

# KANKAKEE VALLEY AIRPORT AUTHORITY

## KANKAKEE, ILLINOIS

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### CONSTRUCTION PLANS FOR GREATER KANKAKEE AIRPORT

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	RECORD QUANTITY
AR150510	ENGINEER'S FIELD OFFICE	LS	1	
AR150520	MOBILIZATION	LS	1	
AR151414	TREE TRIMMING	EACH	20	
AR151420	CLEARING TREES 0-2.5' BUTT. DIA.	EACH	20	
AR151430	CLEARING TREES 2.5'-5' BUTT. DIA.	EACH	10	
AR151450	CLEARING AND GRUBBING	ACRE	3.8	
AR156530	TEMPORARY SEEDING	ACRE	3.8	
AR156531	EROSION CONTROL BLANKET	SY	2,400	
AR161900	REMOVE CLASS C FENCE	LF	5,800	
AR161910	REMOVE CLASS C GATE	EACH	1	
AR162224	CLASS E MANUAL SLIDE GATE - 24'	EACH	1	
AR800153	CONCRETE WASHOUT	LS	1	
AR800157	CLASS E FENCE 10' W/ 2' BURY	LF	9,900	
AR800173	WILDLIFE DETERRENT BARRIER - PAD	SF	100	
AR901510	SEEDING	ACRE	4.3	
AR908514	LIGHT-DUTY HYDRAULIC MULCH	ACRE	3.8	

### PHASE 1B - PERIMETER SAFETY/WILDLIFE FENCE

ILLINOIS PROJECT: IKK-4560  
S.B.G. PROJECT: 3-17-SBGP-XX

APRIL 21, 2017



THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ACTUAL LOCATIONS OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF HIS OPERATIONAL PLANS, OBTAIN FROM RESPECTIVE UTILITY 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 AND THE ONE-CALL NOTICE SYSTEM. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH UTILITY OR SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 811.

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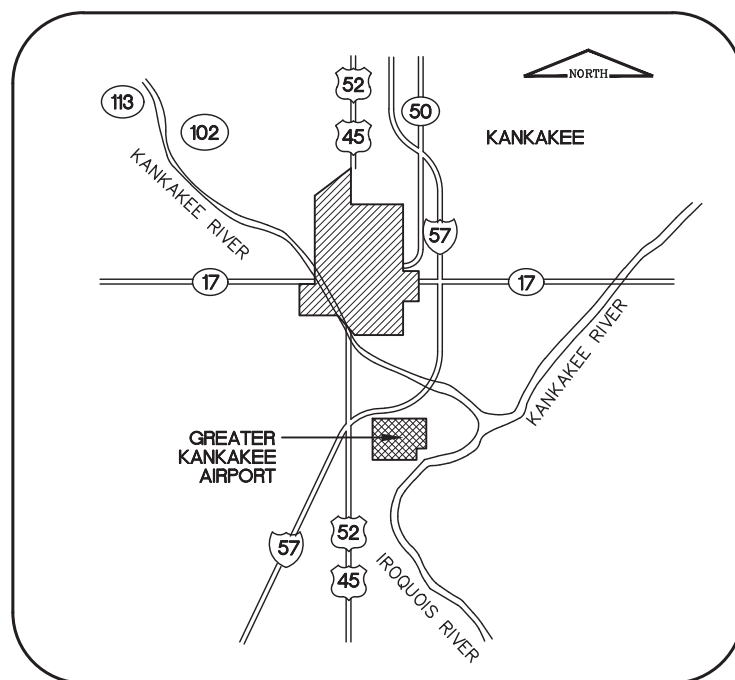
SUBMITTED BY *Antonio R. Marin*  
ANTONIO R. MARIN, P.E.

DATE *4/20/17*

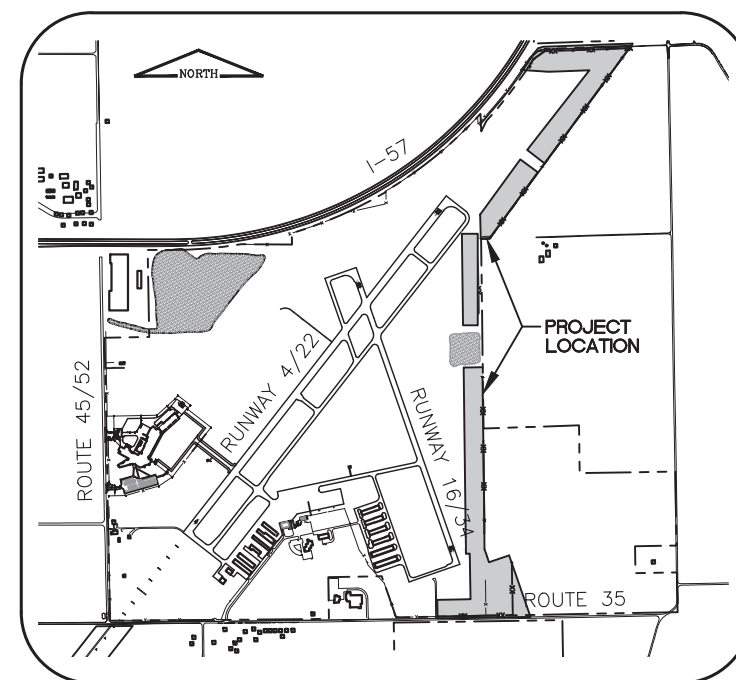
KANKAKEE VALLEY  
AIRPORT AUTHORITY

APPROVED *Jeff Benoit*  
JEFF BENOIT, AIRPORT MANAGER

DATE *April 4* 20*17*



SITE PLAN



LOCATION MAP

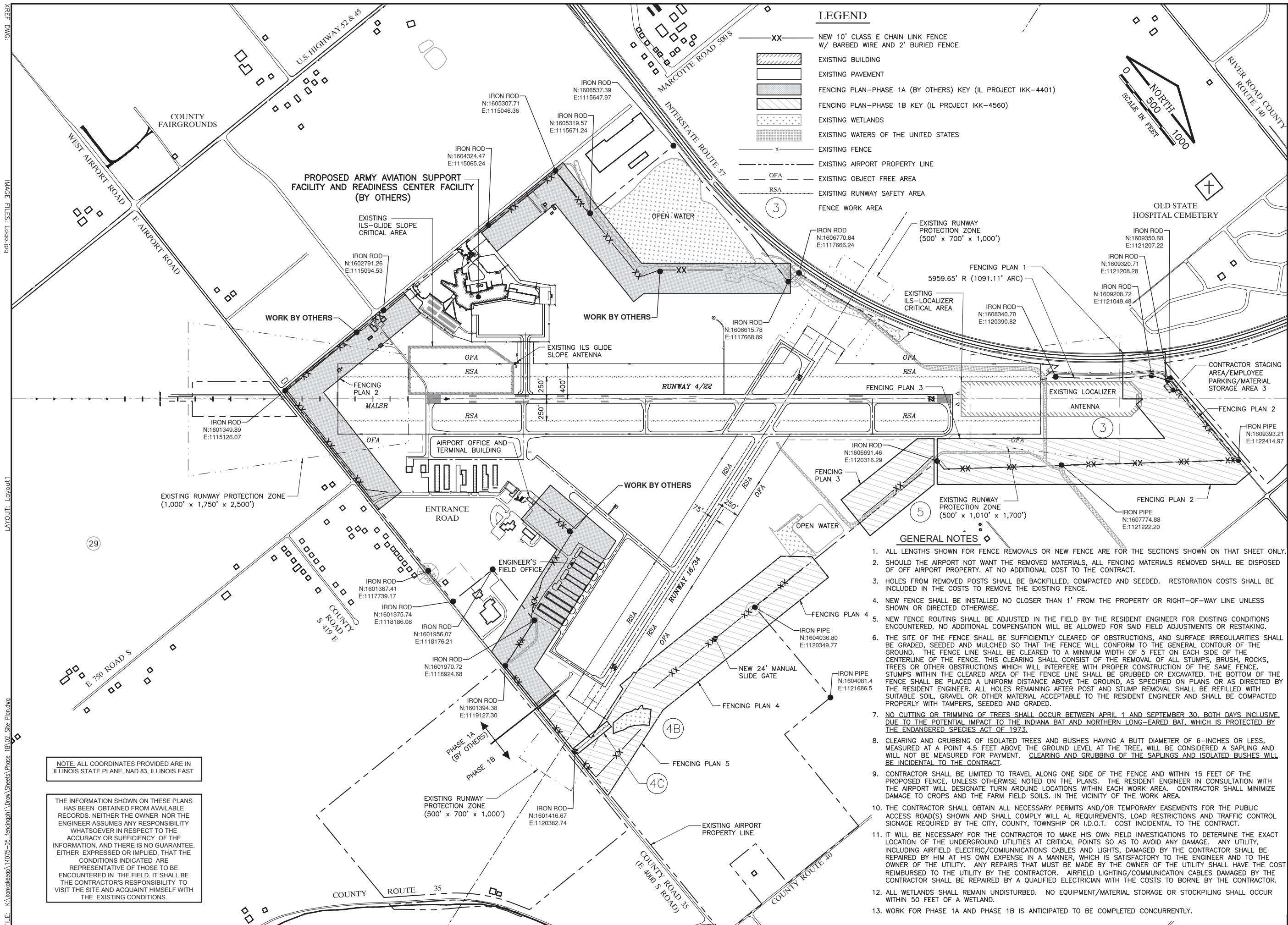
DESIGN INFORMATION

DESIGN AIRCRAFT APPROACH CATEGORY D  
DESIGN AIRCRAFT GROUP II

KANKAKEE VALLEY AIRPORT AUTHORITY  
GREATER KANKAKEE AIRPORT

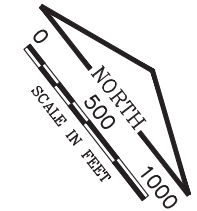
SECTION: 21 COUNTY: KANKAKEE  
RANGE: R 12 E TOWNSHIP: OTTO  
TOWNSHIP: T 30 N

UNICOM RADIO FREQUENCY - 123.0



**LEGEND**

- XX NEW 10' CLASS E CHAIN LINK FENCE W/ BARBED WIRE AND 2' BURIED FENCE
- [Hatched Box] EXISTING BUILDING
- [Dotted Box] EXISTING PAVEMENT
- [Diagonal Lines] FENCING PLAN-PHASE 1A (BY OTHERS) KEY (IL PROJECT IKK-4401)
- [Diagonal Lines] FENCING PLAN-PHASE 1B KEY (IL PROJECT IKK-4560)
- [Stippled Box] EXISTING WETLANDS
- [Wavy Lines] EXISTING WATERS OF THE UNITED STATES
- x- EXISTING FENCE
- EXISTING AIRPORT PROPERTY LINE
- OFA- EXISTING OBJECT FREE AREA
- RSA- EXISTING RUNWAY SAFETY AREA
- (3) FENCE WORK AREA



IL CONTRACT: **KA047**  
 IL LETTING ITEM: **03A**  
 IL PROJECT: **IKK-4560**  
 S.B.G. PROJECT: **3-17-SPGP-XX**

SURVEY BOOK # BOOK #

REVISIONS		
NUMBER	BY	DATE

0 1 2  
 THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

**KANKAKEE VALLEY AIRPORT AUTHORITY  
 KANKAKEE, ILLINOIS  
 PHASE 1B - PERIMETER SAFETY/WILDLIFE FENCE  
 SITE PLAN**

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DRAWN BY:	JRO
CHECKED BY:	DKP
APPROVED BY:	ARM
DATE:	APRIL 21, 2017
JOB No:	14075-05

**GENERAL NOTES**

1. ALL LENGTHS SHOWN FOR FENCE REMOVALS OR NEW FENCE ARE FOR THE SECTIONS SHOWN ON THAT SHEET ONLY.
2. SHOULD THE AIRPORT NOT WANT THE REMOVED MATERIALS, ALL FENCING MATERIALS REMOVED SHALL BE DISPOSED OF OFF AIRPORT PROPERTY. AT NO ADDITIONAL COST TO THE CONTRACT.
3. HOLES FROM REMOVED POSTS SHALL BE BACKFILLED, COMPACTED AND SEEDED. RESTORATION COSTS SHALL BE INCLUDED IN THE COSTS TO REMOVE THE EXISTING FENCE.
4. NEW FENCE SHALL BE INSTALLED NO CLOSER THAN 1' FROM THE PROPERTY OR RIGHT-OF-WAY LINE UNLESS SHOWN OR DIRECTED OTHERWISE.
5. NEW FENCE ROUTING SHALL BE ADJUSTED IN THE FIELD BY THE RESIDENT ENGINEER FOR EXISTING CONDITIONS ENCOUNTERED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR SAID FIELD ADJUSTMENTS OR RESTAKING.
6. THE SITE OF THE FENCE SHALL BE SUFFICIENTLY CLEARED OF OBSTRUCTIONS, AND SURFACE IRREGULARITIES SHALL BE GRADED, SEEDED AND MULCHED SO THAT THE FENCE WILL CONFORM TO THE GENERAL CONTOUR OF THE GROUND. THE FENCE LINE SHALL BE CLEARED TO A MINIMUM WIDTH OF 5 FEET ON EACH SIDE OF THE CENTERLINE OF THE FENCE. THIS CLEARING SHALL CONSIST OF THE REMOVAL OF ALL STUMPS, BRUSH, ROCKS, TREES OR OTHER OBSTRUCTIONS WHICH WILL INTERFERE WITH PROPER CONSTRUCTION OF THE SAME FENCE. STUMPS WITHIN THE CLEARED AREA OF THE FENCE LINE SHALL BE GRUBBED OR EXCAVATED. THE BOTTOM OF THE FENCE SHALL BE PLACED A UNIFORM DISTANCE ABOVE THE GROUND, AS SPECIFIED ON PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. ALL HOLES REMAINING AFTER POST AND STUMP REMOVAL SHALL BE FILLED WITH SUITABLE SOIL, GRAVEL OR OTHER MATERIAL ACCEPTABLE TO THE RESIDENT ENGINEER AND SHALL BE COMPACTED PROPERLY WITH TAMPERS, SEEDED AND GRADED.
7. NO CUTTING OR TRIMMING OF TREES SHALL OCCUR BETWEEN APRIL 1 AND SEPTEMBER 30, BOTH DAYS INCLUSIVE, DUE TO THE POTENTIAL IMPACT TO THE INDIANA BAT AND NORTHERN LONG-EARED BAT, WHICH IS PROTECTED BY THE ENDANGERED SPECIES ACT OF 1973.
8. CLEARING AND GRUBBING OF ISOLATED TREES AND BUSHES HAVING A BUTT DIAMETER OF 6-INCHES OR LESS, MEASURED AT A POINT 4.5 FEET ABOVE THE GROUND LEVEL AT THE TREE, WILL BE CONSIDERED A SAPLING AND WILL NOT BE MEASURED FOR PAYMENT. CLEARING AND GRUBBING OF THE SAPLINGS AND ISOLATED BUSHES WILL BE INCIDENTAL TO THE CONTRACT.
9. CONTRACTOR SHALL BE LIMITED TO TRAVEL ALONG ONE SIDE OF THE FENCE AND WITHIN 15 FEET OF THE PROPOSED FENCE, UNLESS OTHERWISE NOTED ON THE PLANS. THE RESIDENT ENGINEER IN CONSULTATION WITH THE AIRPORT WILL DESIGNATE TURN AROUND LOCATIONS WITHIN EACH WORK AREA. CONTRACTOR SHALL MINIMIZE DAMAGE TO CROPS AND THE FARM FIELD SOILS. IN THE VICINITY OF THE WORK AREA.
10. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND/OR TEMPORARY EASEMENTS FOR THE PUBLIC ACCESS ROAD(S) SHOWN AND SHALL COMPLY WITH AL REQUIREMENTS, LOAD RESTRICTIONS AND TRAFFIC CONTROL SIGNAGE REQUIRED BY THE CITY, COUNTY, TOWNSHIP OR I.D.O.T. COST INCIDENTAL TO THE CONTRACT.
11. IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATIONS TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AT CRITICAL POINTS SO AS TO AVOID ANY DAMAGE. ANY UTILITY, INCLUDING AIRFIELD ELECTRIC/COMMUNICATIONS CABLES AND LIGHTS, DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY HIM AT HIS OWN EXPENSE IN A MANNER, WHICH IS SATISFACTORY TO THE ENGINEER AND TO THE OWNER OF THE UTILITY. ANY REPAIRS THAT MUST BE MADE BY THE OWNER OF THE UTILITY SHALL HAVE THE COST REIMBURSED TO THE UTILITY BY THE CONTRACTOR. AIRFIELD LIGHTING/COMMUNICATION CABLES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY A QUALIFIED ELECTRICIAN WITH THE COSTS TO BORNE BY THE CONTRACTOR.
12. ALL WETLANDS SHALL REMAIN UNDISTURBED. NO EQUIPMENT/MATERIAL STORAGE OR STOCKPILING SHALL OCCUR WITHIN 50 FEET OF A WETLAND.
13. WORK FOR PHASE 1A AND PHASE 1B IS ANTICIPATED TO BE COMPLETED CONCURRENTLY.

NOTE: ALL COORDINATES PROVIDED ARE IN ILLINOIS STATE PLANE, NAD 83, ILLINOIS EAST

THE INFORMATION SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY OR SUFFICIENCY OF THE INFORMATION, AND THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE CONDITIONS INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE FIELD. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND ACQUAINT HIMSELF WITH THE EXISTING CONDITIONS.

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### WORK AREAS 3, 4B, 4C AND 5

#### LEGEND

- XX — NEW 10' CLASS E FENCE WITH BARBED WIRE AND 2' BURIED FABRIC
- ➔ CONTRACTOR'S HAUL ROUTE (AREAS 3, 4B AND 4C)
- ▲▲▲▲▲▲▲▲▲▲ TEMPORARY STAKE LATHE WITH "CAUTION" WARNING TAPE (SEE NOTE BELOW)
- IDOT TYPE 2 BARRICADE OR DRUM W/ RED LIGHT
- IDOT TYPE 2 BARRICADE OR DRUM W/ RED LIGHT (AREA 4C ONLY)
- RSA — RUNWAY SAFETY AREA (RSA)  
ACTIVE RUNWAY 4/22 500' FROM CENTERLINE  
ACTIVE RUNWAY 16/34 150' FROM CENTERLINE
- ROFA — RUNWAY OBJECT FREE AREA (ROFA)  
ACTIVE RUNWAY 4/22 400' FROM CENTERLINE  
ACTIVE RUNWAY 16/34 250' FROM CENTERLINE
- ROFZ — RUNWAY OBSTACLE FREE ZONE (ROFZ)  
ACTIVE RUNWAY 4/22 400' FROM CENTERLINE  
ACTIVE RUNWAY 16/34 200' FROM CENTERLINE
- ✈ AIRCRAFT MOVEMENT AREA
- ✕ CLOSED RUNWAY MARKER (AREA 4C ONLY)
- ➔ CONTRACTOR'S HAUL ROUTE (AREA 5 ONLY)

IL. CONTRACT: **KA047**  
 IL. LETTING ITEM: **03A**  
 IL. PROJECT: **IKK-4560**  
 S.B.G. PROJECT: **3-17-SPGP-XX**

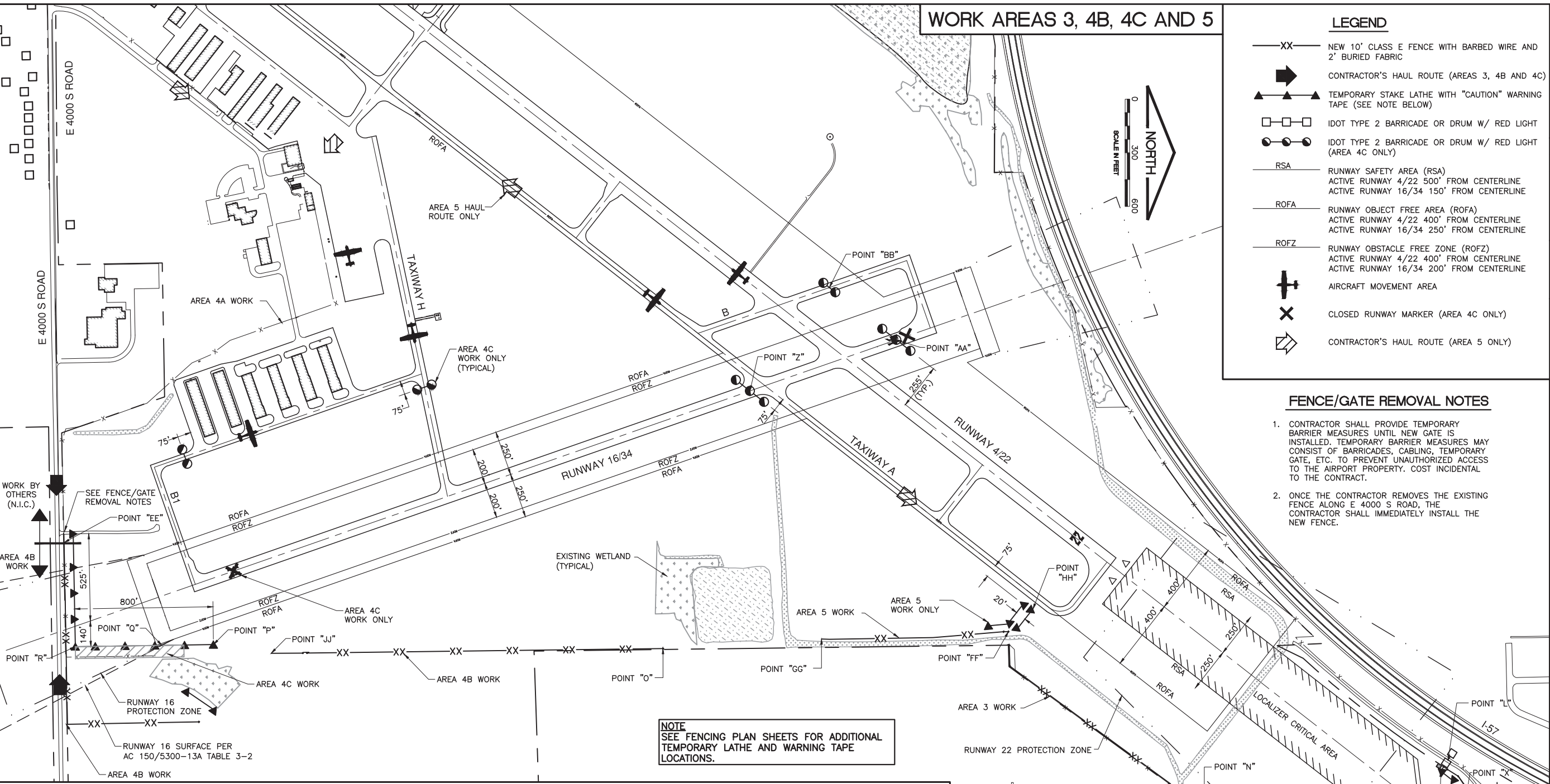
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REVISIONS		
NUMBER	BY	DATE

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 THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

#### FENCE/GATE REMOVAL NOTES

- CONTRACTOR SHALL PROVIDE TEMPORARY BARRIER MEASURES UNTIL NEW GATE IS INSTALLED. TEMPORARY BARRIER MEASURES MAY CONSIST OF BARRICADES, CABLING, TEMPORARY GATE, ETC. TO PREVENT UNAUTHORIZED ACCESS TO THE AIRPORT PROPERTY. COST INCIDENTAL TO THE CONTRACT.
- ONCE THE CONTRACTOR REMOVES THE EXISTING FENCE ALONG E 4000 S ROAD, THE CONTRACTOR SHALL IMMEDIATELY INSTALL THE NEW FENCE.



**NOTE**  
 SEE FENCING PLAN SHEETS FOR ADDITIONAL TEMPORARY LATHE AND WARNING TAPE LOCATIONS.

#### SUGGESTED SEQUENCE OF CONSTRUCTION

- NOTIFY RESIDENT ENGINEER/AIRPORT MANAGER 14 DAYS PRIOR TO START OF CONSTRUCTION TO ISSUE APPROPRIATE NOTAMS.
- WORK AREAS 3, 4 AND 5.
  - PLACE BARRICADES, LATHE AND TAPE AS SHOWN.
  - LOCATE ALL UTILITIES.
  - LOCATE APPROPRIATE PROPERTY CORNERS AND STAKE PROPOSED FENCE LAYOUT.
  - CLEAR FENCE LINE AS NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER.
  - AUGER POST HOLES AND INSTALL POSTS.
  - INSTALL TOP RAIL AND TENSION WIRE.
  - PLACE FABRIC AND SIGNS.
  - INSTALL VEHICLE GATE AND WILDLIFE DETERRENT PAD.
  - SEED AND MULCH AREAS SHOWN ON THE PLANS.
  - REMOVE MISCELLANEOUS DEBRIS, LATHE, TAPE AND BARRICADES FROM WORK AREA.
- RESTORE STAGING AREAS.

WORK AREA	ALLOWABLE WORK PERIODS	OPERATIONAL STATUS/RESTRICTION
N.I.C. AREA 1	NO RESTRICTIONS	ALL RUNWAYS/TAXIWAYS OPEN
N.I.C. AREA 2	NO RESTRICTIONS	ALL RUNWAYS/TAXIWAYS OPEN
N.I.C. AREA 3	NO RESTRICTIONS	ALL RUNWAYS/TAXIWAYS OPEN
N.I.C. AREA 4A	NO RESTRICTIONS	ALL RUNWAYS/TAXIWAYS OPEN
AREA 4B	NO RESTRICTIONS	ALL RUNWAYS/TAXIWAYS OPEN
AREA 4C	CONTRACTOR ALLOWED TO CLOSE RUNWAY 16/34 FOR ONE (1) DAY. ALL WORK WITHIN THE DESIGNATED AREA SHALL BE COMPLETED. BARRICADES AND RUNWAY CLOSURE MARKERS SHALL BE PLACED AS NOTED ON WORK AREA PLAN VIEW OR AS DIRECTED BY THE ENGINEER AND/OR AIRPORT.	RUNWAY 4/22 OPEN RUNWAY 16/34 CLOSED TAXIWAY B1 CLOSED TAXIWAY H AND B PARTIALLY CLOSED ALL OTHER TAXIWAYS OPEN
AREA 4B	CONTRACTOR ALLOWED TO USE AREA 4C AS HAUL ROUTE BETWEEN WORK AREA 4B SECTIONS, WHEN IN RADIO CONTACT WITH ACTIVE AIRFIELD. SEE NOTE 32 ON SEQUENCE OF CONSTRUCTION NOTES SHEET. NO AIRFIELD BARRICADES/RUNWAY CLOSED MARKERS ARE REQUIRED TO BE PLACED.	ALL RUNWAYS/TAXIWAYS OPEN
AREA 5	CONTRACTOR IS ALLOWED TO USE TAXIWAY A AS A HAUL ROUTE TO WORK AREA 5. CONTRACTOR SHALL PROVIDE AN ESCORT, IN RADIO CONTACT WITH THE ACTIVE AIRFIELD AT ALL TIMES, FOR ALL PERSONNEL, EQUIPMENT, ETC. THAT NEED ACCESS TO AND FROM THE MAIN APRON TO WORK AREA 5	ALL RUNWAYS/TAXIWAYS OPEN

**KANKAKEE VALLEY AIRPORT AUTHORITY**  
**KANKAKEE, ILLINOIS**  
**PHASE 1B - PERIMETER SAFETY/WILDLIFE FENCE**  
**SEQUENCE OF CONSTRUCTION**

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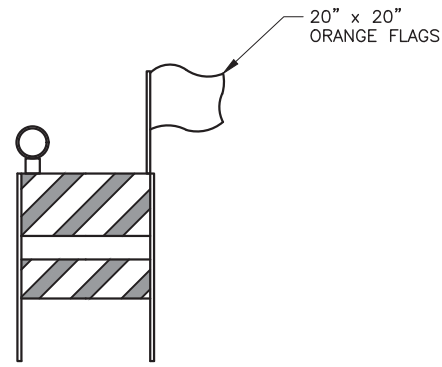
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JOB No:	14075-05

**FINAL**

SHEET 3 OF 14 SHEETS



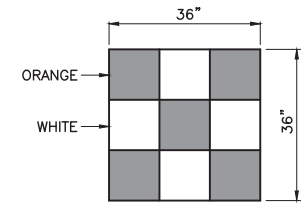
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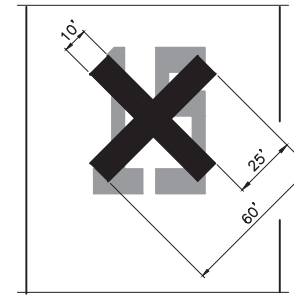
**FLASHER BARRICADE DETAIL**  
NOT TO SCALE

**NOTES**

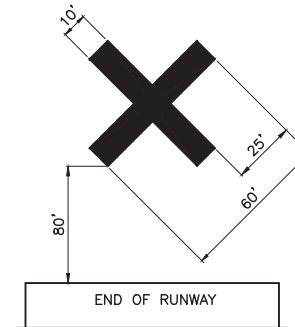
1. FLASHERS TO BE BATTERY OPERATED. LENS TO BE RED AND BE ABLE TO ROTATE 90 DEGREES. ALTERNATE FLASHER LENSES SO THAT EVERY OTHER LENS IS ROTATED 90°.
2. SANDBAGS TO BE PLACED ON EACH SUPPORT BRACE AS REQUIRED TO PREVENT DISPLACEMENT BY WIND, JET OR PROP BLAST.
3. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
4. PLACE AT TEN (10') INTERVALS.
5. ONE 20"x20" ORANGE FLAG TO BE INSTALLED ON EACH BARRICADE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING BARRICADES AT ALL TIMES TO THE SATISFACTION OF THE AIRPORT MANAGER.



**CONSTRUCTION EQUIPMENT AND TRUCK SIGNAL FLAG**  
NOT TO SCALE



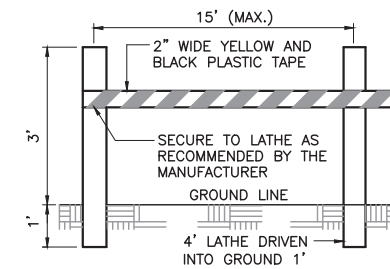
**ON PAVEMENT TEMPORARY CLOSED RUNWAY MARKER DETAIL**  
NOT TO SCALE



**OFF PAVEMENT TEMPORARY CLOSED RUNWAY MARKER DETAIL**  
NOT TO SCALE

**CLOSED RUNWAY MARKER DETAIL NOTES**

1. CLOSED RUNWAY MARKERS SHALL BE YELLOW.
2. MARKERS SHALL BE MATERIAL APPROVED BY THE ENGINEER.
3. CONTRACTOR SHALL MAINTAIN AND RELOCATE MARKERS AS SHOWN ON THE PLANS OR AS NEEDED TO FACILITATE CONSTRUCTION
4. MARKERS ON PAVEMENT SHALL BE PLACED OVER EXISTING RUNWAY NUMERALS AS SHOWN.
5. COST OF FURNISHING, INSTALLING, MAINTAINING AND REMOVING MARKERS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
6. DURING VARIOUS PHASES OF WORK, IT WILL BE NECESSARY TO CLOSE RUNWAYS TO AIR TRAFFIC ON A TEMPORARY BASIS AS COORDINATED WITH THE AIRPORT AND TOWER PERSONNEL. THE CONTRACTOR SHALL MARK THE RUNWAYS TO BE CLOSED BY PLACING A YELLOW CROSS AT THE LOCATION AND DIMENSIONS DETAILED ON THIS SHEET. THE CROSSES ARE SHOWN ON THE RESPECTIVE RUNWAYS ACCORDING TO THE VARIOUS PHASES OF WORK AS DELINEATED IN THE SUGGESTED SEQUENCE OF CONSTRUCTION.



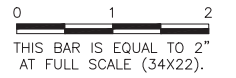
**LATHING AND WARNING TAPE DETAIL**  
NOT TO SCALE

MATERIALS ARE TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION. COST OF MATERIALS, INSTALLATION, RELOCATION AND MAINTENANCE OF LATHING AND WARNING TAPE SHALL BE INCIDENTAL TO THE CONTRACT.

IL. CONTRACT: **KA047**  
 IL. LETTING ITEM: **03A**  
 IL. PROJECT: **IKK-4560**  
 S.B.G. PROJECT: **3-17-SPGP-XX**

SURVEY BOOK # BOOK #

REVISIONS		
NUMBER	BY	DATE



**KANKAKEE VALLEY AIRPORT AUTHORITY**  
**KANKAKEE, ILLINOIS**  
**PHASE 1B - PERIMETER SAFETY/WILDLIFE FENCE**

**SEQUENCE OF CONSTRUCTION DETAILS**

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# STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE WITH NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIMEFRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING, WHICH WILL BE THE CONTRACTOR'S COST. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THE PLANS.

### SITE DESCRIPTION

THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

THIS PROJECT CONSISTS OF CONSTRUCTING A NEW SECURITY FENCE WITH BURIED WILDLIFE FENCING AT KANKAKEE AIRPORT.

THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS EXCAVATION AND GRADING:

1. INSTALL AND MAINTAIN TEMPORARY EROSION CONTROL MEASURES.
2. REMOVE EXISTING FENCE.
3. INSTALL THE NEW FENCE POSTS AND DETERRENT FENCE EXCAVATION.
4. INSTALL NEW FENCE IMPROVEMENTS.
5. FINAL GRADING AND OTHER MISCELLANEOUS ITEMS.
6. PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS SEEDING AND BLANKET.

### AREA OF CONSTRUCTION SITE

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 5.1 ACRES OF WHICH 4.6 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING AND OTHER ACTIVITIES.

### OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, SPECIFICATION AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

### DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

THE CONSTRUCTION SITE DRAINS INTO THE UNNAMED TRIBUTARIES THAT OUTLET INTO THE KANKAKEE RIVER.

### SEDIMENTATION AND EROSION CONTROL NOTES

THE SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED WEEKLY AND AFTER 1/2 INCH OF RAIN OR MORE BY THE RESIDENT ENGINEER.

ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE REFERENCED FROM THE ILLINOIS URBAN MANUAL, UNLESS OTHERWISE STATED.

THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE SEEDING AND MULCHING AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, INLET PROTECTION AND PERIMETER SILT FENCE SHALL BE INSTALLED AS CALLED OUT IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER 1LR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

### DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

1. WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
2. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED, AT THE CONTRACTORS EXPENSE, IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.
3. AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
  - A. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
  - B. EXCAVATED AREAS AND EMBANKMENT AREAS SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED, AT THE CONTRACTOR'S COST, IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR SEVEN DAYS.
4. CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

5. SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR UNCLASSIFIED EXCAVATION AND EROSION CONTROL ITEMS.
6. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

### DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS ARE SEEDED AND ESTABLISHED.

ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEEDED.

### MAINTENANCE AFTER CONSTRUCTION

CONSTRUCTION IS COMPLETE AFTER FINAL ACCEPTANCE BY THE ILLINOIS DIVISION OF AERONAUTICS. MAINTENANCE UP TO THIS DATE WILL BE REQUIRED BY THE CONTRACTOR.

### CONTRACTORS

1. THE STORM WATER POLLUTION PREVENTION PLAN MUST CLEARLY IDENTIFY FOR EACH MEASURE IDENTIFIED IN THE PLAN, THE CONTRACTOR(S) OR SUBCONTRACTOR(S) THAT WILL IMPLEMENT THE MEASURE. ALL CONTRACTORS AND SUBCONTRACTORS IDENTIFIED IN THE PLAN MUST SIGN A COPY OF THE CERTIFICATION STATEMENT IN PARAGRAPH 2 BELOW IN ACCORDANCE WITH PART VI.G (SIGNATORY REQUIREMENTS) OF THIS PERMIT. ALL CERTIFICATIONS MUST BE INCLUDED IN THE STORM WATER POLLUTION PREVENTION PLAN EXCEPT FOR OWNERS THAT ARE ACTING AS CONTRACTOR.
2. CERTIFICATION STATEMENT. ALL CONTRACTORS AND SUBCONTRACTORS IDENTIFIED IN A STORM WATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH PARAGRAPH 1 ABOVE SHALL SIGN A COPY OF THE FOLLOWING CERTIFICATION STATEMENT BEFORE CONDUCTING ANY PROFESSIONAL SERVICE AT THE SITE IDENTIFIED IN THE STORM WATER POLLUTION PREVENTION PLAN:

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (1LR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION."

THE CERTIFICATION MUST INCLUDE THE NAME AND TITLE OF THE PERSON PROVIDING THE SIGNATURE IN ACCORDANCE WITH PART VI.G OF THIS PERMIT: THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE CONTRACTING FIRM; THE ADDRESS (OR OTHER IDENTIFYING DESCRIPTION) OF THE SITE; AND THE DATE THE CERTIFICATION IS MADE.

### CONTRACTOR CERTIFICATION STATEMENT

THIS CERTIFICATION STATEMENT IS A PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR THE PROJECT DESCRIBED BELOW IN ACCORDANCE WITH NPDES PERMIT NO. 1LR10 ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.

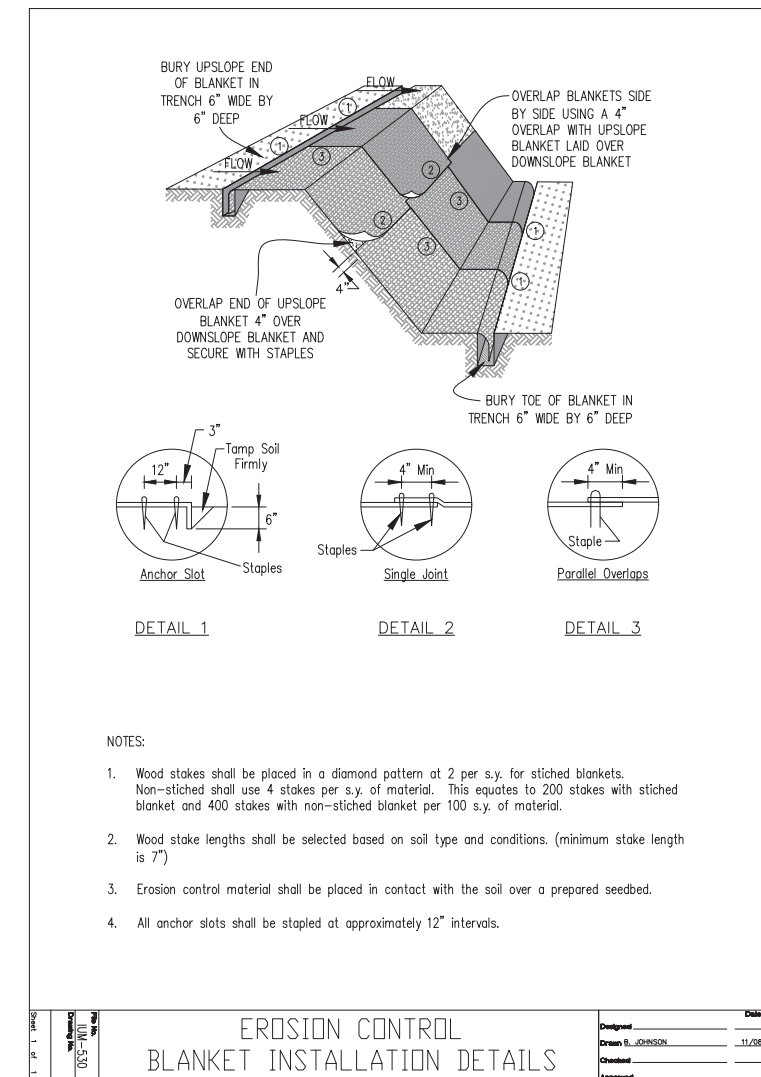
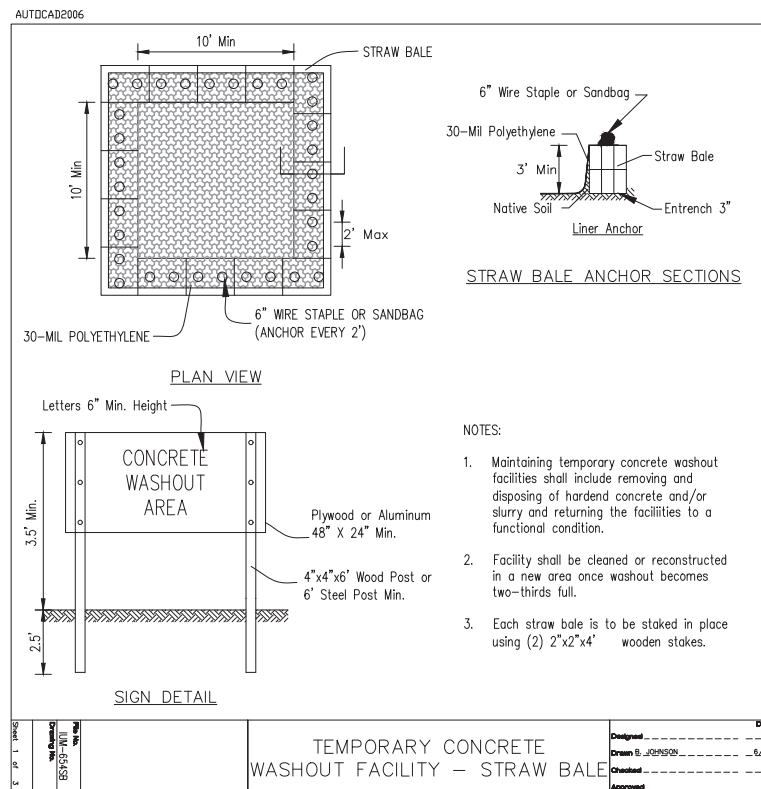
#### PROJECT INFORMATION:

ROUTE: GREATER KANKAKEE AIRPORT MARKED: PHASE 1B - PERIMETER SAFETY/WILDLIFE FENCE  
 SECTION: 16 & 21 PROJECT NUMBER: IKK-4560  
 COUNTY: KANKAKEE CONTRACT NUMBER: 3-17-SBGP-XX (KA047)

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (1LR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PRINTED NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 NAME OF FIRM: \_\_\_\_\_  
 STREET ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP: \_\_\_\_\_  
 PHONE NUMBER: \_\_\_\_\_

THE INFORMATION WITHIN THIS BOX SHALL BE COMPLETED BY THE CONTRACTOR AFTER THE AWARD OF THE CONTRACT TO OBTAIN THE REQUIRED NPDES PERMIT FROM IEPA. COMPLETION OF THIS IS A CONTRACT REQUIREMENT.



- NOTES:
1. Wood stakes shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 stakes per s.y. of material. This equates to 200 stakes with stiched blanket and 400 stakes with non-stiched blanket per 100 s.y. of material.
  2. Wood stake lengths shall be selected based on soil type and conditions. (minimum stake length is 7")
  3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
  4. All anchor slots shall be stapled at approximately 12" intervals.

IL. CONTRACT: **KA047**  
 IL. LETTING ITEM: **03A**  
 IL. PROJECT: **IKK-4560**  
 S.B.G. PROJECT: **3-17-SPGP-XX**

SURVEY BOOK # BOOK #

### REVISIONS

NUMBER	BY	DATE

0 1 2  
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**KANKAKEE VALLEY AIRPORT AUTHORITY**  
**KANKAKEE, ILLINOIS**  
**PHASE 1B - PERIMETER SAFETY/WILDLIFE FENCE**  
**STORM WATER POLLUTION PREVENTION PLAN**  
**NOTES AND DETAILS**

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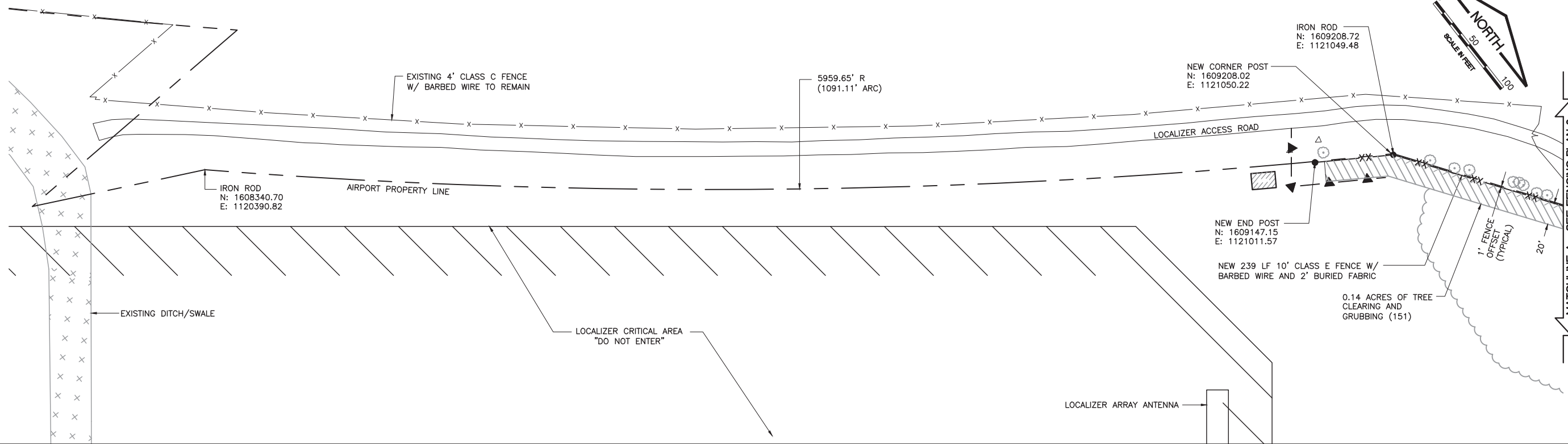
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 APPROVED BY: ARM  
 DATE: APRIL 21, 2017

JOB No: 14075-05

**FINAL**

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INTERSTATE 57



IL. CONTRACT: **KA047**  
 IL. LETTING ITEM: **03A**  
 IL. PROJECT: **IKK-4560**  
 S.B.G. PROJECT: **3-17-SPGP-XX**

SURVEY BOOK # BOOK #

REVISIONS		
NUMBER	BY	DATE

0 1 2  
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**KANKAKEE VALLEY AIRPORT AUTHORITY**  
**KANKAKEE, ILLINOIS**  
**PHASE 1B - PERIMETER SAFETY/WILDLIFE FENCE**  
**FENCING PLAN 1**

**LEGEND**

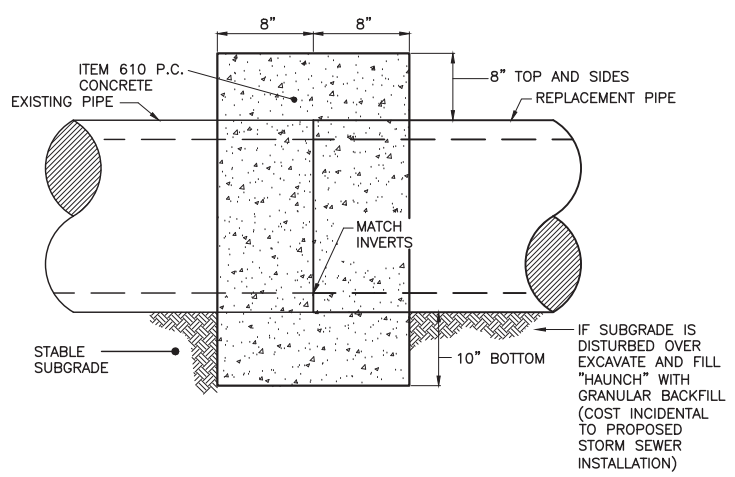
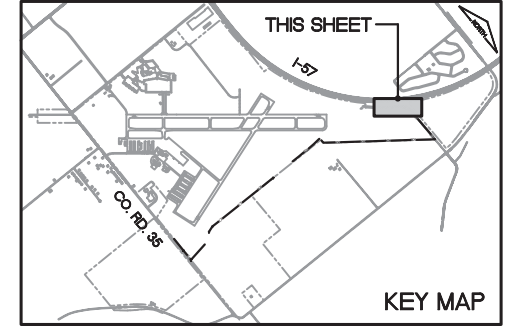
- XX— NEW 10' CLASS E CHAIN LINK FENCE W/ BARBED WIRE AND 2' BURIED FENCE
- ▲—▲—▲ NEW "CAUTION" TAPE AND LATHE (SEE GENERAL NOTE 6)
- x— EXISTING FENCE
- - - EXISTING AIRPORT PROPERTY LINE
- SS- EXISTING STORM SEWER
- □ □ EXISTING STORM SEWER STRUCTURE
- SAN- EXISTING SANITARY SEWER
- E- EXISTING ELECTRIC
- W- EXISTING WATER MAIN
- ⊙ ⊙ EXISTING FIRE HYDRANT
- ⊕ EXISTING WATER VALVE
- G- EXISTING GAS MAIN
- T- EXISTING TELEPHONE LINE
- OHE- EXISTING OVERHEAD ELECTRIC
- ⊙ EXISTING UTILITY POLE
- FO- EXISTING FIBER OPTIC CABLE
- ⊠ ⊠ EXISTING HANDHOLE
- - - EXISTING EASEMENT
- X/R ITEM TO BE REMOVED
- + + + + + EXISTING WATERS OF THE UNITED STATES
- ⬇ ⬇ ⬇ EXISTING WETLAND
- ⬆ ⬆ ⬆ EXISTING TREE/BRUSH LINE
- ▨ EXISTING TREES AND BRUSH TO BE CLEARED AND GRUBBED (151)
- UTILITY POLE GUY TIE POINT
- ▭ EXISTING BUILDING
- ⊙ EXISTING TREE/BUSH

**EROSION CONTROL NOTES**

- THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER PERMIT FOR CONSTRUCTION SITE ACTIVITIES.
- ALL PROJECT AREAS, INCLUDING STOCKPILES, ABANDONED HAUL ROADS AND STAGING AREAS, AS SHOWN ON THE PLANS, SHALL HAVE 4 INCHES OF TOPSOIL PLACED AND BE SEEDED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS. AREAS DISTURBED OUTSIDE THE PROJECT LIMITS WILL BE SEEDED AND MULCHED BY THE CONTRACTOR AT HIS COST AND RESTORED TO ORIGINAL CONDITIONS.
- FOR DETAILS, SEE STORMWATER POLLUTION PREVENTION NOTES AND DETAILS SHEET.
- NOT USED.
- NOT USED.
- SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH 1/2" RAIN EVENT.
- THE CONTRACTOR SHALL HAVE A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN ON THE SITE AT ALL TIMES.
- ANY FIELD/DRAIN TILES THAT ARE DAMAGED IN ANY WAY SHALL BE IMMEDIATELY REPAIRED ACCORDING TO THE PLANS/SPECIFICATIONS AND SHALL BE PROTECTED FROM SEDIMENT-LADEN WATER.
- PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW.

**GENERAL NOTES**

- ALL LENGTHS SHOWN FOR FENCE REMOVALS OR NEW FENCE ARE FOR THE SECTIONS SHOWN ON THAT SHEET ONLY.
- SHOULD THE AIRPORT NOT WANT THE REMOVED MATERIALS, ALL FENCING MATERIALS REMOVED SHALL BE DISPOSED OF OFF AIRPORT PROPERTY, AT NO ADDITIONAL COST TO THE CONTRACT.
- HOLES FROM REMOVED POSTS SHALL BE BACKFILLED, COMPACTED AND SEEDED. RESTORATION COSTS SHALL BE INCLUDED IN THE COSTS TO REMOVE THE EXISTING FENCE.
- NEW FENCE SHALL BE INSTALLED NO CLOSER THAN 1' FROM THE PROPERTY LINE UNLESS OTHERWISE SHOWN OR DIRECTED BY THE RESIDENT ENGINEER AND AIRPORT.
- NEW FENCE ROUTING MAY BE ADJUSTED IN THE FIELD BY RESIDENT ENGINEER FOR EXISTING CONDITIONS ENCOUNTERED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR SAID FIELD ADJUSTMENTS.
- CONTRACTOR SHALL INSTALL "CAUTION DO NOT ENTER" TAPE AND LATHE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. COST INCIDENTAL TO THE CONTRACT.
- AREAS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER TO BE CLEARED AND GRUBBED SHALL BE SMOOTHLY GRADED TO DRAIN MEETING THE SATISFACTION OF THE ENGINEER AND AIRPORT. GRADING SHALL BE INCIDENTAL TO THE SEEDING PAY ITEM. THE AREAS DISTURBED BY CLEARING AND GRUBBING OPERATIONS SHALL BE SEEDED (901) AND MULCHED (908).
- GATE LOCATIONS TO BE COORDINATED WITH THE AIRPORT.
- UPON REQUEST BY THE CONTRACTOR, A COPY OF THE AIRPORT'S BOUNDARY SURVEY IS AVAILABLE FOR USE BY THE CONTRACTOR.
- WHEN THE NEW FENCE IS LOCATED WITHIN OR ADJACENT TO A FARM FIELD, THE CONTRACTOR SHALL SEED (901) AND BLANKET (156) THE FARM FIELD WITHIN 5' OF THE FENCE AS DIRECTED BY THE ENGINEER.
- FARM FIELD TILES MUST BE PROTECTED BY THE CONTRACTOR. FARM FIELD TILES ENCOUNTERED DURING CONSTRUCTION, IF DAMAGED, MUST BE REPLACED IN KIND AT THE CONTRACTOR'S COST.
- DURING DEWATERING OPERATION, WATER SHALL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. COSTS OF DEWATERING, SEDIMENT BASINS AND SILT TRAPS ARE INCIDENTAL TO THE CONTRACT. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.
- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2012.
- WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL.
- IN AREAS WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF COMPLETION, AND IN AREAS WORK HAS TEMPORARILY CEASED, TEMPORARY STABILIZATION SHALL OCCUR BY THE 14TH DAY AFTER WORK HAS CEASED.
- SEE GENERAL NOTES 7 AND 10.
- TEMPORARY SEEDING (156) SHALL BE PAID FOR ONLY WHEN NEEDED FOR WINTERIZATION OF THE SITE AT THE LOCATIONS NOTED BY THE ENGINEER. ALL OTHER APPLICATIONS OF TEMPORARY SEED NEEDED FOR COMPLIANCE FOR THE NPDES PERMIT SHALL BE INCIDENTAL TO THE CONTRACT.



**CONCRETE COLLAR - FIELD TILE**  
NOT TO SCALE

NOTE: COST INCIDENTAL TO INSTALLATION OF PROPOSED PIPE

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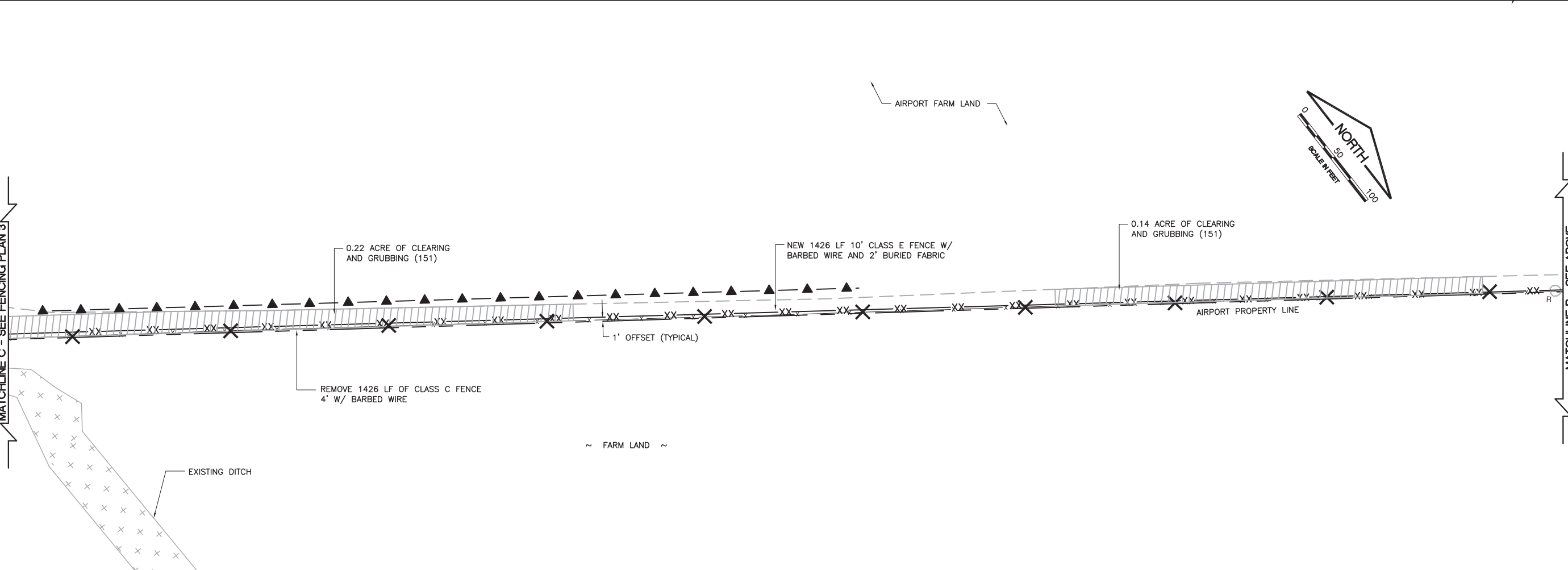
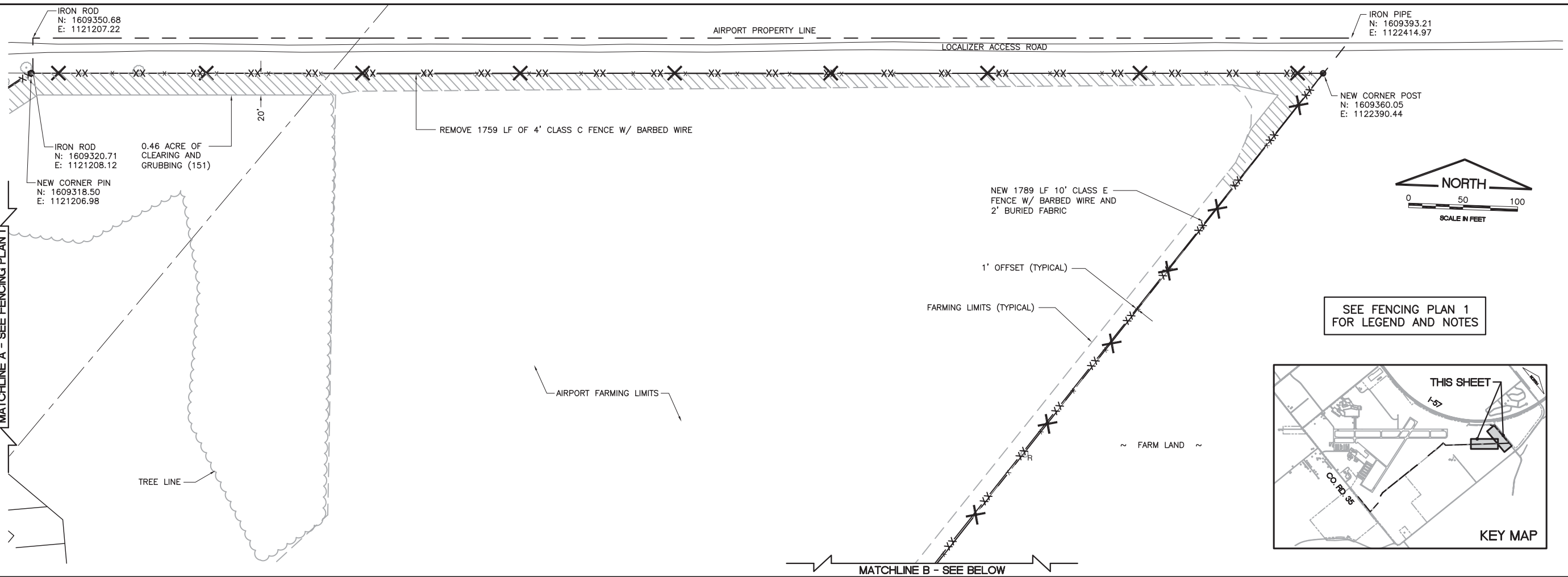
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CHECKED BY:	DKP
APPROVED BY:	ARM
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JOB No:	14075-05

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 JOB No: 14075-05  
 SHEET 8 OF 14 SHEETS



IL. CONTRACT: **KA047**  
 IL. LETTING ITEM: **03A**  
 IL. PROJECT: **IKK-4560**  
 S.B.G. PROJECT: **3-17-SPGP-XX**

SURVEY BOOK # BOOK #

REVISIONS		
NUMBER	BY	DATE

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**KANKAKEE VALLEY AIRPORT AUTHORITY**  
**KANKAKEE, ILLINOIS**  
**PHASE 1B - PERIMETER SAFETY/WILDLIFE FENCE**

**FENCING PLAN 2**

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DATE:	APRIL 21, 2017
JOB No:	14075-05

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SHEET 8 OF 14 SHEETS

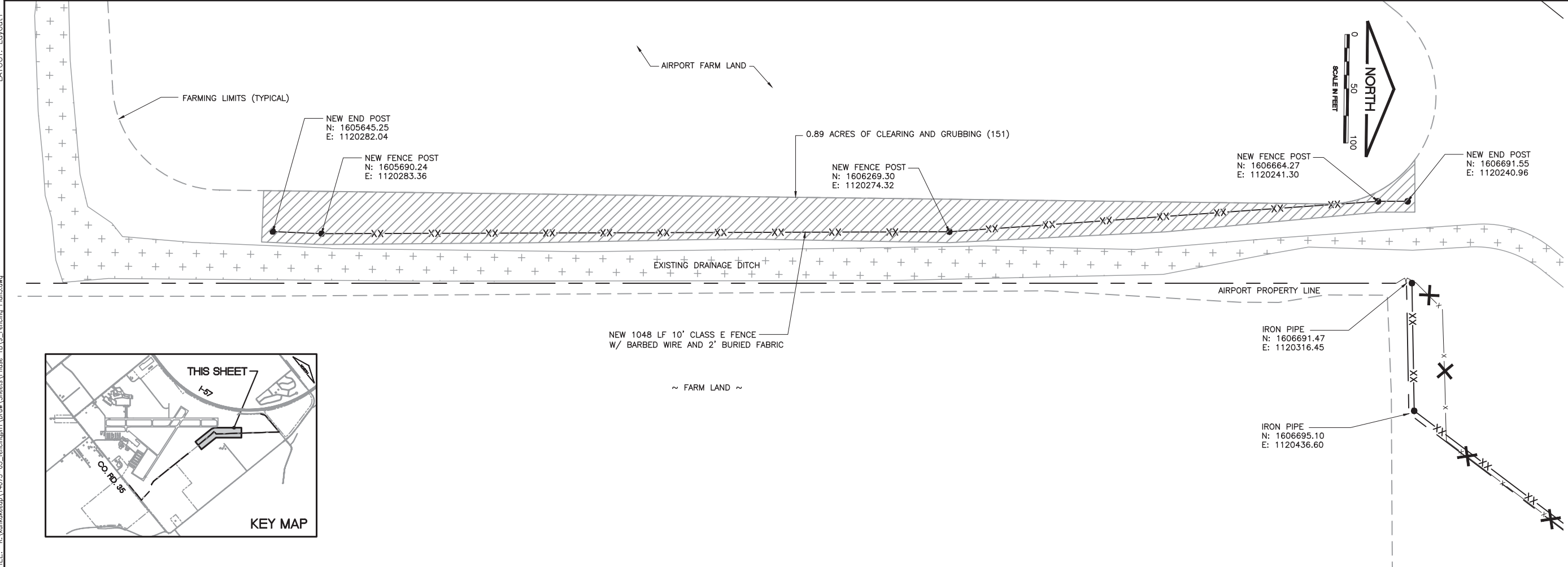
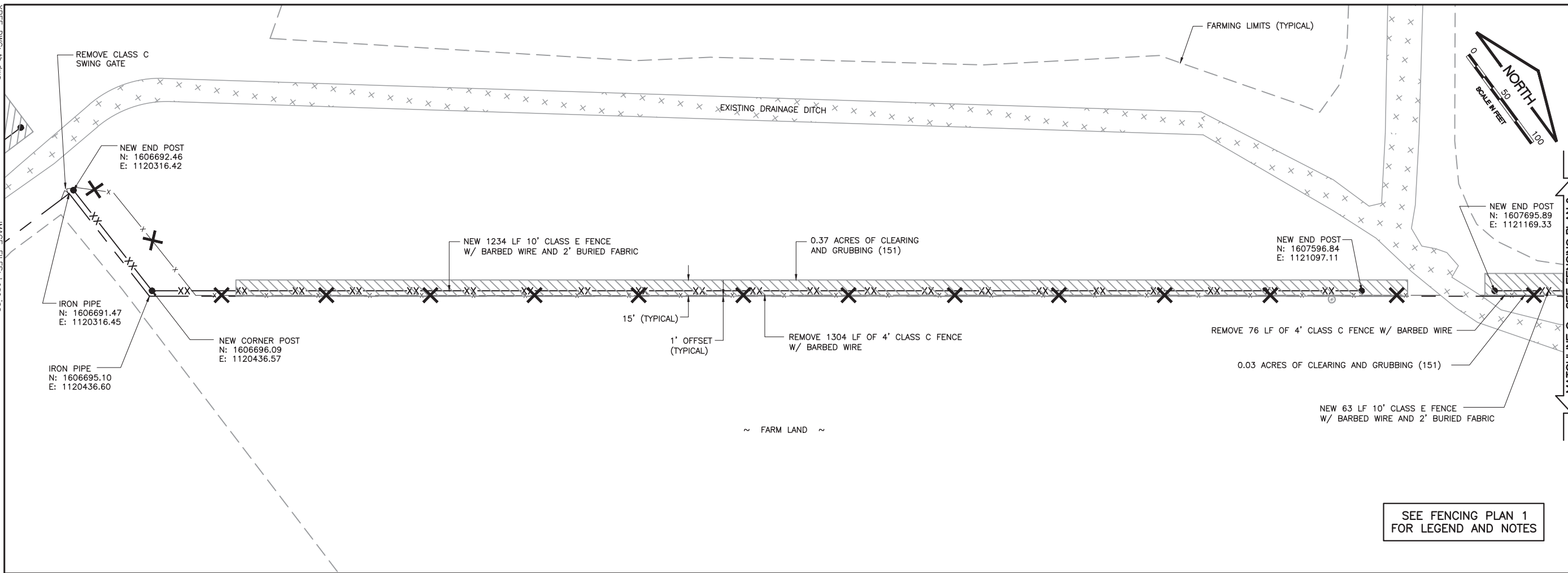
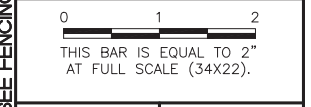


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IL. CONTRACT: **KA047**  
 IL. LETTING ITEM: **03A**  
 IL. PROJECT: **IKK-4560**  
 S.B.G. PROJECT: **3-17-SPGP-XX**


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**KANKAKEE VALLEY AIRPORT AUTHORITY**  
**KANKAKEE, ILLINOIS**  
**PHASE 1B - PERIMETER SAFETY/WILDLIFE FENCE**  
**FENCING PLAN 3**

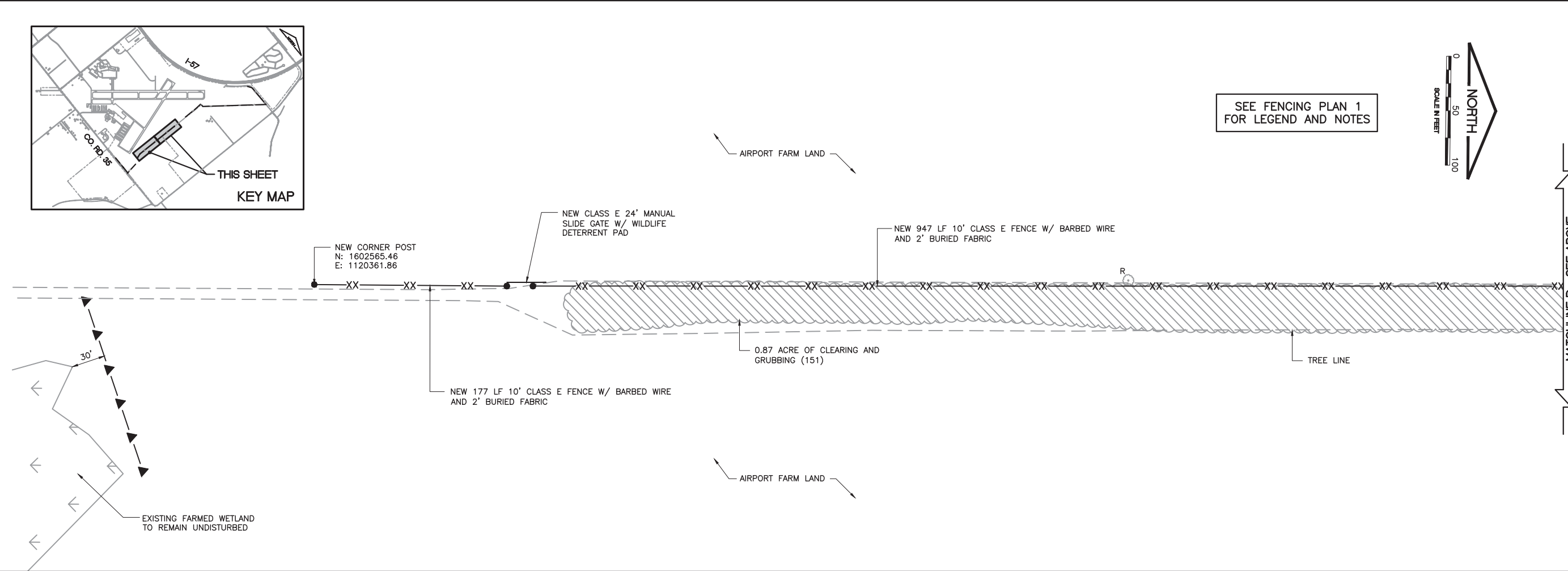
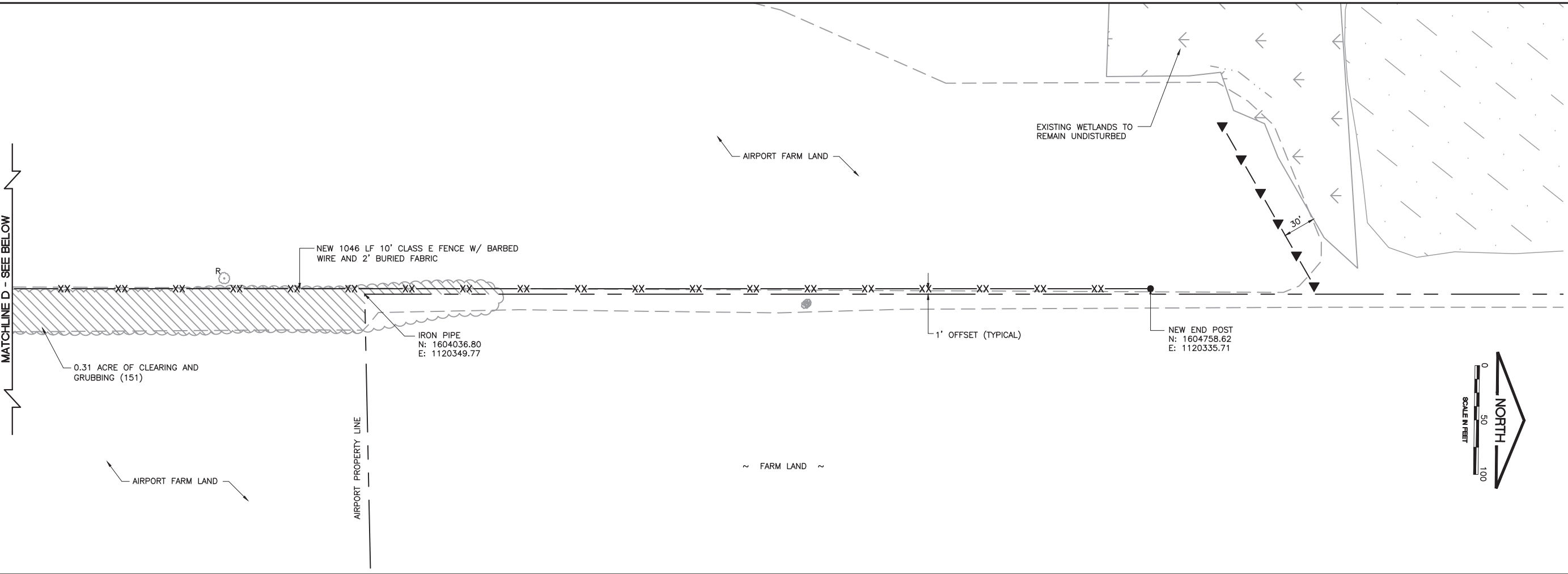
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DATE:	APRIL 21, 2017
JOB No:	14075-05

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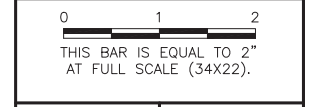
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IL. CONTRACT: **KA047**  
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 IL. PROJECT: **IKK-4560**  
 S.B.G. PROJECT: **3-17-SPGP-XX**

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**KANKAKEE VALLEY AIRPORT AUTHORITY**  
**KANKAKEE, ILLINOIS**  
**PHASE 1B - PERIMETER SAFETY/WILDLIFE FENCE**

**FENCING PLAN 4**

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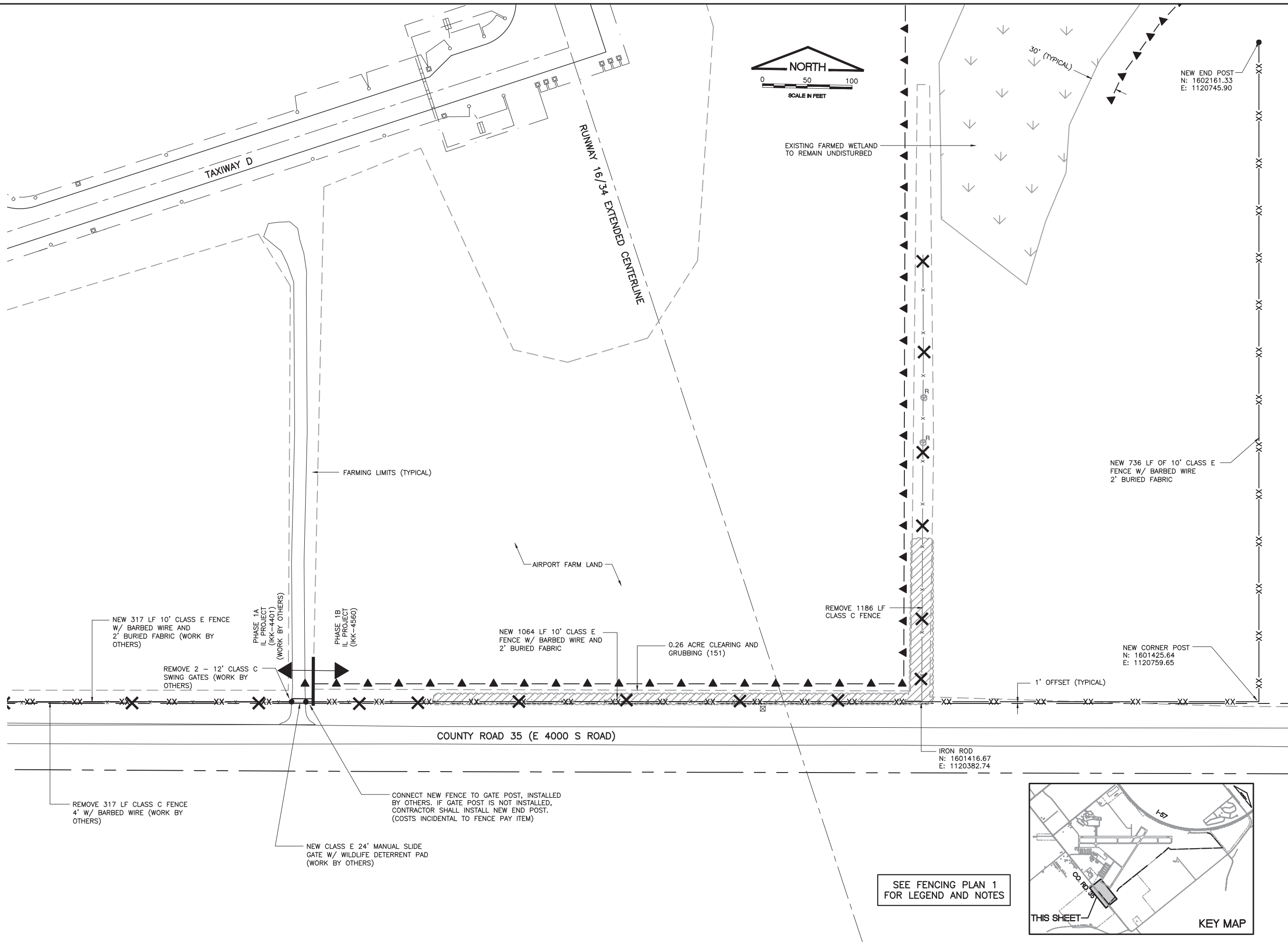
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 S.B.G. PROJECT: **3-17-SPGP-XX**

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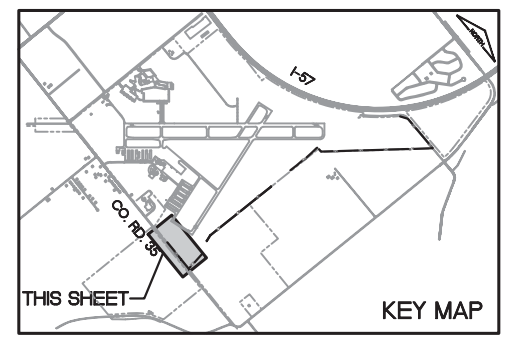
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**PHASE 1B - PERIMETER SAFETY/WILDLIFE FENCE**  
**FENCING PLAN 5**

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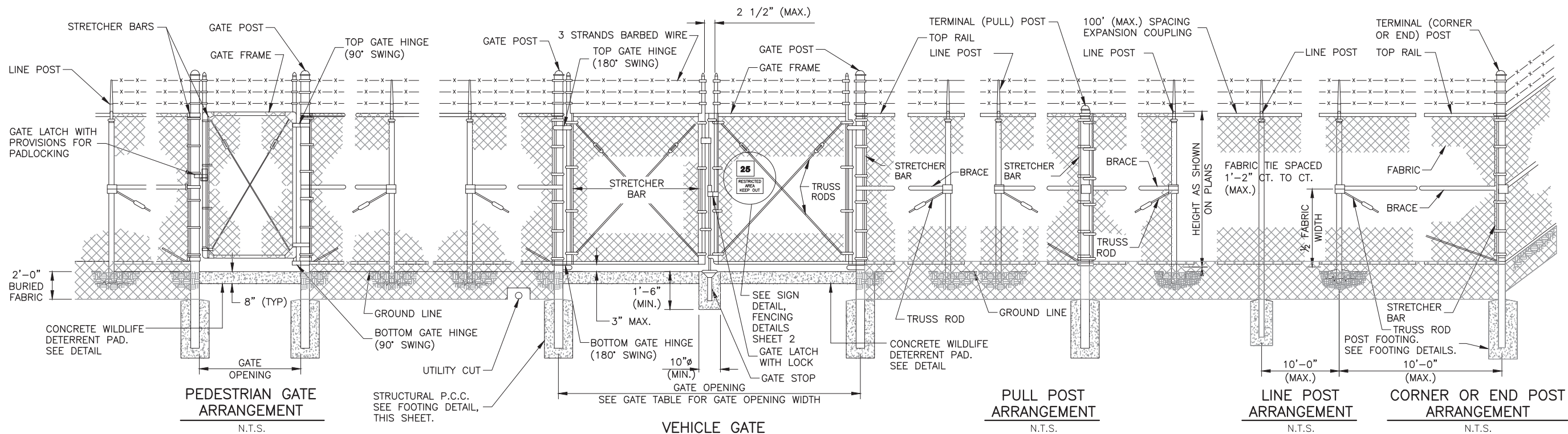
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DATE:	APRIL 21, 2017
JOB No:	14075-05

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 SHEET 11 OF 14 SHEETS

SEE FENCING PLAN 1 FOR LEGEND AND NOTES



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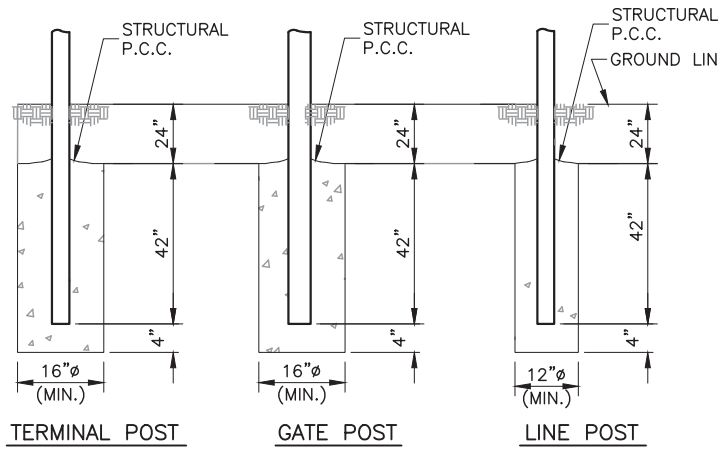


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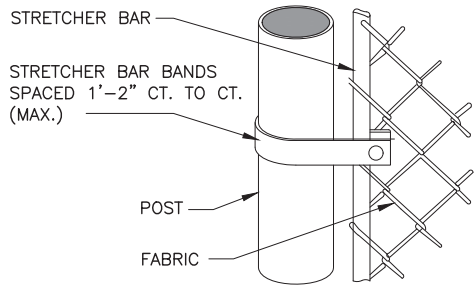
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REVISIONS		
NUMBER	BY	DATE

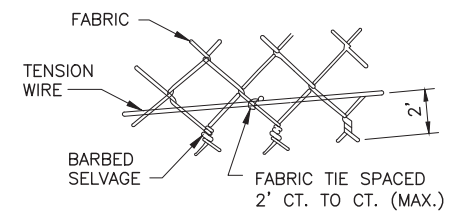
0 1 2  
 THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).



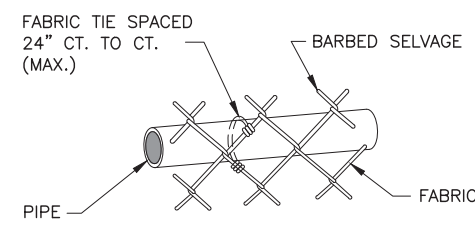
**FOOTING DETAILS**  
N.T.S.



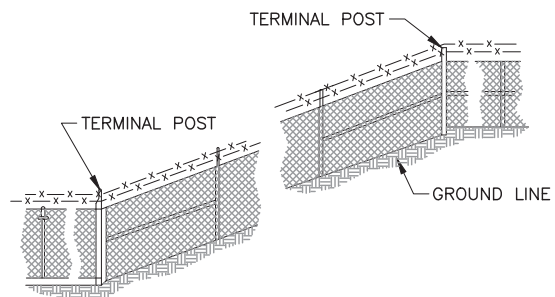
**FASTENING STRETCHER BAR TO POST**  
N.T.S.



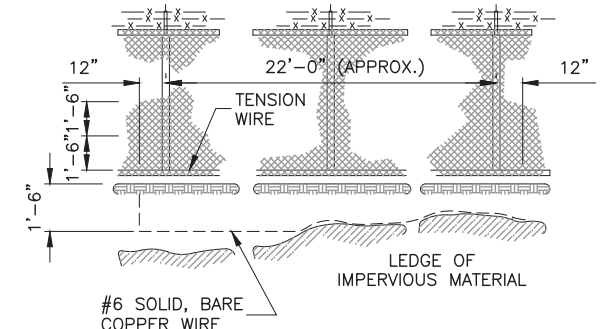
**TYING FABRIC TO TENSION WIRE**  
N.T.S.



**TYING FABRIC TO PIPE**  
N.T.S.



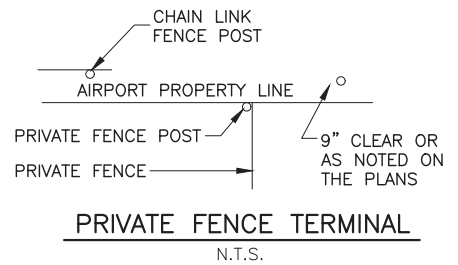
**FENCE INSTALLATION ON SLOPES**  
N.T.S.



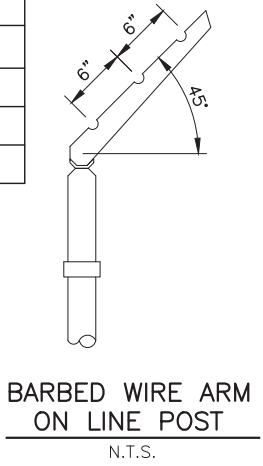
**PROTECTIVE ELECTRICAL GROUND DETAILS**  
N.T.S.

- NOTES**
- CONTINUOUS FENCE SHALL BE GROUNDED AT INTERVALS NOT EXCEEDING 500 FT. EXCEPT THERE SHALL BE A GROUND NOT EXCEEDING 100 FT. FROM GATE IN EACH SECTION OF THE FENCE ADJACENT TO THE GATE.
  - FENCE UNDER POWER LINES SHALL BE GROUNDED BY 3 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 CROSSINGS.
  - THE COUNTERPOISE SHALL BE USED ONLY WHERE IT IS IMPOSSIBLE TO DRIVE A GROUND ROD BECAUSE OF 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.

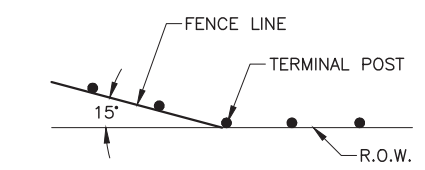
POST TYPE	ASTM F 1083		ASTM F 1043	
	DIAMETER	WEIGHT	DIAMETER	WEIGHT
CORNER, END, PULL	3.5" O.D.	7.58 LB/FT	3.5" O.D.	5.71 LB/FT
LINE POST	2.875" O.D.	5.80 LB/FT	2.875" O.D.	4.64 LB/FT
TOP RAIL	1.66" O.D.	2.27 LB/FT	1.66" O.D.	1.84 LB/FT
GATE POST	4" O.D.	9.12 LB/FT	4" O.D.	6.56 LB/FT



**PRIVATE FENCE TERMINAL**  
N.T.S.



**BARBED WIRE ARM ON LINE POST**  
N.T.S.



WHERE FENCE LINE HAS A CHANGE IN DIRECTION OF 15° OR MORE, A TERMINAL POST SHALL BE PLACED AS SHOWN ABOVE. WHERE ANGLE IS LESS THAN 15° AND EXISTING CONDITIONS REQUIRE A TERMINAL POST, THEY SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

**INSTALLATION AT CORNERS**  
N.T.S.

**KANKAKEE VALLEY AIRPORT AUTHORITY**  
**KANKAKEE, ILLINOIS**  
**PHASE 1B - PERIMETER SAFETY/WILDLIFE FENCE**  
**FENCING DETAILS 1**

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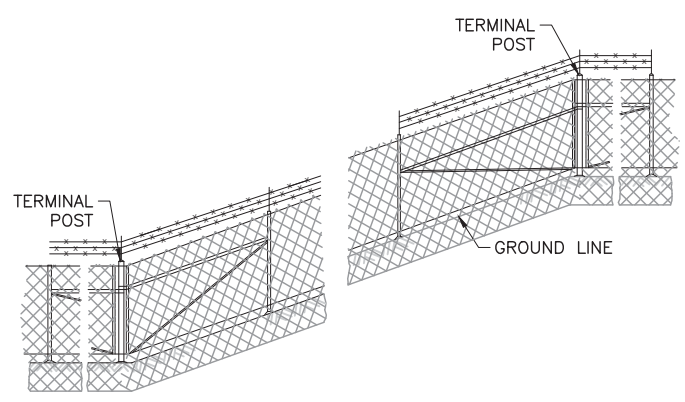
**CMT**  
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 CONSULTING ENGINEERS  
 License No. 184-000613

**KANKAKEE VALLEY AIRPORT AUTHORITY**

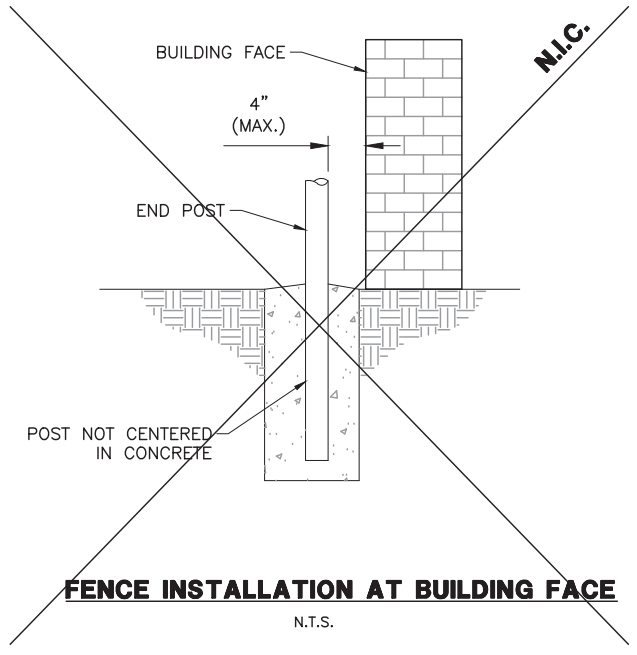
DESIGN BY:	ARM
DRAWN BY:	JRO
CHECKED BY:	DKP
APPROVED BY:	ARM
DATE:	APRIL 21, 2017
JOB No:	14075-05

**FINAL**

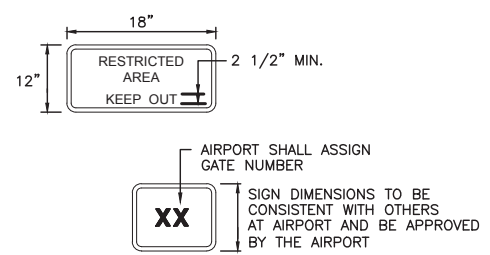
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**INSTALLATION ON SLOPES**  
N.T.S.



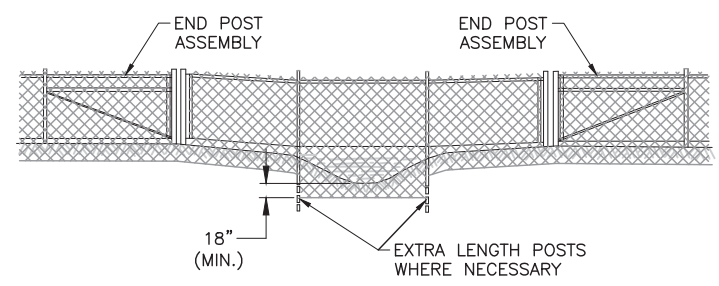
**FENCE INSTALLATION AT BUILDING FACE**  
N.T.S.



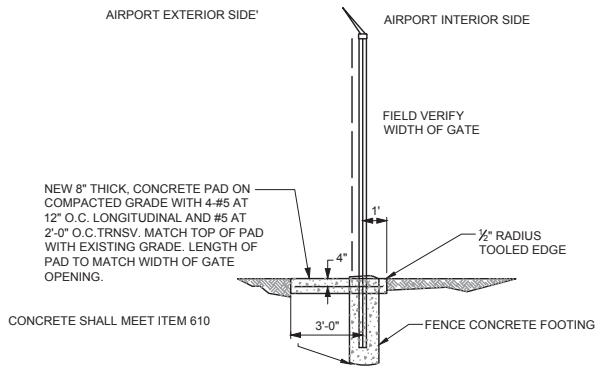
**SIGN DETAILS**  
N.T.S.

**NOTES:**

1. EACH PEDESTRIAN OR VEHICLE SWING GATE SHALL REQUIRE ONE "RESTRICTED" SIGN AND ONE "NUMBER" SIGN. AIRPORT SHALL PROVIDE GATE NUMBER. EVERY 100' OF FENCE SHALL REQUIRE ONE "RESTRICTED" SIGN. COST INCIDENTAL TO FENCE.
2. 0.08 GA ALUMINUM ALLOY SHEET. LETTERING SHALL BE RED ON A WHITE BACKGROUND.
3. CANTILEVERED SLIDE GATES SHALL INCLUDE TWO ADDITIONAL SIGNS AS DETAILED ON THE CANTILEVER GATE DETAIL SHEETS.



**ELEVATION**  
**FENCE INSTALLATION OVER STREAM OR SWALES**  
N.T.S.



**TYPICAL WILDLIFE DETERRENT CONCRETE PAD AT GATES**  
N.T.S.

SIGNS					
CONTRACTOR SHALL FURNISH AND INSTALL SIGNS AS INDICATED IN TABLE BELOW					
SIGN	DIMENSIONS WIDTH x HEIGHT	BACKGROUND COLOR	LETTERING		TEXT
			COLOR	HEIGHT	
1	GATE NUMBER - SEE DETAIL ON FENCING DETAILS SHEET 2				
2	24" x 18"	WHITE	RED	1.5"	FAA REGULATIONS REQUIRE THAT AFTER ENTERING OR EXITING THROUGH THIS SECURITY GATE YOU ARE REQUIRED TO WAIT UNTIL THE GATE CLOSES BEFORE PROCEEDING. FINES OR PENALTIES WILL BE IMPOSED.
3	18" x 12"	WHITE	RED	2-1/2"	RESTRICTED AREA KEEP OUT
4	WARNING SIGN - SEE DETAIL ON CANTILEVER GATE DETAILS SHEET				

**NOTES:**

1. SIGNS #1, #2 AND #4 SHALL BE INSTALLED ON BOTH SIDES OF GATE. SIGN #3 SHALL BE INSTALLED ON "LAND" SIDE OF GATE.
2. ALL CANTILEVERED SLIDE GATES, BOTH MANUAL AND ELECTRIC OPERATION, SHALL HAVE ALL FOUR SIGNS INSTALLED, INCIDENTAL TO GATE INSTALLATION.
3. ALL SWING GATES SHALL HAVE SIGNS #1 AND #3 INSTALLED, INCIDENTAL TO GATE INSTALLATION.

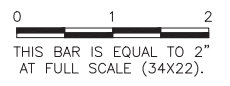
**GENERAL NOTES - GATE SIGNS**

1. SIGNS OTHER THAN THOSE SHOWN ABOVE THAT ARE AFFIXED TO EXISTING GATES SHALL BE REMOVED AND TRANSFERRED TO THE NEW GATE AT THE COMPLETION OF THE GATE INSTALLATION. COST INCIDENTAL TO NEW GATE.

IL. CONTRACT: **KA047**  
 IL. LETTING ITEM: **03A**  
 IL. PROJECT: **IKK-4560**  
 S.B.G. PROJECT: **3-17-SPGP-XX**

SURVEY BOOK # BOOK #

REVISIONS		
NUMBER	BY	DATE



**KANKAKEE VALLEY AIRPORT AUTHORITY**  
**KANKAKEE, ILLINOIS**  
**PHASE 1B - PERIMETER SAFETY/WILDLIFE FENCE**  
**FENCING DETAILS 2**

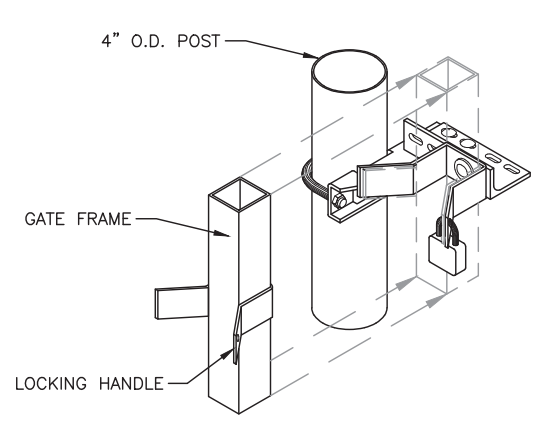
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 **KANKAKEE VALLEY AIRPORT AUTHORITY**

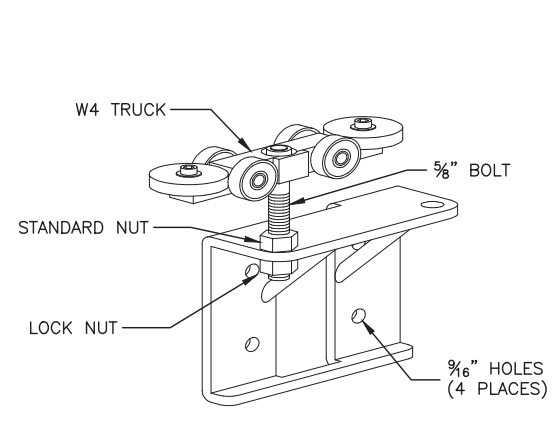
DESIGN BY:	ARM
DRAWN BY:	JRO
CHECKED BY:	DKP
APPROVED BY:	ARM
DATE:	APRIL 21, 2017
JOB No:	14075-05

**FINAL**

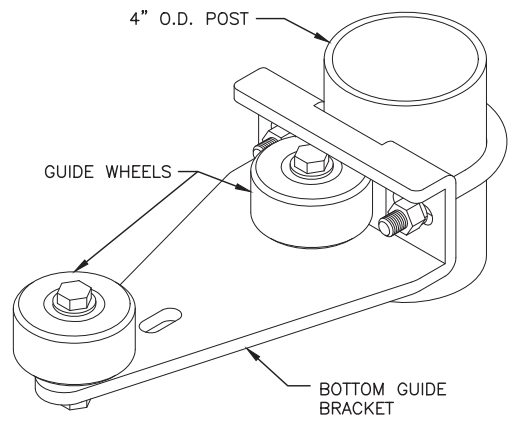
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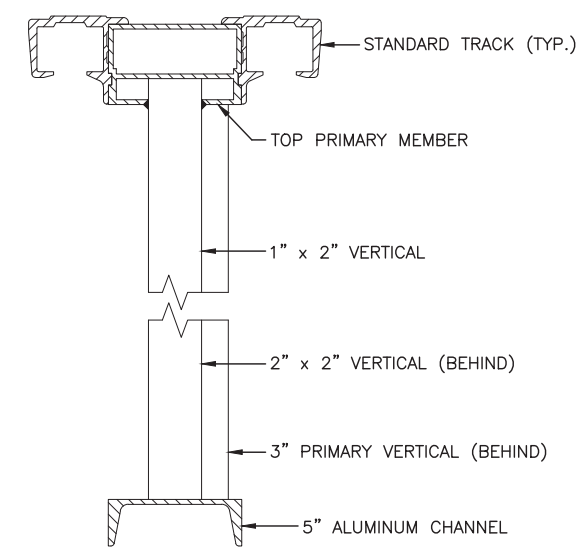
**CATCH ASSEMBLY DETAIL**  
N.T.S.



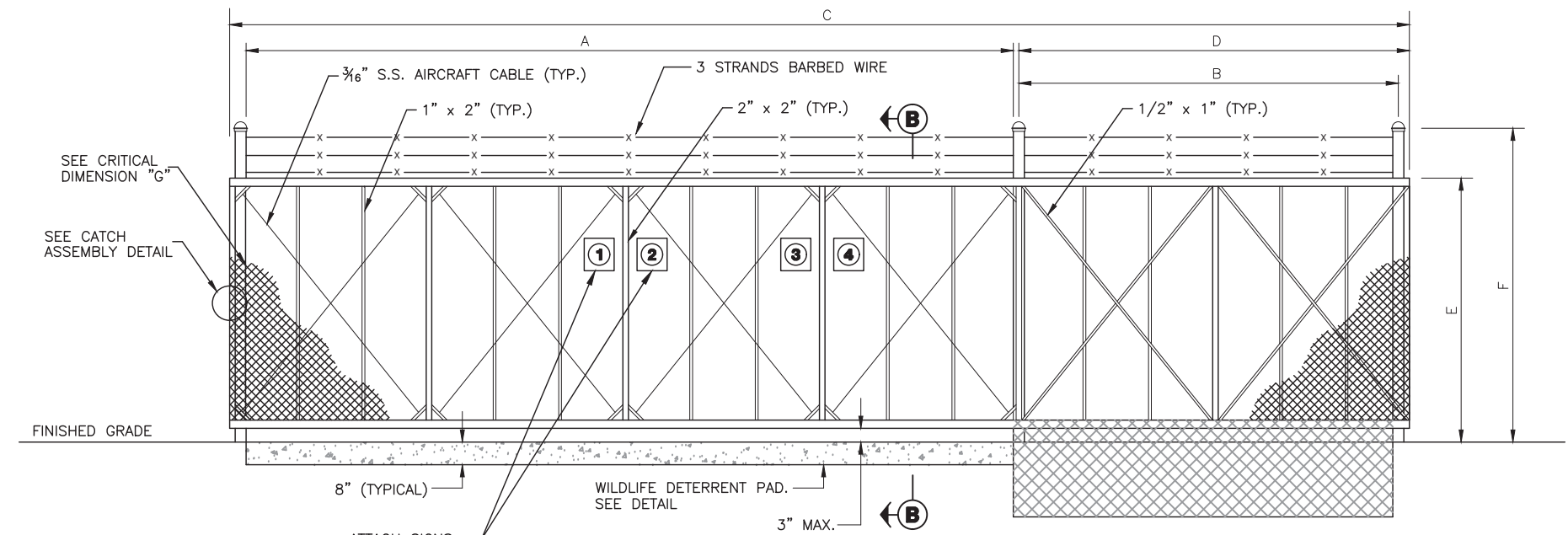
**GATE HANGER ASSEMBLY**  
N.T.S.



**STANDARD BOTTOM GUIDE ASSEMBLY**  
N.T.S.



**GATE FRAME SECTION**  
N.T.S.



**ELEVATION**

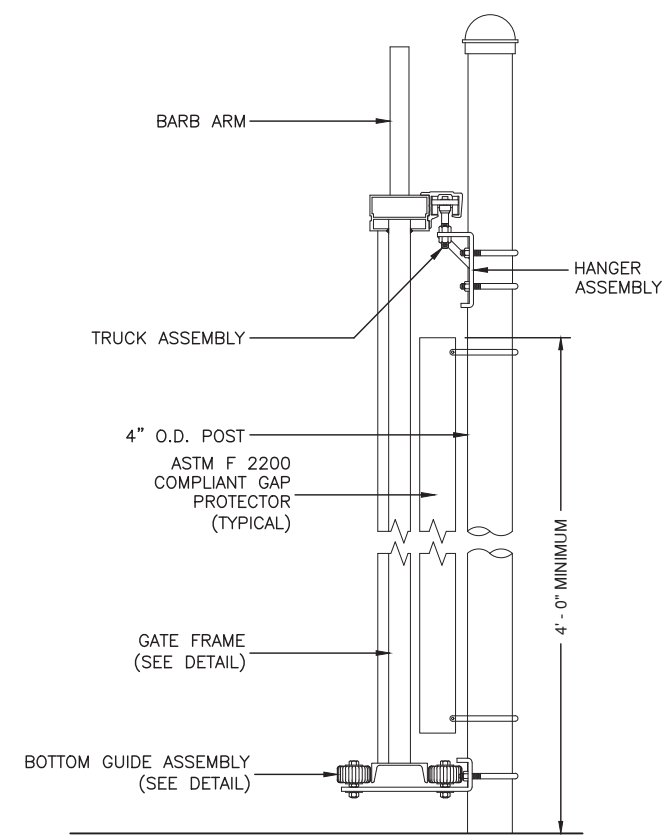
**CANTILEVER SLIDE GATE**  
N.T.S.

CRITICAL DIMENSIONS			
A	CLEAR OPENING	16'-0"	24'-0"
B	COUNTER BALANCE POST SPACING, CENTER TO CENTER	7'-1"	11'-1"
C	OVERALL GATE LENGTH	24'-0"	36'-0"
D	COUNTERBALANCE LENGTH	8'-0"	12'-0"
E	NOMINAL GATE HEIGHT	10'-0"	10'-0"
F	POST HEIGHT	11'-6"	11'-6"
G	FABRIC HEIGHT	9'-0"	9'-0"

**UL 235 COMPLIANCE NOTES**

GATE INSTALLATION SHALL COMPLY WITH ALL REQUIREMENTS OF UL 235, INCLUDING, BUT NOT LIMITED TO:

- ALL OPENINGS OF THE SLIDE GATE ARE GUARDED OR SCREENED FROM THE BOTTOM OF THE GATE TO A MINIMUM OF 4 FEET ABOVE GROUND TO PREVENT A 2-1/4" DIAMETER SPHERE FROM PASSING THROUGH THE OPENINGS ANYWHERE IN THE GATE, AND IN THAT PORTION OF THE ADJACENT FENCE THAT THE GATE COVERS IN THE OPEN POSITION.
- ALL EXPOSED PINCH POINTS ARE ELIMINATED OR GUARDED AND GUARDING IS SUPPLIED FOR ALL EXPOSED ROLLERS.
- A WARNING SIGN (SEE DETAIL, THIS SHEET) MUST BE AFFIXED TO BOTH SIDES OF THE SLIDE GATE, BOTH MANUAL AND ELECTRIC.



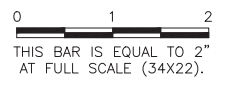
**SECTION B-B**  
(TYPICAL ALL GATES)

**NOTE:**  
EXTRUSIONS SHALL BE OVERSIZED FOR EXTRA RIGIDITY OVER "STANDARD" GATE DESIGN.

IL. CONTRACT: **KA047**  
IL. LETTING ITEM: **03A**  
IL. PROJECT: **IKK-4560**  
S.B.G. PROJECT: **3-17-SPGP-XX**

SURVEY BOOK # BOOK #

REVISIONS		
NUMBER	BY	DATE



**KANKAKEE VALLEY AIRPORT AUTHORITY**  
**KANKAKEE, ILLINOIS**  
**PHASE 1B - PERIMETER SAFETY/WILDLIFE FENCE**  
**CANTILEVER GATE DETAILS**

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DESIGN BY:	ARM
DRAWN BY:	JRO
CHECKED BY:	DKP
APPROVED BY:	ARM
DATE:	APRIL 21, 2017
JOB No:	14075-05

**FINAL**

LOCATIONS, DETAILS AND CHARACTER OF EQUIPMENT SHOWN ON THIS SHEET ARE GENERIC. EQUIPMENT LOCATIONS SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.

**MANUAL SLIDE GATE NOTES:**

- CANTILEVERED GATE SHALL BE SUFFICIENTLY RIGID TO WITHSTAND FLEXING OR BENDING DURING WINDY CONDITIONS. CONTRACTOR SHALL PROVIDE STIFFENERS, STRUCTURAL SHAPES IN EXCESS OF THE MINIMUM SPECIFIED DIMENSIONS OR ADDITIONAL ROLLERS AND POSTS SUFFICIENT TO PREVENT DISPLACEMENT OF THE GATE BY WIND OR BY UNAUTHORIZED PERSONNEL.
- CONTRACTOR SHALL PROVIDE AND INSTALL GATE AS A COMPLETE WORKING UNIT. THE GATE WORK SHALL INCLUDE, BUT NOT BE LIMITED TO: GATE, POSTS, AND ALL CONNECTIONS, SIGNS, LABOR AND MATERIALS NECESSARY FOR COMPLETE OPERATION.
- THE FABRIC TYPE & FINISH OF THE GATE SHALL MATCH THE PROPOSED FENCE OR BE AS DIRECTED BY THE ENGINEER.
- ALL SLIDING GATES SHALL HAVE ALL ROLLERS ENCLOSED IN STEEL OR PLASTIC SHROUDS TO PREVENT ACCIDENTAL INJURY.
- 3 STRANDS OF BARBED WIRE ON TOP OF GATE NOT SHOWN TO IMPROVE CLARITY.
- SEE FENCING DETAILS SHEET 2 FOR SIGN DETAILS.



**WARNING SIGN DETAIL**  
N.T.S.