ITEM NO. 24A IDOT LETTING: JULY 29, 2016

CONSTRUCTION PLANS

WILDLIFE MITIGATION MEASURES PER FAR PART 139 REQUIREMENTS

QUINCY REGIONAL AIRPORT - BALDWIN FIELD QUINCY, ADAMS COUNTY, ILLINOIS

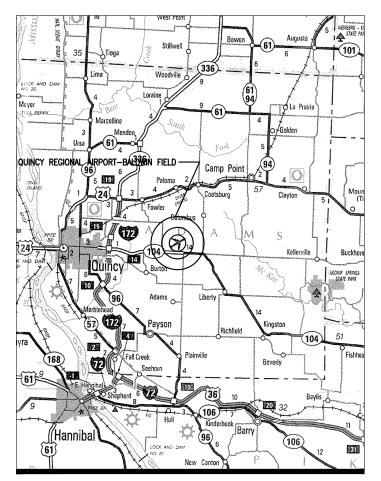
IDA PROJECT NO. UIN-4486 AIP PROJECT NO. 3-17-0085-XXX

SCOPE OF WORK

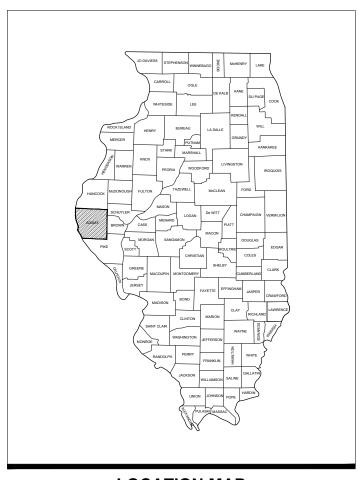
THIS PROJECT CONSISTS OF INSTALLING FENCE SKIRTING AROUND THE PERIMETER FENCE, AND OTHER MEANS OF WILDLIFE DETERRENTS.

NOTICE TO CONTRACTORS AND BIDDERS

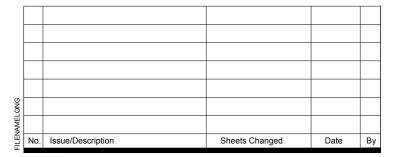
THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.

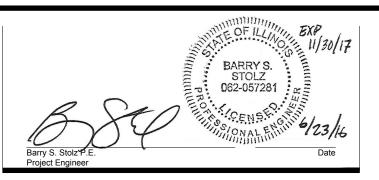


VICINITY MAP



LOCATION MAP







QUINCY REGIONAL AIRPORT BALDWIN FIELD Quincy, Adams County, Illinois

SUMMARY OF QUANTITIES — BASE BID						
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES		
AR156540	RIPRAP	S.Y.	220			
AR162900	REMOVE CLASS E FENCE	L.F.	530			
AR162905	REMOVE GATE	EA.	2			
AR752524	GRATING FOR CONC. FES 24"	EA.	1			
AR800512	FAA GP-60 ENGINEER'S FIELD OFFICE	L.S.	1			
AR800513	FAA GP-105 MOBILIZATION	L.S.	1			
AR800514	FAA F-162 CHAIN-LINK FENCE, 10'	L.F.	375			
AR800515	FAA F-162 CHAIN-LINK FENCE, 4'	L.F.	158			
AR800516	FAA F-162 CHAIN-LINK FENCE, 6'	L.F.	30			
AR800517	FAA F-162 GATE, 4' HIGH, 12' WIDE	EA.	1			
AR800518	FAA F-163 CHAIN-LINK FENCE SKIRT	L.F.	22,827			
AR800519	AGGREGATE BARRIER	L.F.	23,132			
AR800520	GATE MODIFICATIONS	EA.	7			
AR800521	ANIMAL GUARD FOR 12" HDPE PIPE	EA.	1			
AR800522	LARGE CULVERT PROTECTION	L.S.	1			
AR800523	POND BIRD NETTING	L.S.	1			
AR800524	TERMINAL MODIFICATIONS — AREA A	L.S.	1			
AR800525	TERMINAL MODIFICATIONS — AREA B/C	L.S.	1			

SUMMARY OF QUANTITIES — ADDITIVE ALTERNATE BIDS						
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES		
	ADDITIVE ALTERNATE NO. 1					
AS800526	UPGRADE TERM. MODS. – AREA B	L.S.	1			
	ADDITIVE ALTERNATE NO. 2					
AT800527	UPGRADE TERM. MODS. — AREA C	L.S.	1			

CERTIFIED PAYROLLS

THE RESIDENT ENGINEER/TECHNICIAN **CANNOT** FORWARD CONSTRUCTION REPORTS TO THE OWNER FOR PROCESSING UNTIL **ALL CERTIFIED PAYROLLS** FOR THE PERIOD HAVE BEEN RECEIVED.

MATERIAL CERTIFICATION

MATERIALS TO BE INCORPORATED INTO THE PROJECT CANNOT BE USED WITHOUT PRIOR APPROVAL. ALL MATERIALS TO BE USED IN THE PROJECT MUST BE SUBMITTED TO THE RESIDENT ENGINEER/TECHNECIAN FOR APPROVAL. USE OF MATERIALS WITHOUT PRIOR APPROVAL AND ULTIMATELY DETERMINED TO BE UNACCEPTABLE BY THE ILLINOIS DIVISION OF AERONAUTICS ARE SUBJECT TO REMOVAL AND/OR NON-PAYMENT.

STORM WATER POLLUTION PREVENTION NOTES

- 1. THE CONTRACTOR SHALL IMPLEMENT ALL PROVISIONS OF THE CONTRACT DOCUMENTS TO ASSURE THAT STORM WATER POLLUTION PREVENTION ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY MANNER. SEDIMENTATION MUST NOT BE TRANSPORTED OFF THE CONSTRUCTION SITE. PERMANENT DRAINAGE FEATURES AND VEGETATIVE MEASURES SHALL BE PROVIDED AS SOON AS POSSIBLE.
- 2. THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT AND MAINTAIN STORM WATER POLLUTION PREVENTION PRACTICES AND MEASURES PRIOR TO THE STRIPPING OF EXISTING VEGETATION WHERE EVER POSSIBLE AND AS SOON AS CONSTRUCTION PERMITS IN OTHER AREAS. POLLUTION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, INCLUDING THESE CONSTRUCTION PLANS. THE CONTRACTOR SHALL ADJUST HIS OPERATIONS AND IMPLEMENT POLLUTION CONTROL MEASURES SO THAT NO RUNOFF FROM STRIPPED AREAS WILL LEAVE THE CONSTRUCTION SITE OTHER THAN THROUGH SEDIMENT TRAPS OR OTHER SUITABLE CONTROL MEASURES.
- 3. THE CONTRACTOR IS TO MAINTAIN AND ADJUST, REPAIR OR REPLACE ALL STORM WATER POLLUTION PREVENTION MEASURES AS REQUIRED OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. MAINTENANCE OF POLLUTION CONTROL MEASURES IS TO BE PROVIDED AT NO ADDITIONAL COST TO THE CONTRACT.

EARTHWORK NOTES

- 1. MINOR EARTHWORK AND GRADING WILL BE NECESSARY FOR THIS PROJECT. HOWEVER THIS WORK IS ANTICIPATED TO BE MINIMAL AND CONSIST OF EXCAVATION FOR INSTALLATION AND PLACEMENT OF FENCE SKIRT AND RIP—RAP MATERIAL, AND FINISH GRADING ONCE ALL INSTALLATION AND PLACEMENT OF MATERIAL HAS BEEN COMPLETED. THEREFORE EARTHWORK WILL BE CONSIDERED INCIDENTAL TO THE INSTALLATION AND PLACEMENT OF THE PROPOSED FENCE SKIRT AND RIP—RAP MATERIAL AND NO ADDITIONAL COMPENSATION IS PERMITTED.
- 2. THE GRADING REQUIREMENTS SHALL INCLUDE WHATEVER IS NECESSARY TO RESTORE THE SURFACE TO ITS ORIGINAL CONDITION AFTER PROPOSED FENCE SKIRT AND RIP—RAP MATERIAL HAVE BEEN PROPERLY INSTALLED. GRADING SHALL BE PERFORMED TO THE SATISFACTION OF THE RESIDENT ENGINEER/TECHNICIAN.
- 3. EXCESS MATERIAL FROM EXCAVATION SHALL BE PLACED AT AN APPROVED LOCATION ON THE AIRPORT PROPERTY, AS DIRECTED BY
- 4. THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE AND INSPECT THE PROPOSED ALIGNMENT TO ENSURE HIS BID WILL ADEQUATELY COVER THE REQUIREMENTS OF THE PROJECT.

SEEDING AND MULCHING NOTES

1. ALL DISTURBED AREAS ALONG THE PROPOSED ALIGNMENT SHALL BE SEEDED AND FERTILIZED IN ACCORDANCE WITH THE APPROPRIATE SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE TO SEED AND MULCH ALL AREAS THAT ARE DISTURBED DURING CONSTRUCTION. SEEDING AND MULCHING WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH SPECIFICATIONS T-901 SEEDING AND T-908 MULCHING.

INDEX TO SHEETS Sheet Sheet Title Number **COVER SHEET** SUMMARY OF QUANTITIES AND INDEX TO SHEETS PROPOSED SCOPE OF WORK PLAN PROPOSED CONSTRUCTION SAFETY PLAN CONSTRUCTION SAFETY DETAILS AND NOTES PROPOSED CONSTRUCTION PLAN SHEET 1 PROPOSED CONSTRUCTION PLAN SHEET 2 PROPOSED CONSTRUCTION PLAN SHEET 3 PROPOSED CONSTRUCTION PLAN SHEET 4 PROPOSED CONSTRUCTION PLAN SHEET 5 10 PROPOSED CONSTRUCTION PLAN SHEET 6 11 12 PROPOSED CONSTRUCTION PLAN SHEET 7 13 PROPOSED CONSTRUCTION PLAN SHEET 8 14 PROPOSED CONSTRUCTION PLAN SHEET 9 PROPOSED CONSTRUCTION PLAN SHEET 10 PROPOSED CONSTRUCTION PLAN SHEET 11 PROPOSED FENCING DETAILS PROPOSED FENCE SKIRTING DETAILS 18 PROPOSED FENCE SKIRTING NOTES 19 PROPOSED MISCELLANEOUS DETAILS 20 EXISTING FENCE DETAILS (FOR REFERENCE) 21 TERMINAL MODIFICATIONS PLAN 22 TERMINAL MODIFICATIONS DETAILS

J.U.L.I.E. INFORMATION

COUNTY	ADAMS
CITY	QUINCY
TOWNSHIP	GILMER
SECTION NO	34
ADDRESS	QUINCY REGIONAL AIRPORT-BALDWIN FIELD
	1645 LICUWAY 104

QUINCY, ILLINOIS 62301

UTILITY NOTE

THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE LITHITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123. CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND LITHLITIES. LOCATION OF FAA POWER CONTROL AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND/OR LOCATED BY THE FAA. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

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Illinois Licensed Professional Service Corporation #184-001084

Quincy Regional Airport Baldwin Field





Wildlife Mitigation Measures per FAR Part 139 Requirements

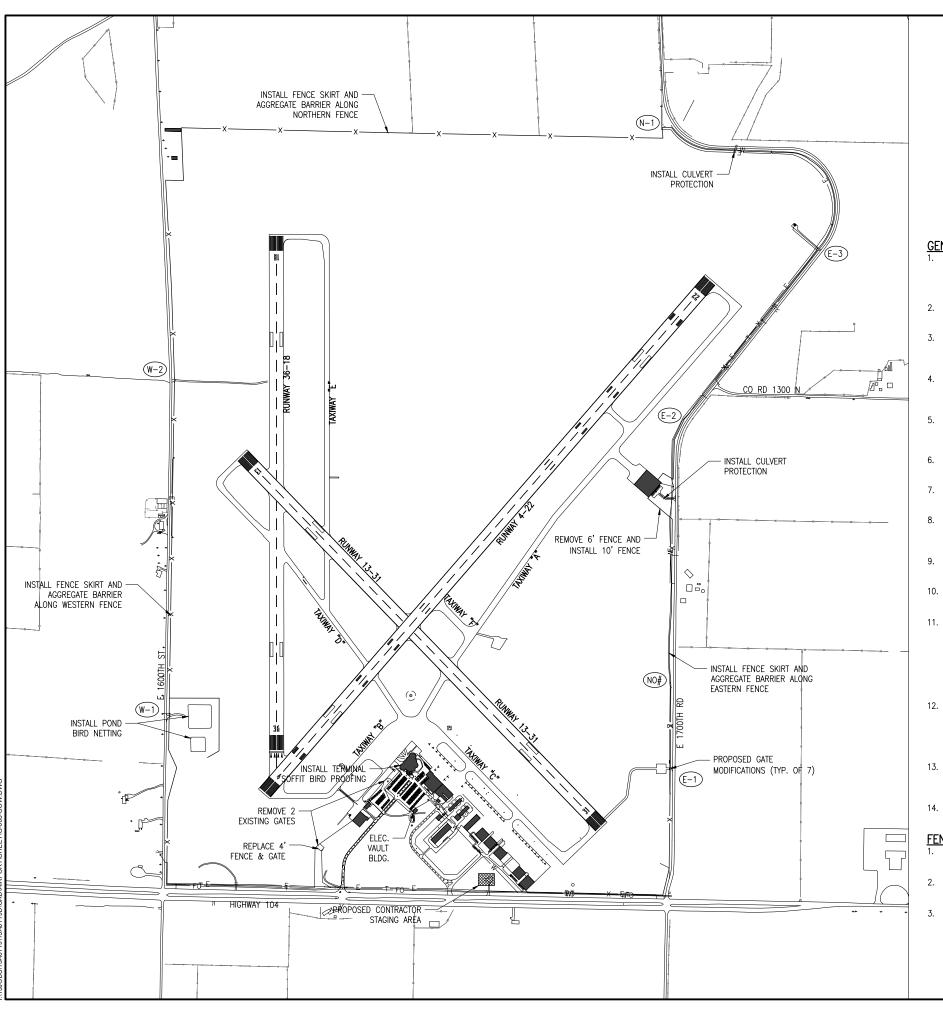
IDA No: UIN-4486 Contract No. QI 062

NO.	DATE	DESCRIPTION				
INO.	DATE	DES	DWN	REV		
ISSUE:	JUNE 2	3, 2016	3			
PROJEC	PROJECT NO: 15A0119D					
CAD FILE: G-002FLP.DWG						
DESIGN	DESIGN BY: CWS 05/10/2016					

SUMMARY OF QUANTITIES AND INDEX TO SHEETS

DRAWN BY: CWS 05/10/2016

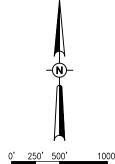
REVIEWED BY:







EXISTING GATE NUMBER



0' 250' 500' 1000 HALF SIZE SCALE: 1"= 1000 FULL SIZE SCALE: 1"= 500'

GENERAL NOTES

- . THE SCOPE OF WORK NOTED ON THIS SHEET IS INTENDED ONLY AS A GENERAL DESCRIPTION OF WORK ITEMS AND THEIR APPROXIMATE LOCATIONS AND LIMITS, FOR THE PURPOSE OF UNDERSTANDING THE SCOPE OF THE PROJECT. REFER TO THE FOLLOWING PLAN SHEETS FOR DETAILED CONSTRUCTION REQUIREMENTS, LOCATIONS, AND ITEMS OF WORK
- 2. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, AND TRANSPORTATION NECESSARY TO CONSTRUCT ALL ELEMENTS OF THE PROJECT AS DESCRIBED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS.
- THE RULES, REGULATIONS, AND SPECIFICATIONS ENUMERATED HEREIN SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS. THEY SHALL NOT PROHIBIT THE CONTRACTOR FROM FURNISHING AND INSTALLING HIGHER GRADES OF MATERIAL THAN ARE SPECIFIED HEREIN.
- 4. THE CONSTRUCTION ENTRANCES AS SHOWN ON THE SCOPE OF WORK AND/OR SAFETY PHASING PLAN ARE ONLY TO BE USED FOR THE PROJECT. ACCESS TO THE PROJECT FOR ALL HAULING OF MATERIALS AND EQUIPMENT SHALL BE COORDINATED WITH THE OWNER THROUGH THE RESIDENT ENGINEER/TECHNICIAN.
- 5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT, PRESERVE AND REPAIR THE EXISTING AIRFIELD AND ROADWAY PAVEMENTS AT ALL TIMES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING ELECTRICAL, DRAINAGE, AND PAVEMENT STRUCTURES AT NO ADDITIONAL COST TO THE CONTRACT.
- 6. NO EQUIPMENT SHALL BE PERMITTED TO CROSS OR USE ANY EXISTING PAVEMENT OUTSIDE THE CONSTRUCTION LIMITS. GENERAL PROJECT AREA OR HAUL ROUTE.
- 7. ALL WASTE MATERIAL SHALL BE HAULED FROM THE AIRPORT AND PROPERLY DISPOSED OF UNLESS OTHERWISE SPECIFIED HEREIN
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR HAULING ON PUBLIC ROADS, AS APPLICABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGES TO ANY PAVEMENTS (PUBLIC OR PRIVATE) CAUSED BY HIS/HER CONSTRUCTION EQUIPMENT OR PERSONNEL.
- 9. THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT.
- 10. THE CONTRACTOR SHALL PROVIDE ONE SET OF REDLINED AS-BUILT DRAWINGS TO THE RESIDENT ENGINEER/TECHNICIAN AT THE COMPLETION OF THE PROJECT.
- 11. CONTRACTOR SHALL NOTE THAT ALL AREAS WITHIN THE AIRPORT PROPERTY LINE AND OUTSIDE THE CONSTRUCTION LIMITS MAY BE USED FOR AGRICULTURAL PURPOSES. THE CONSTRUCTION LIMITS SHALL BE RESTRICTED TO AREAS THAT ARE ABSOLUTELY NECESSARY TO DISTURB TO COMPLETE THE REQUIRED WORK ITEMS. LIMITS SHALL BE COORDINATED WITH THE RESIDENT ENGINEER/TECHNICIAN PRIOR TO BEGINNING ANY WORK. ALL AREAS WHICH HAVE BEEN FARMED AND OR DESIGNATED TO BE FARMED AFTER THE PROJECT COMPLETION, AND HAVE BEEN DISTURBED BY CONSTRUCTION ACTIVITY, SHALL BE CHISEL PLOWED (36" MAX.) OR OTHERWISE SCARIFIED TO RETURN THE AREA TO A REASONABLE TILLABLE CONDITION (IF SO PERMITTED BY THE AIRPORT MANAGER.)
- 12. CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION ALL GRASS, STONE, OR PAVEMENT DISTURBED BY CONTRACTOR'S CONSTRUCTION OPERATIONS, STAGING, AND CONSTRUCTION ACCESS ROUTES. DISTURBED AREAS TO BE REPAIRED, GRADED, AND MULCHED SEEDED UNLESS OTHERWISE NOTED. STAGING AREA AND SITE ACCESS RESTORATION SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 13. THE PROJECT PAY ITEMS ARE INTENDED TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PLANS. ALL INCIDENTAL WORK REQUIRED TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE RESIDENT ENGINEER/TECHNICIAN IS TO BE INCLUDED IN THE COSTS OF PERFORMING THESE ITEMS.
- 14. THE CONTRACTOR MUST AT ALL TIMES MAINTAIN PROPER DRAINAGE FOR ALL AREAS AFFECTED BY HIS WORK.

FENCE SKIRTING SCOPE NOTES

- ALL PROPOSED FENCE SKIRTING AND AGGREGATE BARRIER SHALL BE INSTALLED ON THE OUTSIDE OF THE EXISTING PERIMETER FENCE, UNLESS OTHERWISE SPECIFIED.
- 2. THE EXISTING GAP BETWEEN THE BOTTOM OF THE EXISTING 10' HIGH FENCE AND THE EXISTING GROUND IS AN AVERAGE OF SIX (6) INCHES. GAP DIMENSIONS AT SOME LOCATIONS MAY VARY AND SHALL BE FIELD VERIFIED.
- 3. AT VARIOUS LOCATIONS AROUND THE PERIMETER, THE AIRPORT HAS PLACED A QUANTITY OF CHAIN-LINK FENCE FABRIC, AGGREGATE, RIP RAP, OR CONCRETE/ASPHALT DEBRIS AS A MEANS OF TEMPORARILY BLOCKING LARGER GAPS BELOW THE BOTTOM OF THE FENCE. THE ADDITIONAL FENCE FABRIC IS TIED TO EXISTING AND IN SOME CASES SECURED WITH DRIVEN POSTS/BRACES. MATERIAL INSIDE THE FENCELINE MAY REMAIN IN PLACE UNLESS OTHERWISE NOTED. MATERIAL OUTSIDE THE FENCELINE AND IN CONFLICT WITH PROPOSED CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR TO FACILITATE PROPER FENCE SKIRT INSTALLATION, AT NO ADDITIONAL COST TO HE CONTRACT.



Offices Nationwide

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Quincy Regional Airport Baldwin Field Quincy, Adams County, Illinois



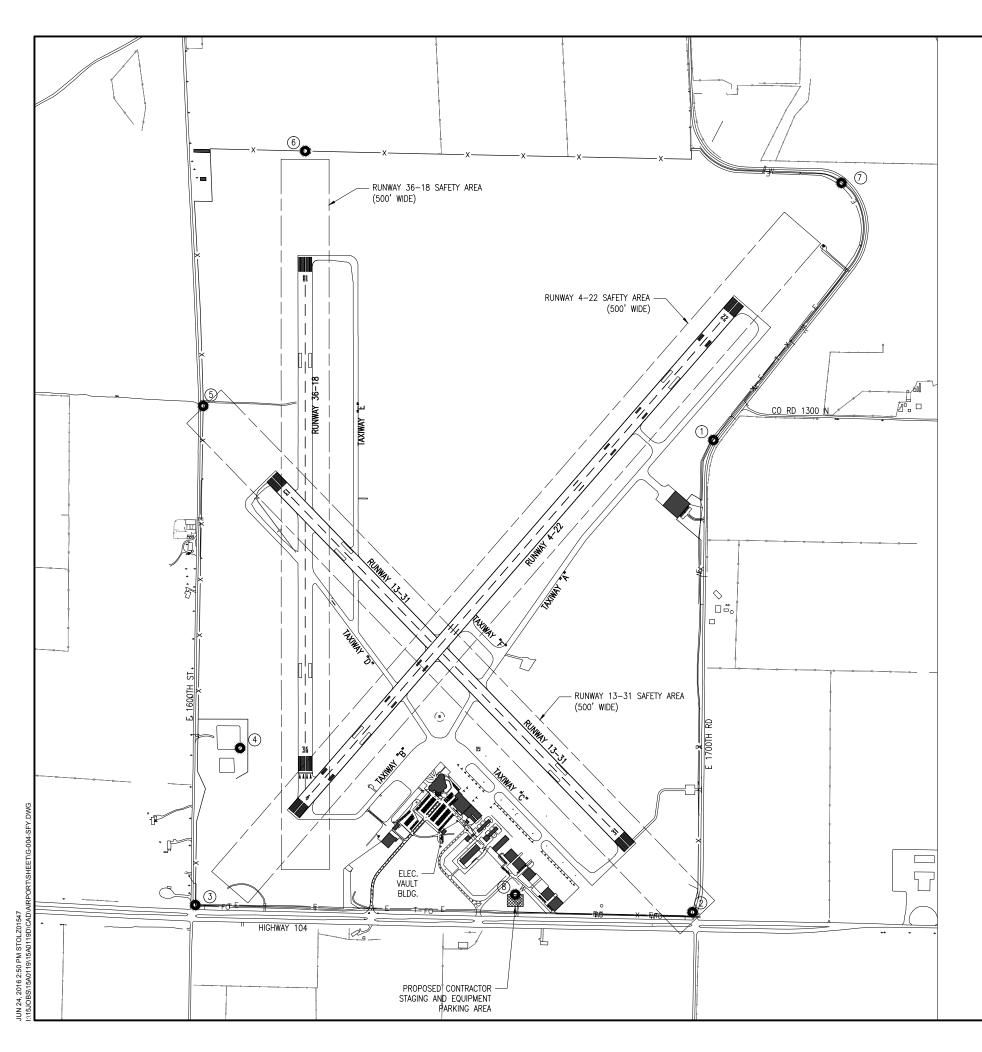


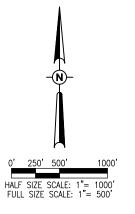
Wildlife Mitigation Measures per FAR Part 139 Requirements

IDA No: UIN-4486 Contract No. QI 062

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ISSUE:	JUNE 2	3, 2016	3			
PROJEC	T NO: 1	5A011	9D			
CAD FIL	E: G-00	3-SOV	V.DWG	;		
DESIGN	BY: CW	/S 05/	10/201	6		
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PROPOSED SCOPE OF WORK PLAN





LEGEND

EXISTING BUILDINGS

PROPOSED CONTRACTOR
STAGING AREA AND HAUL ROAD

EXISTING IMPROVEMENTS

EXISTING FENCE

RUNWAY SAFETY AREA
(500' WIDE)

(1) CRITICAL POINT

CONSTRUCTION ACCESS AND VEHICLE PARKING

- THE PROPOSED CONTRACTOR STAGING AND EQUIPMENT PARKING AREA WILL BE AT THE LOCATION SHOWN ON THIS SHEET. THERE ARE OTHER SMALL AREAS INSIDE SOME OF THE GATES IN THE PERIMETER FENCE THAT MAY BE AVAILABLE FOR USE AS TEMPORARY MATERIAL STORAGE THROUGH COORDINATION WITH THE AIRPORT. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE STAGING AREA(S) THROUGHOUT THE COURSE OF THE PROJECT. ANY AREAS DAMAGED OUTSIDE OF THE DESIGNATED STAGING AREA(S) WILL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. AT THE CONCLUSION OF THE PROJECT THE CONTRACTOR WILL PERFORM ANY AND ALL WORK NECESSARY TO RESTORE THE CONTRACTOR STAGING AND EQUIPMENT PARKING AREA(S) TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 2. THE MAJORITY OF THE CONSTRUCTION WORK WILL TAKE PLACE IN THE PUBLIC AREA OUTSIDE OF THE PERIMETER FENCE. ITEMS OF WORK THAT REQUIRE ACCESS TO THE SECURED SIDE OF THE PERIMETER FENCE WILL REQUIRE ESCORT BY AIRPORT REPRESENTATIVE AND/OR RESIDENT ENGINEER/TECHNICIAN, AND SHALL BE COORDINATED IN ADVANCE.

AIRPORT SECURITY

- 1. AIRPORT SECURITY SHALL BE MAINTAINED THROUGHOUT THE PROJECT. THE CONTRACTOR WILL BE RESTRICTED TO THE DESIGNATED WORK AREAS.
- 2. THE CONTRACTOR MUST ENSURE THAT ACCESS POINTS USED BY CONSTRUCTION VEHICLES AND PERSONNEL ARE MONITORED WHEN OPEN AND LOCKED WHEN NOT IN USE TO PREVENT UNAUTHORIZED ACCESS TO THE MOVEMENT AREA. GATES SHALL BE OPEN ONLY WHEN ENTERING AND EXITING
- THE CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO PROTECT POSSIBLE ACCESS POINTS DURING THE EXCAVATION AND INSTALLATION OF THE FENCE SKIRTING FROM ANY UNAUTHORIZED PERSONNEL AND OR WILDLIFE

CRITICAL POINTS							
DESCRIPTION	LATITUDE	LONGITUDE	GROUND ELEVATION	EQUIP. HEIGHT	EQUIP. ELEV.		
CP#1	039* 56' 53.499"	91° 10' 58.160"	759'	25'	784''		
CP#2	039* 56' 00.627"	91° 11' 04.854"	768'	25'	793'		
CP#3	039* 56' 00.724"	91° 12′ 11.3104″	749'	25'	774'		
CP#4	039 56 00.932"	91° 12' 05.5565"	755'	25'	780'		
CP#5	039* 56' 52.181"	91° 12' 11.108"	764'	25'	789'		
CP#6	039* 57' 18.518"	91° 11' 57.790"	750'	25'	775'		
CP#7	039 57 15.902"	91° 10′ 45.924″	740'	25'	765'		
CP#8	039* 55' 46.227"	91* 11' 26.984"	768'	25'	793'		



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Quincy Regional Airport Baldwin Field





Wildlife Mitigation Measures per FAR Part 139 Requirements

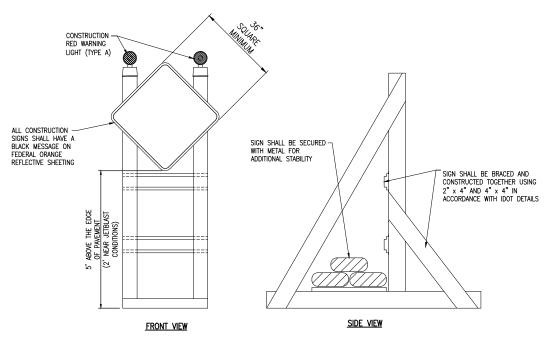
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SHEET TITLE

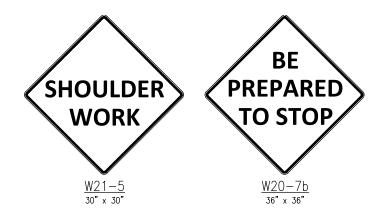
REVIEWED BY:

PROPOSED CONSTRUCTION SAFETY PLAN



SIGNAGE NOTES

- ALL CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES INCLUDING THE ILLINOIS SUPPLEMENT (LATEST EDITION) AND THE FAA ADVISORY CIRCULARS (LATEST EDITION) UNLESS NOTED OTHERWISE. THE FAA OR MORE STRINGENT SPECIFICATIONS SHALL GOVERN.
- 2. UNLESS OTHERWISE SPECIFIED, CONSTRUCTION SIGNS SHALL BE MOUNTED ON PORTABLE OR NON-PORTABLE SUPPORTS. A PORTABLE SUPPORT IS DEFINED AS A TYPICAL SIGN STANDARD AS SHOWN ON THIS SHEET, OR A SMALL LIGHT WEIGHT TRAILER. A NON-PORTABLE SUPPORT IS DEFINED AS DRIVEN METAL OR WOOD POST. ALL SIGNS, REGARDLESS OF THE TYPE OF SUPPORTS USED, SHALL BE MOUNTED SUCH THAT THE MESSAGE ON THE SIGN IS LEVEL IN THE HORIZONTAL PLANE AFTER PLACEMENT. THE COST OF CONSTRUCTION WARNING LIGHTS SHALL BE INCLUDED IN THE COST OF THE CONSTRUCTION SIGNS.
- CONSTRUCTION RED WARNING LIGHT: THESE ARE PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT EMITTED SHALL BE RED. THEY ARE TO BE USED IN A LOW INTENSITY FLASHING MODE (TYPE A).
- 4. THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR AFTER SUNSET AND 1/2 HOUR BEFORE SUNRISE AND WHEN CONDITIONS EXIST WHICH TEND TO OBSCURE VISION
- COST FOR PROVIDING, PLACING, MAINTAINING, AND REMOVING SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.



CONSTRUCTION SIGNS

NOTE: EXAMPLES SHOWN ABOVE. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SIGNAGE ALONG ACTIVE WORK AREAS TO PROTECT THE SAFETY OF CONSTRUCTION PERSONNEL AND THE ADJACENT PUBLIC TRAFFIC.

SAFETY NOTES

- FOLLOWING ARE THE CONSTRUCTION SAFETY PROCEDURES THAT THE CONTRACTOR SHALL FOLLOW THROUGHOUT THIS PROJECT.
 ADDITIONAL REQUIREMENTS ARE SHOWN ON THE CONSTRUCTION SAFETY AND PHASING PLAN SHEET AND THIS SHEET.
- 2. ALL PROVISIONS OF THE LATEST EDITION OF FAA ADVISORY CIRCULAR AC 150/5370-2 (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN, OR AS MODIFIED BY THE OWNER THROUGH THE RESIDENT ENGINEER/TECHNICIAN AT THE PRECONSTRUCTION CONFERENCE, OR DURING THE COURSE OF THE CONTRACT
- THE CONTRACTORS SHALL MINIMIZE DISRUPTION OF STANDARD OPERATING PROCEDURES FOR AERONAUTICAL ACTIVITY BY REMAINING WITHIN THE PRESCRIBED STAGING, CONSTRUCTION, AND PHASING AREAS PRESENTED ON THE CONSTRUCTION SAFETY AND PHASING PLAN SHEETS.
- 4. NO UNAUTHORIZED PERSONNEL SHALL ENTER ANY AREA OF THE AIRPORT THAT COULD POTENTIALLY BE HAZARDOUS. THE AIRPORT MANAGER RESERVES THE RIGHT TO SUSPEND OPERATIONS IN ORDER TO MAINTAIN SAFETY AT THE AIRPORT.
- CONTRACTOR EQUIPMENT, VEHICLES, AND PROJECT MATERIALS SHALL BE STORED AT THE STAGING AREA SHOWN ON THE PLAN VIEW, EXCEPT AS OTHERWISE PROVIDED FOR AT THE PRECONSTRUCTION CONFERENCE.
- 6. ALL CONSTRUCTION EQUIPMENT OPERATING IN THE PRESCRIBED CONSTRUCTION AREA IS REQUIRED TO DISPLAY A CHECKERBOARD FLAG PROPERLY LOCATED OR A ROTATING BEACON (STROBE) AS SPECIFIED IN AC 150/5210-5, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT" LATEST EDITION.
- NO CONSTRUCTION MATERIAL STOCKPILES SHALL BE LOCATED WITHIN 250' OF ANY ACTIVE RUNWAY, WITHIN 93' OF ANY OTHER
 ACTIVE AIRPORT OPERATIONS AREA, OR PENETRATE A PART 77 IMAGINARY SURFACE (PROVIDED BY THE RESIDENT
 ENGINEER/TECHNICIAN) EXTENDING OUT AND UPWARDS FROM ALL SIDES OF AN ACTIVE RUNWAY.
- 8. CLOSED AIRFIELD PHASING AREAS, OPEN TRENCHES, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH LIGHTED BARRICADES WITH STEADY BURNING OR FLASHING RED LIGHTS AS SPECIFIED IN 150/5370-2, "OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION, LATEST EDITION. LIGHTED BARRICADES MUST BE NO TALLER THAN 18" (EXCLUSIVE OF SUPPLEMENTARY LIGHTS AND FLAGS) ON THE TAXIWAYS AND COMPLY WITH ADVISORY CIRCULAR 150/5370-2, LATEST EDITION. CONTRACTOR SHALL NIGHT CHECK BARRICADES DAILY FOR PROPER OPERATION.
- 9. NO OPEN TRENCHES WITHIN 250' OF AN ACTIVE RUNWAY CENTERLINE OR WITHIN 93' OF ANY AIRPORT OPERATIONS AREA WILL BE PERMITTED UNLESS PROPERLY MARKED. OTHER TRENCHES SHALL BE MAINTAINED SAFE, I.E., BARRICADED OR COVERED WITH STIFFI PLATES IN ALL OTHER AREAS.
- 10. OPEN TRENCHES, EXCAVATIONS, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHOULD BE PROMINENTLY MARKED WITH BARRICADES, ORANGE FLAGS AND LIGHTED WITH FLASHING RED LIGHTS DURING HOURS OF RESTRICTED VISIBILITY AND/OR DARKNESS.
- 11. NO CONSTRUCTION EQUIPMENT GREATER THAN 25' TALL WILL BE PERMITTED ON THE AIRPORT. HOWEVER OTHER EQUIPMENT TALLER THAN 25' MAY BE PERMITTED WITH THE APPROVAL OF THE AIRPORT MANAGER AND AIRSPACE APPROVAL BY THE FAA.
- 12. NO OPEN FLAME WELDING OR TORCH CUTTING OPERATION IS PERMITTED UNLESS. ADEQUATE FIRE AND SAFETY PRECAUTIONS ARE PROVIDED AND HAVE BEEN APPROVED BY THE AIRPORT MANAGER NO FLARE POTS ARE ALLOWED ON THE PROJECT.
- 13. SOIL, DEBRIS, AND LOOSE MATERIAL DROPPED OR TRUCKED ONTO AIRPORT ROADS, TAXIWAYS, AND SOD SURFACES, OR WHICH CAN BE BLOWN ONTO SUCH SURFACES, SHALL BE IMMEDIATELY SWEPT, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS. ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE OWNER.
- 14. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAINTAINING AIRPORT LIGHTING AND NAVIGATIONAL ELECTRICAL SYSTEMS DURING CONSTRUCTION. A CONTACT PERSON AND TELEPHONE NUMBER FOR 24 HOUR EMERGENCY IMMEDIATE REPAIR SHALL BE SUBMITTED TO THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN. HAUL ROUTES CROSSING PAVEMENT, DRAINAGE, MISCELLANEOUS. STRUCTURES AND/OR AIRFIELD CABLES SHALL BE PROTECTED FROM DAMAGE.
- 15. ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR
- 16. CONTRACTOR SHALL PLACE, SECURE, AND MAINTAIN LIGHTED BARRICADES AND CLOSURE CROSSES WHEN A RUNWAY/TAXIWAY/APRON IS CLOSED OR AS REQUIRED BY THE PLANS AND DESIGNATED BY THE RESIDENT FNGINFFR/TFCHNICIAN.
- 17. CONTRACTOR SHALL MARK HAZARDOUS AREA WITH STEADY-BURNING OR FLASHING RED LIGHTS DURING PERIODS OF LOW VISIBILITY AS DECILIBED.
- 18. THE CONTRACTOR SHALL PERIODICALLY PERFORM ONSITE INSPECTIONS THROUGHOUT THE DURATION OF THE PROJECT WITH THE IMMEDIATE REMEDY OF ANY DIFFERENCES, WHETHER CAUSED BY NEGLIGENCE, OVERSIGHT, OR PROJECT SCOPE CHANGE.
- 19. CONTRACTOR SHALL MOVE MAINTENANCE OF TRAFFIC COMPONENTS AT THE DIRECTION OF THE RESIDENT ENGINEER/TECHNICIAN AT NO ADDITIONAL COST.
- 20. CONTRACTOR SHALL NOT REMOVE THE BARRICADES WITHOUT THE APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN.
- 21. CONTRACTOR SHALL MAINTAIN FLASHERS, SIGNS AND/OR BARRICADES AS REQUIRED BY THE PLANS, CITY OR COUNTY REGULATIONS OR CONTRACTOR ACTIVITIES. CONTRACTOR SHALL OBTAIN ANY AND ALL REQUIRED LOCAL PERMITS UNLESS SPECIFIED OTHERWISE.
- 22. THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN AS NECESSARY TO CONTROL DUST.
- 23. NO CONSTRUCTION VEHICLES SHALL BE DRIVEN ACROSS ANY ACTIVE RUNWAY, INCLUDING TURF RUNWAYS. CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITY WILL NOT BE PERMITTED WITHIN 250' OF ANY ACTIVE RUNWAY CENTERLINE OR WITHIN 93' OF ANY OTHER ACTIVE AIRPORT TAXIWAY OR APRON. HOWEVER, CONSTRUCTION MAY BE PERMITTED IN THESE AREAS IF THE CONTRACTOR HAS GAINED APPROVAL FROM THE AIRPORT MANAGER AT LEAST 7 DAYS IN ADVANCE OF THE SCHEDULED CONSTRUCTION PERIOD AND THE OPERATIONAL AREA IS CLOSED TO TRAFFIC AND PROPER NOTAMS ARE ISSUED BY THE AIRPORT MANAGER TO THE APPROPRIATE FLIGHT SERVICE STATION.
- 24. UNLESS SPECIFIED OTHERWISE, COST FOR THE ABOVE IS TO BE CONSIDERED INCIDENTAL TO THE PROJECT. SEPARATE PAYMENT SHALL NOT BE MADE.

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Wildlife Mitigation Measures per FAR Part 139 Requirements

IDA No: UIN-4486 Contract No. QI 062

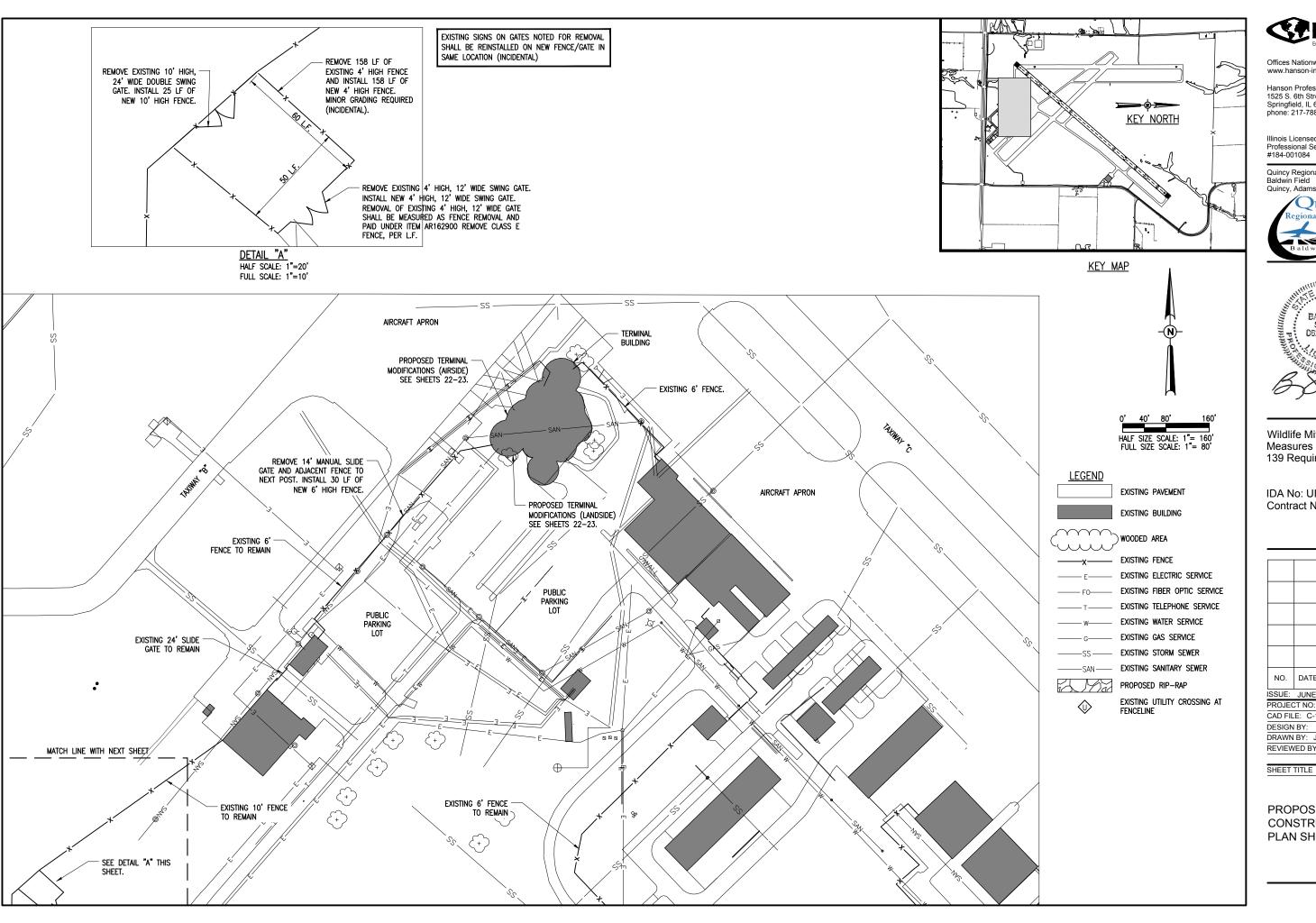
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PROJECT NO: 15A0119D						
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CONSTRUCTION SAFETY DETAILS

AND NOTES

DRAWN BY: CWS 05/10/2016

REVIEWED BY:





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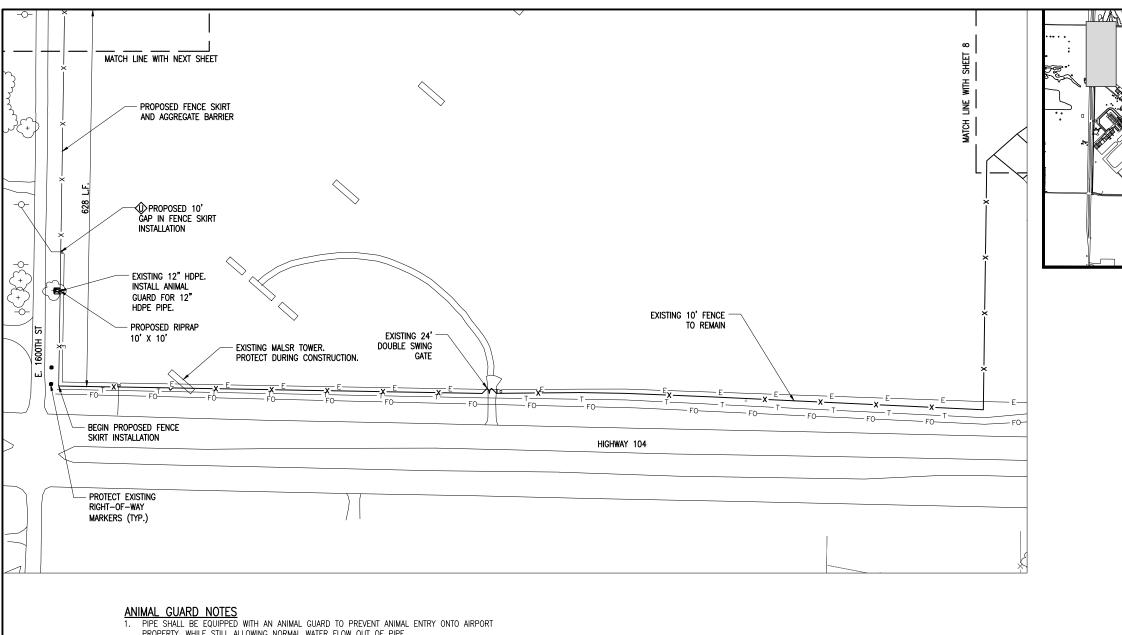




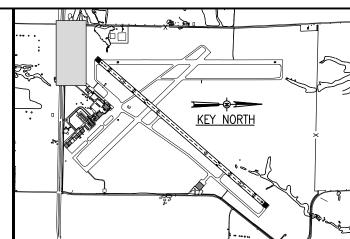
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REVIEW	/ED BY:				



- PROPERTY, WHILE STILL ALLOWING NORMAL WATER FLOW OUT OF PIPE.
- 2. CONTRACTOR SHALL FIELD VERIFY PIPE CONDITIONS AND DIMENSIONS PRIOR TO ORDERING MATERIAL.
- 3. INSTALL ANIMAL GUARD AS RECOMMENDED BY MANUFACTURER'S WRITTEN INSTRUCTIONS. INSTALLATION SHALL FIT PIPE PROPERLY WITH MINIMAL TO NO GAPS TO ALLOW ANIMAL ENTRY.
- 4. THE CONTRACTOR MAY USE THE FOLLOWING PRODUCTS OR APPROVED EQUAL: AGRI DRAIN CORPORATION "12-INCH RAT GUARD, STAINLESS STEEL" TIMEWELL DRAINAGE PRODUCTS "12-INCH ANIMAL GUARD"
- 5. THE ANIMAL GUARD AND ASSOCIATED ITEMS WILL BE PAID FOR UNDER ITEM AR800521 ANIMAL GUARD FOR 12" HDPE PIPE__PER EACH.



KEY MAP HALF SIZE SCALE: 1"= 160' FULL SIZE SCALE: 1"= 80'

LEGEND EXISTING PAVEMENT EXISTING BUILDING WOODED AREA

> — EXISTING FENCE EXISTING ELECTRIC SERVICE FO EXISTING FIBER OPTIC SERVICE ___ EXISTING TELEPHONE SERVICE _____ w____ EXISTING WATER SERVICE _____ G____ EXISTING GAS SERVICE

SAN EXISTING SANITARY SEWER PROPOSED RIP-RAP

> EXISTING UTILITY CROSSING AT FENCELINE

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Wildlife Mitigation Measures per FAR Part 139 Requirements

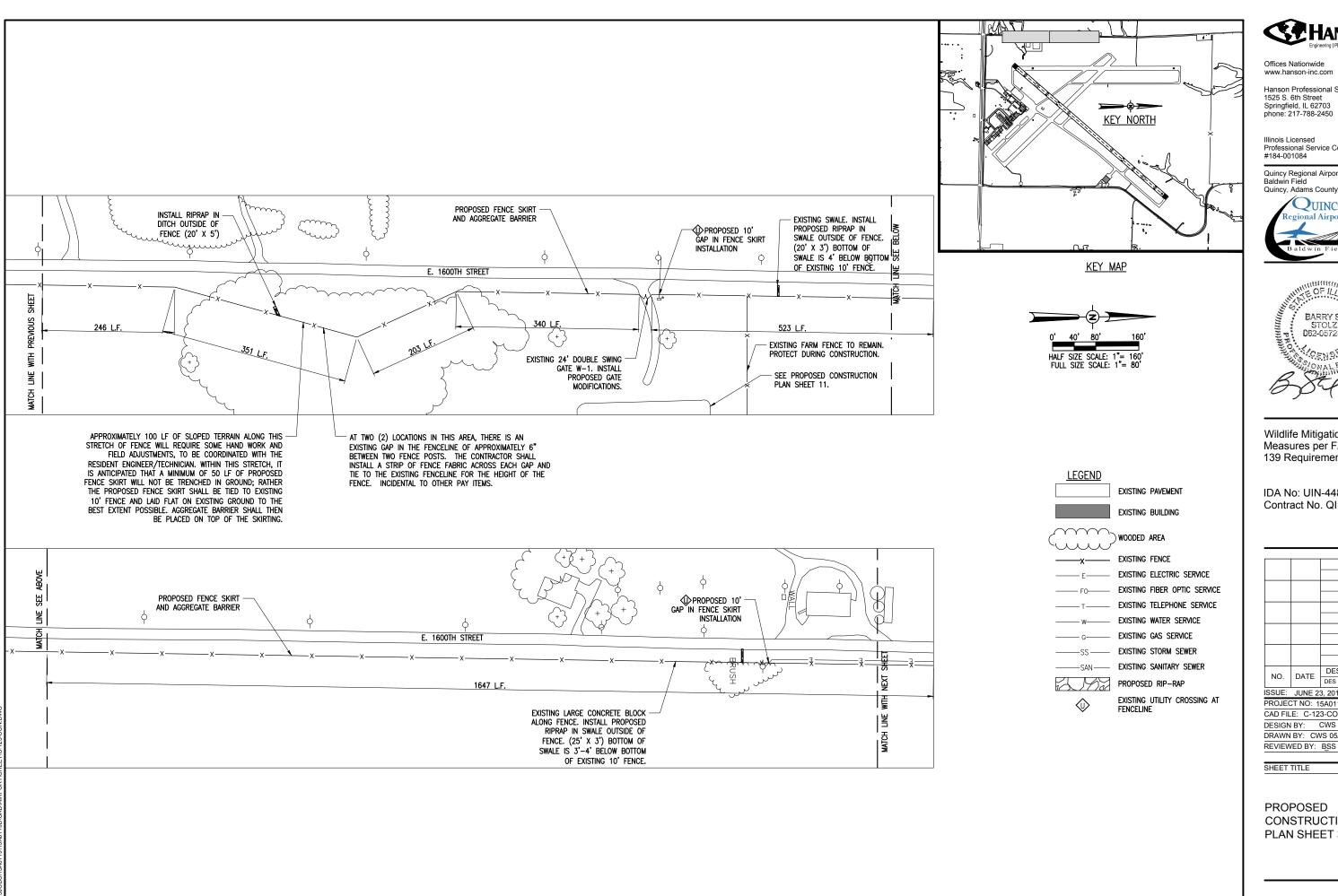
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PROPOSED CONSTRUCTION PLAN SHEET 2

SHEET TITLE

DRAWN BY: CWS 05/12/2016 REVIEWED BY: BSS



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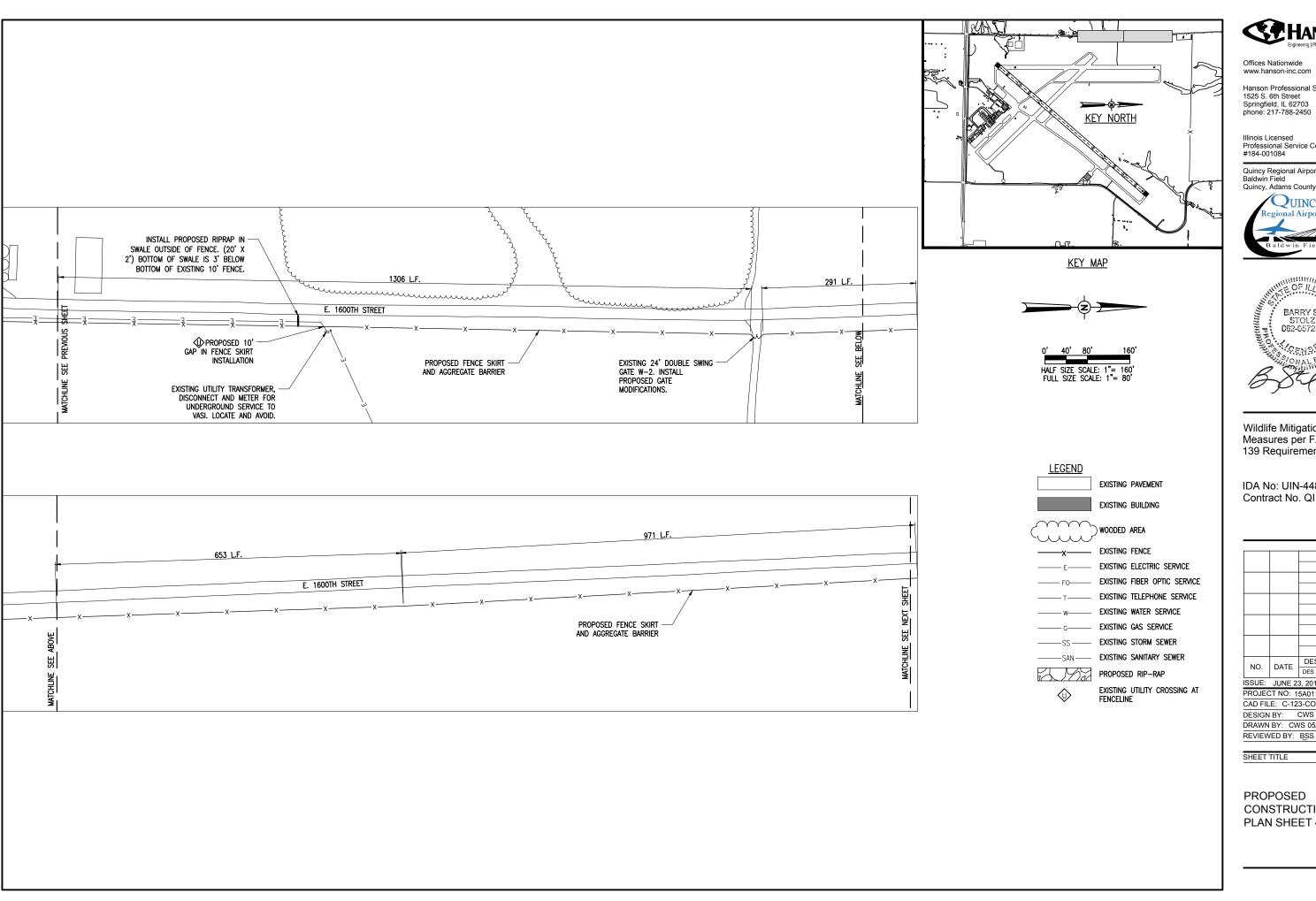




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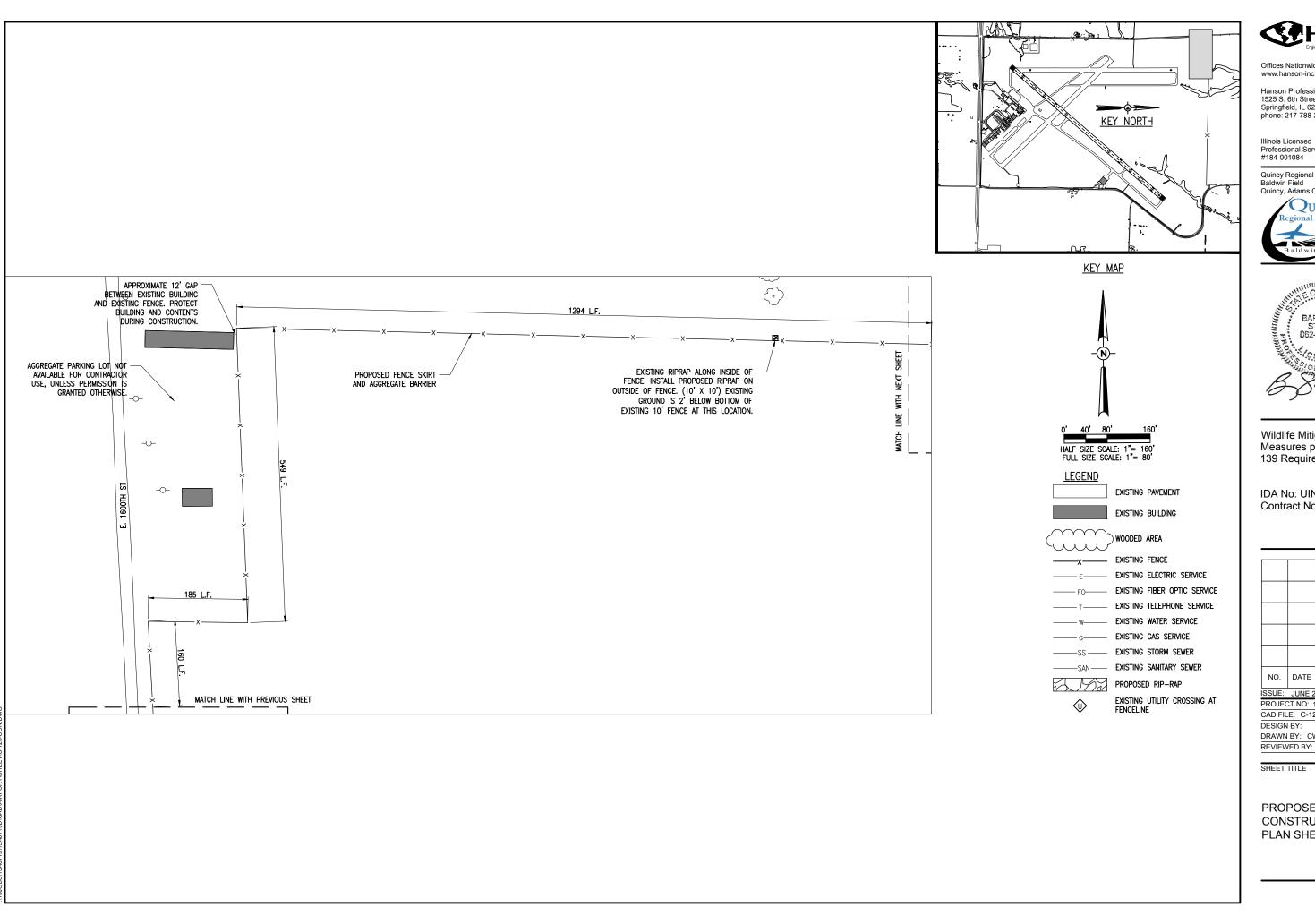




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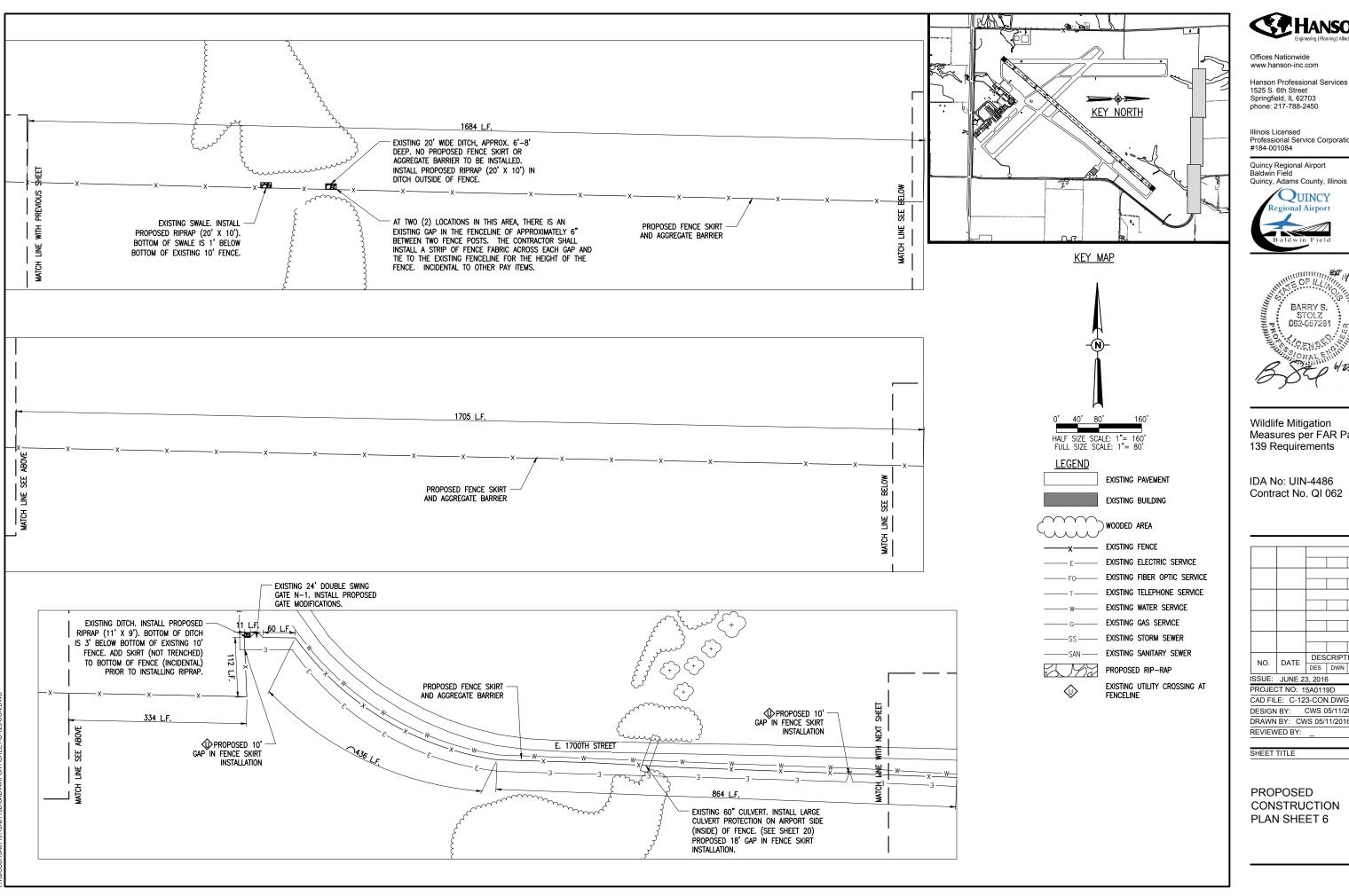




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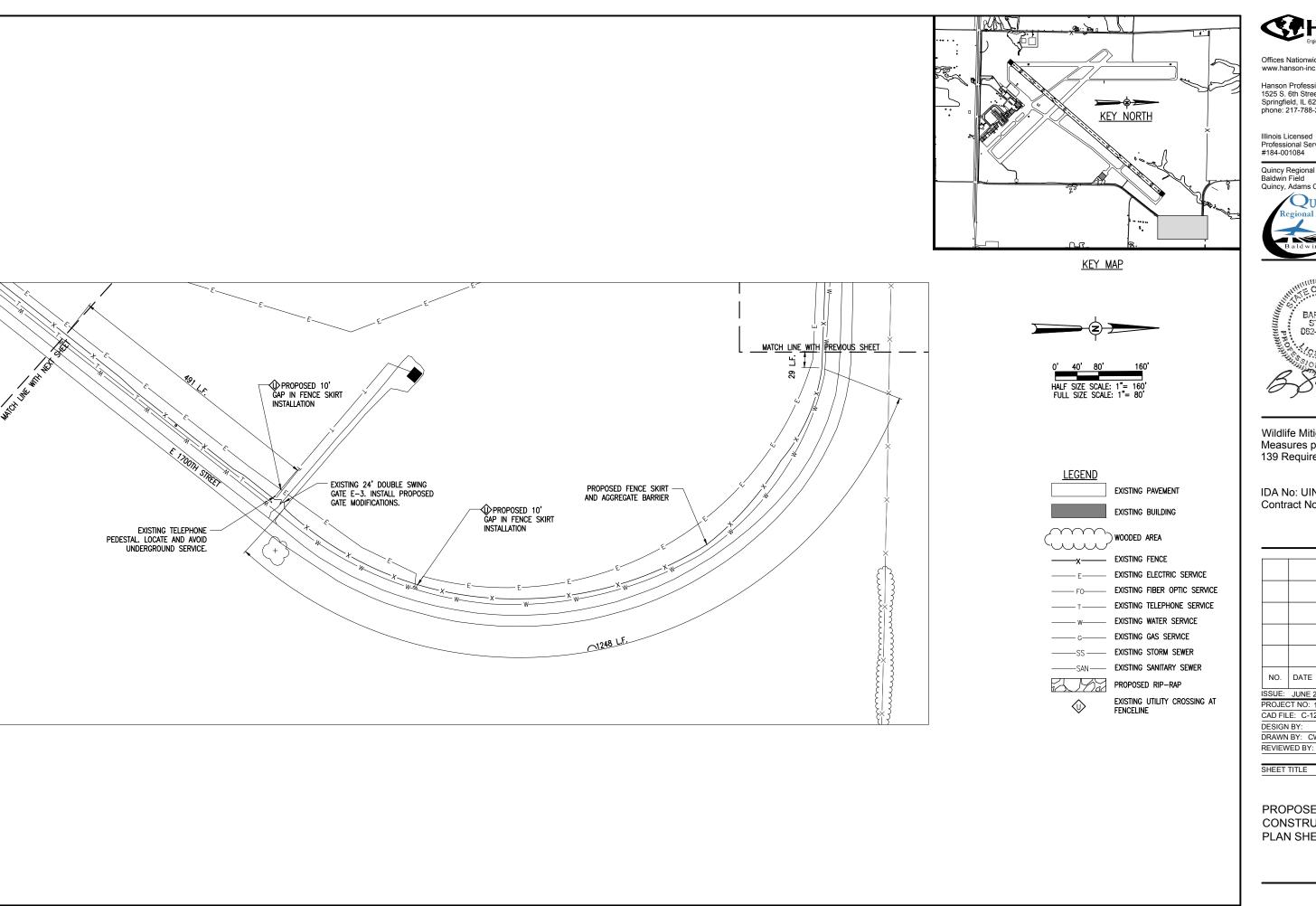




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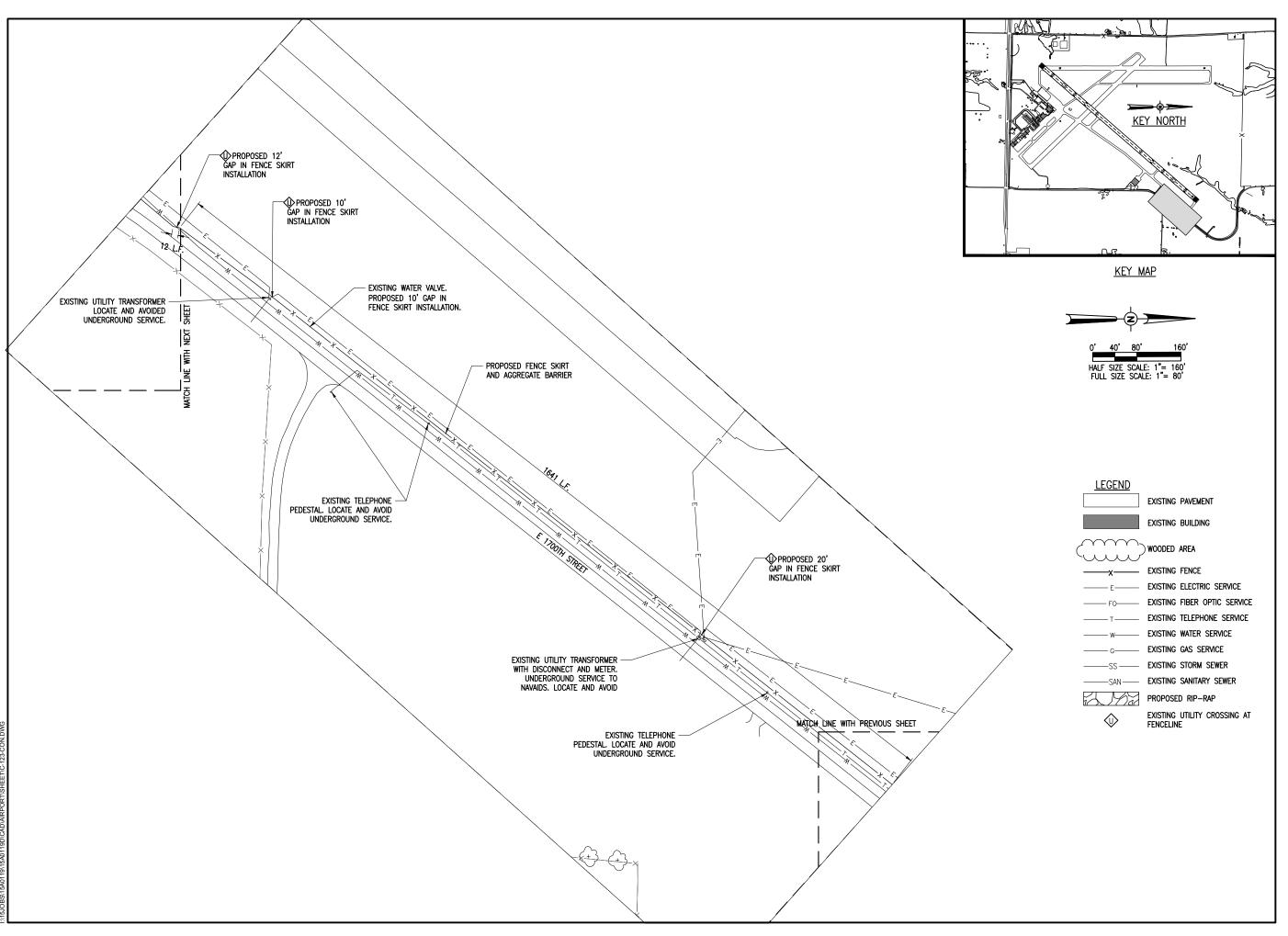




Wildlife Mitigation Measures per FAR Part 139 Requirements

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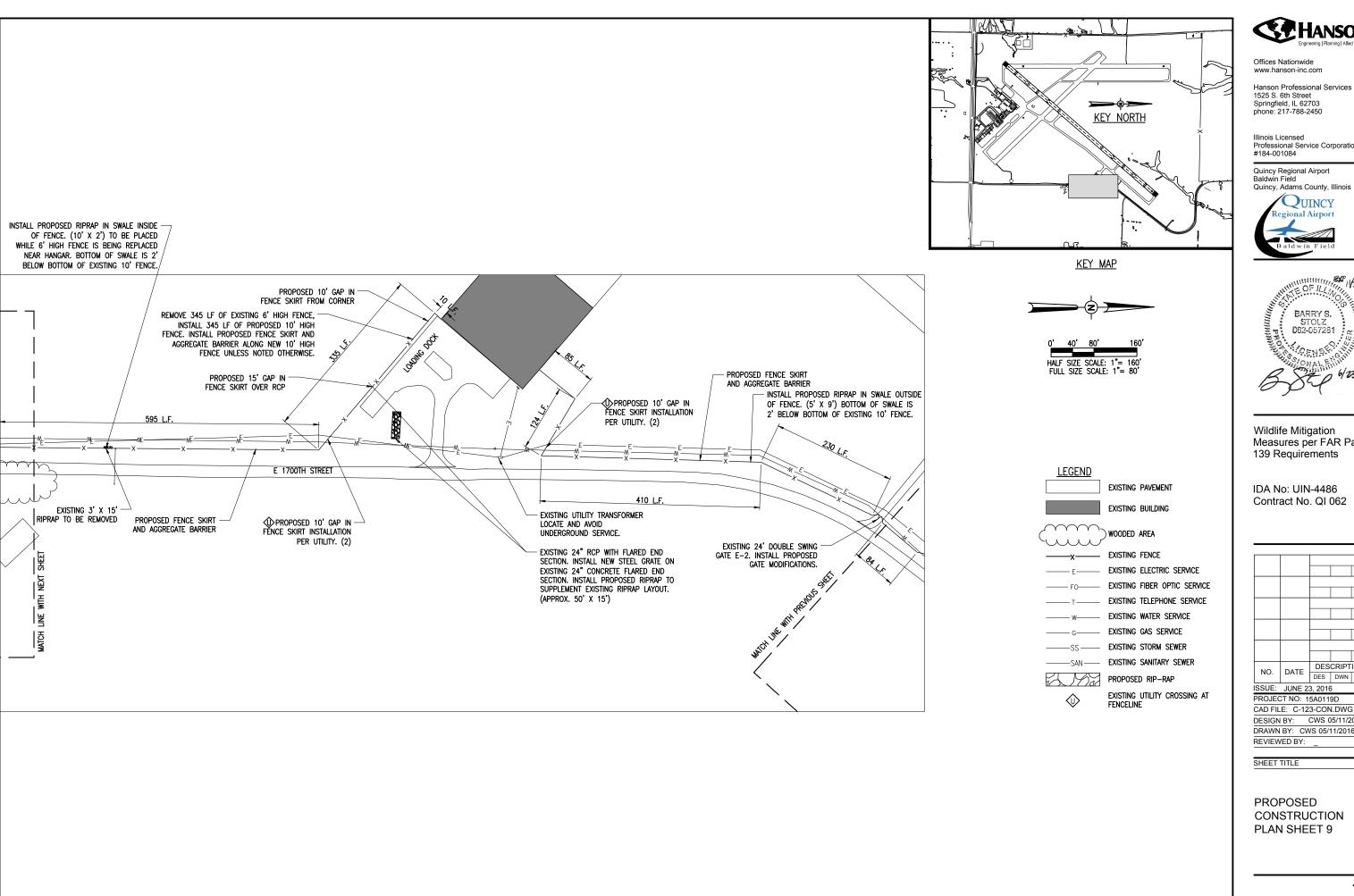
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PROPOSED CONSTRUCTION PLAN SHEET 8

13





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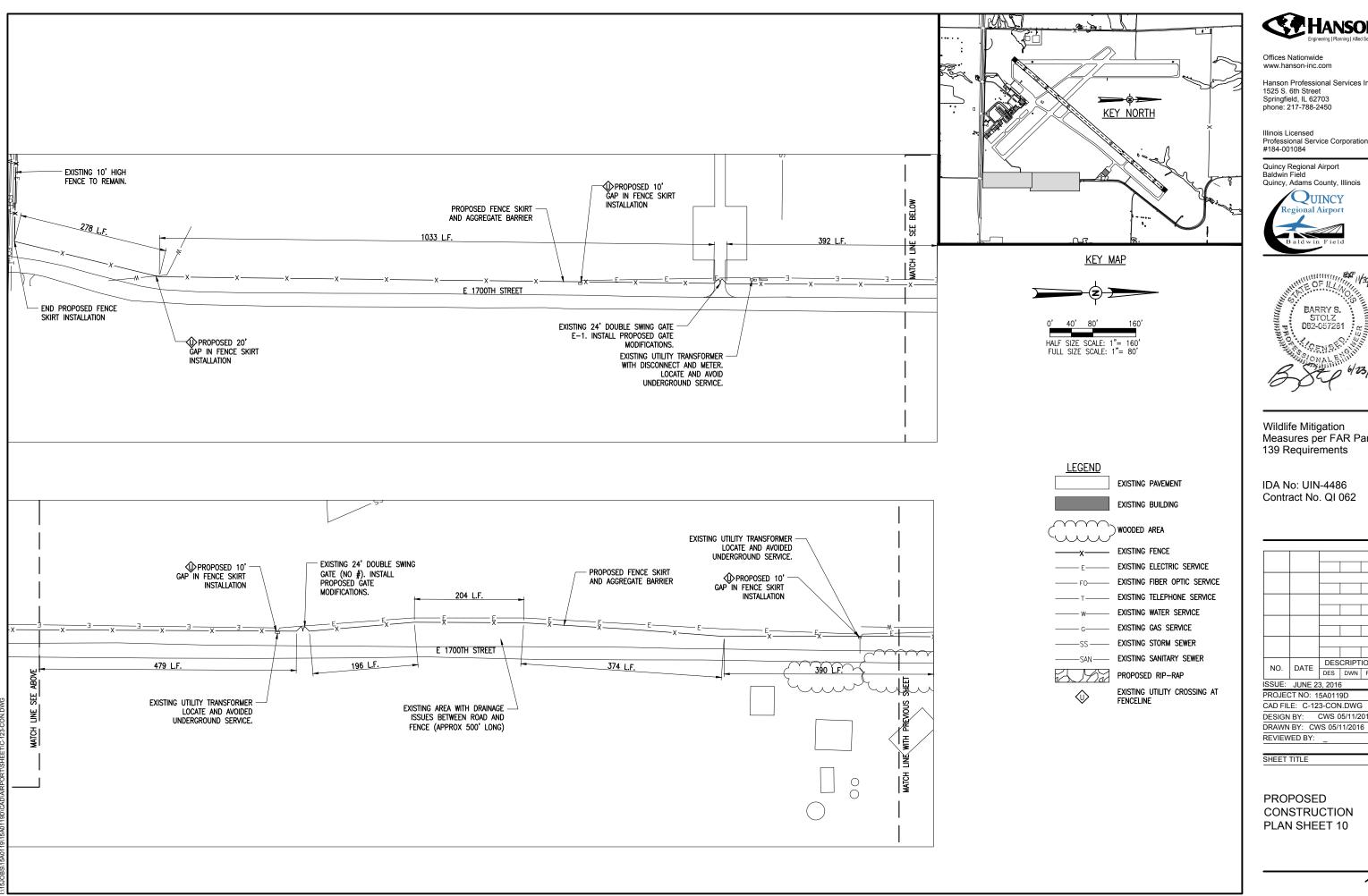




Wildlife Mitigation Measures per FAR Part 139 Requirements

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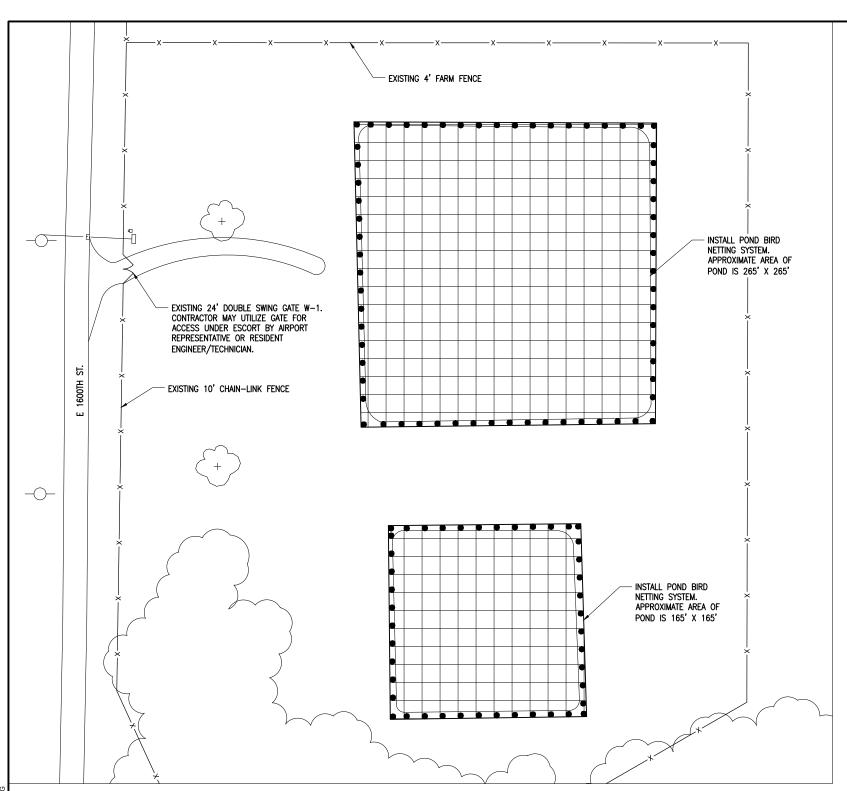


Measures per FAR Part 139 Requirements

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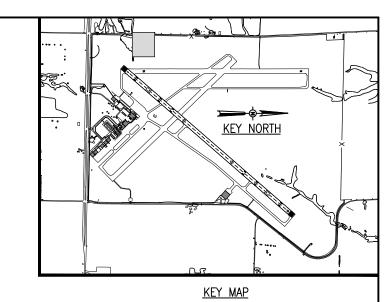
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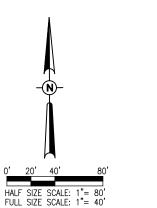
CONSTRUCTION



POND BIRD NETTING NOTES

- . CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION.
- 2. WORK SHALL INCLUDE REMOVAL OF ALL DEBRIS AND TALL VEGETATION AROUND THE PERIMETER OF THE POND, AND INSTALLATION OF THE POND BIRD NETTING AT BOTH POND AREAS.
- THE POND BIRD NETTING SHALL BE INSTALLED USING A PERIMETER CABLE AROUND THE SIDES OF THE POND, AND THE NETTING SHALL BE INSTALLED TO THE CABLE SYSTEM USING HOG RINGS, UNLESS OTHERWISE RECOMMENDED BY MANUFACTURER.
- 4. INSTALL POND BIRD NETTING AS RECOMMENDED BY MANUFACTURER'S WRITTEN INSTRUCTIONS. INSTALLATION SHALL FIT BOTH POND AREAS IN THEIR ENTIRETY.
- 5. CONTRACTOR MAY USE THE FOLLOWING PRODUCTS OR APPROVED EQUAL:
 BIRD-B-GONE, INC., INDUSTRIAL POND BIRD NETTING AND BIRD NET HARDWARE
 WEST COAST NETTING, POND COVER NETTING AND HARDWARE
- 6. THE POND BIRD NETTING AND ALL ASSOCIATED HARDWARE NECESSARY FOR A COMPLETE INSTALLATION AT BOTH POND LOCATIONS WILL BE PAID FOR UNDER ITEM AR800523 POND BIRD NETTING__PER L.S.





LEGEND

EXISTING PAVEMENT

EXISTING BUILDING

EXISTING FENCE

EXISTING ELECTRIC SERVICE

FO EXISTING FIBER OPTIC SERVICE

EXISTING TELEPHONE SERVICE

EXISTING WATER SERVICE

WOODED AREA

G EXISTING GAS SERVICE

SS EXISTING STORM SEWER

SAN EXISTING SANITARY SEWER

PROPOSED RIP—RAP

EXISTING UTILITY CROSSING AT FENCELINE

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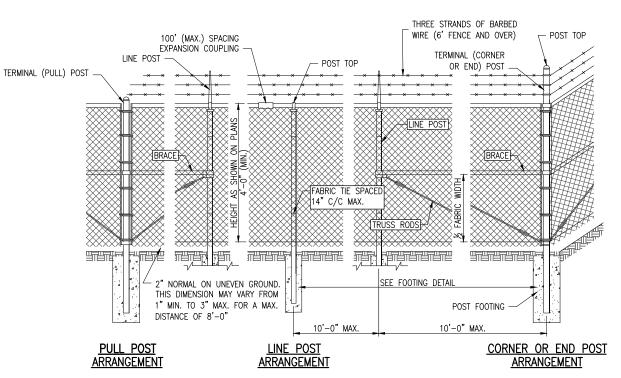
Wildlife Mitigation Measures per FAR Part 139 Requirements

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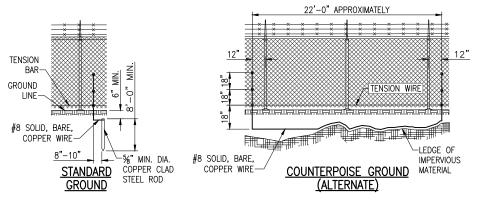
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NOTE: FOR 4-FOOT FENCE, THE HORIZONTAL BRACES AND TRUSS RODS ADJACENT TO TERMINAL POSTS AND GATE POSTS SHALL BE OMITTED.

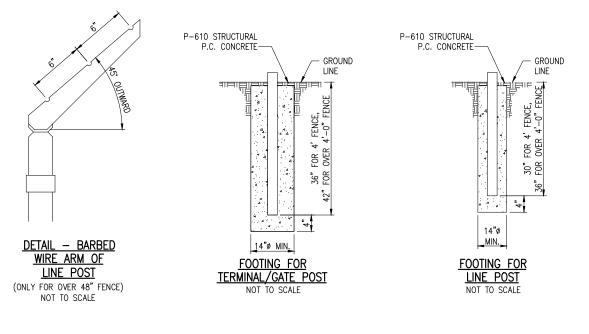


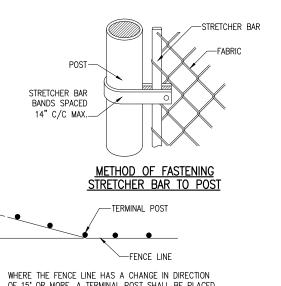
PROTECTIVE ELECTRICAL GROUND

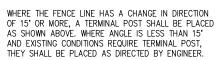
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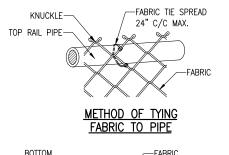
CONTINUOUS FENCE SHALL BE GROUNDED AT INTERVALS NOT EXCEEDING 1000', EXCEPT THERE SHALL BE A GROUND NOT EXCEEDING 100 FT. FROM A GATE IN EACH SECTION OF THE FENCE ADJACENT TO THE GATE. FENCE UNDER A POWER LINE SHALL BE GROUNDED BY THREE GROUNDS, ONE DIRECTLY UNDER THE CROSSING AND ONE ON EACH SIDE, 25 TO 50 FT. AWAY. A SINGLE GROUND SHALL BE LOCATED DIRECTLY UNDER EACH TELEPHONE WIRE OR CABLE CROSSING. THE COUNTERPOISE SHALL BE USED ONLY WHERE IT IS IMPOSSIBLE TO DRIVE A GROUND ROD BECAUSE OF AN IMPERVIOUS EARTH STRUCTURES. THE GROUND WIRE SHALL BE CONNECTED TO THE FABRIC AND THE GROUND ROD BY A MECHANICAL CLAMP OF CAST BRONZE BODY AND BRONZE OR STAINLESS STEEL BOLTS AND WASHERS. WHEN A TENSION WIRE IS REQUIRED, THE BOTTOM CONNECTION OF THE GROUND WIRE SHALL BE MADE TO THE TENSION WIRE.

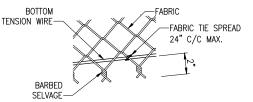
PROPOSED GROUNDING SHALL BE INCIDENTAL TO FENCE INSTALLATION.











METHOD OF TYING FABRIC TO TENSION WIRE NOT TO SCALE



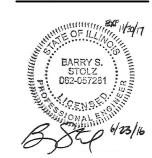
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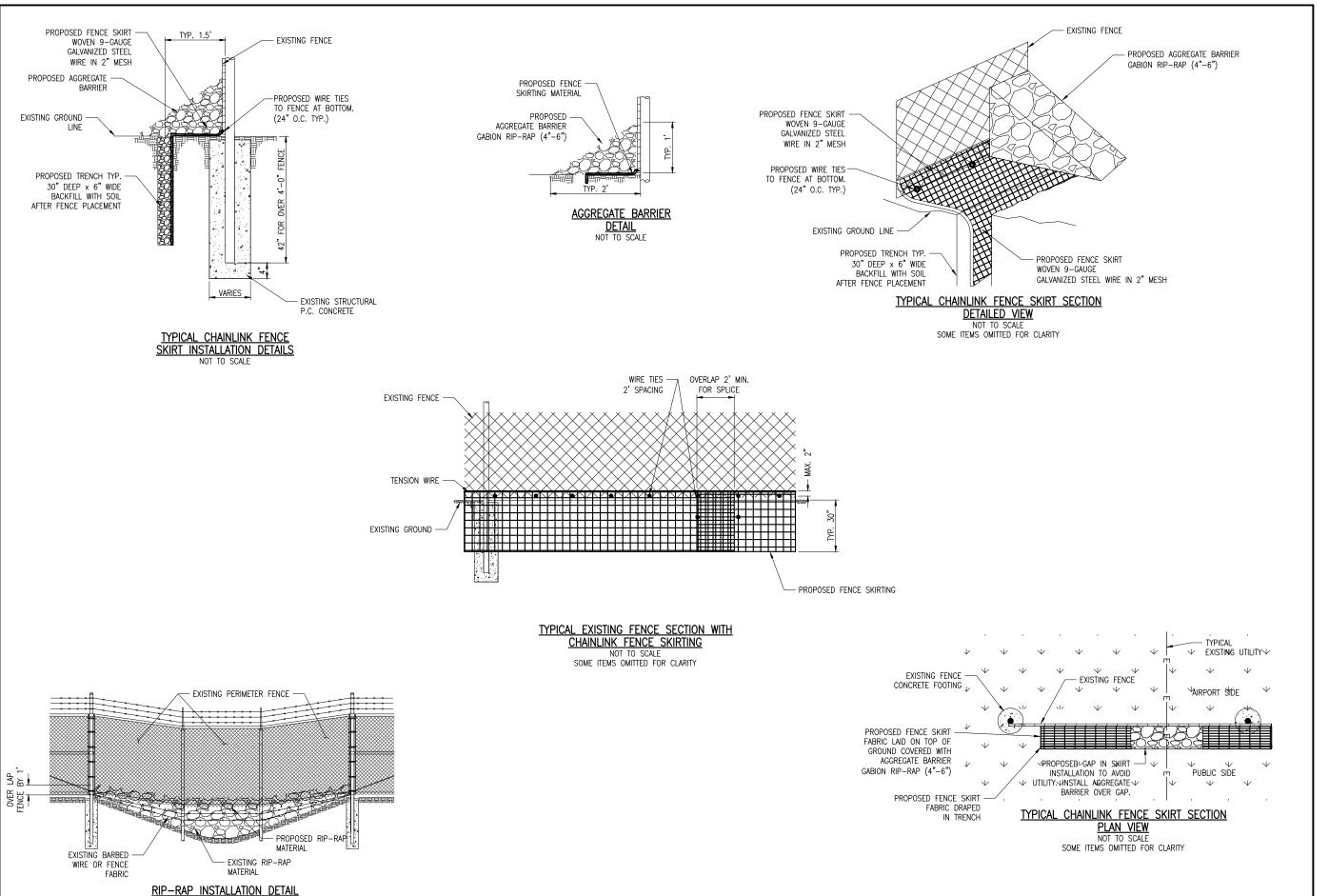
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PROPOSED FENCING DETAILS

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NOT TO SCALE



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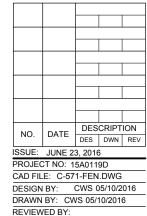
Quincy Regional Airport Baldwin Field





Wildlife Mitigation Measures per FAR Part 139 Requirements

IDA No: UIN-4486 Contract No. QI 062



PROPOSED FENCE SKIRTING DETAILS

PROPOSED F-163 CHAIN-LINK FENCE SKIRT NOTES

- THIS PAY ITEM AR800518 SHALL CORRESPOND WITH SPECIFICATION "FAA F-163 CHAIN-LINK FENCE SKIRT".
- 2. CHAIN-LINK FENCE SKIRT FABRIC SHALL BE MEASURED FOR PAYMENT BY THE LINEAR FOOT TO THE NEAREST FOOT. MEASUREMENT SHALL BE ALONG THE FENCE FROM CENTER TO CENTER OF THE END OR CORNER POSTS. EXCLUDING THE LENGTH OCCUPIED BY GATE OPENINGS OR RIP-RAP MATERIAL.
- 3. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR FENCE SKIRT FABRIC. THIS PRICE SHALL BE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, ALL LABOR (INCLUDING PREPARATION, EXCAVATION, BACKFILL, FILL, AND INSTALLATION), EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM. UTILITY LOCATES SHALL BE INCLUDED IN THIS PAY ITEM.
- 4. EXCAVATION OF TRENCH SHALL BE TO THE REQUIRED DEPTH AND WIDTH FOR PROPER INSTALLATION OF CHAIN-LINK FABRIC, MINIMUM OF 30" DEEP BY 6" WIDE. IF UNABLE TO MEET REQUIRED EXCAVATION DIMENSIONS DUE TO SUBGRADE MATERIAL OR BURIED UTILITIES, REFER TO DETAILS ON THE PLANS AND CONTACT THE RESIDENT PROJECT REPRESENTATIVE (RPR) FOR APPROVAL. THE CENTERLINE OF THE TRENCH SHALL BE LOCATED 1.5' AWAY FROM THE EXISTING FENCE, AND RUN PARALLEL WITH THE EXISTING FENCE FOR THE ENTIRE PROPOSED ALIGNMENT.
- THOSE LOCATIONS WHERE THE WILDLIFE FENCE SKIRT ALIGNMENT ENCOUNTERS EXISTING BURIED UTILITIES, THE WILDLIFE FENCE SKIRT FABRIC SHALL BE NOT INSTALLED FOR A SPECIFIED DISTANCE AS SHOWN ON THE CONSTRUCTION PLANS. EXACT LOCATIONS SHALL BE COORDINATED WITH THE RESIDENT ENGINEER/TECHNICIAN.
- SPECIAL CARE SHALL BE TAKEN WHEN EXCAVATION AROUND BURIED UTILITIES. CONSULT THE RESIDENT ENGINEER/TECHNICIAN WHEN BURIED UTILITIES ARE NEAR THE SURFACE.
- THE FENCE FABRIC SHALL LAP SPLICE THE EXISTING FENCE FABRIC FOR A MINIMUM OF 1' AND BE SECURED IN PLACE WITH WIRE TIES AT 2 FOOT SPACING.
- 8. THE FENCE FABRIC SHALL BE DRAPED ACROSS THE EXISTING GROUND. SPECIAL CARE SHALL BE TAKEN TO ENSURE THAT THE SKIRT FABRIC IS LAYING SMOOTHLY ACROSS THE GROUND.
- 9. BACKFILLING OF THE EXCAVATED AREA SHALL BEGIN AFTER THE FENCE FABRIC HAS BEEN PROPERLY INSTALLED AND SECURED IN PLACE, AND SHALL BE WITH NATIVE SOIL TO THE ORIGINAL GRADE UNLESS OTHERWISE SPECIFIED. BACKFILL MATERIAL SHALL BE ADEQUATELY COMPACTED IN TRENCH AND AT NO ADDITIONAL COST TO THE CONTRACT.
- 10. WHEN SPLICING FENCE SKIRTING FABRIC, OVERLAP FABRIC A MINIMUM OF 2 FEET AND SECURE USING WIRE TIES, ONE A MAXIMUM DISTANCE OF 2 INCHES BELOW THE TOP OF THE SKIRTING FABRIC AND ONE 2 INCHES ABOVE BOTTOM.
- 11. WIRE FABRIC TIES SHALL BE INSTALLED EVERY 2 FEET SECURING FENCE SKIRTING TO EXISTING FENCE FABRIC. WIRE TIES SHALL BE INSTALLED A MAXIMUM DISTANCE OF 2 INCHES BELOW THE TOP OF THE FENCE SKIRTING FABRIC AND 2 INCHES ABOVE BOTTOM.

PROPOSED RIP-RAP MATERIAL NOTES

- 1. THIS PAY ITEM AR156540 "RIP—RAP", SHALL CORRESPOND WITH THE FOLLOWING NOTES REGARDING CONSTRUCTION METHODS AND CONSTRUCTION MATERIALS.
- PROPOSED AGGREGATE MATERIAL TO BE USED AS AGGREGATE BARRIER SHALL BE RIP-RAP REVETMENT, HAVING NOMINAL SIZE OF 6"-12".
- 3. RIP-RAP SHALL BE MEASURED FOR PAYMENT BY SQUARE YARD FOR MATERIAL PLACED AND ACCEPTED.
- 4. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR RIP—RAP MATERIAL. THIS PRICE SHALL BE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, ALL LABOR (INCLUDING PREPARATION, EXCAVATION. AND PLACEMENT), EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM.
- 5. THE CONTRACTOR SHALL SUBMIT LOAD TICKETS TO THE RESIDENT ENGINEER/TECHNICIAN WHICH HAS THE RECORDED NET WEIGHT OF THE AGGREGATE FOR EACH TRUCK.
- 6. MINOR EARTHWORK AND GRADING MAY BE NECESSARY IN THE AREAS WHERE THE PROPOSED RIP—RAP MATERIAL IS TO BE PLACED. THIS EARTHWORK AND GRADING SHALL BE CONSIDERED INCIDENTAL TO THIS PAY ITEM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- PRIOR TO ANY PLACEMENT OF ANY RIP—RAP MATERIAL APPROPRIATE REPAIRS MUST BE MADE TO ANY DAMAGED FENCE FABRIC OR BARBED WIRE STRANDS THAT EXIST AS PART OF THE EXISTING FENCE. THESE REPAIRS ARE ANTICIPATED TO BE MINIMAL THEREFORE SUCH REPAIRS WILL BE CONSIDERED INCIDENTAL TO THIS PAY ITEM.
- 8. RIP—RAP MATERIAL PLACED AGAINST EXISTING FENCE SHALL BE PILED UP A MINIMUM OF 1' OVERLAPPING THE EXISTING FENCE.
- WILDLIFE DETERRENT FENCE SKIRTING IS NOT TO BE INSTALLED WHERE RIP—RAP IS TO BE PLACED UNLESS OTHERWISE SPECIFIED.
- 10. ESTIMATED AREAS OF PROPOSED RIP—RAP ARE SHOWN ON THE PLANS. ACTUAL LOCATIONS FOR PLACEMENT SHALL BE COORDINATED WITH THE RESIDENT ENGINEER/TECHNICIAN.

PROPOSED AGGREGATE BARRIER NOTES

- THIS PAY ITEM AR800519 "AGGREGATE BARRIER", SHALL CORRESPOND WITH THE FOLLOWING NOTES REGARDING CONSTRUCTION METHODS AND CONSTRUCTION MATERIALS.
- PROPOSED AGGREGATE MATERIAL TO BE USED AS AGGREGATE BARRIER SHALL BE GABION RIP—RAP, HAVING A NOMINAL SIZE OF 4"-6".
- 3. AGGREGATE BARRIER SHALL BE MEASURED FOR PAYMENT BY THE LINEAR FOOT TO THE NEAREST FOOT. MEASUREMENT SHALL BE ALONG THE FENCE FROM CENTER TO CENTER OF THE END OR CORNER POSTS, EXCLUDING THE LENGTH OCCUPIED BY GATE OPENINGS OR RIP—RAP MATERIAL.
- 4. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR AGGREGATE BARRIER. THIS PRICE SHALL BE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, ALL LABOR (INCLUDING PREPARATION, EXCAVATION. AND PLACEMENT), EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM.
- 5. THE CONTRACTOR SHALL SUBMIT LOAD TICKETS TO THE RESIDENT ENGINEER/TECHNICIAN WHICH HAS THE RECORDED NET WEIGHT OF THE AGGREGATE FOR EACH TRUCK
- 6. THE AGGREGATE BARRIER SHALL BE PLACED ON TOP OF THE WILDLIFE DETERENT FENCE SKIRTING ONLY AFTER THE FENCE SKIRT FABRIC HAS BEEN PROPERLY INSTALLED AND SECURED, AND THE EXCAVATED TRENCH HAS BEEN PROPERLY BACKFILLED AND COMPACTED.
- AGGREGATE SHALL BE PLACED FOR A HORIZONTAL WIDTH OF 2 FEET FROM THE EXISTING FENCE, AND PILED A VERTICAL HEIGHT OF 1 FOOT ALONG THE EXISTING FENCE, AND FINISHED BY GRADING TO A UNIFORM SLOPE.



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Wildlife Mitigation Measures per FAR Part 139 Requirements

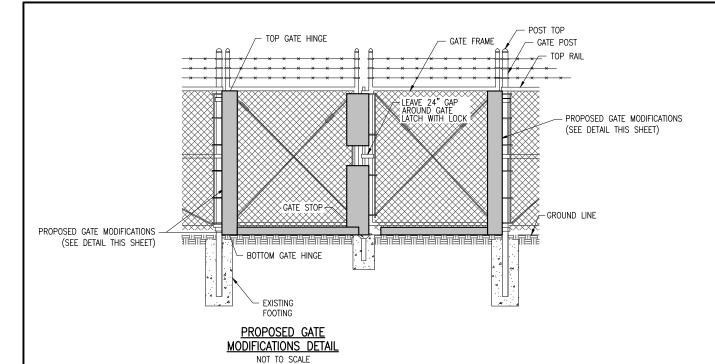
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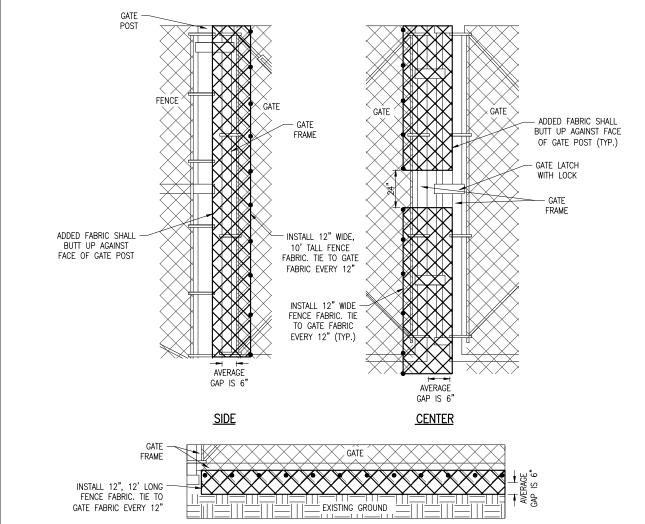
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PROPOSED FENCE SKIRTING NOTES

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BOTTOM

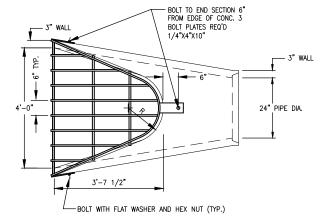
PROPOSED GATE MODIFICATIONS

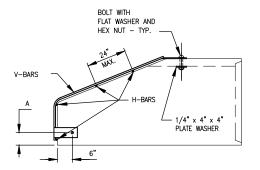
NOT TO SCALE

DIA. INCHES	V-BAR SIZE	H-BAR SIZE	No. OF H-BARS	BOLT DIA.	"A" DIM.
INCHES			REQ'D.	INC	HES
24	5/8ø	3/4ø	4	1/2	5

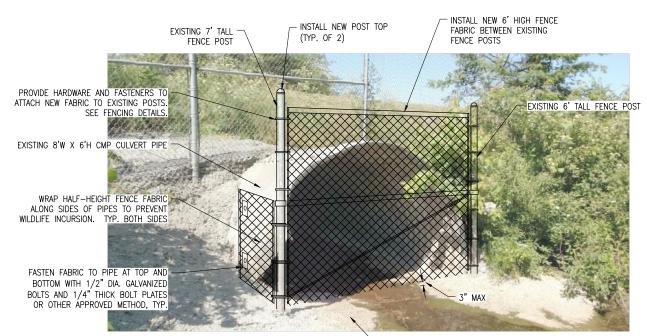
<u>NOTES</u>

- 1. BARS AND PLATES ARE HOT ROLLED STEEL.
- 2. BARS, PLATES, PIPE AND BOLTS ARE GALVANIZED.





GRATING FOR FLARED END SECTION



 GROUND AROUND PIPE AND FENCE POSTS IS EXISTING CONCRETE

LARGE CULVERT
PROTECTION DETAIL

CONTRACTOR SHALL COORDINATE WITH AIRPORT AND RESIDENT ENGINEER/TECHNICIAN FOR ACCESS TO CULVERT SITE.

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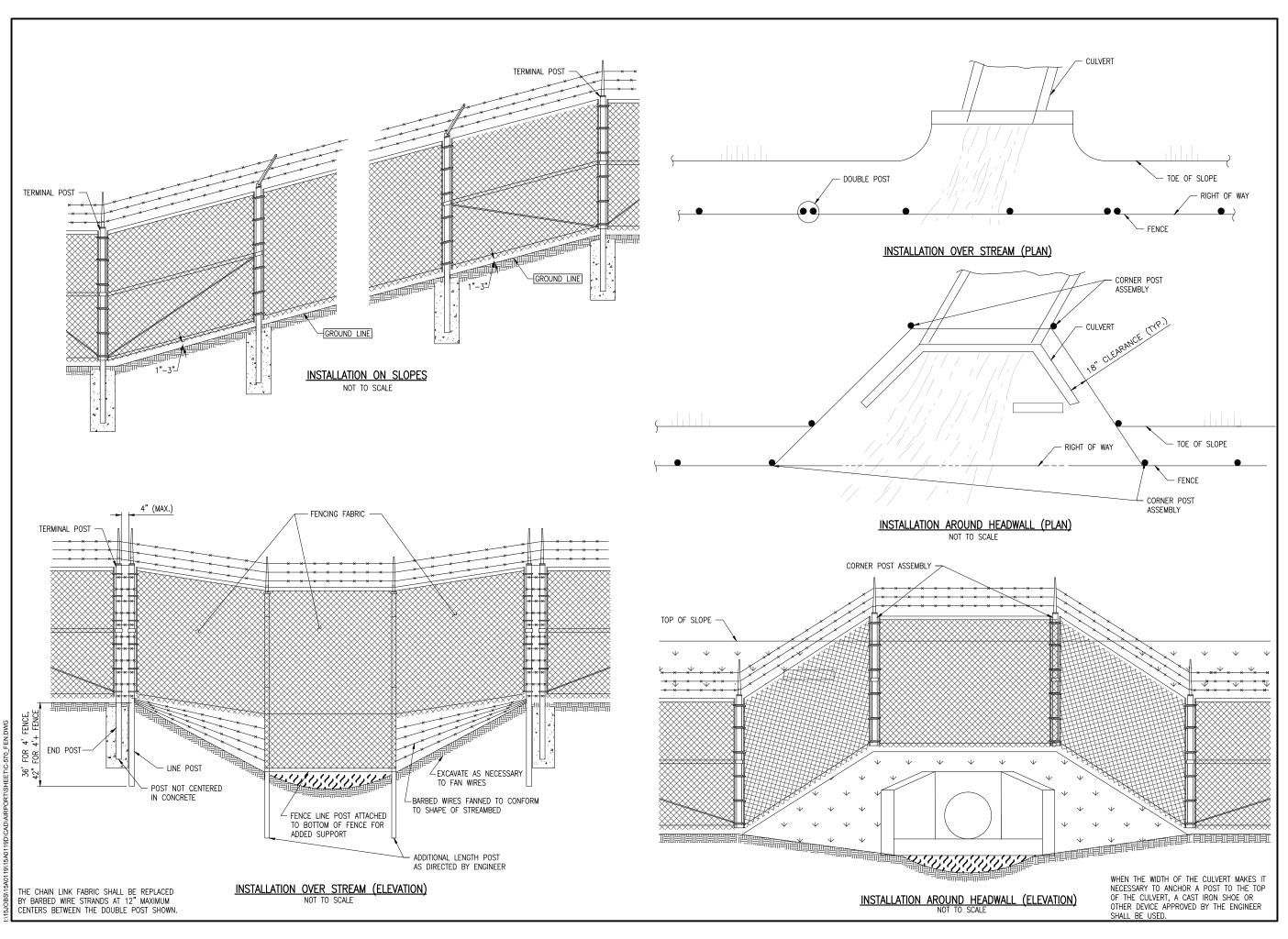
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PROPOSED MISCELLANEOUS DETAILS

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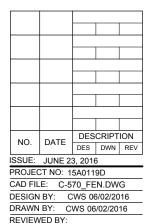
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EXISTING FENCE DETAILS (FOR REFERENCE)

AIRPORT TERMINAL AERIAL VIEW

SCALE: 1" = 20'-0" (FULL) SCALE: 1" = 40'-0" (HALF)

NOTE: SQUARE FOOTAGES ESTIMATED FROM AERIAL PLAN - CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS BEFORE BEGINNING CONSTRUCTION

GENERAL NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION.
- 2.) BASE BID WORK INCLUDES:

 REMOVE ALL LOOSE AND OTHERWISE DAMAGED PAINT FROM EXPOSED EXISTING STEEL ROOF DECK, BEAMS, AND DOWNSPOUT COVER PLATE AT AREAS "A", "B", "AND "C", "REMOVE PAINT FOLLOWING ALL CODES AND REGULATIONS APPLICABLE

 - PAINT FOLLOWING ALL CODES AND REGULATIONS APPLICABLE CLEAN METAL DECK AND BEAMS TO PREPARE FOR PRIMING PRIME ALL METAL SURFACES WHERE BARE METAL IS EXPOSED ENCLOSE EXISTING ROOF OVERHANG AT AREA "A" WITH NEW PREFINISHED METAL SOFTIF PANELS. REMOVE (3) EXISTING DOWN LIGHT FIXTURES CONDUIT TO
 - REMAIN IN PLACE FOR FUTURE USE

 INSTALL BIRD DETERRENT NETTING AT AREAS "B" AND "C"

- ADDITIVE ALTERNATE BID #1 WORK INCLUDES:
 NO BASE BID BIRD DETERRENT NETTING AT AREA "B"
 ENCLOSE EXISTING ROOF OVERHANG AT AREA "B" WITH NEW PREFINISHED METAL SOFFIT PANELS EXISTING LIGHTING TO REMAIN IN PLACE - WORK AROUND
- EXISTING SURFACE MOUNTED CONDUIT
- 4.) ADDITIVE ALTERNATE BID #2 WORK INCLUDES:

 NO BASE BID BIRD DETERRENT NETTING AT AREA "C"

 ENCLOSE EXISTING ROOF OVERHANG AT AREA "C" WITH
 - NEW PREFINISHED METAL SOFFIT PANELS (2) EXISTING GARAGE CONTROLS TO REMAIN IN PLACE

 - (3) EXISTING SURFACE MOUNTED LIGHTS TO REMAIN REMOVE AND REINSTALL IF NECESSARY.

SPECIFICATION NOTES

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

METAL SOFFIT PANELS

PROVIDE 22 GAGE GALVANIZED STEEL SHEET WITH MATCHING "J" TRIM.

PROFILE: FLUSH WITH REVEAL 12" O.C. PANEL WIDTH x 1" PANEL HEIGHT

12" O.C. PANEL WIDTH X "PANEL HEIGHT EXTERIOR FINISH: 2-COAT FLUOROPOLYMER FINISH COLOR AS SELECTED BY OWNER TO FROM MANUFACTURER'S STANDARD RANGE BASIS OF DESIGN: PAC-CLAD FLUSH SOFFIT REVEAL PANEL OR COMPARABLE PRODUCT FROM THE FOLLOWING: MBCI; A DIVISION OF NCI BUILDING SYSTEMS, L.P.

MCELROY METAL, INC SEALANT: FACTORY APPLIED WITHIN INTERLOCKING JOINT

PROVIDE ONE-COMPONENT SILICONE SEALANT TO MATCH METAL SOFFIT PANELS

DIVISION 9 - FINISHES

PAINT HAS NOT BEEN TESTED FOR LEAD. CONTRACTOR HAS RESPONSIBILITY TO FOLLOW ALL ILLINOIS EPA AND OSHA REGULATIONS REGARDING PAINT REMOVAL CONTAINMENT, AND DISPOSAL

REMOVE LOOSE BUSTERED OR OTHERWISE DEFECTIVE PAINT SMOOTH EDGES WITH SANDPAPER
PRIME EXISTING GALVANIZED METAL DECK AND BEAMS WITH

FRINGE CALLS HING GALLVANIZED METAL DEUG AND BEAMS WHITH
FACTORY-FORMULATED GALLVANIZED METAL PRIMER FOR EXTERIOR APPLICATION
PRIME STEEL CHANNEL AT STAIR WITH
ALKYD ANTI-CORROSIVE METAL PRIMER FOR EXTERIOR APPLICATION

DIVISION 10 - SPECIALTIES

BIRD DETERRENT NETTING

CONTRACT SHALL EMPLOY EXPERIENCED WORKMENWORKWOMEN WHO ARE FULLY QUALIFIED IN THE INSTALLATION OF THE BIRD DETERRENT NETTING, OR EMPLOY A COMPANY RECOMMENDED BY THE BIRD DETERRENT NETTING MANUFACTURER.

WARRANTY: 10-YEAR MANUFACTURER WARRANTY
MATERIAL: PROVIDE ULTRA-VIOLET STABILIZED HEAVY DUTY POLYETHYLENE PLASTIC NETTING
SIZE: 3/4" MESH OR SMALLER

CONSTRUCTION: 3x2 PLY

CONSTRUCTION: 3x2 PLY
BREAKING STRENGTH: 50 POUNDS PER STRAND
NET SIZE: SIZE NET AS NECESSARY FOR EACH AREA WHERE NO SEAMS ARE USED
MOUNTING SYSTEM: USE CORNER BOLTS FOR STEEL DECKING AS RECOMMENDED BY
MANUFACTURER: INSTALL INTERMEDIATE ATTACHMENTS AS RECOMMENDED BY
MANUFACTURER, BUT NOT LESS THAN 24" O.C. FOR STRAIGHT AREAS AND 8" O.C. FOR CURVED

AREAS. ALL HARDWARE TO BE GALVANIZED STEEL. INSTALL SUSPENSION CABLE AS RECOMMENDED BY MANUFACTURER AFTER ALL MOUNTING HARDWARE HAS BEEN INSTALLED

PREPARE SURFACE PROPERLY TO RECEIVE BIRD DETERRENT NETTING. REMOVE ALL DROPPINGS IN A SAFE MANNER.

INSTALL BIRD DETERRENT NETTING AS RECOMMENDED BY MANUFACTURER'S WRITTEN INSTRUCTIONS. INSTALLATION SHALL FIT AREA WITH NO GAPS OVER 1/2" AT EDGES. USE MANUFACTURER STANDARD ACCESS OPENING FOR ALL LIGHT FIXTURES, DOWNSPOUT COVER PLATE AREAS, AND GARAGE CONTROLS

BASIS OF DESIGN: BIRD BARRIER AMERICA, INC. "STEALTH NET 3/4"", SUSPENSION SYSTEM, AND ALL HARDWARE NECESSARY FOR A COMPLETE INSTALLATION OR COMPARABLE PRODUCT OF THE FOLLOWING:

BIRD-B-GONE, INC. BIRD NETTING 3/4" MESH AND SUSPENSION SYSTEM

INTERMEDIATE FASTENERS: PROVIDE GALVANIZED SELF-TAPPING SCREWS AND GALVANIZED FENDER WASHERS TO FURTHER SECURE BIRD DETERRENT NETTING TO METAL PAN. INSTALL AT 48" O.C. OR AS NOTED ON DETAILS.



616 North 24th Street, Quincy, IL. 4510 Paris Gravel Road, Hannibal, MO 610 N. 4th Street, Suite 100, Burlington, IA 604 Liberty St, Suite 129, Pella, IA Internet Address:

DESIGN FIRM #184.2738

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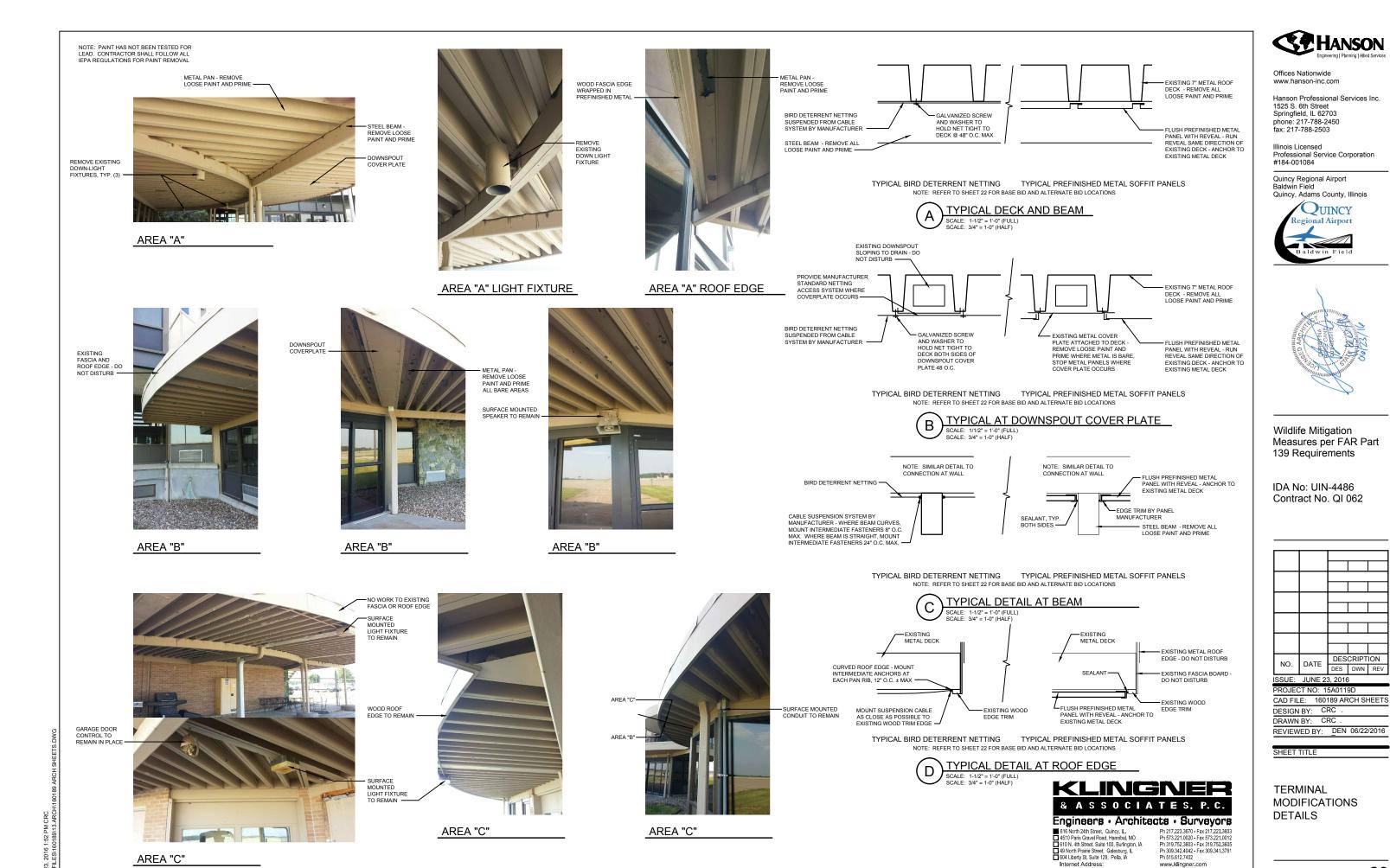
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MODIFICATIONS PLAN



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