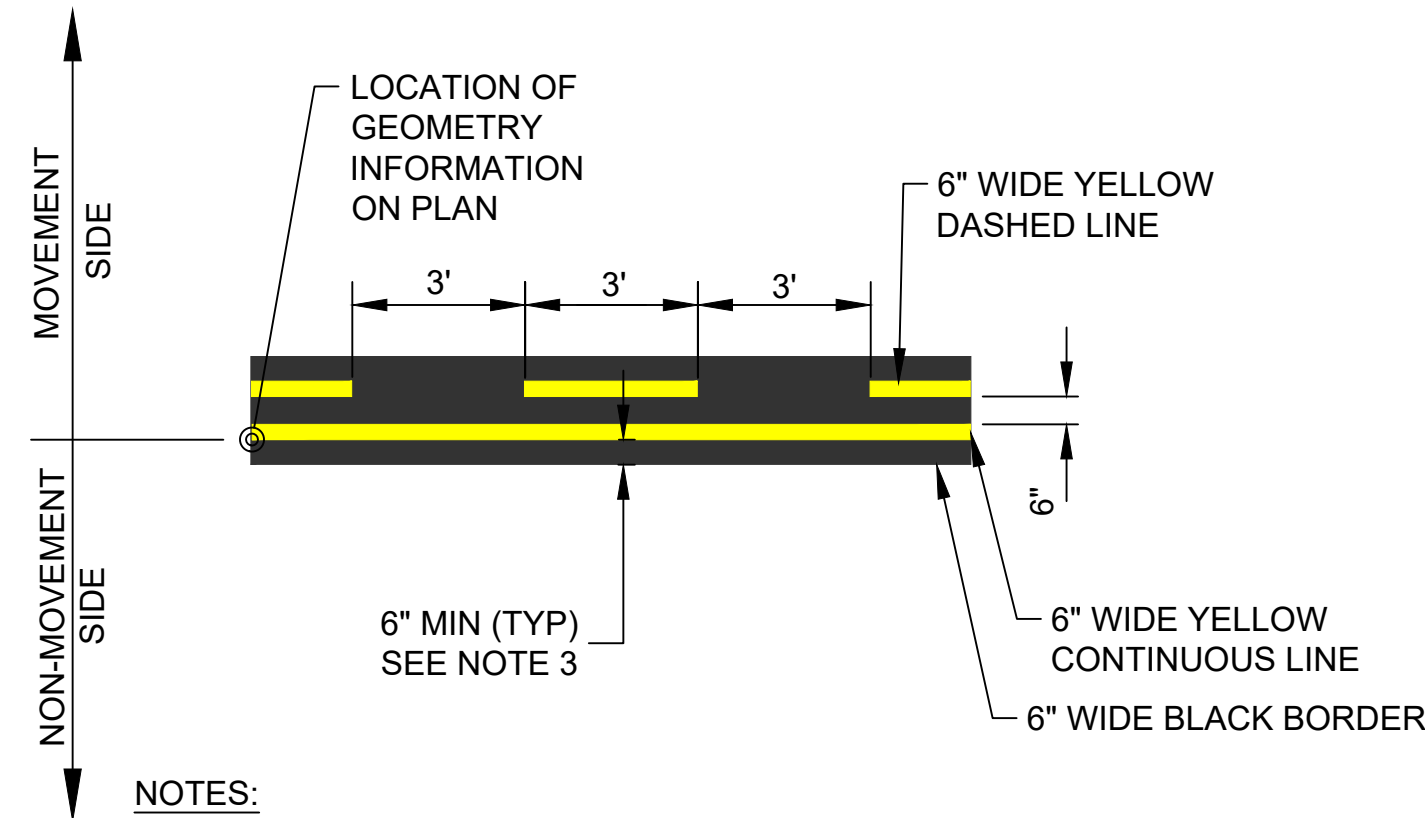


4 NON-MOVEMENT LINE CROSSING MARKING
CM500 SCALE: NTS



- NOTES:**
- THE DISTANCE BETWEEN THE EDGE OF THE YELLOW HOLD LINE AND THE END OF THE YELLOW TAXIWAY CENTERLINE IS 6".
 - THE 9' IS MEASURED ALONG CENTERLINE WITH THE INNER CHORD BEING SLIGHTLY SHORTER AND THE OUTER CHORD BEING SLIGHTLY LONGER.
 - THE NUMBER OF DASHES SHALL ALWAYS BE EQUAL.
 - 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.
 - THE 150' DISTANCE IS MEASURED ALONG THE ENHANCED CENTERLINE.

5 ENHANCED TAXIWAY CENTERLINE MARKING
CM500 SCALE: NTS



- NOTES:**
- ALL YELLOW MARKINGS SHALL HAVE REFLECTIVE MEDIA AS SPECIFIED.
 - ALL MARKINGS WILL HAVE BLACK BORDER 6 INCHES WIDE.
 - 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.
 - MARKING SHALL BE WATERBORNE.

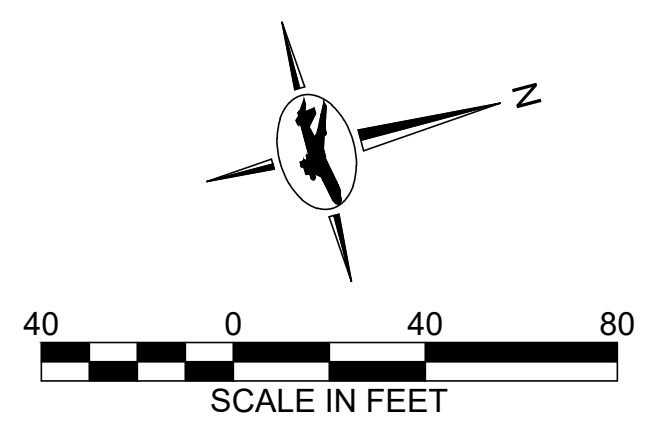
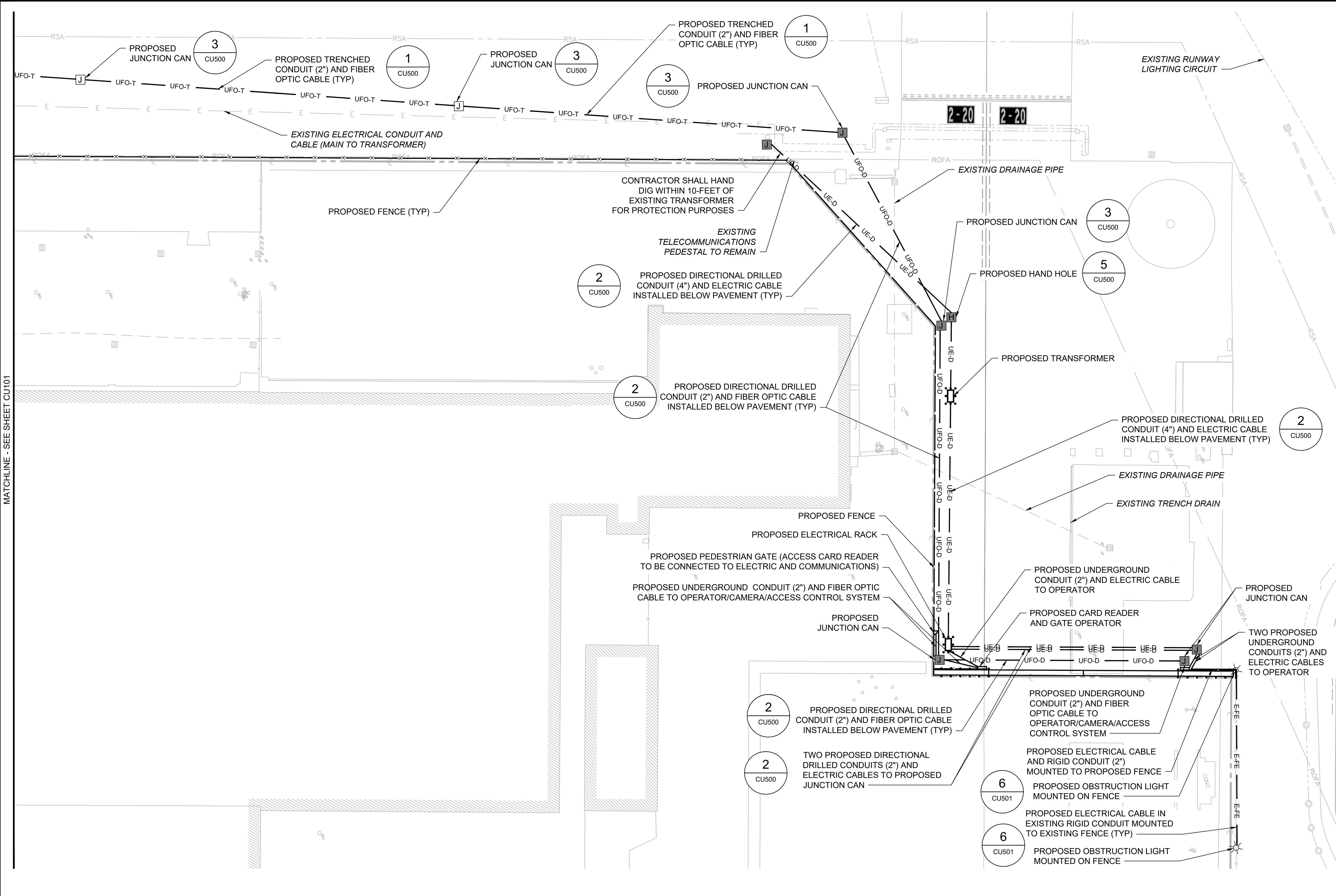
3 NON-MOVEMENT AREA BOUNDARY MARKING
CM500 SCALE: NTS

10' MIN. **NO PARKING**

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

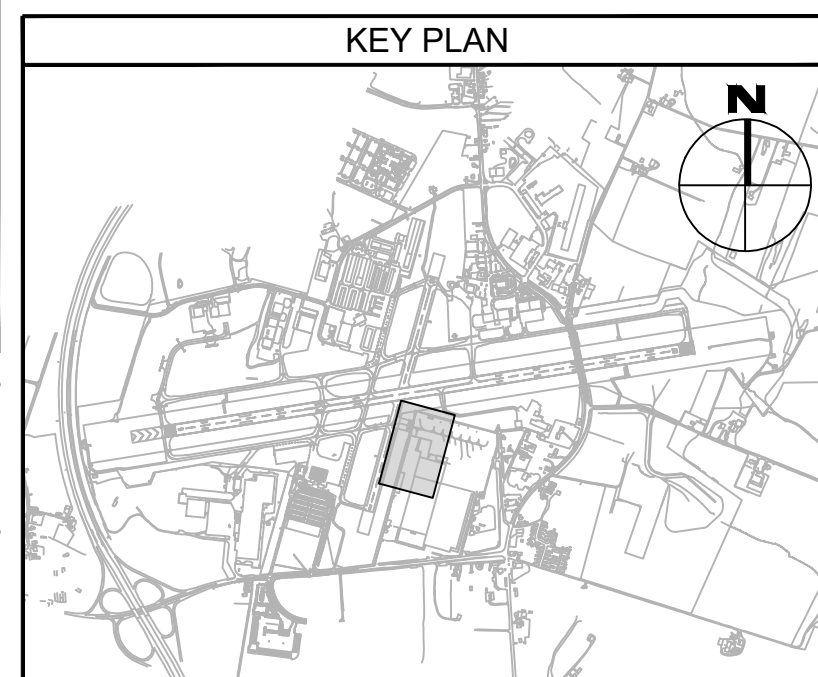
6 NO PARKING MARKING
CM500 SCALE: NTS

MATCHLINE - SEE SHEET CU101



- NOTES:**
- ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
 - 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 FAILSECURE CAPABILITIES (SDC GATELOK GL 263AH OR APPROVED EQUAL) INCLUDING ALL REQUIRED COMPONENTS FOR THE PEDESTRIAN GATE.
 - INSTALL NPT THREADED JUNCTION BOXES ALONG PROPOSED RIGID CONDUIT AT REQUIRED FENCE LOCATIONS TO COMPLETE CONNECTIONS FOR ANY POWER AND CONTROL CABLES.

- 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
 - FO-FN — PROPOSED ABOVEGROUND FIBER OPTIC CABLE/CONDUIT MOUNTED ON PROPOSED FENCE
 - E-FE — PROPOSED ABOVEGROUND ELECTRIC CABLE IN EXISTING CONDUIT MOUNTED TO FENCE
 - PROPOSED OBSTRUCTION LIGHT
 - 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 ELECTRICAL DUCTBANK
 - RSA — RUNWAY SAFETY AREA
 - ROFA — RUNWAY OBJECT FREE AREA



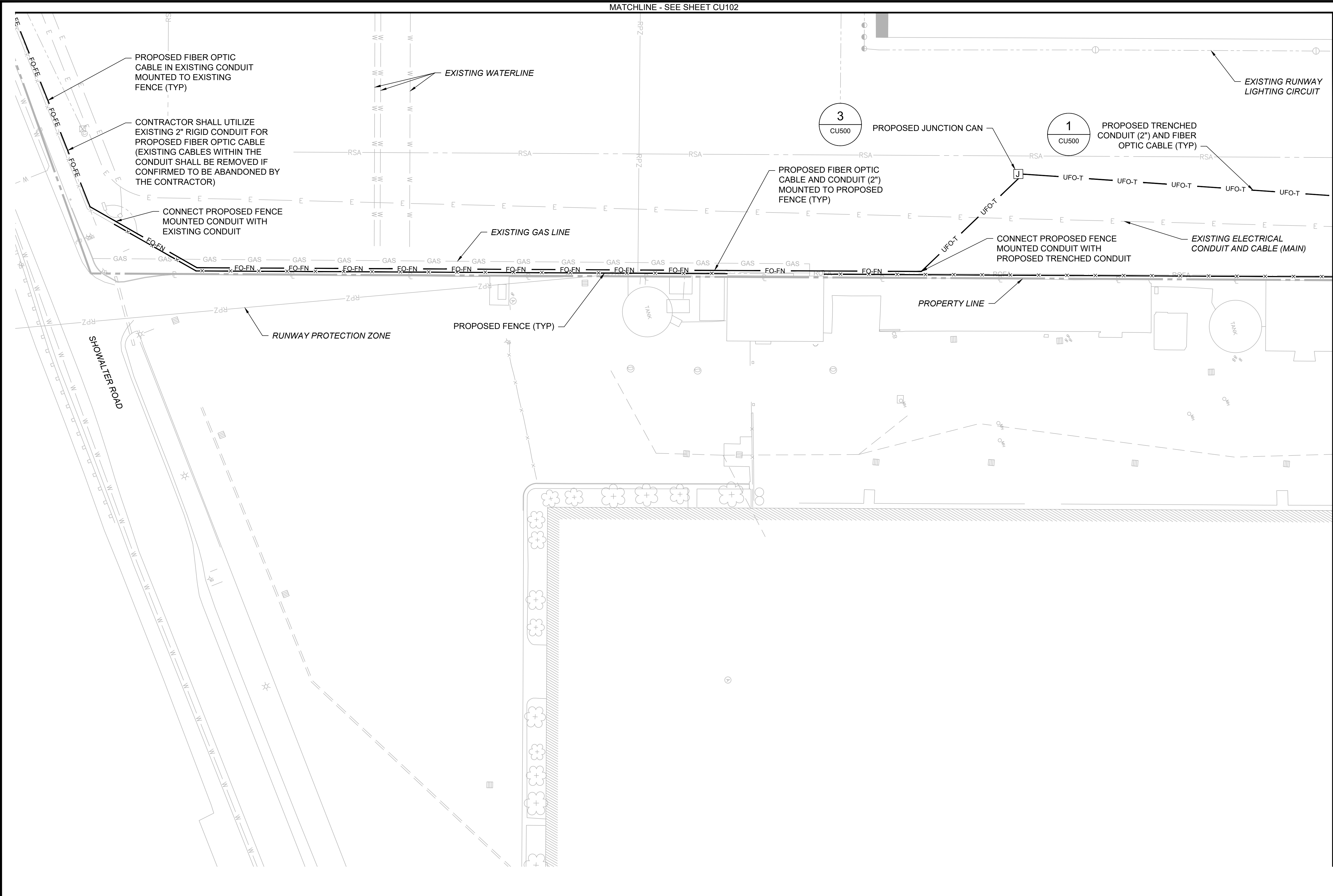
CONSULTANT: AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602	SEAL: 	PROFESSIONAL CERTIFICATION: "I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND" LICENSE NO. 32705 EXPIRATION DATE: 02/21/2026	DESIGNED: B.J.D.	REVISION NO.	REVISION DATE	DESCRIPTIONS
			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 1 - BASE BID	
SCALE: AS SHOWN	DATE: APRIL 2025

FAA AIP No.: 3240019-071-2024
Bid No.: PUR-1744
Grading Permit No.: SGP-24-040

SHEET NO.:
CU100
31 OF 48



40 0 40 80
SCALE IN FEET

NOTES:

- ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
- SEE SHEET GC101 FOR SURVEY CONTROL AND BASELINE PLAN.
- SEE APPENDIX E 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.
- INSTALL NPT THREADED JUNCTION BOXES ALONG PROPOSED RIGID CONDUIT AT REQUIRED FENCE LOCATIONS TO COMPLETE CONNECTIONS FOR ANY POWER AND CONTROL CABLES.

LEGEND:

- UFO-D — PROPOSED DIRECTIONAL DRILLED UNDERGROUND FIBER OPTIC CABLE/CONDUIT
- UFO-T — PROPOSED TRENCHED UNDERGROUND FIBER OPTIC CABLE/CONDUIT
- FO-FN — PROPOSED ABOVEGROUND FIBER OPTIC CABLE/CONDUIT MOUNTED ON PROPOSED FENCE
- FO-FE — PROPOSED ABOVEGROUND FIBER OPTIC CABLE IN EXISTING CONDUIT MOUNTED TO FENCE
- 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
- EXISTING ELECTRICAL DUCTBANK
- RSA — RUNWAY SAFETY AREA
- ROFA — RUNWAY OBJECT FREE AREA
- TSA — TAXIWAY SAFETY AREA
- TOFA — TAXIWAY OBJECT FREE AREA

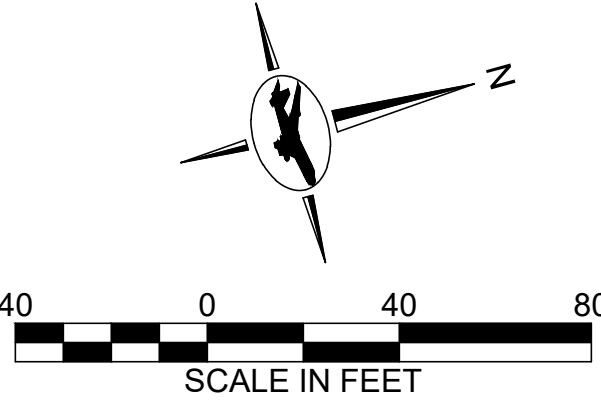
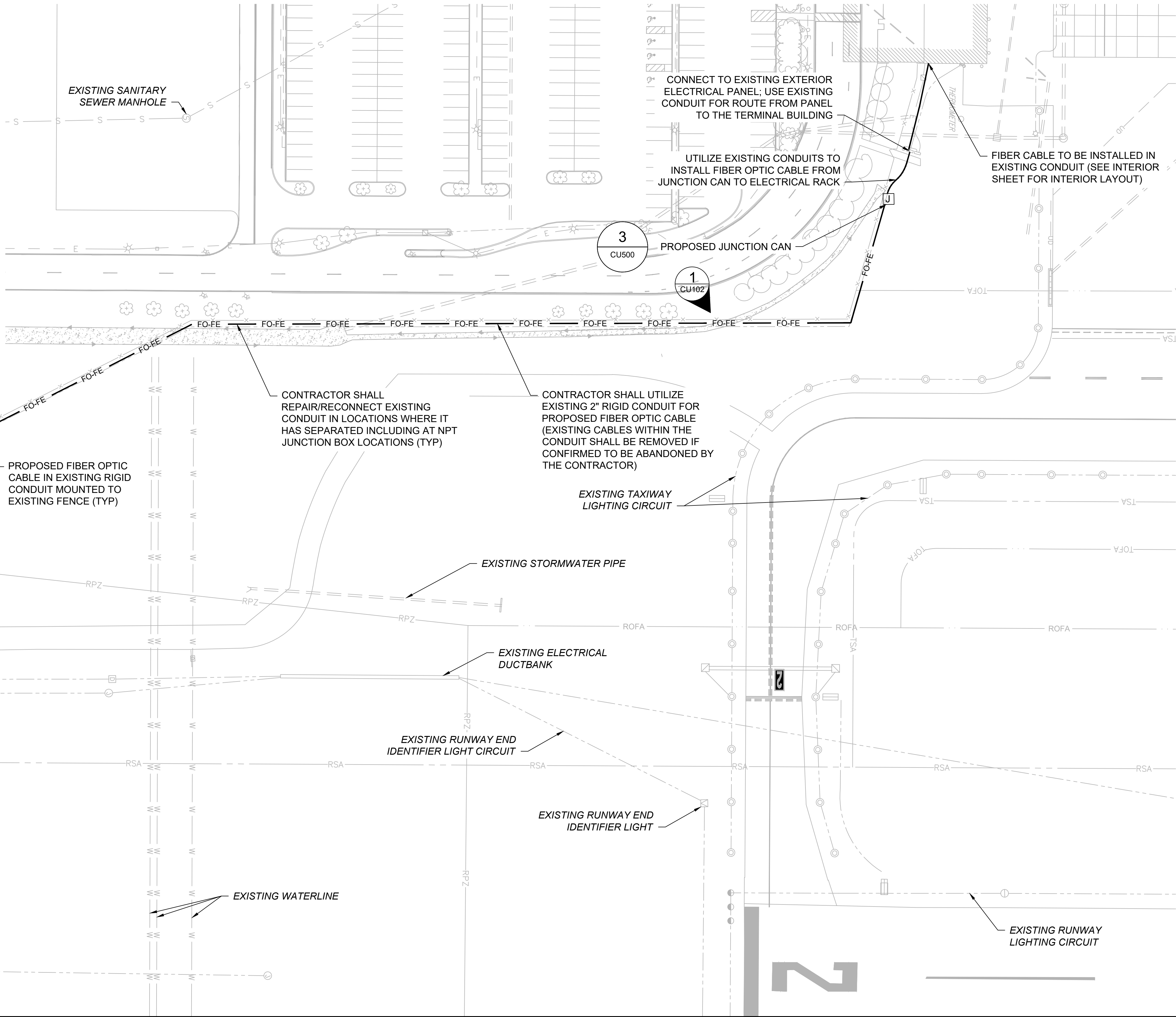
KEY PLAN

<p>CONSULTANT:</p> <p>AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602</p>		<p>SEAL:</p>	<p>PROFESSIONAL CERTIFICATION:</p> <p>"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"</p> <p>LICENSE NO. 32705</p> <p>EXPIRATION DATE: 02/21/2026</p>	<table><tr><td>DESIGNED:</td><td>B.J.D.</td><td>REVISION NO.</td><td>REVISION DATE</td><td>DESCRIPTIONS</td></tr><tr><td>DRAWN:</td><td>J.A.A.</td><td></td><td></td><td></td></tr><tr><td>CHECKED:</td><td>V.J.D.</td><td></td><td></td><td></td></tr><tr><td>APPROVED:</td><td>R.N.M.</td><td></td><td></td><td></td></tr></table>	DESIGNED:	B.J.D.	REVISION NO.	REVISION DATE	DESCRIPTIONS	DRAWN:	J.A.A.				CHECKED:	V.J.D.				APPROVED:	R.N.M.				<p>HAGERSTOWN REGIONAL AIRPORT Washington County, MD</p>		<p>PROJECT TITLE:</p> <p>ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT</p> <p>SHEET TITLE:</p> <p>UTILITY PLAN 2 - BASE BID</p> <table><tr><td>SCALE:</td><td>AS SHOWN</td><td>DATE:</td><td>APRIL 2025</td></tr></table>	SCALE:	AS SHOWN	DATE:	APRIL 2025	<p>FAA AIP No.: 3240019-071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040</p> <p>SHEET NO.:</p> <p>CU101</p> <p>32 OF 48</p>
DESIGNED:	B.J.D.	REVISION NO.	REVISION DATE	DESCRIPTIONS																												
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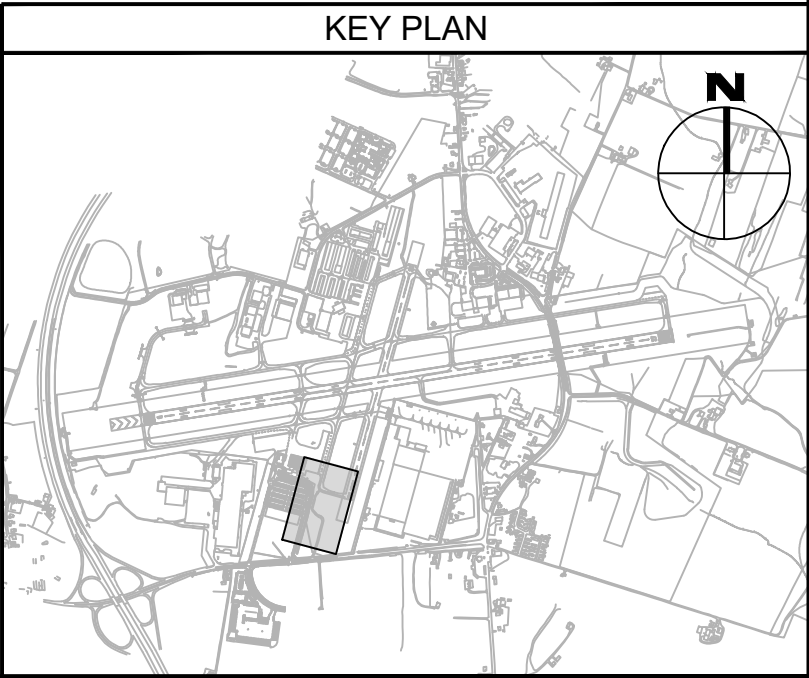
EXAMPLE OF
DISCONNECTED
CONDUIT WHICH
SHALL BE
RECONNECTED

1 DISCONNECTED CONDUIT
CU102 SCALE: NTS






- NOTES:**
1. THE PAVEMENT/EARTH DISTURBED WHEN INSTALLING BORE PITS/JUNCTION CANS SHALL BE REPAIRED INCIDENTAL TO THE JUNCTION CAN LINE ITEM.
 2. INSTALL NPT THREADED JUNCTION BOXES ALONG PROPOSED RIGID CONDUIT AT REQUIRED FENCE LOCATIONS TO COMPLETE CONNECTIONS FOR ANY POWER AND CONTROL CABLES.
 3. A 3/4" RIGID CONDUIT CAN BE USED INSTEAD OF A 2" RIGID CONDUIT FOR ALL ABOVE- GROUND CONDUIT RELATED TO THE OPERATOR, OBSTRUCTION LIGHT, CAMERA ACCESS & CONTROL SYSTEM.

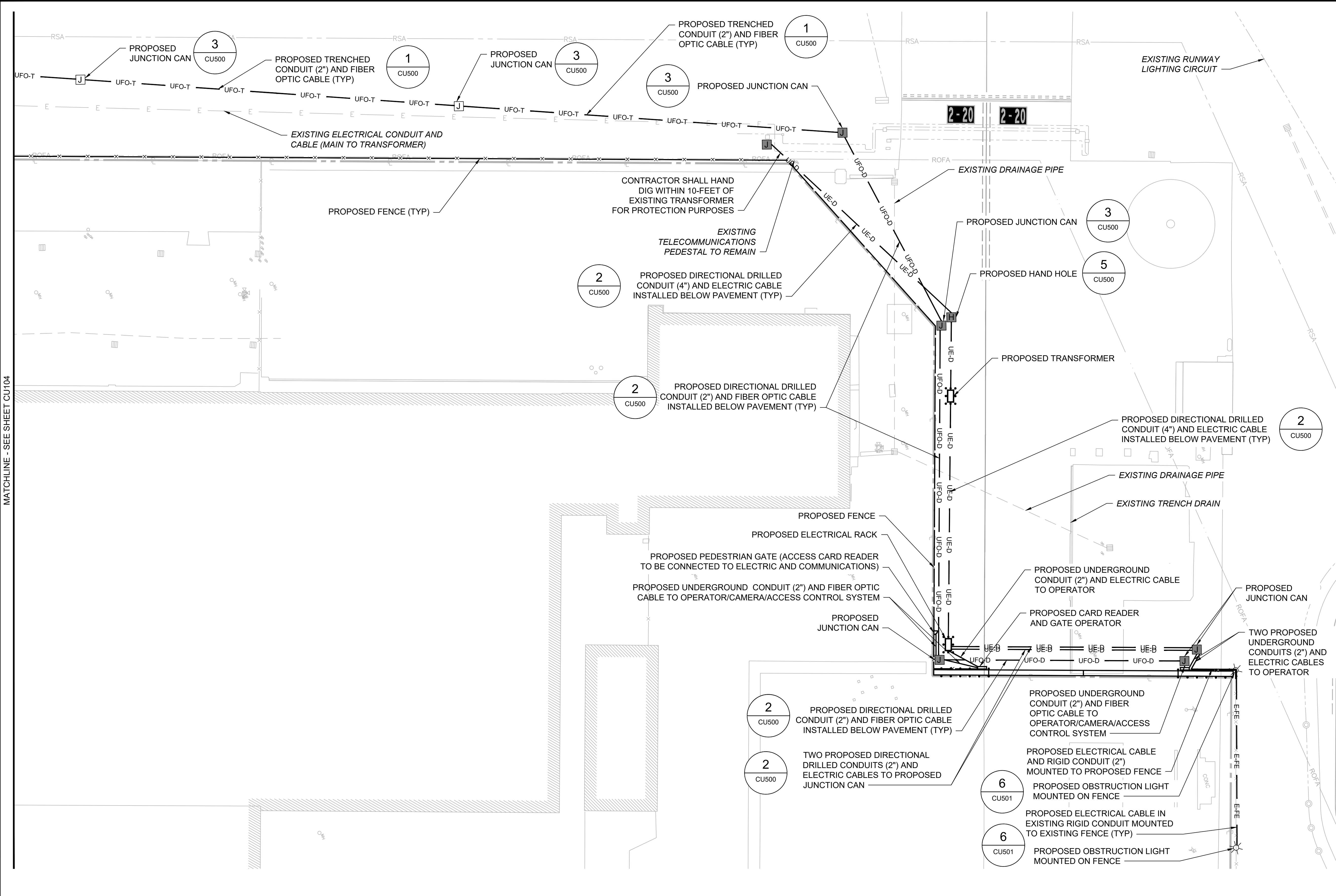
- LEGEND:**
- UFO-D — PROPOSED DIRECTIONAL DRILLED UNDERGROUND FIBER OPTIC CABLE/CONDUIT
 - UFO-T — PROPOSED TRENCHED UNDERGROUND FIBER OPTIC CABLE/CONDUIT
 - UFO-CE — PROPOSED UNDERGROUND FIBER OPTIC CABLE IN EXISTING CONDUIT
 - FO-FE — PROPOSED ABOVEGROUND FIBER OPTIC CABLE IN EXISTING CONDUIT MOUNTED TO FENCE
 - J PROPOSED JUNCTION CAN
 - J PROPOSED JUNCTION CAN/BORE PIT
 - 1 CU102 PHOTO LOCATION
 - 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:  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: B.J.D. DRAWN: J.A.A. CHECKED: V.J.D. APPROVED: R.N.M.	REVISION NO.	REVISION DATE	DESCRIPTIONS	 HAGERSTOWN REGIONAL AIRPORT Washington County, MD		PROJECT TITLE: ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT	SHEET TITLE: UTILITY PLAN 3 - BASE BID		SCALE: AS SHOWN	DATE: APRIL 2025	FAA AIP No.: 3240019071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040	SHEET NO.: CU102 33 OF 48
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MATCHLINE - SEE SHEET CU104



SCALE IN FEET


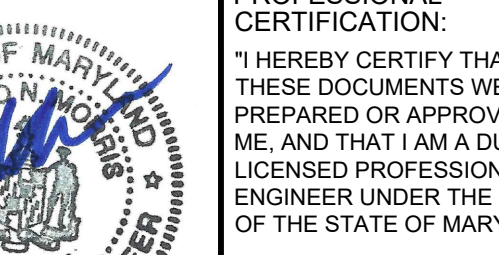
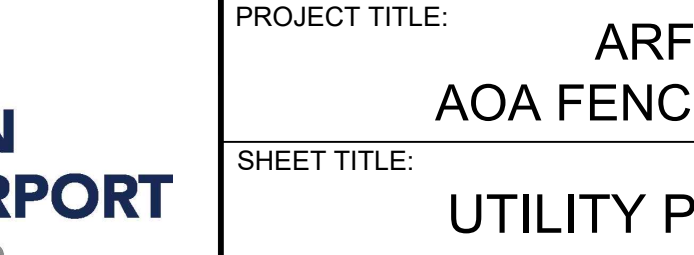
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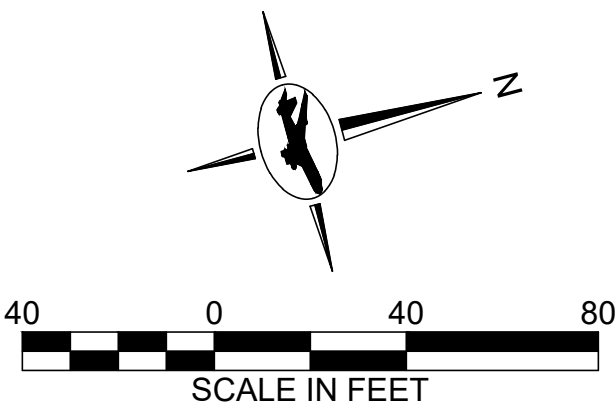
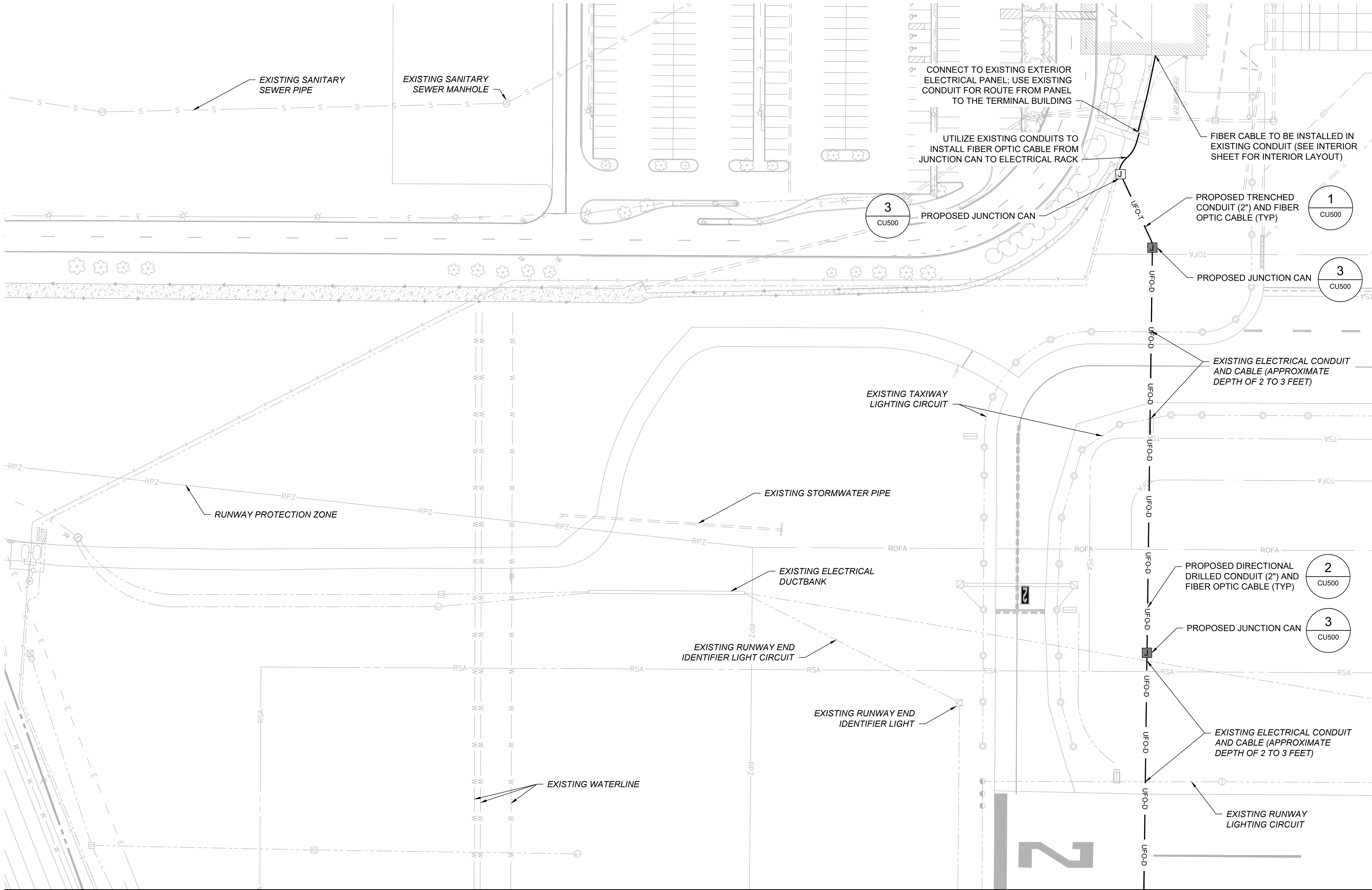
1. THE PAVEMENT/EARTH DISTURBED WHEN INSTALLING BORE PITS/JUNCTION CANS SHALL BE REPAIRED INCIDENTAL TO THE JUNCTION CAN LINE ITEM.
2. PROVIDE AN ELECTRIC GATE LOCK WITH KEYSWITCH AND FAILSECURE CAPABILITIES (SDC GATELOK GL 263AH OR APPROVED EQUAL) INCLUDING ALL REQUIRED COMPONENTS FOR THE PEDESTRIAN GATE.
3. INSTALL NPT THREADED JUNCTION BOXES ALONG PROPOSED RIGID CONDUIT AT REQUIRED FENCE LOCATIONS TO COMPLETE CONNECTIONS FOR ANY POWER AND CONTROL CABLES.
4. A 3/4" RIGID CONDUIT CAN BE USED INSTEAD OF A 2" RIGID CONDUIT FOR ALL ABOVE- GROUND CONDUIT RELATED TO THE OPERATOR, OBSTRUCTION LIGHT, CAMERA ACCESS & CONTROL SYSTEM.

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
- E-FE — PROPOSED ABOVEGROUND ELECTRIC CABLE IN EXISTING CONDUIT MOUNTED TO FENCE
- ☼ PROPOSED OBSTRUCTION LIGHT
- ⌈ 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 ELECTRICAL DUCTBANK
- RSA — RUNWAY SAFETY AREA
- ROFA — RUNWAY OBJECT FREE AREA

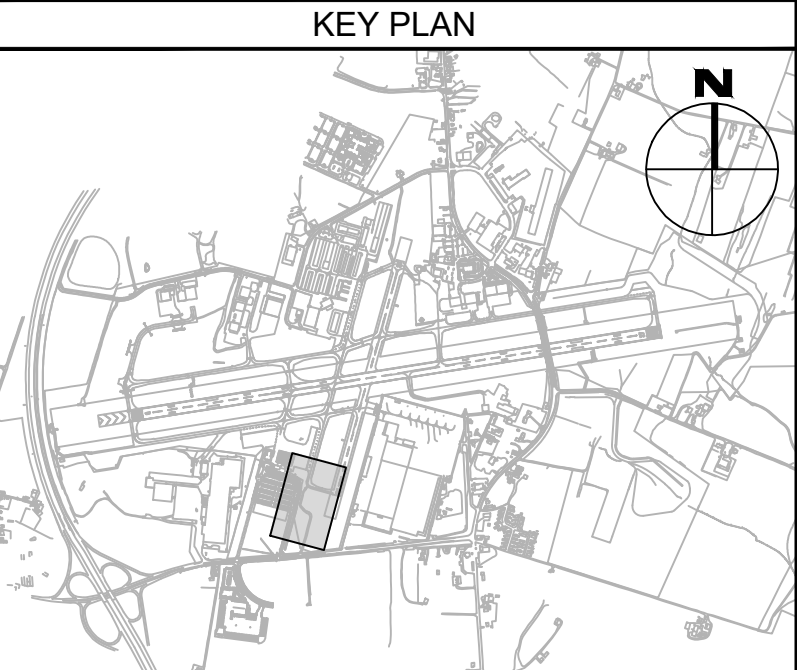
KEY PLAN




<div>CONSULTANT:</div> <div><p>AIRPORT DESIGN CONSULTANTS 6031 UNIVERSITY BLVD, SUITE 330 ELLICOTT CITY, MD 21043 TEL: 410.465.9600 FAX: 410.465.9602</p></div>		<div>SEAL:</div> <div></div>	<div>PROFESSIONAL CERTIFICATION:</div> <div>"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"</div> <div>LICENSE NO. 32705</div> <div>EXPIRATION DATE: 02/21/2026</div>	<div>DESIGNED:</div> <div>B. J.D.</div> <div>DRAWN:</div> <div>J.A.A.</div> <div>CHECKED:</div> <div>V.J.D.</div> <div>APPROVED:</div> <div>R.N.M.</div>	<div>REVISION NO.</div> <div>REVISION DATE</div> <div>DESCRIPTIONS</div>	<div><div>HAGERSTOWN REGIONAL AIRPORT Washington County, MD</div></div>	<div>PROJECT TITLE:</div> <div>ARFF BUILDING DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT</div> <div>SHEET TITLE:</div> <div>UTILITY PLAN 1 - ADD ALTERNATE NO. 1</div> <div>SCALE:</div> <div>AS SHOWN</div> <div>DATE:</div> <div>APRIL 2025</div>	<div>FAA AIP No.: 3-24-0019-071-2024 Bid No.: PUR-1744 Grading Permit No.: SGP-24-040</div> <div>SHEET NO.:</div> <div>CU103</div> <div>34 OF 48</div>
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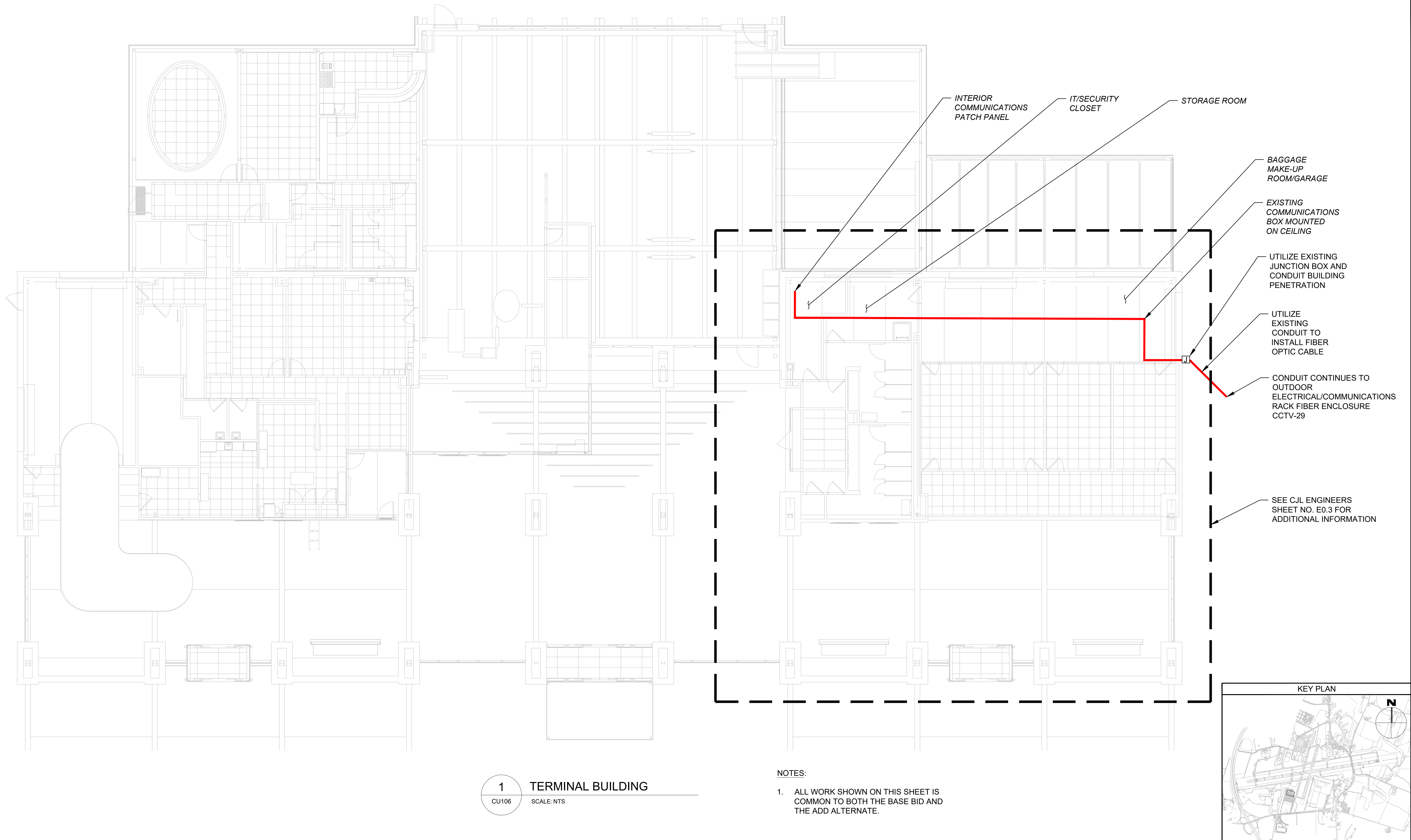


- NOTES:**
1. ALL UTILITIES SHALL REMAIN IN PLACE AND IN SERVICE UNLESS OTHERWISE NOTED.
 2. SEE SHEET GC101 FOR SURVEY CONTROL AND BASELINE PLAN.
 3. SEE APPENDIX E OF THE PROJECT MANUAL FOR HISTORICAL GEOTECHNICAL INFORMATION.
 4. THE PAVEMENT/EARTH DISTURBED WHEN INSTALLING BORE PITS/JUNCTION CANS 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
 - [J] PROPOSED JUNCTION CAN
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 - EXISTING COMM MANHOLE
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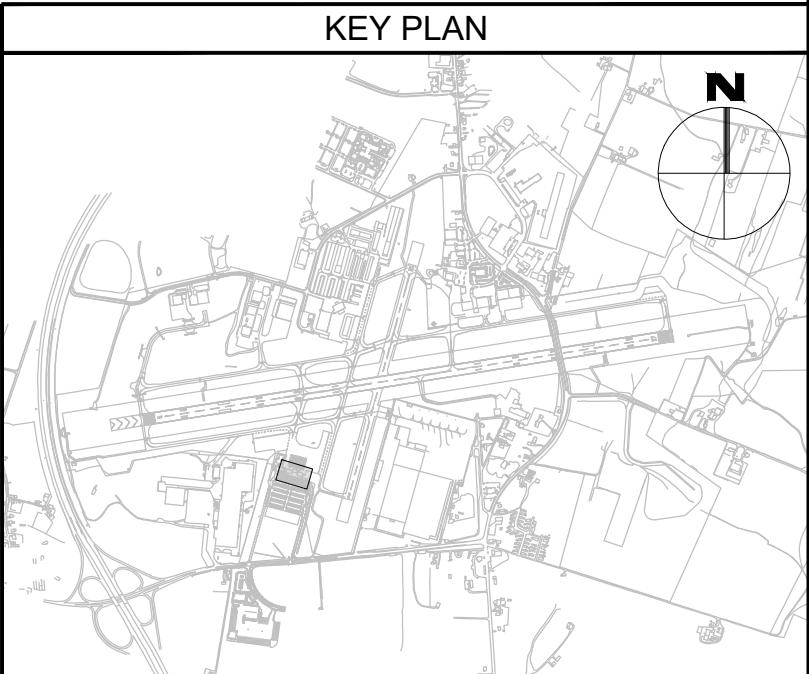





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BID DOCUMENTS																									

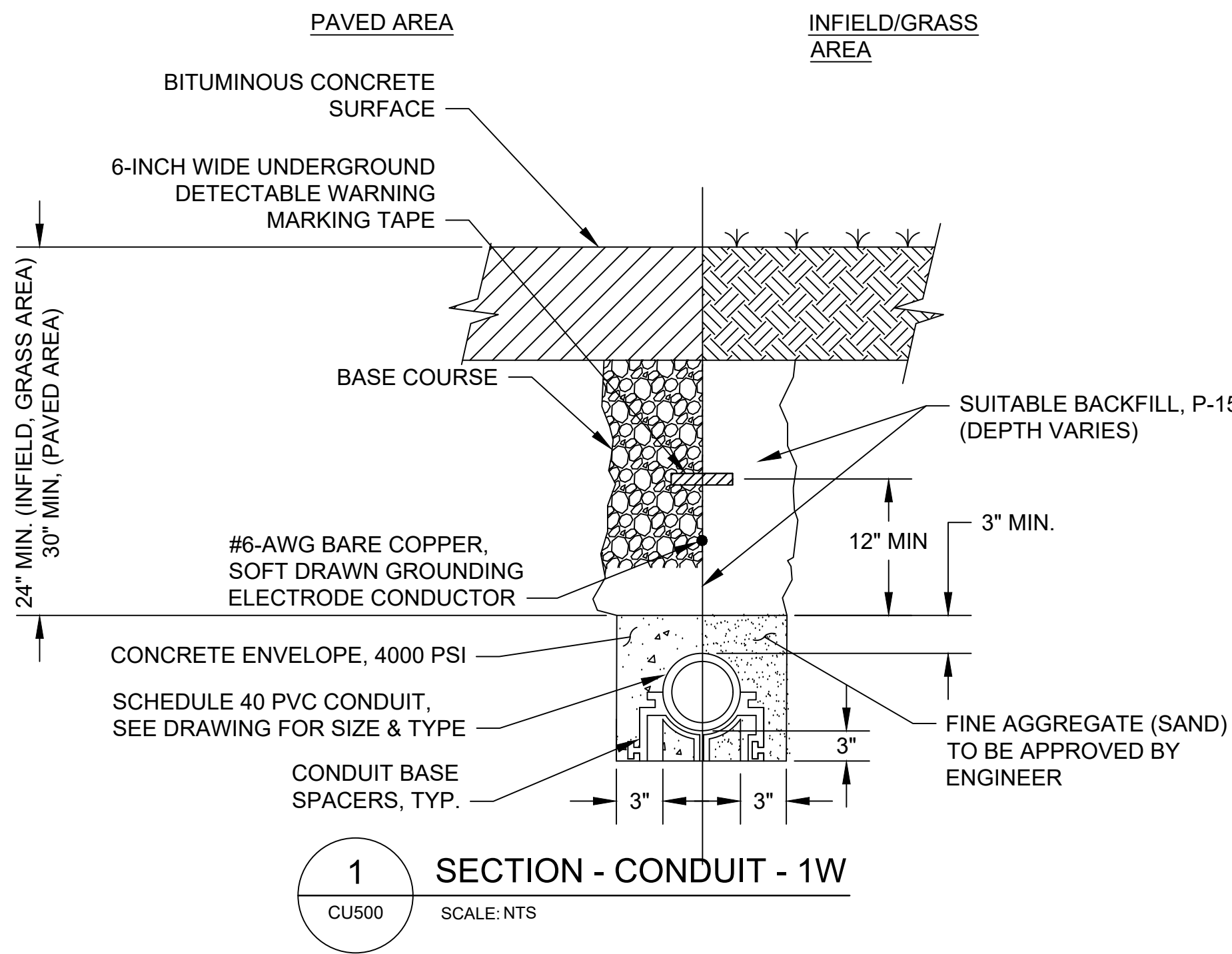


1 TERMINAL BUILDING
CU106 SCALE: NTS

- NOTES:
- ALL WORK SHOWN ON THIS SHEET IS COMMON TO BOTH THE BASE BID AND THE ADD ALTERNATE.

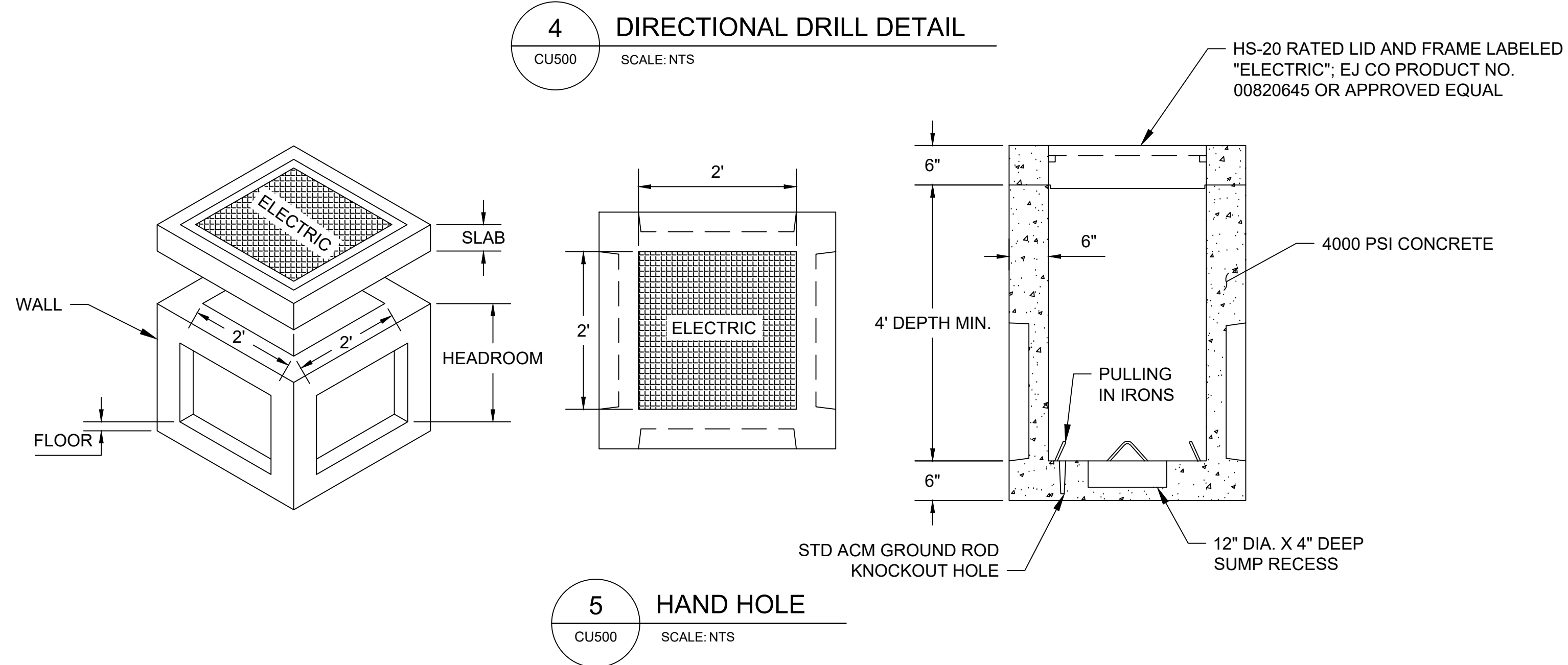
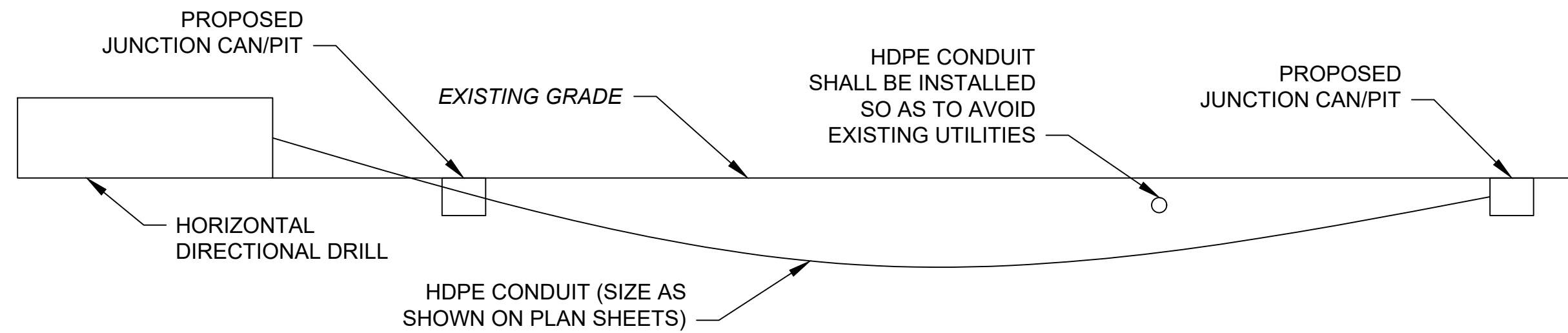
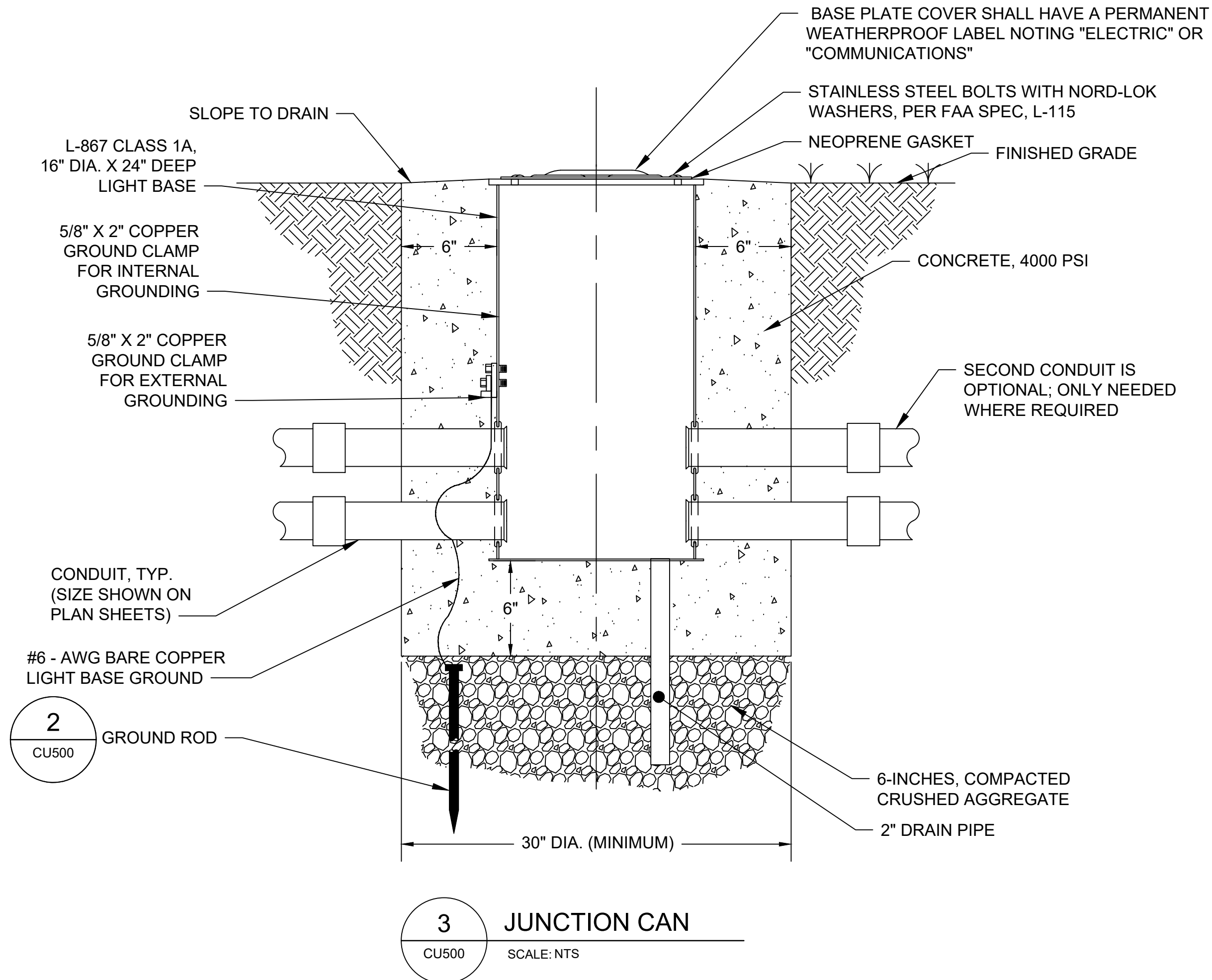
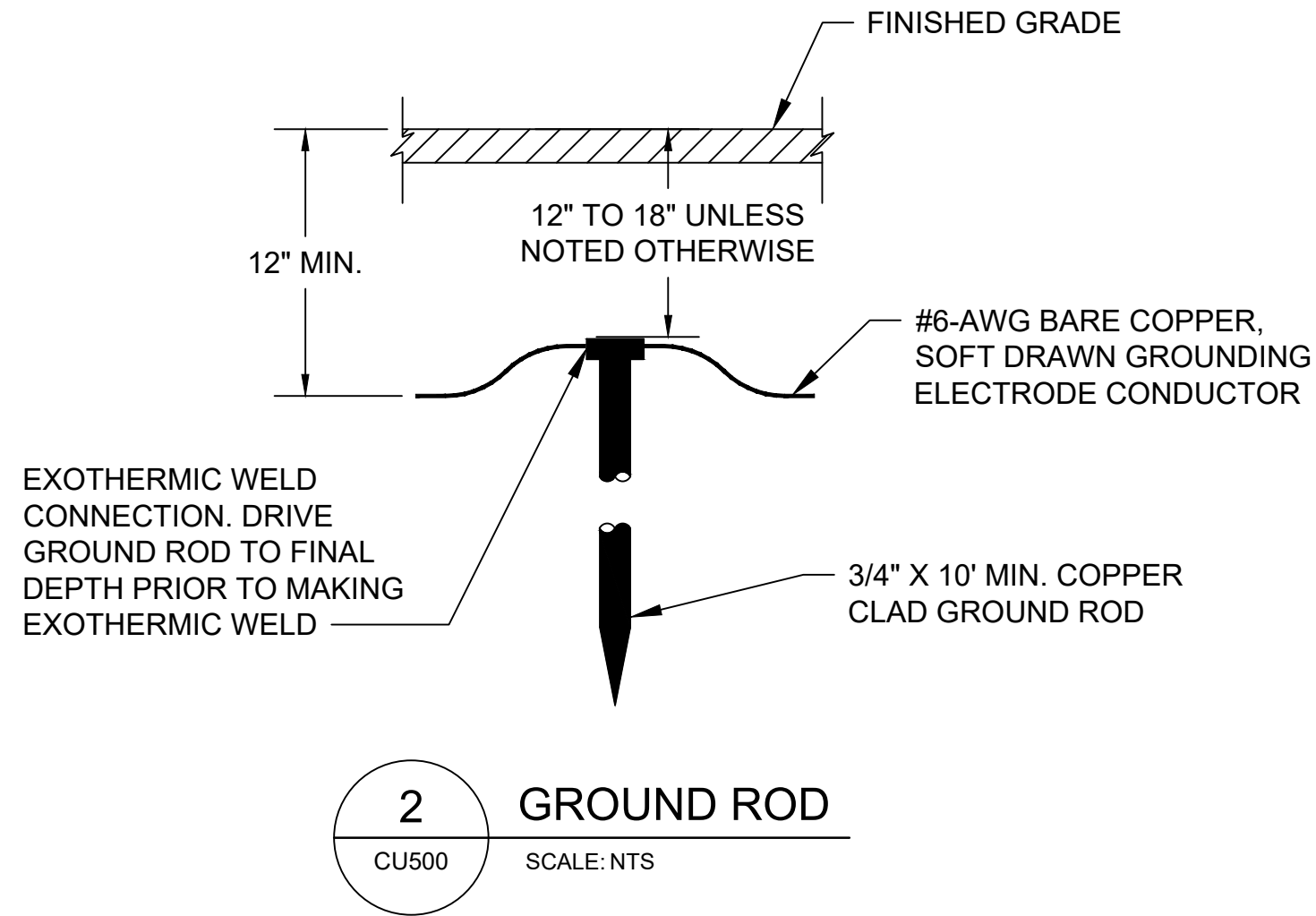


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REVISION NO.	REVISION DATE	DESCRIPTIONS																			
BID DOCUMENTS																					



DETAIL 1 NOTES:

1. MINIMUM EARTH COVER OVER COMPLETED DUCT BANK CONCRETE ENVELOPE SHALL BE NOT LESS THAN 24-INCHES.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. WHERE ENCOUNTERED, EXISTING COUNTERPOISE SHALL BE BONDED TO NEW COUNTERPOISE.
12. GLUE TO BE COMPATIBLE PER PIPE MANUFACTURER'S RECOMMENDATIONS.
13. ALL CONDUITS TO BE SCHEDULE 40 OR 80 AS PER SPEC BELL END, MINIMUM 10' LENGTHS.
14. INSTALL A PULL ROPE (1800-POUND MIN. TENSILE STRENGTH) IN EACH CONDUIT TO EACH STRUCTURE AND TERMINAL END. PROVIDE 10' SLACK AT EACH.

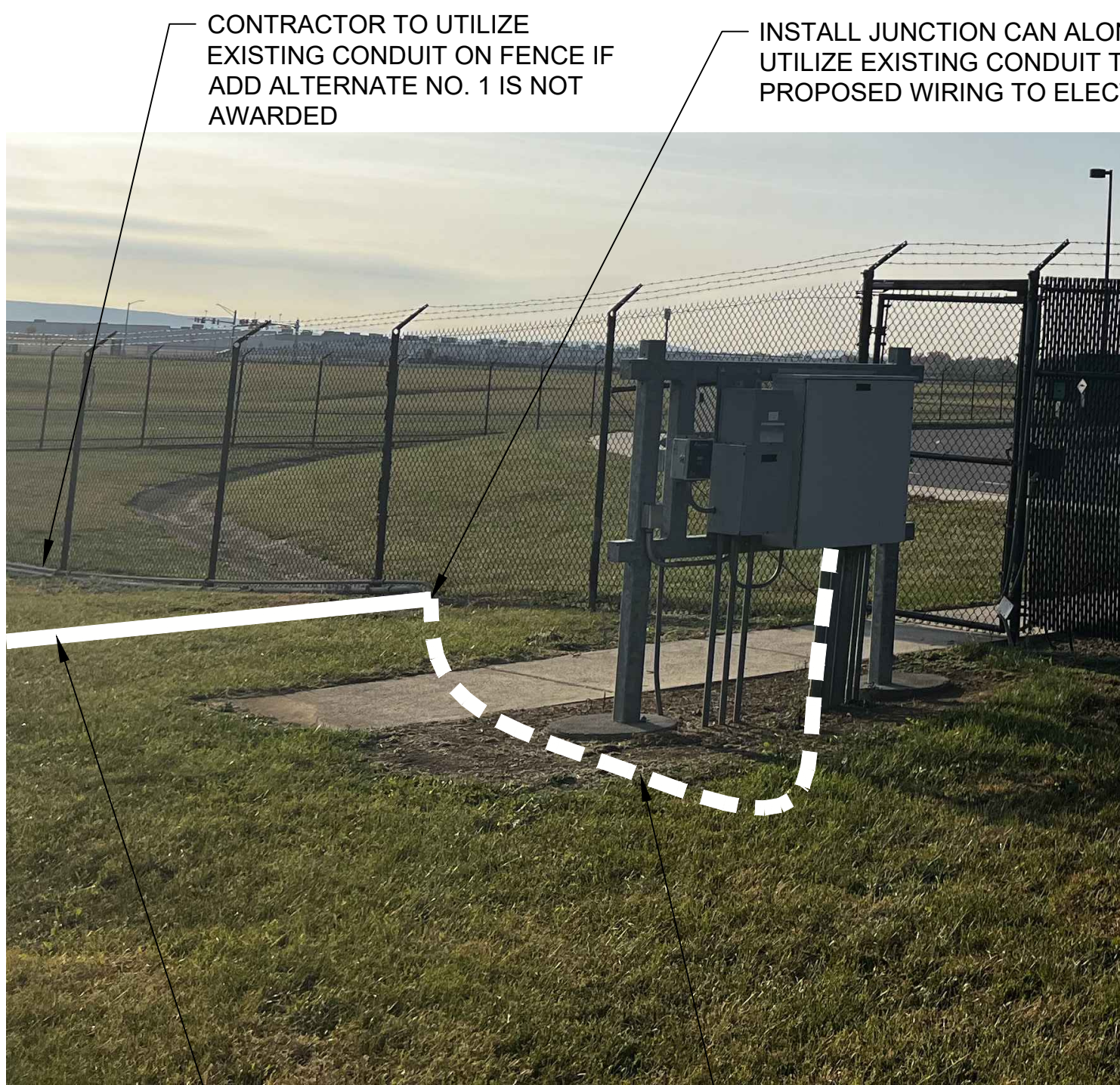




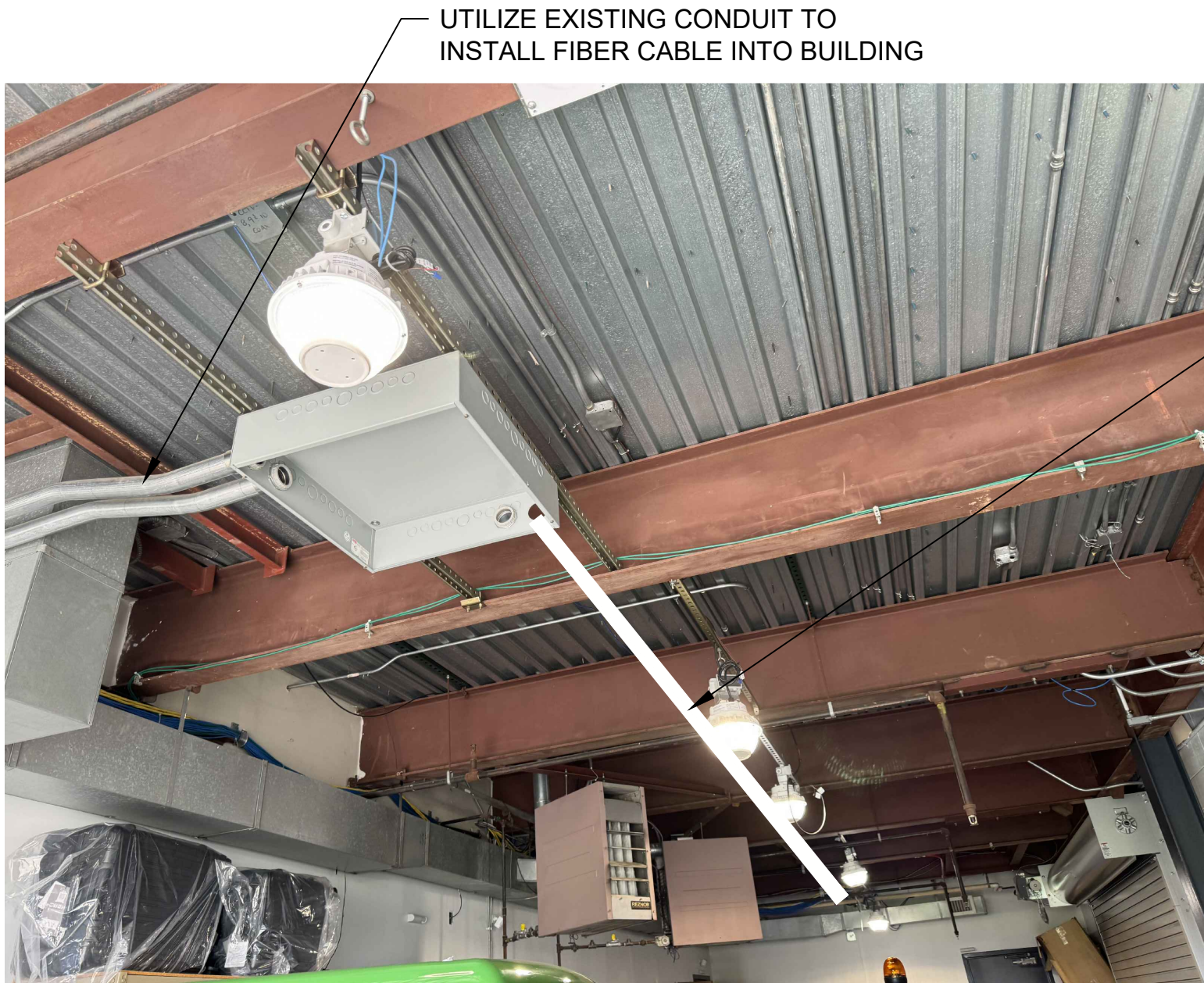
1 OUTDOOR ELECTRICAL / COMMUNICATIONS RACK
CU501 SCALE: NTS



2 EXTERIOR TERMINAL WALL
CU501 SCALE: NTS



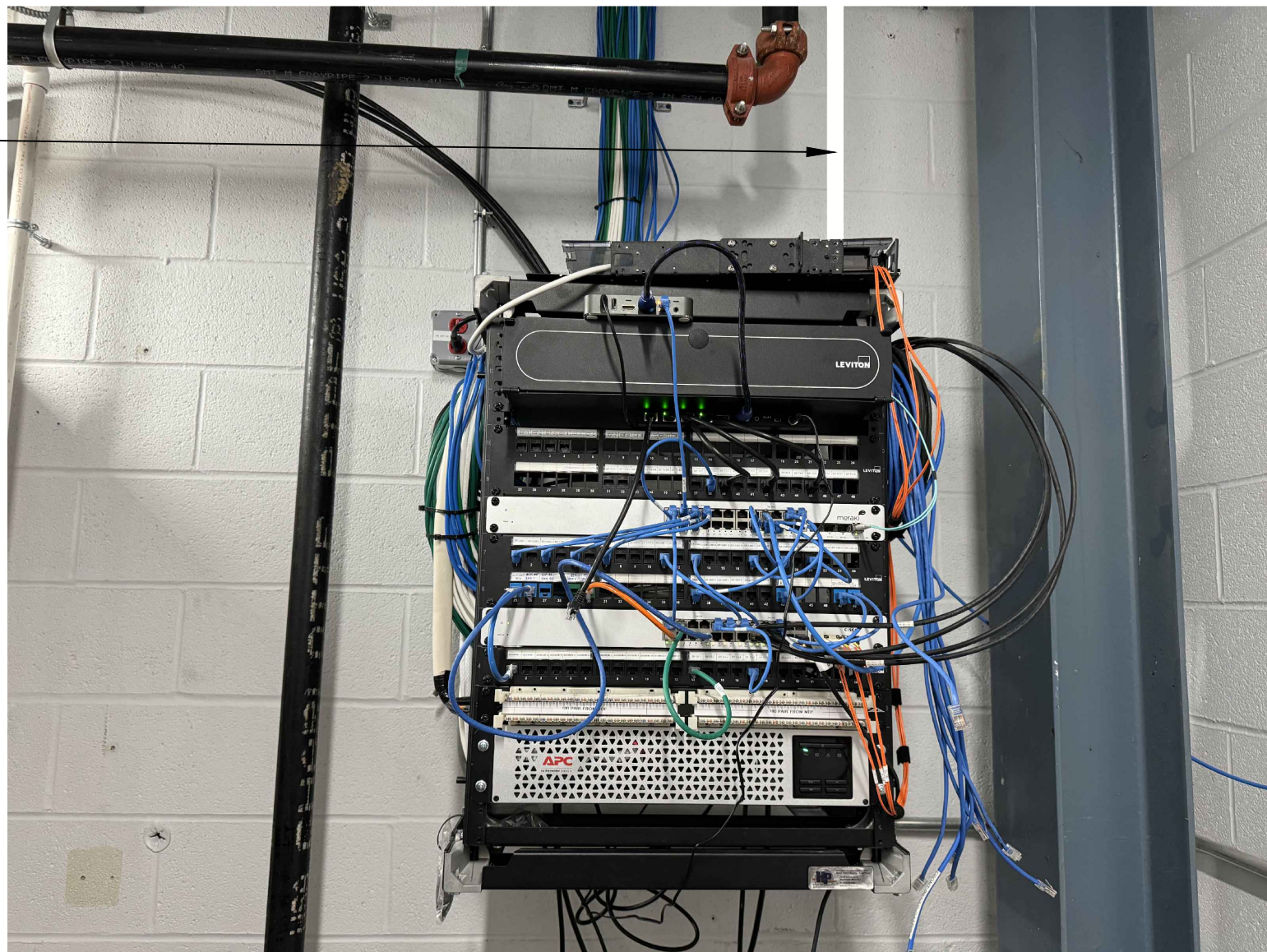
5 OUTDOOR RACK AND FENCE
CU501 SCALE: NTS



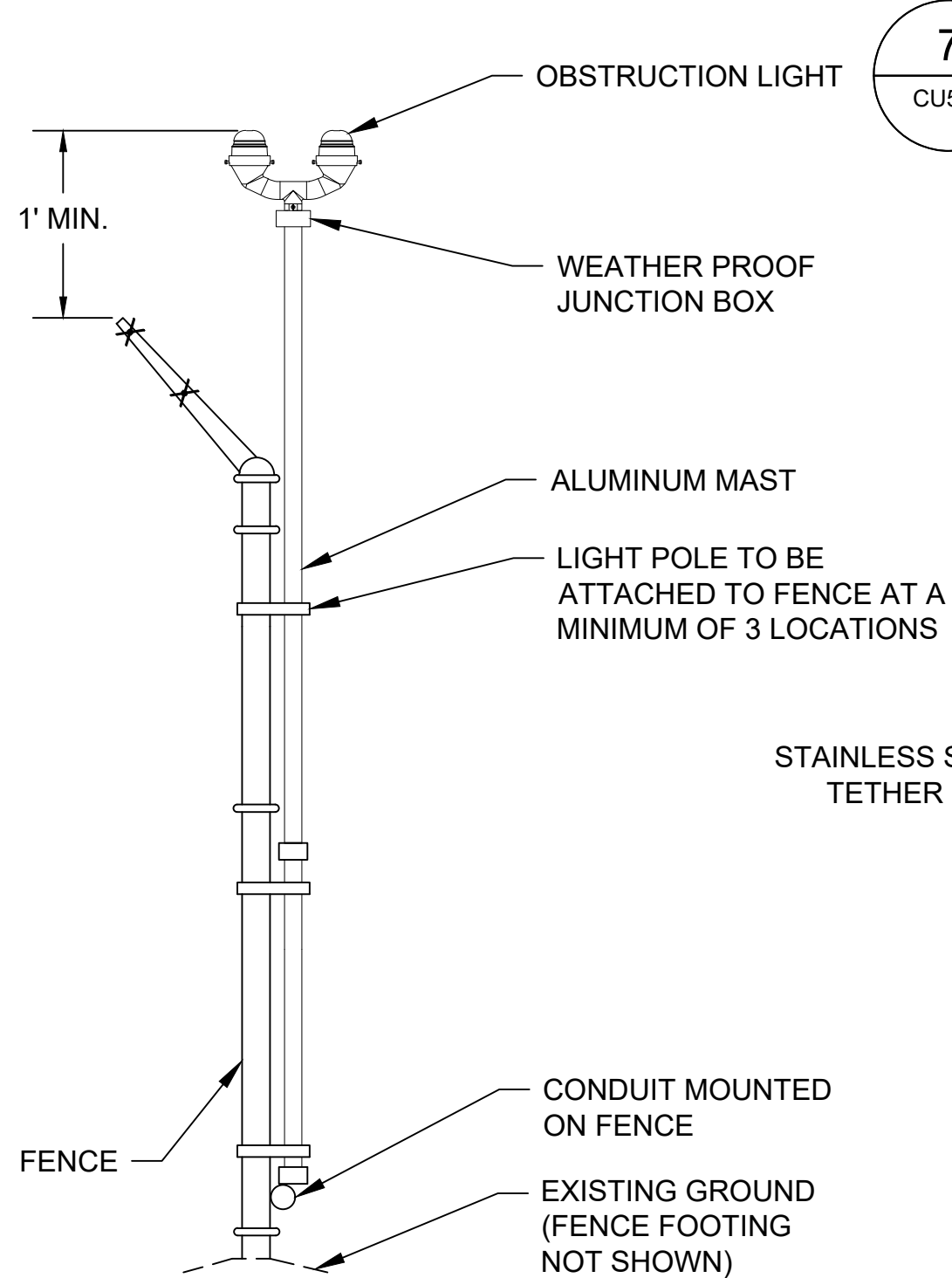
3 GARAGE INTERIOR
CU501 SCALE: NTS

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

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

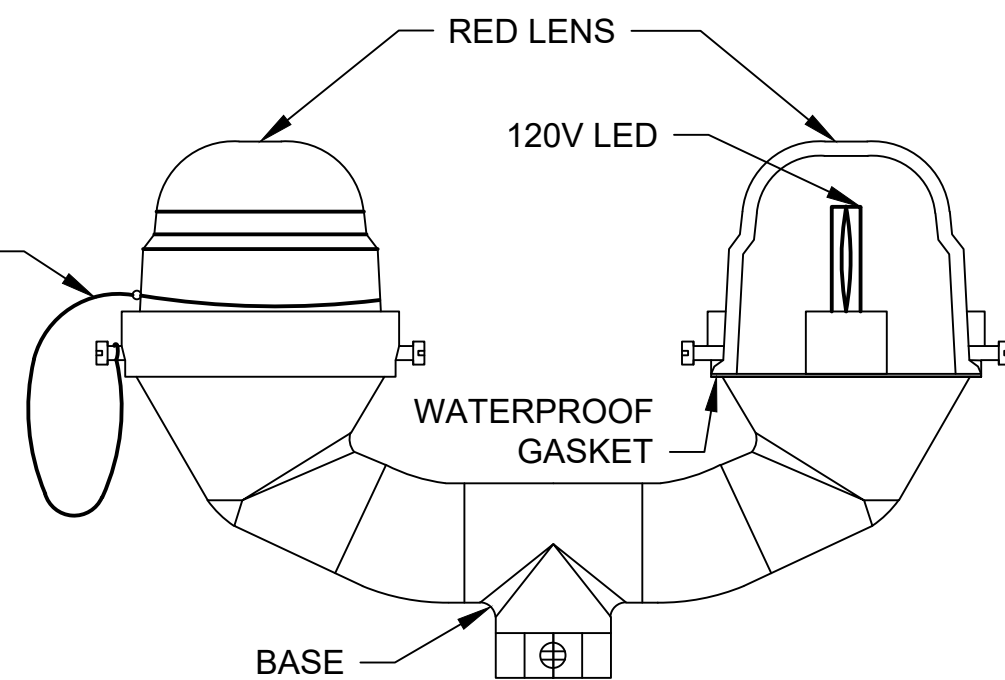


4 INTERIOR SECURITY PATCH PANEL
CU501 SCALE: NTS



6 OBSTRUCTION LIGHT AND POLE
CU501 SCALE: NTS

- NOTES:
- EQUIPMENT MUST BE OWNER APPROVED EQUIPMENT.
 - ALL EQUIPMENT MUST BE FAA APPROVED PER CIRCULAR 150/5345-43J.
 - MOUNT TOP OF LIGHT AT LEAST 1-FOOT ABOVE HIGHEST POINT OF FENCE.



7 TYPICAL L-810 DUAL LED OBSTRUCTION LIGHT
CU501 SCALE: NTS

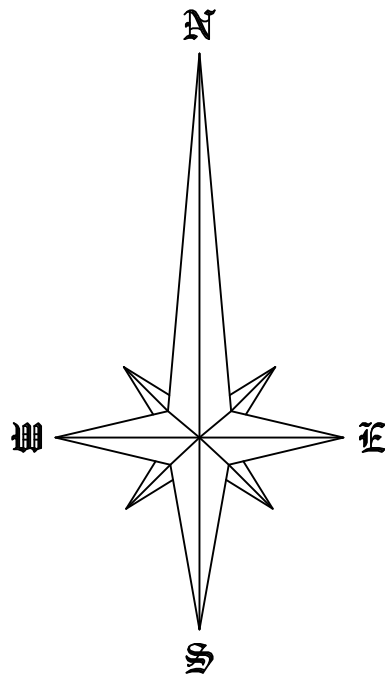
GENERAL CONSTRUCTION NOTES:

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. TEMPORARY EROSION CONTROL MEASURES WILL BE USED TO CORRECT CONDITIONS THAT DEVELOP DURING CONSTRUCTION THAT ARE UNOCCURRED DURING THE DESIGN STAGE OR THAT ARE NEEDED TO TEMPORARILY CONTROL EROSION THAT DEVELOPS DURING NORMAL CONSTRUCTION PRACTICES.
7. JOB SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
8. EXISTING UTILITIES SHOWN HEREON ARE FOR INFORMATIONAL PURPOSES ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BEFORE BEGINNING CONSTRUCTION.
9. 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.
10. 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 OFF-SITE EASEMENTS AND RIGHT OF WAYS.
11. 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.
12. 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.
13. 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, INC ACCORDANCE WITH THE WASHINGTON COUNTY S-3 POLICY.
14. 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.
15. 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).
16. 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.
17. THERE IS NO 100 YEAR FLOODPLAIN ON THIS SUBJECT PROJECT AREA AS SHOWN ON FEMA PANEL No. 24043C01280 DATED 8/15/2017.
18. ALL GRADING FOR THIS PROJECT SHALL BE THE FULL RESPONSIBILITY OF THE PROPERTY OWNER.
19. 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.
20. 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

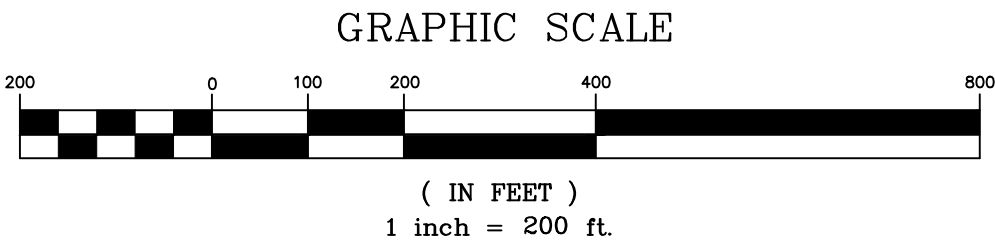


LEGEND	
	EXIST. TREE LINE
	EXIST. FENCELINE
	SOIL LINE
	EXISTING STREAM
	SOIL TYPE
	EXIST. STORM DRAIN
	EXIST. GRAVEL LANE
	ADJOINING PROPERTY LINE
	PROPERTY LINE
	EXIST. UTILITY POLE
	EXIST. OVERHEAD WIRING
	BENCHMARK



INDEX OF SHEETS

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



PROJECT NARRATIVE:

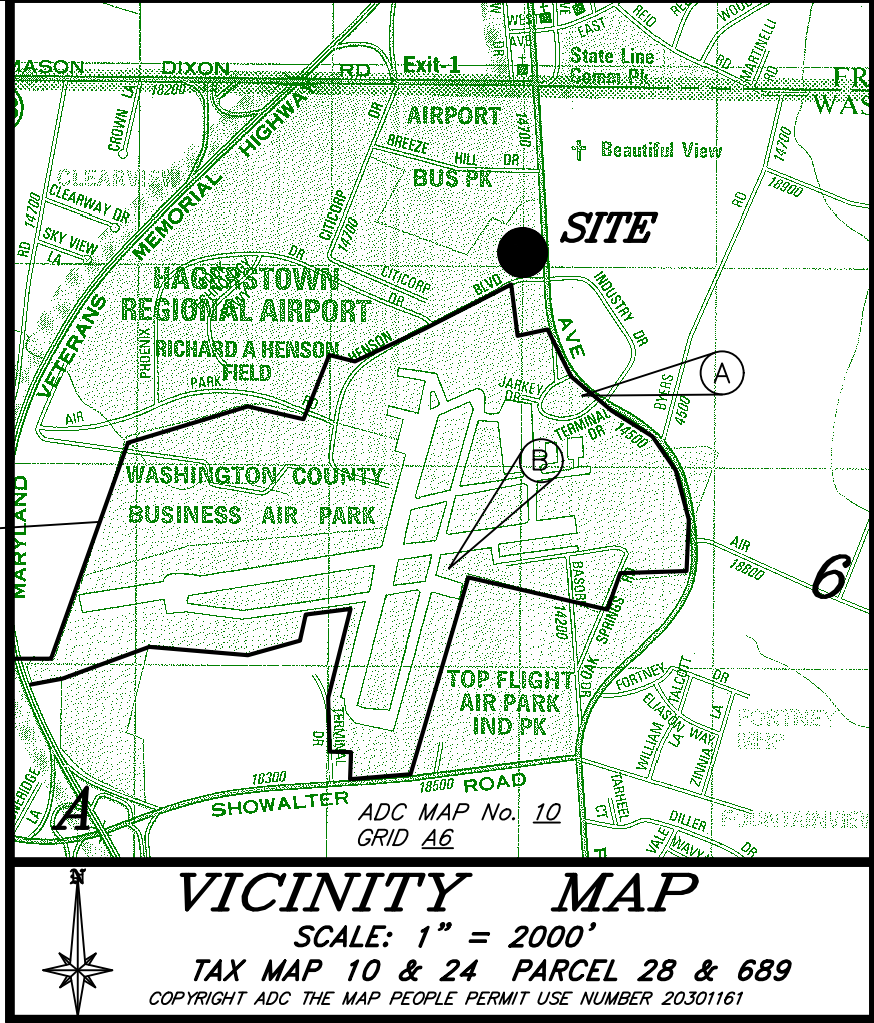
THIS PROJECT AT THE HAGERSTOWN REGIONAL AIRPORT PROPOSES THE DEMOLITION OF THE OLD FIRE STATION BUILDING, REMOVAL OF OLD FENCING, INSTALLATION OF A NEW FENCE AND GATE SYSTEM AND, INSTALLATION OF UNDERGROUND FIBER OPTIC AND ELECTRIC LINES. THE PROJECT IS BEING PERFORMED TO IMPROVE THE SIGHT DISTANCE FOR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

TOTAL TAX GRID INFO: 24-04-0689-00000
10-23-0028-00000

A. N.G.S. MONUMENT AJ7986 "MIDDLE 2"
(NAD83, NAVD 88)
N 745,943.925
E 1,109,153.128
ELEV. = 695.66'

B. 550 MTS
(NAD83, 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.

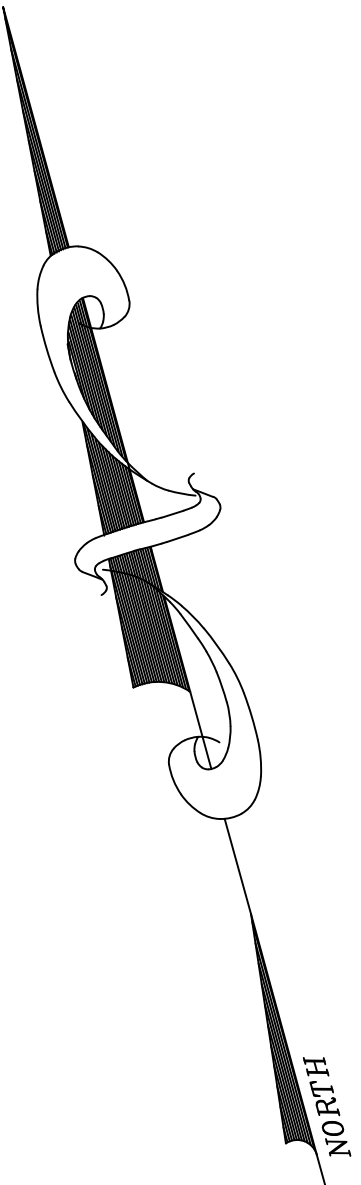
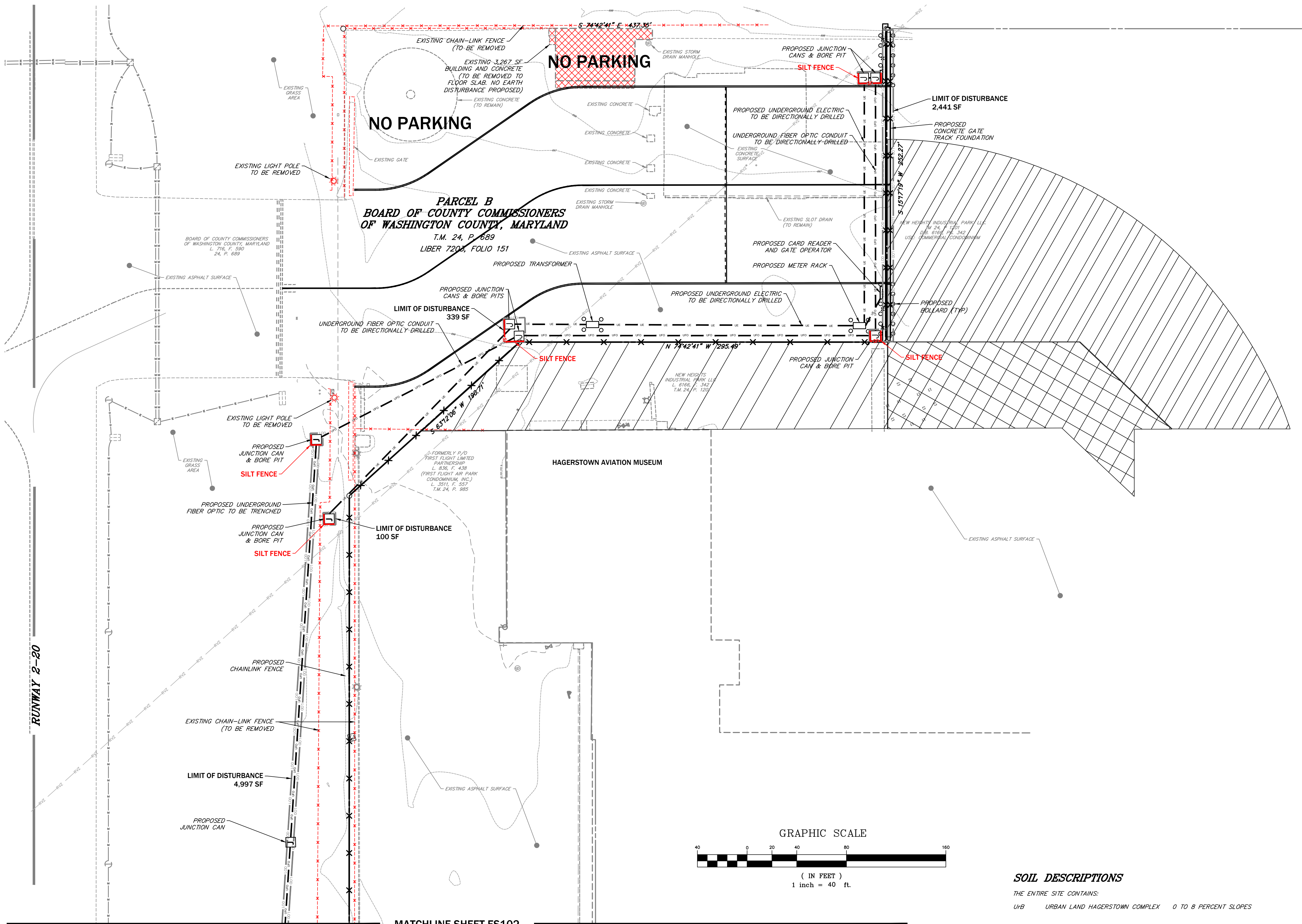
DATE JUL 12, 2024 REG. NO. 27053

SIGNATURE [Signature]

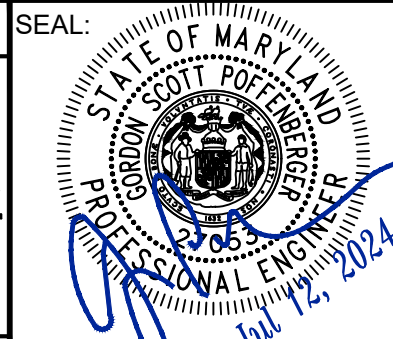
WASHINGTON COUNTY SOIL CONSERVATION DISTRICT

WASHINGTON COUNTY DIVISION OF ENGINEERING

CONSULTANT: FOX & ASSOCIATES, INC. ENGINEERS • SURVEYORS • PLANNERS 981 MT. AETNA ROAD HAGERSTOWN, MD. 21740 PHONE: (301)733-8503 or (301)416-7250 FAX: (301)733-1853 www.foxandassociates.com Email: foxasso@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. <u>27053</u> EXPIRATION DATE: <u>1/25/2026</u>		DESIGNED: GSP DRAWN: DCM CHECKED: GSP APPROVED: GSP		REVISION NO. REVISION DATE DESCRIPTIONS		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-1701 GRADING PERMIT NO.: SGP-24-040	
												SHEET TITLE: COVER SHEET		FOX DRAWING NO. D-9378 SHEET NO.: ES100 37 OF 45	
												SCALE: AS SHOWN		DATE: JUNE 2024	



CONSULTANT:
FOX & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS
981 MT. AETNA ROAD
HAGERSTOWN, MD. 21740
PHONE: (301)733-8503
or (301)416-7250
FAX: (301)733-1853
www.foxassociatesinc.com Email: foxasso@foxassociatesinc.com
82 WORMANS MILL COURT
SUITE 'G'
FREDERICK, MD. 21701
PHONE: (301)695-0880
FAX: (301)293-6009
Est. 1966
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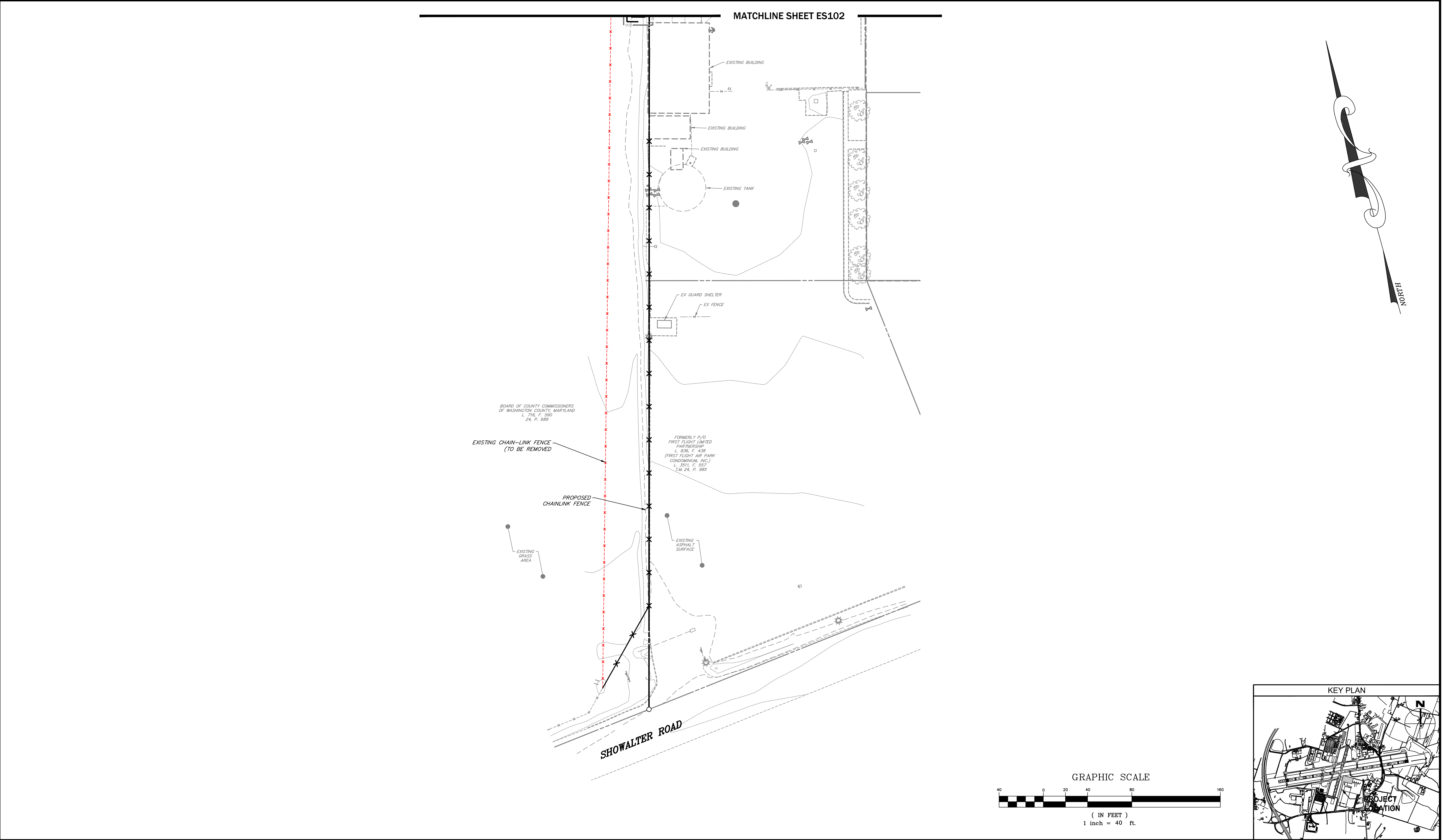
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LICENSE NO. 27053
EXPIRATION DATE: 1/25/2026

DESIGNED:	REVISION NO.	REVISION DATE	DESCRIPTIONS
GSP			
DRAWN:			
DCM			
CHECKED:			
GSP			
APPROVED:			
GSP			

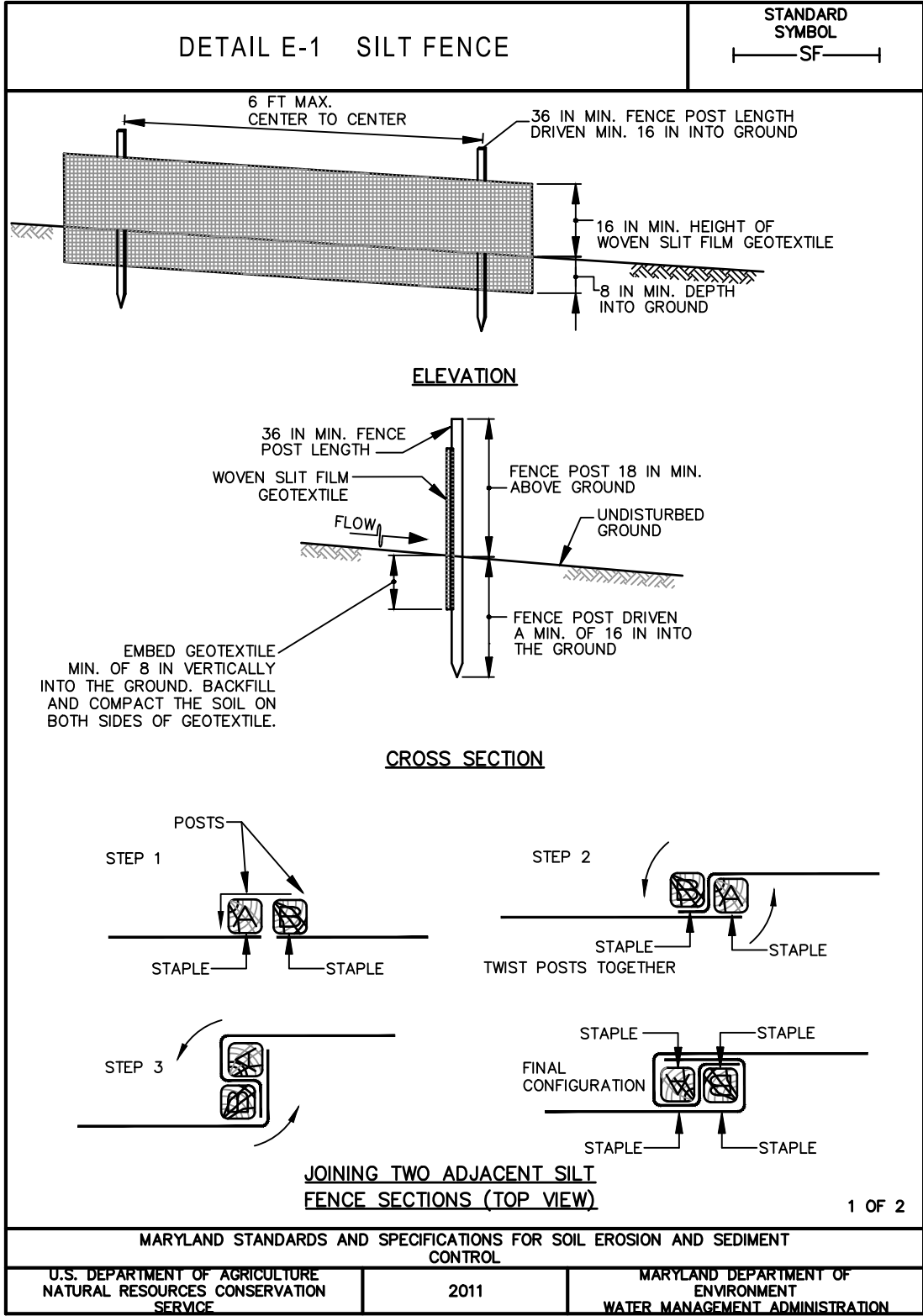
HGR
HAGERSTOWN REGIONAL AIRPORT
Washington County, MD

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-1701
GRADING PERMIT NO.: SGP-24-040
FOX DRAWING NO. D-9378
SHEET NO.:
ES101
38 OF 45



CONSULTANT: FOX & ASSOCIATES, INC. ENGINEERS • SURVEYORS • PLANNERS 981 MT. AETNA ROAD HAGERSTOWN, MD. 21740 PHONE: (301)733-8503 or (301)416-7250 FAX: (301)733-1853 www.foxandassociates.com Email: foxasso@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	REVISION NO.	REVISION DATE	DESCRIPTIONS	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-1701 GRADING PERMIT NO.: SGP-24-040	
				DRAWN: DCM							SHEET TITLE: DEMOLITION / SITE PLAN	FOX DRAWING NO. D-9378	
				CHECKED: GSP							SCALE: 1" = 40'	DATE: JUNE 2024	
				APPROVED: GSP								ES103 40 OF 45	



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

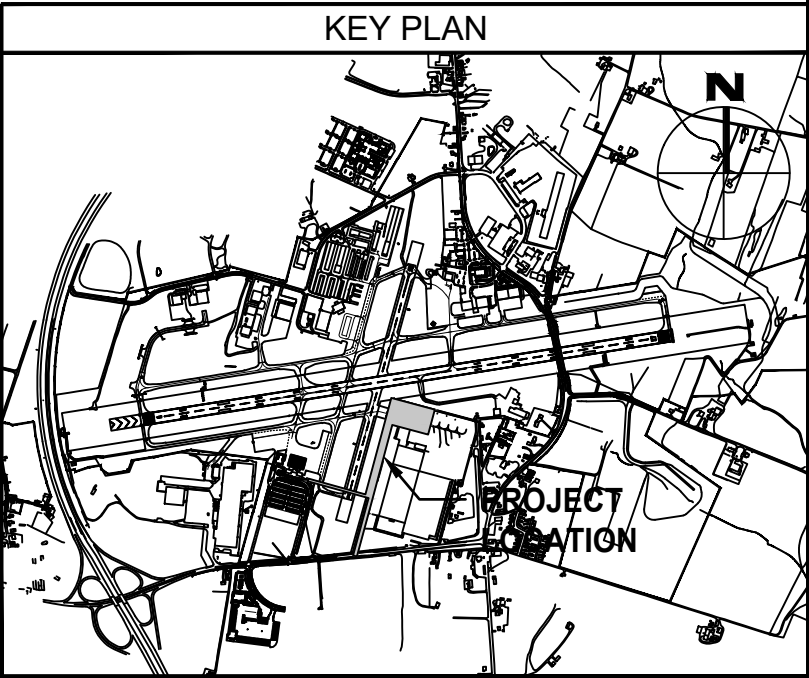
SEED MIXTURE (HARDINESS ZONE 6B) FROM TABLE B.3					FERTILIZER RATE (10-20-20)			LIME RATE
No.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTHS	N	P205	K20	
6	TALL FESCUE WHITE CLOVER PERENNIAL RYE GRASS	40 5 25	3/1 - 5/15 8/1 - 10/15	1/4" - 1/2"	45 LB/AC (10 LB/1000 S.F.)	90 LB/AC (20 LB/1000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

SEED MIXTURE (HARDINESS ZONE 6B) FROM TABLE B.1					FERTILIZER RATE (10-20-20)	LIME RATE
No.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTHS		
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						

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



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.foxassociatesinc.com Email: foxasso@foxassociatesinc.com 82 WORMANS MILL COURT SUITE 'G' FREDERICK, MD. 21701 PHONE: (301)695-0880 FAX: (301)293-6009		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.	REVISION DATE	DESCRIPTIONS	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-1701 GRADING PERMIT NO.: SGP-24-040 FOX DRAWING NO. D-9378 SHEET NO.: ES104 41 OF 45		
BID DOCUMENTS										SHEET TITLE: NOTES AND DETAILS		SCALE: 1" = 40'		DATE: JUNE 2024

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 CONTACTORS 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 260501 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


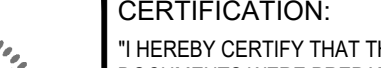

MOTOR STARTER

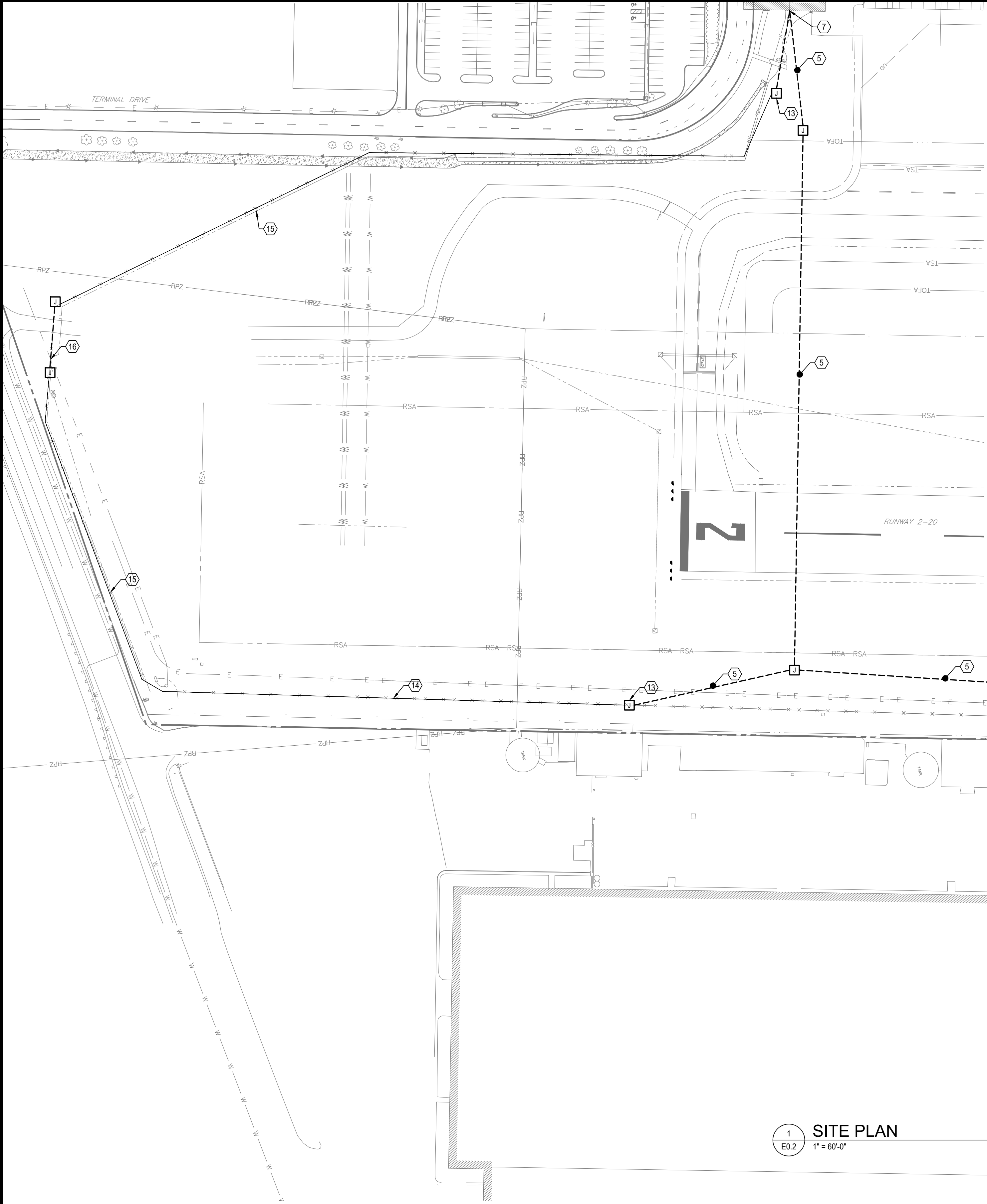
MOTOR STARTER AND DISCONNECT SWITCH

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
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
LTS LIGHTING
LV LOW VOLTAGE
LVC LOW VOLTAGE CONTRACTOR
M MOTOR
MCA MINIMUM CIRCUIT AMPS
MC MECHANICAL CONTRACTOR
MCB MAIN CIRCUIT BREAKER
ML MULTILINE
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: <div><div>CJL ENGINEERING</div><div>5285 Westview Drive Suite 203 Frederick, MD 21703 P 301.695.9424 CJL Project # 23-0826</div></div>	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: 6/3/26	DESIGNED: ALD	REVISION NO.	REVISION DATE	DESCRIPTIONS	 <div>HAGERSTOWN REGIONAL AIRPORT</div> <div>Washington County, MD</div>	PROJECT TITLE: ARFF DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT		FAA AIP No.: 3-24-0019071-2024 Bid No.: PUR-1744
			DRAWN: ALD					SHEET TITLE: ELECTRICAL COVER SHEET	SHEET NO.: E0.1	
			CHECKED: CPM							
			APPROVED: CPM							
<div>BID DOCUMENTS</div>								SCALE: AS SHOWN		DATE: APRIL 2025
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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.
- 5. REFER TO ADCI DRAWINGS FOR SEPARATION OF BASE BID AND ADD ALTERNATE ITEMS. THIS SHEET SHOWS BOTH CONDITIONS FOR THE INSTALLATION OF FIBER OPTIC CABLE AND CONDUIT. ONLY ONE ROUTE WILL BE CHOSEN.

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.

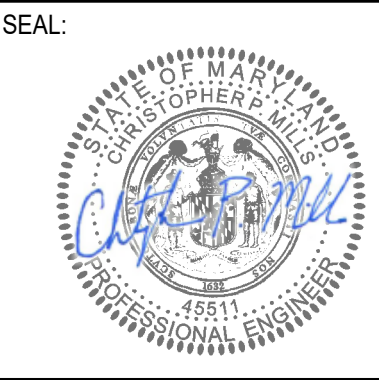
- 7 FIBER CABLE TO BE EXTENDED TO EXISTING TERMINAL BUILDING PATCH PANEL. REFER TO DRAWING E0.3 FOR EXTENSION OF CONDUIT.
- 8 PROVIDE HID MULTICLASS SE RK40 OR APPROVED EQUAL ACCESS CONTROL DEVICE MOUNTED ON SWITCH GANG BOX ON BOTH SIDES OF PEDESTRIAN AND TELESCOPING GATE. CONNECT ACCESS CONTROL DEVICES TO TERMINAL BUILDING PATCH PANEL. PROVIDE ELECTRIC GATE LOCK WITH KEYSWITCH AND FAILSECURE 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.
- 12 PROVIDE FLIGHT LIGHT FL-810LNV-R-AC OBSTRUCTION LIGHT WITH INTEGRAL PHOTOCCELL. COORDINATE EXACT MODEL WITH ADCI. MAKE ALL FINAL CONNECTIONS AS REQUIRED. CONNECT POWER TO INDICATED BREAKER IN PANEL GATE 170.
- 13 CONNECT UNDERGROUND CONDUIT TO PROPOSED FENCE MOUNTED CONDUIT.
- 14 PROVIDE 2" CONDUIT MOUNTED TO FENCE FOR FIBER OPTIC CABLE.

- 15 UTILIZE EXISTING 2" RIGID CONDUIT FOR FIBER OPTIC CABLE. CONFIRM EXISTING CABLING IS ABANDONED AND REMOVE AS REQUIRED. CONTRACTOR SHALL REPAIR/RECONNECT EXISTING CONDUIT WHERE IT HAS SEPARATED AT NPT JUNCTIONS.
- 16 PROVIDE 2" UNDERGROUND CONDUIT FOR FIBER OPTIC CABLING IN THIS LOCATION TO AVOID EXISTING ACCESS ROAD.

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

CONSULTANT:

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P 301.695.9424
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CPM			

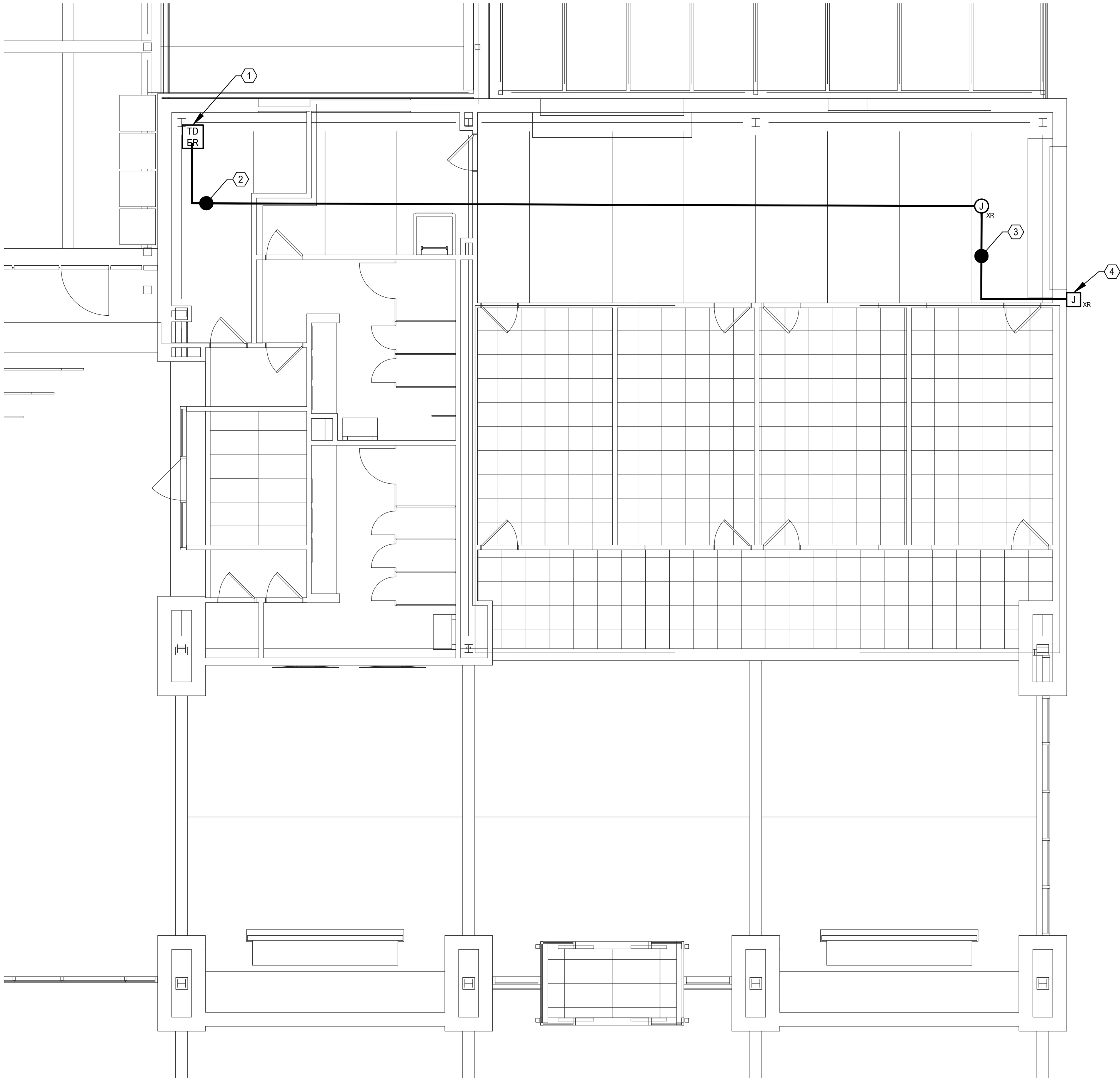
HAGERSTOWN REGIONAL AIRPORT
Washington County, MD

PROJECT TITLE:	ARFF DEMOLITION; AOA FENCE/ACCESS GATE REALIGNMENT	
SHEET TITLE:	SITE PLAN	
SCALE:	AS SHOWN	DATE: APRIL 2025

FAA AIP No.: 324-0019-071-2024
Bid No.: PUR-1744

SHEET NO.: **E0.2**

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1
E0.3
TERMINAL BUILDING
NOT TO SCALE

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.

CONSULTANT:

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LICENSE NO. 45511
EXPIRATION DATE: 6/3/26

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CPM

APPROVED:

CPM

REVISION

NO.

REVISION

DATE

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:

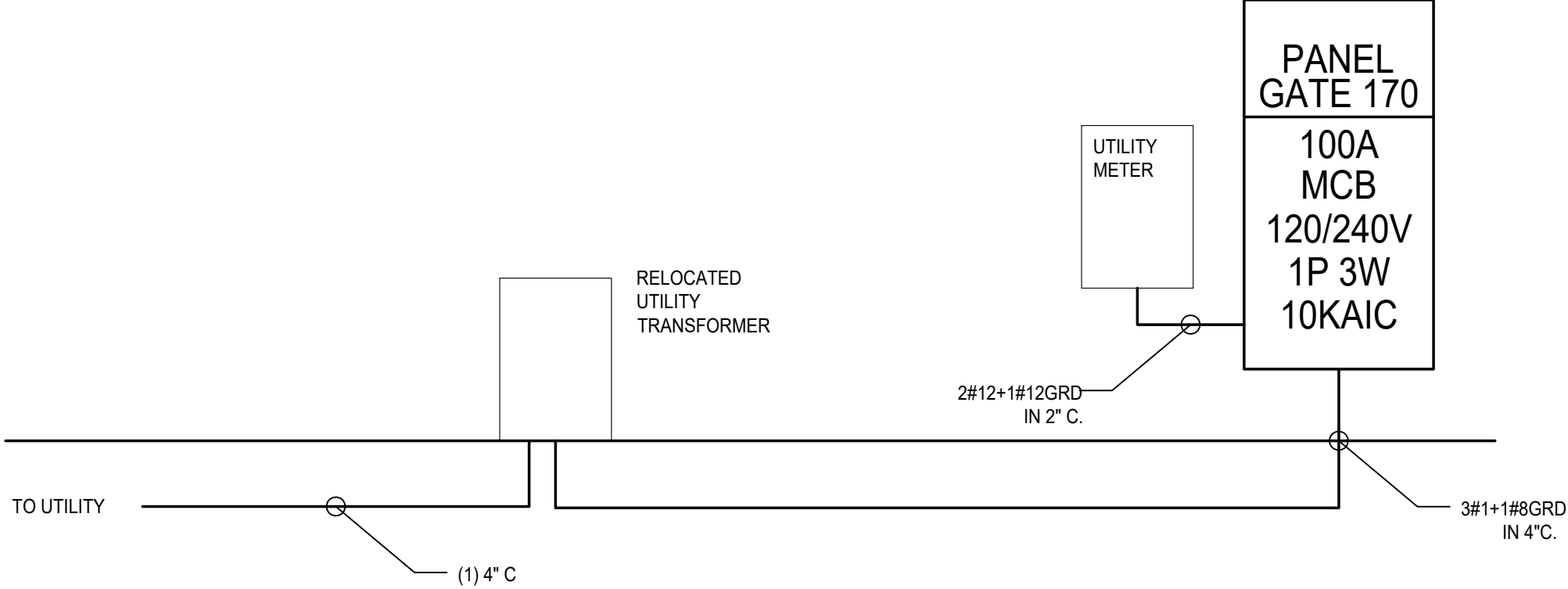
APRIL 2025

FAA AIP No.:
324-0019-071-2024
Bid No.: PUR-1744

SHEET NO.:

E0.3


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1
E0.4 ELECTRICAL RISER DIAGRAM
NOT TO SCALE

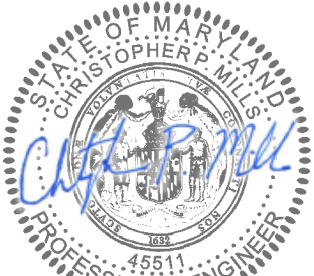
PANELBOARD GATE 170										SURFACE MOUNTED									
100 AMP MAIN CIRCUIT BREAKER										100 AMP TRIP									
M.C.B. TYPE:										PROVIDE 10,000 AIC									
240 / 120 1 Phase 3 Wire 60 HZ 125 AMP BUS																			
CKT.	CKT. BKR.		WIRE	GND	CON	LOAD SERVED	LOAD [kVA]		LOAD [kVA]		LOAD SERVED	CON	GND	WIRE	CKT. BKR.		CKT.		
							A	B	A	B									
1	30	2	10	10	3/4"	ACCESS GATE	1.40		1.40		ACCESS GATE	3/4"	10	10	2	30	2		
3								1.40		1.40							4		
5	20	2	12	12	3/4"	HEAT TRACING	0.90		0.90		HEAT TRACING	3/4"	12	12	2	20	6		
7								0.90		0.90							8		
9	20	1	12	12	3/4"	SECURITY DEVICES	0.10				SPARE				1	20	10		
11	20	1	12	12	3/4"	OBSTRUCTION LIGHTS		0.10			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															1		28		
29	100	2				MAIN BREAKER									1		30		
PHASE CONNECTED LOAD [kVA] TOTAL CONNECTED LOAD [kVA] TOTAL CONNECTED LOAD [A]							2.40	2.40	2.30	2.30	NON-CONTINUOUS LOAD [kVA] @ 100%					0.00			
							A	4.70	B	4.70	CONTINUOUS LOAD [kVA] @125%					0.25			
							9.40				RECEPTACLE LOAD [kVA]					0.00			
							39.17				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 [KVA]					10.15			
TOTAL DIVERSIFIED LOAD [A]							42.29												

CONSULTANT:



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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:

APRIL 2025

FAA AIP No.: 324-0019-071-2024
Bid No.: PUR-1744

SHEET NO.: E0.4

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FILE NAME: L:\23\23-0826 HGR Airport Air-Field Access Gate\23-0826 Drawings\23-0826 Electrical Drawings\23-0826-E0.4.dwg LAYOUT NAME: E0.4 USER: adevore PLOTTED: Monday, March 31, 2025 - 1:09pm