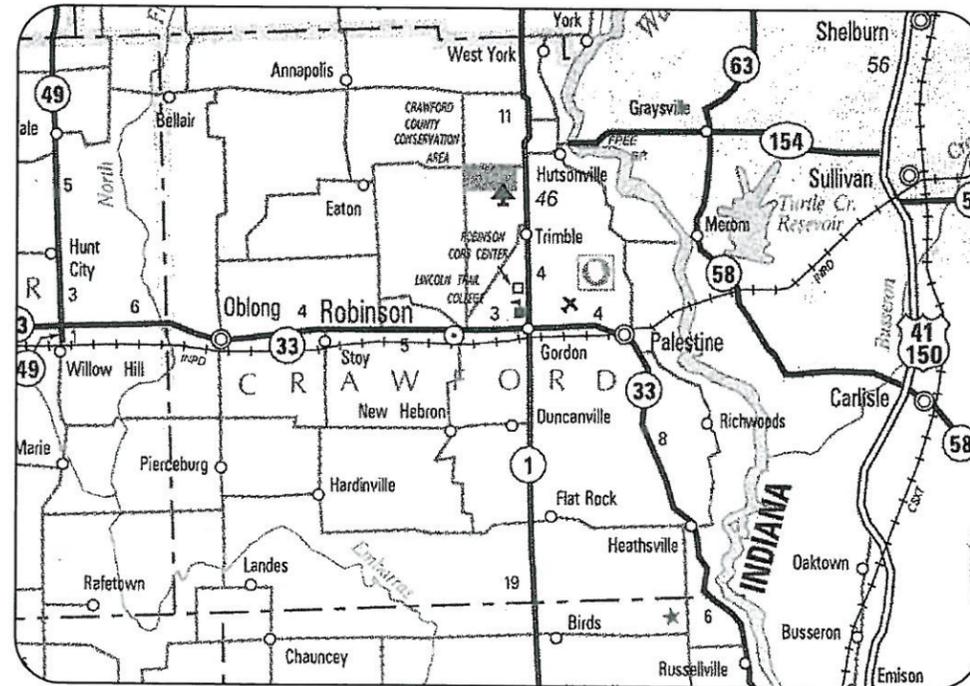


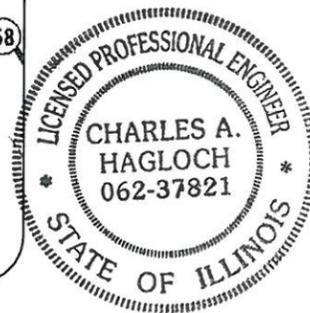
CONSTRUCTION PLANS FOR CRAWFORD COUNTY AIRPORT ROBINSON, CRAWFORD COUNTY, ILLINOIS CLEARING TREES IN THE SIDE TRANSITIONS TO RUNWAY 9-27

SCOPE OF WORK

THIS PROJECT CONSISTS OF CLEARING AND CLEARING & GRUBBING OF TREES ALONG BOTH SIDES OF ROBINSON CREEK AND A WATER DETENTION AREA NORTHWEST OF THE RUNWAY-RUNWAY INTERSECTION. THE PROJECT ALSO INCLUDES: SILT FENCE, SEEDING AND MULCHING.



LOCATION



ILL. PROJ.: RSV-4199
S.B.G. PROJ.: 3-17-SBGP-XX
LATITUDE: 39° 00' 45.01"
LONGITUDE: 87° 38' 35.39"
ELEVATION: 461.6' M.S.L.
DATE: FEB. 11, 2013

HANSON
Hanson Professional Services Inc.
Submitted by *Charles A. Hagloch* ENG'R
Date Submitted MARCH 28, 2014
Lic. Exp. Date NOVEMBER 30, 2015

CRAWFORD COUNTY AIRPORT AUTHORITY
Approved *John Dappert* CHAIRMAN
Date *February 12, 2013*
Approved *[Signature]* SECRETARY
Date *02-12-13*



LOCATION OF COUNTY

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DATE	REVISION

CRAWFORD COUNTY AIRPORT
ROBINSON
CRAWFORD COUNTY, ILLINOIS
ILL. PROJ.: RSV-4199 BLOCK GRANT PROJ.: 3-17-SBGP-XX

LAYOUT	CAH	06/22/12
DRAWN	BAK	06/22/12
REVIEWED	CAH	02/08/13

Hanson Proj. No. 12A0063D
Filename: G-001\CVR.dwg
Scale: NOT TO SCALE
Date: 02/11/13

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1525 South Sixth Street
Springfield, Illinois 62705-2886
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Offices Nationwide

CLEARING/CLEARING &
GRUBBING TREES
COVER SHEET
1
1 of 7 sheets

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150520	MOBILIZATION	L.S.	1	
AR150540	HAUL ROUTE	L.S.	4	
AR151410	CLEARING	ACRE	4.2	
AR151450	CLEARING AND GRUBBING	ACRE	11	
AR156510	SILT FENCE	L.F.	6,227	
AR156511	DITCH CHECK	EACH	10	
AR156530	TEMPORARY SEEDING	ACRE	4.6	
AR901510	SEEDING	ACRE	4.6	
AR908510	MULCHING	ACRE	4.6	

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	PROPOSED CLEARING PLAN AREA NO. 1
5	PROPOSED CLEARING PLAN AREA NO. 2
6	PROPOSED STORMWATER POLLUTION PREVENTION PLAN
7	PROPOSED STORMWATER POLLUTION PREVENTION DETAILS

CRAWFORD COUNTY AIRPORT
ROBINSON
CRAWFORD COUNTY, ILLINOIS

DATE

REVISION

IL. PROJ.: RSV-4199 BLOCK GRANT PROJ.: 3-17-SEGP-XX

Hanson Proj. No. 12A0063D	Planets G-002FLP.dwg	Scale NOT TO SCALE	Date 02/11/13
LAYOUT	CAH	06/22/12	
DRAWN	BAK	05/22/12	
REVIEWED	CAH	02/08/13	

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CLEARING/CLEARING &
GRUBBING TREES

SUMMARY OF QUANTITIES
AND INDEX TO SHEETS

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 WHATSOEVER 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 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. 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 UTILITIES. 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.

HAUL ROUTE AND VEHICLE PARKING

THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTES AND PARKING AREAS AS SHOWN ON THIS SHEET. THE PROPOSED PARKING AREA WILL BE 100' X 100'. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTES AND PARKING AREAS THROUGHOUT THE COURSE OF THE PROJECT. ANY AREAS DAMAGED OUTSIDE OF THESE AREAS WILL BE REPAIRED BY THE CONTRACTOR AND AT THE CONTRACTOR'S OWN EXPENSE. AT THE CONCLUSION OF THE PROJECT THE CONTRACTOR WILL PROVIDE AND INSTALL ROAD ROCK, GRADE, FERTILIZE, SEED AND MULCH THE HAUL ROUTE AND PARKING AREA AS NEEDED TO RESTORE IT TO ITS ORIGINAL STATE. RESTORATION OF THE HAUL ROUTE AND PARKING AREA WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS TO ACCESS THE HAUL ROUTES. TOWNSHIP ROUTE 1150 N WAS POSTED AT 10 TONS DURING A SURVEY IN JANUARY OF 2013.

CONTRACTOR RESPONSIBILITIES

THE CONTRACTOR'S EQUIPMENT PARKING AND STORAGE AREA WILL BE AS SHOWN ON THIS SHEET. THE CONTRACTOR'S EMPLOYEES WILL PARK THEIR VEHICLES IN THIS AREA. ONLY CONTRACTOR VEHICLES WILL BE ALLOWED OUTSIDE THIS AREA.

THE CONTRACTOR AND HIS EMPLOYEES WILL BE RESTRICTED TO THE WORK AREA AND ALL OTHER AREAS OF THE AIRPORT ARE "OFF LIMITS" TO THEM.

THE CONTRACTOR SHALL KEEP BOTH RUNWAYS OPEN AT ALL TIMES.

ALL WORK PERFORMED SHALL BE DONE IN A ORDERLY AND EFFECTIVE MANNER.

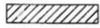
NO TRENCHES OR HOLES WILL REMAIN OPEN OVERNIGHT WITHIN 250 FEET OF THE RUNWAY CENTERLINE.

NO RUNWAY SHALL BE CLOSED OVERNIGHT.

NOTE TO CONTRACTOR

UNLESS OTHERWISE SPECIFIED, NO CUTTING OR TRIMMING OF TREES SHALL OCCUR BETWEEN APRIL 1 AND OCTOBER 15, BOTH DAYS INCLUSIVE, DUE TO POTENTIAL IMPACT TO THE INDIANA BAT, WHICH IS PROTECTED BY THE ENDANGERED SPECIES ACT OF 1973.

LEGEND

-  EXISTING IMPROVEMENTS
-  PROPOSED IMPROVEMENTS
-  CLEARING/ CLEARING & GRUBBING AREAS
-  PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA

SCOPE OF WORK

THIS PROJECT CONSISTS OF CLEARING AND CLEARING & GRUBBING OF TREES ALONG BOTH SIDES OF THE ROBINSON CREEK AND A WATER DETENTION AREA NORTHWEST OF THE RUNWAY-RUNWAY INTERSECTION. THE PROJECT INCLUDES: SILT FENCE, SEEDING AND MULCHING.

HEIGHT OF CONSTRUCTION EQUIPMENT

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 25 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A FELLER/BUNCHER TRACKHOE.

CERTIFIED PAYROLLS

THE RESIDENT ENGINEER CANNOT FORWARD CONSTRUCTION REPORTS TO THE ILLINOIS DIVISION OF AERONAUTICS FOR PROCESSING UNTIL ALL CERTIFIED PAYROLLS FOR THE PERIOD HAVE BEEN RECEIVED.

MATERIAL CERTIFICATION

COMPLETED WORK CANNOT BE PLACED ON A CONSTRUCTION REPORT UNTIL ALL MATERIAL CERTIFICATIONS FOR THAT PAY ITEM HAVE BEEN RECEIVED, REVIEWED AND ACCEPTED BY THE RESIDENT ENGINEER. ALL PRODUCTS INCORPORATED INTO THE PROJECT MUST BE CERTIFIED AS "MANUFACTURED IN THE USA WITH USA MATERIALS".

NOTE

ALL CONSTRUCTION/OPERATIONS ARE TO BE PERFORMED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR (AC) 150/5370-2F "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION" AND AC 150/5300-13A "AIRPORT DESIGN".

ALL CONSTRUCTION EQUIPMENT ON THE AIRPORT SHALL BE MARKED, LIGHTED AND/OR FLAGGED IN ACCORDANCE WITH AC 150/5210-5 AND 70/7460-1.

CRITICAL POINT DATA

CRITICAL POINT #1
 LATITUDE: 39° 01' 10.12"
 LONGITUDE: 87° 38' 56.49"
 ELEVATION: 452.00' M.S.L.

CRITICAL POINT #2
 LATITUDE: 39° 01' 03.34"
 LONGITUDE: 87° 39' 03.34"
 ELEVATION: 453.00' M.S.L.

CRITICAL POINT #3
 LATITUDE: 39° 01' 02.48"
 LONGITUDE: 87° 39' 54.74"
 ELEVATION: 460.00' M.S.L.

CRITICAL POINT #4
 LATITUDE: 39° 01' 00.96"
 LONGITUDE: 87° 40' 01.61"
 ELEVATION: 460.00' M.S.L.

J.U.L.I.E. INFORMATION

COUNTY: CRAWFORD
 CITY: ROBINSON
 TOWNSHIP: LAMOTTE
 SECTION NO.: 28, 29 & 33
 ADDRESS: CRAWFORD COUNTY AIRPORT
 P.O. BOX 6
 ROBINSON, ILLINOIS 62454

PROPOSED SAFETY PLAN

GENERAL - THE ROBINSON MUNICIPAL AIRPORT IS COMPRISED OF TWO RUNWAYS. THE PROPOSED CONSTRUCTION WILL NOT NECESSITATE CLOSING EITHER RUNWAY.

IDENTIFICATION - WHEN THE CONTRACTORS VEHICLES AND EQUIPMENT ARE ON THE AIRPORT THEY SHALL BE PROPERLY MARKED WITH THREE (3') FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE). THE CONTRACTOR WILL ALSO PROVIDE WORKERS WITH SOME TYPE OF TAG OR GARMENT TO IDENTIFY THE PERSON AS BEING PART OF THE CONSTRUCTION CREW.

RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (123.00 MHz.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE CRAWFORD COUNTY AIRPORT AND ENABLE THE AIRPORT TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTIC EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

150-ENGINEER'S FIELD OFFICE NOTES

THE PROPOSED ENGINEER'S FIELD OFFICE WILL CONSIST OF FURNISHING AND MAINTAINING A WIRELESS CELL-PHONE AND WIRELESS INTERNET SERVICE FOR EXCLUSIVE USE OF THE RESIDENT ENGINEER. THESE ITEMS WILL BE PROVIDED AT THE START OF CONSTRUCTION, MAINTAINED THROUGHOUT THE PROJECT AND BE RETURNED TO THE CONTRACTOR UPON ESSENTIAL COMPLETION OF THE PROJECT.

THE RESIDENT ENGINEER WILL USE THIS PHONE AND INTERNET SERVICE FOR PROJECT BUSINESS ONLY. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CHARGES ASSOCIATED WITH THIS CELL-PHONE AND INTERNET SERVICE.

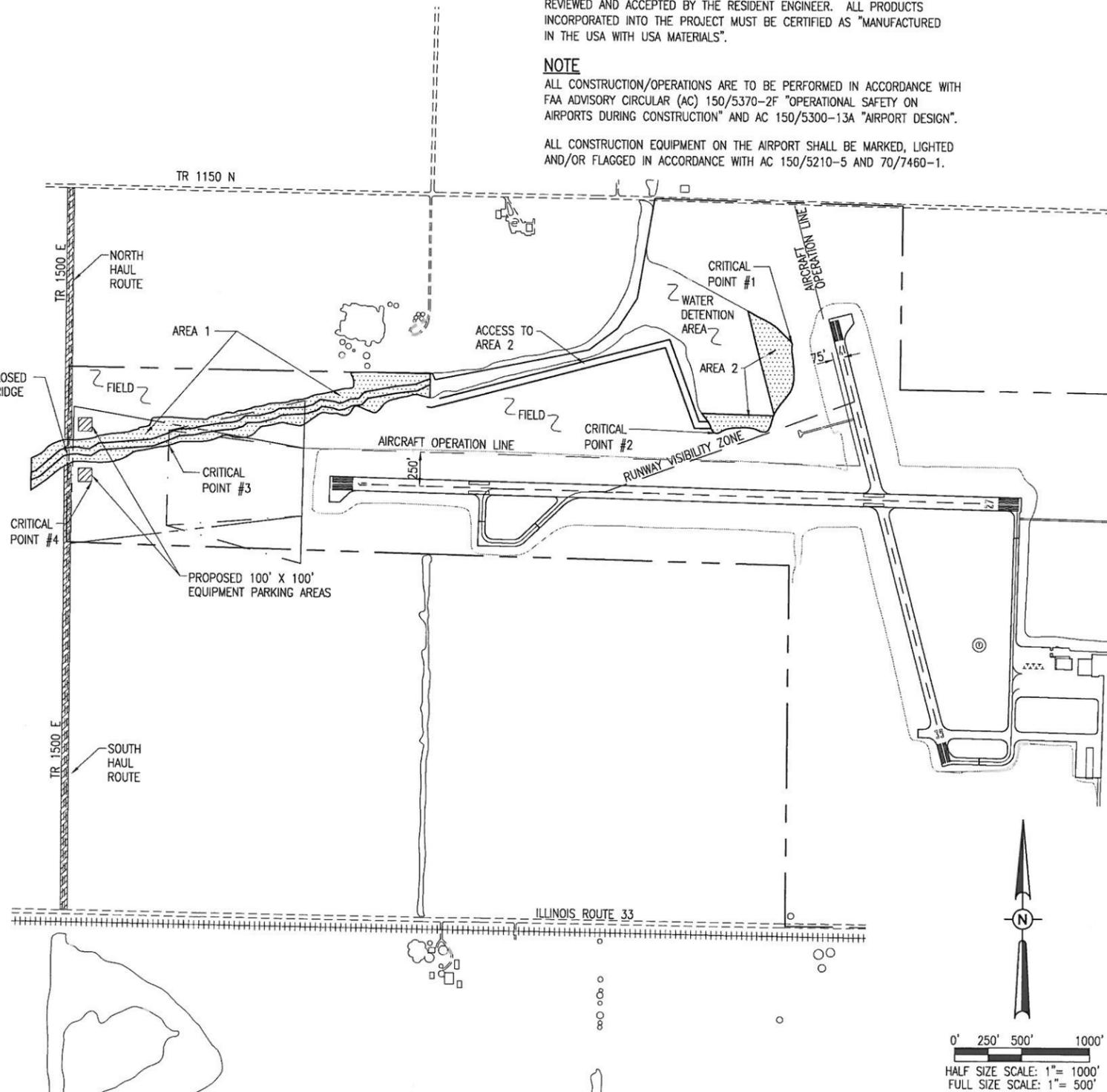
THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE PAID FOR UNDER ITEM: AR150510 ENGINEER'S FIELD OFFICE ____ 1 L.S.

EROSION CONTROL

THIS PROJECT WILL DISTURB MORE THAN 1 ACRE OF LAND, THEREFORE A N.P.D.E.S. PERMIT WILL BE REQUIRED.

AIRCRAFT OPERATION LINE (RUNWAY SAFETY AREA)

THE CONTRACTOR WILL LOCATE THIS LINE AT THE START OF CONSTRUCTION AND WILL PLACE FLAGGED LATHE EVERY 150' ALONG IT. THIS LINE WILL BE THE LIMITS THAT ALL CONTRACTOR PERSONNEL MAY VENTURE WHEN A RUNWAY IS NOT CLOSED. THE CONTRACTOR WILL MAINTAIN THE LATHE LINE FOR THE DURATION OF THIS PROJECT.



RB018

DATE 4/01/14	REVISION	
	REVISED AS PER IDA COMMENTS	
CRAWFORD COUNTY AIRPORT ROBINSON CRAWFORD COUNTY, ILLINOIS		
BLOCK GRANT PROJ.: 3-17-SBGP-XX		
Hanson Proj. No. 12A0063D Filename: G-0035FY.DWG Scale: 1" = 500' Date: 02/11/13		
LAYOUT	CAH	06/22/12
DRAWN	BAK	06/12/12
REVIEWED	CAH	02/08/13
 Copyright Hanson Professional Services Inc. 2014 Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62703-2886 Ph: (217) 786-2450 Fax: (217) 786-2503 www.hanson-inc.com Offices Nationwide		
CLEARING/CLEARING & GRUBBING TREES PROPOSED SAFETY PLAN		
3 3 of 7 sheets		

CLEARING NOTES

THE AREAS DESIGNATED FOR CLEARING ON THE EAST SIDE OF THE TOWNSHIP ROAD 1500 E AS SHOWN ON SHEET NOS. 4 & 5 ARE LOCATED ON EXISTING AIRPORT PROPERTY. THE AIRPORT HAS AN EASEMENT FOR THE AREAS DESIGNATED FOR CLEARING ON THE WEST SIDE OF THIS TOWNSHIP ROAD.

THE LIMITS OF THE PROPOSED AREA TO BE CLEARED WILL BE 25' LEFT AND RIGHT OF THE CENTER OF THE DITCH. SEE SHEET NOS. 4 & 5 FOR THE APPROXIMATE LIMITS OF THE PROPOSED CLEARING.

THE AREA DESIGNATED FOR CLEARING WILL BE LOCATED AND MARKED BY THE RESIDENT ENGINEER.

THERE ARE DRAINAGE STRUCTURES ALONG THE CREEK ON THIS SHEET AND SHEET NO. 5. THE CONTRACTOR WILL TAKE CARE SO AS NOT TO DAMAGE THESE STRUCTURES OR ANY OTHER UTILITIES IN THE AREA OF CLEARING AND GRUBBING. ANY DAMAGE WILL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT ENGINEER AND THE GOVERNING BODY.

THE AREA DESIGNATED FOR CLEARING WILL HAVE THE LARGE TREES CUT DOWN AND REMOVED FROM THE AREA WITHOUT ANY EQUIPMENT DISTURBING THE DITCH/CREEK. THE CONTRACTOR WILL LEAVE A STUMP THAT IS NO MORE THAN 6" OUT OF THE GROUND. ANY EXISTING DOWNED TREES/LOGS WILL REMAIN IN PLACE WITHOUT ANY EQUIPMENT DISTURBING THE DITCH/CREEK. ALL THE SMALL TREES (UP TO A DIAMETER OF 4 INCHES) AND BRUSH LOCATED IN THIS AREA WILL BE REMOVED BY ANY MEANS THAT WILL REMOVE THE TREE/BRUSH BUT LEAVE THE TREE STUMP (NO MORE THAN 6 INCHES ABOVE THE SURROUNDING GROUND) AND THE ROOT SYSTEM INTACT.

IF PERMITTED BY THE PERTINENT GOVERNING AUTHORITIES, THE CONTRACTOR MAY BURN AND BURY THE CLEARED TREES ON AIRPORT PROPERTY (NO PITS/BURNING WILL BE ALLOWED IN THE PROPOSED CLEARING AREA). IF BURNING AND BURIAL IS NOT PERMITTED, THE CONTRACTOR MUST DISPOSE OF THE TREES OFF THE AIRPORT PROPERTY. THE BURNING AND BURIAL LOCATION OF THE TREES WILL BE AT LEAST 750 FEET FROM THE EXTENDED CENTERLINES OF THE TWO RUNWAYS AND APPROVED BY THE AIRPORT MANAGER.

THERE WILL BE AT LEAST TWO FEET OF EARTH PLACED OVER THE BURIED MATERIAL. ALL MULCH/WOODCHIPS NOT REMOVED FOR DISPOSAL WILL ALSO BE BURIED WITH A MINIMUM TWO FEET OF COVER PLACED OVER THEM. ALL BURIAL AREAS WILL BE GRADED AND SEEDED.

AFTER THE CONTRACTOR HAS REMOVED ALL TREES, BRUSH AND OTHER VEGETATIVE MATERIAL FROM THE AREA CLEARED HE WILL PLACE A SILT FENCE AROUND THE PERIMETER OF THIS AREA AS SHOWN ON THIS SHEET. NO SEEDING OR MULCHING WILL BE REQUIRED WITHIN THIS CLEARED AREA.

CLEARING, HANDLING AND DISPOSAL OF ALL DEAD VEGETATIVE WASTE MATERIAL FROM THE DESIGNATED AREA WILL BE PAID FOR UNDER:
AR151410 CLEARING -- PER ACRE.

CLEARING AND GRUBBING NOTES

THE AREAS DESIGNATED FOR CLEARING AND GRUBBING ON THE EAST SIDE OF THE TOWNSHIP ROAD 1500 E AS SHOWN ON SHEET NOS. 4 & 5 ARE LOCATED ON EXISTING AIRPORT PROPERTY. THE AIRPORT HAS AN EASEMENT FOR THE AREAS DESIGNATED FOR CLEARING AND GRUBBING ON THE WEST SIDE OF THIS TOWNSHIP ROAD.

ALL CLEARING AND GRUBBING BEYOND THE 50 FOOT CLEARING LIMITS WILL BE LOCATED AND MARKED BY THE RESIDENT ENGINEER.

THERE ARE DRAINAGE STRUCTURES ALONG THE CREEK ON THIS SHEET AND SHEET NO. 5. THE CONTRACTOR WILL TAKE CARE SO AS NOT TO DAMAGE THESE STRUCTURES OR ANY OTHER UTILITIES IN THE AREA OF CLEARING AND GRUBBING. ANY DAMAGE WILL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT ENGINEER AND THE GOVERNING BODY.

IF PERMITTED BY THE PERTINENT GOVERNING AUTHORITIES, THE CONTRACTOR MAY BURN AND BURY THE CLEARED TREES ON AIRPORT PROPERTY. IF BURNING AND BURIAL IS NOT PERMITTED, THE CONTRACTOR MUST DISPOSE OF THE TREES OFF THE AIRPORT PROPERTY. THE BURNING AND BURIAL LOCATION OF THE TREES WILL BE AT LEAST 750 FEET FROM RUNWAY 17-35 CENTERLINE EXTENDED AND APPROVED BY THE ENGINEER AND AIRPORT MANAGER.

THERE WILL BE AT LEAST TWO FEET OF EARTH PLACED OVER THE BURIED MATERIAL. ALL WOODCHIPS NOT REMOVED FOR DISPOSAL WILL ALSO BE BURIED WITH A MINIMUM TWO FEET OF COVER PLACED OVER THEM. ALL BURIAL AREAS WILL BE GRADED AND SEEDED.

AT THE DISCRETION OF THE CONTRACTOR HE WILL BE ALLOWED TO MULCH/CHIP THE CLEARED TREES. THE CONTRACTOR WILL BE ALLOWED TO STOCKPILE THE MULCH BUT THE PILE CANNOT EXCEED 20 FEET.

ALL AREAS BEING CLEARED AND GRUBBED WILL BE SMOOTH GRADED, SEEDED AND MULCHED IN ACCORDANCE WITH ITEM 901 "SEEDING" AND ITEM 908 "MULCHING".

CLEARING, GRUBBING AND DISPOSAL OF THE DESIGNATED AREAS WILL BE PAID FOR UNDER: ITEM AR151450 "CLEARING AND GRUBBING -- ACRES.

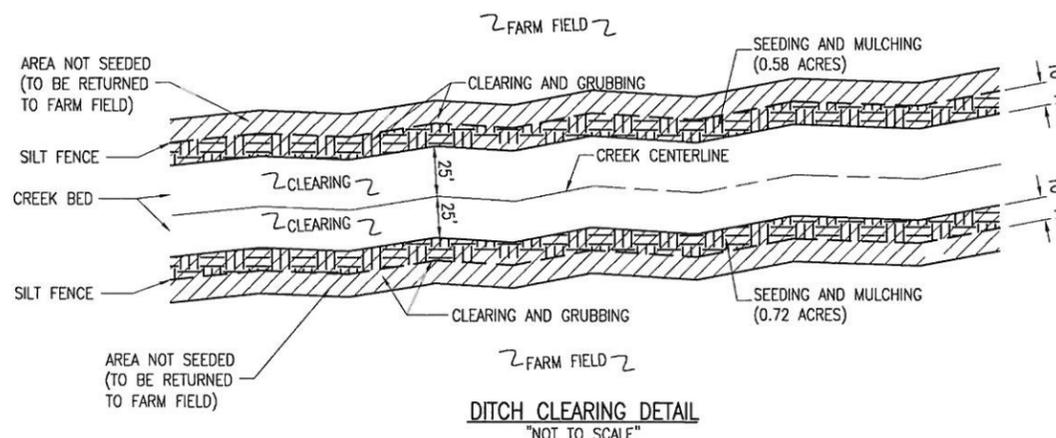
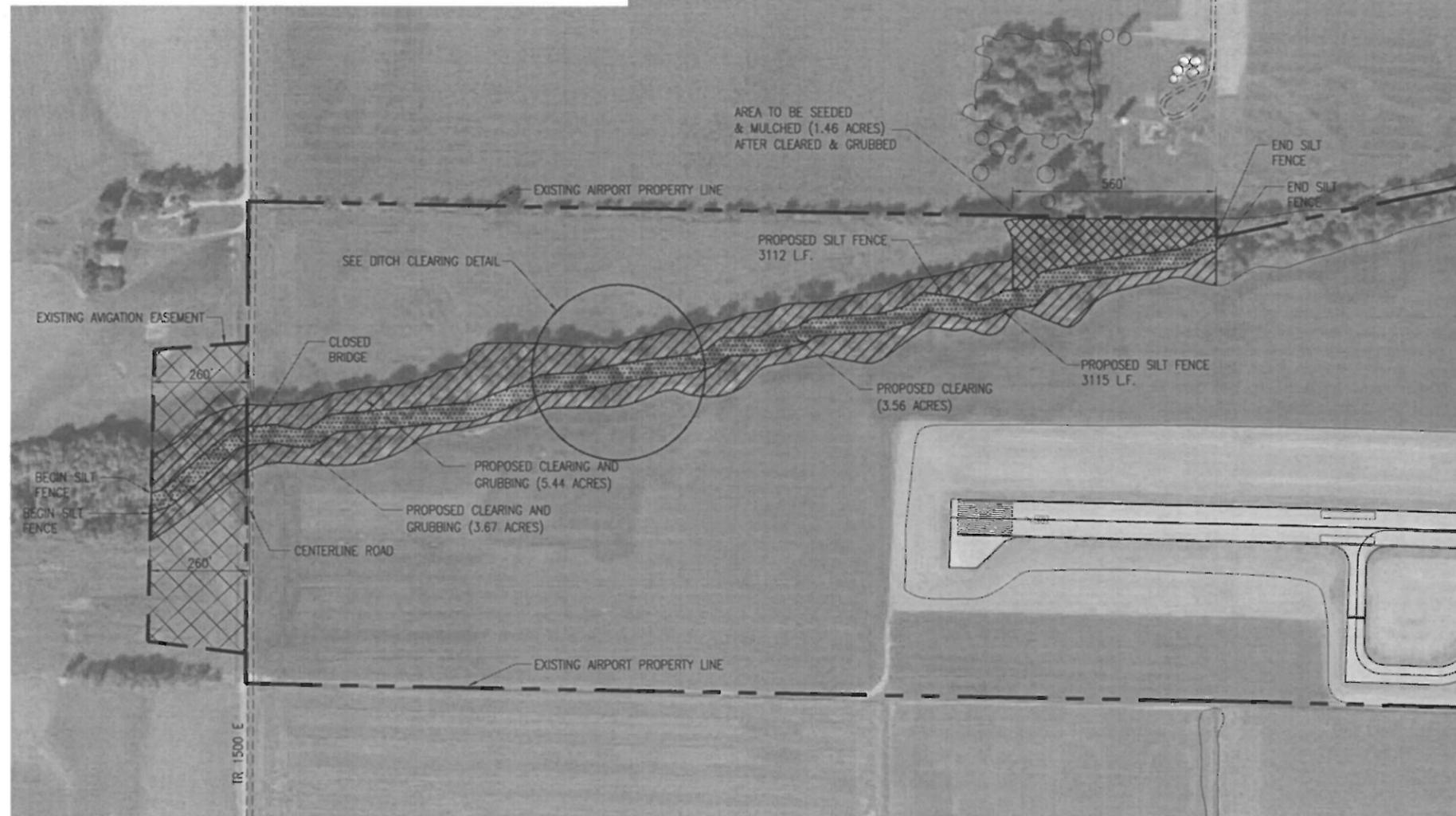
NOTES TO THE CONTRACTOR

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMISSION AND ANY APPLICABLE PERMITS TO USE THE ROADS (FEDERAL, STATE, COUNTY, TOWNSHIP AND CITY) THAT HE WILL USE TO ACCESS THE PROPOSED AIRPORT CONSTRUCTION SITE INCLUDING THAT DESIGNATED AS THE HAUL ROUTE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO KNOW ANY AND ALL RESTRICTIONS PLACED ON THE ROADS HE WILL BE USING. THE CONTRACTOR WILL CONTACT ALL APPLICABLE GOVERNING BODIES PRIOR TO THE LETTING OF THIS PROJECT TO DETERMINE THOSE RESTRICTIONS AND APPLICABLE PERMITTING. THE CONTRACTOR WILL BE RESPONSIBLE FOR ROAD MAINTENANCE, CLEANUP AND ANY OTHER REQUIREMENTS AGREED UPON FOR THE RIGHT TO USE THE ROADS.

ANY DAMAGE TO EXISTING AIRPORT IMPROVEMENTS (FENCING, DRAINAGE, ETC.) WILL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE RESIDENT ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.

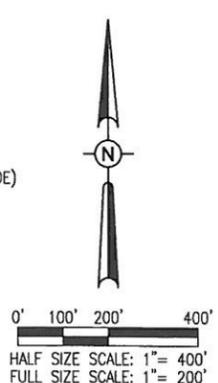
DITCH CHECK NOTE

AT THE TIME OF DESIGN, IT WAS NOT APPARENT AS TO WHERE AREAS OF EXCESSIVE EROSION MAY OCCUR. THESE DITCH CHECKS ARE NOT INTENDED TO GO ACROSS THE CREEK. THEY ARE FOR THOSE SWALES LEADING TO THE CREEK AND DESIGNATED BY THE RESIDENT ENGINEER AS POTENTIAL EXCESSIVE EROSION AREAS. THE CONTRACTOR WILL INSTALL THESE DITCH CHECKS CONCURRENTLY WITH THE SILT FENCE INSTALLATION ACROSS THOSE SWALES. FOR ESTIMATION PURPOSES A MINIMUM OF 5 STRAW BALES SHALL BE USED FOR EACH DITCH CHECK. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE DITCH CHECKS AND UPON THE ESTABLISHMENT OF THE SEEDING, REMOVE THEM COMPLETELY.



LEGEND

- [Solid line] EXISTING IMPROVEMENTS
- [Dashed line] PROPOSED TREE CLEARING
- [Diagonal hatching] PROPOSED CLEARING AND GRUBBING
- [Cross-hatching] PROPOSED SEEDING AND MULCHING (10' WIDE)
- [Stippled] PROPOSED CLEARING AND GRUBBING SEEDING AND MULCHING



RB018

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REVISION	DATE

CRAWFORD COUNTY AIRPORT
ROBINSON
CRAWFORD COUNTY, ILLINOIS

IL PROJ.: RSY-4199 BLOCK GRANT PROJ.: 3-17-SBGP-XX

Hanson Proj. No. 12A0063D	06/22/12
Filename C-121CON.DWG	CAH
Scale 1"= 200'	BAK
Date 02/11/13	CAH
LAYOUT	02/08/13
DRAWN	
REVIEWED	

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1525 South Sixth Street
Springfield, Illinois 62703-2886
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CLEARING/CLEARING & GRUBBING TREES
PROPOSED
CLEARING PLAN
AREA NO. 1

901 SEEDING NOTES

THE PROPOSED SEEDING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ITEM 901 "SEEDING" AS STATED ON PAGE 319 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED APRIL 1, 2012.

ALL AREAS ON THIS SHEET LOCATED WITHIN THE PROPOSED CLEARING AND GRUBBING LIMITS BUT OUTSIDE THE PROPOSED CLEARING LIMITS WILL BE SEEDED AND MULCHED IN ACCORDANCE WITH THE ABOVE NOTED SPECIFICATION. ALL AREAS ON SHEET NO. 4 WILL BE SEEDED AND MULCHED FOR 10 FEET BEYOND THE CLEARING LIMITS ON EACH SIDE OF THE CLEARING LIMITS AS SHOWN IN THE DITCH CLEARING DETAIL. ONE AREA WHERE IT IS IMPRACTICAL TO BE FARMED, EXCEEDS THIS 10 FOOT AND IS HIGHLIGHTED ON SHEET NO. 4.

ALL MATERIALS AND/OR DEBRIS RESULTING FROM THE SEEDING OPERATIONS WILL BE REMOVED FROM THE PROPOSED CONSTRUCTION AREA PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.

DATE SEEDING COMPLETED _____

THE PROPOSED SEEDING WILL BE PAID FOR UNDER ITEMS:
AR901510 SEEDING -- PER ACRES

908 MULCHING NOTES

THE PROPOSED MULCHING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ITEM 908 "MULCHING" AS STATED ON PAGE 330 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED APRIL 1, 2012.

THIS ITEM SHALL CONSIST OF THE FURNISHING, TRANSPORTING, AND PLACING MULCH OVER THE SEEDED AREA. DISTURBED AREAS OUTSIDE THE GRADING LIMITS SHALL ALSO BE MULCHED AND PARTICIPATION WILL BE THE SAME AS FOR SEEDED AREAS.

908-2.1 MULCH MATERIAL: THE CONTRACTOR MAY EITHER FURNISH STRAW OR HYDROMULCH AS THE TYPE OF MULCH MATERIAL TO BE USED ON THIS PROJECT.

908-3.1 MULCHING: THE HYDRAULIC MULCH SHALL BE APPLIED AS A SLURRY OF 2,500 POUNDS OF MULCH AND NOT LESS THAN 2,500 GALLONS OF WATER PER ACRE.

908-3.4 STRUCTURE CLEANING: AFTER THE PROPOSED MULCH HAS BEEN APPLIED, THE CONTRACTOR WILL CLEAN THE MULCH OFF ALL STRUCTURES.

DATE MULCHING COMPLETED _____

THE PROPOSED MULCHING WILL BE PAID FOR UNDER ITEMS:
AR908510 MULCHING -- PER ACRE

TEMPORARY SEEDING DATA

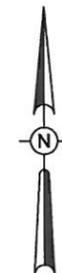
THE TEMPORARY SEEDING LIMITS SHALL CONSIST OF THE AREA INSIDE THE PROPOSED CLEARING AND GRUBBING LIMITS BUT OUTSIDE THE PROPOSED CLEARING LIMITS AS SHOWN ON SHEET NOS. 4 & 5. ALL AREAS WITHIN THESE LIMITS SHALL BE SEEDED IN ACCORDANCE WITH THE FOLLOWING FORMULA AND RATES OF APPLICATION.

SEEDING (MINIMUM POUNDS OF PURE LIVE SEED PER ACRE)
PERENNIAL RYEGRASS _____ 50
SPRING OATS* _____ 64
*OTHER SEEDS MAY BE USED IF APPROVED BY THE ENGINEER.
AREA TO BE SEEDED _____ 4.6 ACRES
DATE SEEDING COMPLETED _____

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM:
AR156530 TEMPORARY SEEDING -- PER ACRE.



- LEGEND**
- EXISTING IMPROVEMENTS
 - PROPOSED TREE CLEARING
 - PROPOSED CLEARING AND GRUBBING



0' 100' 200' 400'
HALF SIZE SCALE: 1" = 400'
FULL SIZE SCALE: 1" = 200'

REVISION	DATE

CRAWFORD COUNTY AIRPORT
ROBINSON
CRAWFORD COUNTY, ILLINOIS

IL PROJ.: RSV-4199 BLOCK GRANT PROJ.: 3-17-SBGP-XX

Hanson Proj. No. 12A00630
Filename: C-121CON.DWG
Scale: 1" = 200'
Date: 02/11/13

LAYOUT	CAH	06/22/12
DRAWN	BAK	06/12/12
REVIEWED	CAH	02/08/13

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Professional Services Inc. 2014
Hanson Professional Services Inc.
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Offices Nationwide

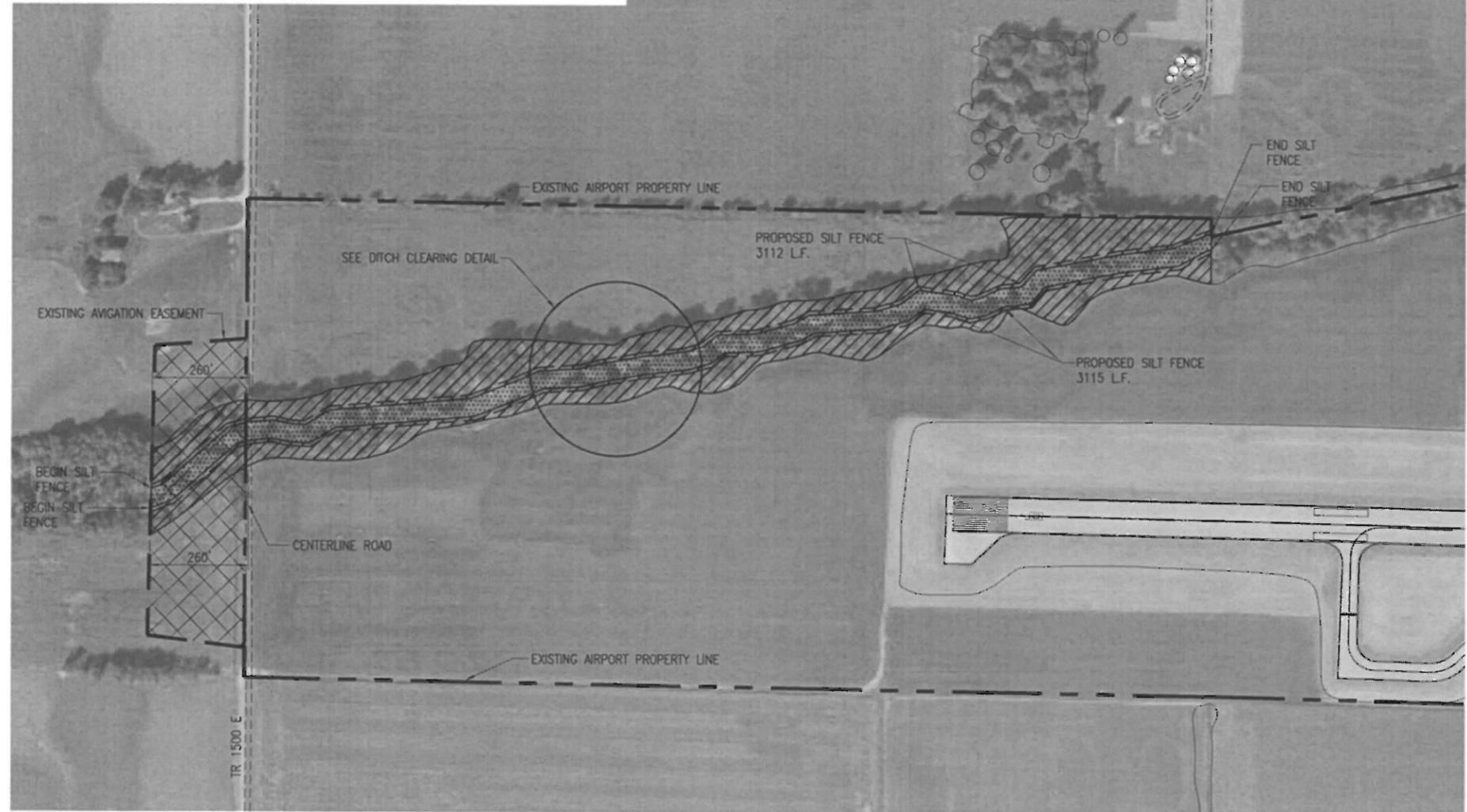
CLEARING/CLEARING &
GRUBBING TREES

PROPOSED
CLEARING PLAN
AREA NO. 2

MAR 25, 2014 9:46 AM HAGL0003B2
 p:\s\sp-svr-306\hanson-dom\hanson-projects\Documents\1240630\1240630\CAD\Airport\Sheet\C-501-SWP

DITCH CHECK NOTE

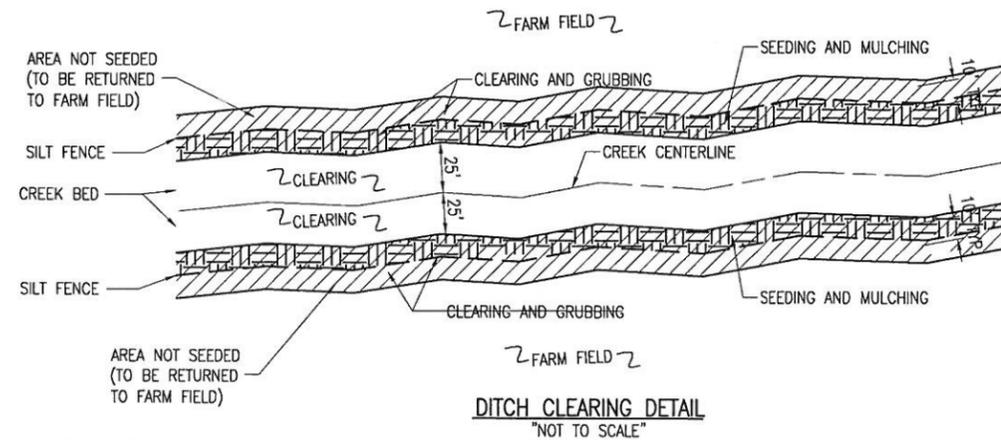
AT THE TIME OF DESIGN, IT WAS NOT APPARENT AS TO WHERE AREAS OF EXCESSIVE EROSION MAY OCCUR. THESE DITCH CHECKS ARE NOT INTENDED TO GO ACROSS THE CREEK. THEY ARE FOR THOSE SWALES LEADING TO THE CREEK AND DESIGNATED BY THE RESIDENT ENGINEER AS POTENTIAL EXCESSIVE EROSION AREAS. THE CONTRACTOR WILL INSTALL THESE DITCH CHECKS CONCURRENTLY WITH THE SILT FENCE INSTALLATION ACROSS THOSE SWALES. FOR ESTIMATION PURPOSES A MINIMUM OF 5 STRAW BALES SHALL BE USED FOR EACH DITCH CHECK. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE DITCH CHECKS AND UPON THE ESTABLISHMENT OF THE SEEDING, REMOVE THEM COMPLETELY.



SILT FENCE NOTES

THE CONTRACTOR WILL INSTALL THE SILT FENCE AS SHOWN ON THE PLANS ADJACENT TO THE CLEARING LIMITS. UPON COMPLETION OF THE CLEARING AND THE CLEARING PORTION OF THE CLEARING AND GRUBBING PAY ITEM ON EITHER SIDE OF THE CREEK, THE CONTRACTOR WILL INSTALL THE SILT FENCE. HE MUST BEGIN INSTALLATION OF THE SILT FENCE PRIOR TO MOVING ON TO THE OPPOSITE SIDE OF THE CREEK.

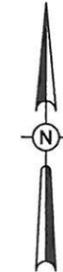
THE SILT FENCE IS SHOWN TO BE INSTALLED ALONG EITHER SIDE OF THE CREEK ALONG THE CLEARING LIMITS. THIS IS INTENDED TO PREVENT SILTATION INTO THE CREEK. ANY AREAS ALONG THE CLEARING LIMITS THAT ARE APPARENTLY NOT GOING TO DRAIN OR ERODE INTO THE CREEK WILL BE MARKED BY THE RESIDENT ENGINEER AND THE SILT FENCE NOT INSTALLED.



DITCH CLEARING DETAIL
 "NOT TO SCALE"

LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED TREE CLEARING
- PROPOSED CLEARING AND GRUBBING
- PROPOSED SEEDING AND MULCHING



0' 100' 200' 400'
 HALF SIZE SCALE: 1" = 400'
 FULL SIZE SCALE: 1" = 200'

RB018

REVISION	DATE

CRAWFORD COUNTY AIRPORT
 ROBINSON
 CRAWFORD COUNTY, ILLINOIS

PROJECT NO.	DATE	BY	CHKD BY
Hanson Proj. No. 12A0063D	02/11/13	CAH	CAH
Package C-501-SWP.DWG	02/11/13	BAK	BAK
Scale 1" = 200'	02/11/13	CAH	CAH
Date	02/11/13		

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CLEARING/CLEARING & GRUBBING TREES
 PROPOSED STORMWATER POLLUTION PREVENTION PLAN

IL PROJ.: RSV-4199 BLOCK GRANT PROJ.: 3-17-SBGP-XX

EROSION CONTROL NOTES

ALL PROPOSED EROSION CONTROL MEASURES SHALL BE COMPLETED AS DETAILED ON THE STORM WATER POLLUTION PREVENTION PLAN AND IN ACCORDANCE WITH THE SPECIFICATIONS.

EROSION CONTROL MEASURES ARE GOVERNED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S STANDARDS AND SPECIFICATIONS FOR SOIL EROSIONS AND SPECIFICATION FOR SOIL EROSIONS AND SEDIMENT CONTROL.

THE PROPOSED SILT FENCE WILL BE PLACED AT THE LOCATIONS SHOWN ON SHEET NO. 6 AND IN ACCORDANCE WITH THE DETAILS ON THIS SHEET.

INSPECTION OF THE SILT FENCE SHALL BE FREQUENT AND REPAIR/REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

SILT FENCE IS TO INCLUDE ALL INCIDENTALS NECESSARY TO CONSTRUCT THE SILT FENCE AND WILL BE PAID FOR UNDER ITEM: AR156510 SILT FENCE -- PER LIN. FT.

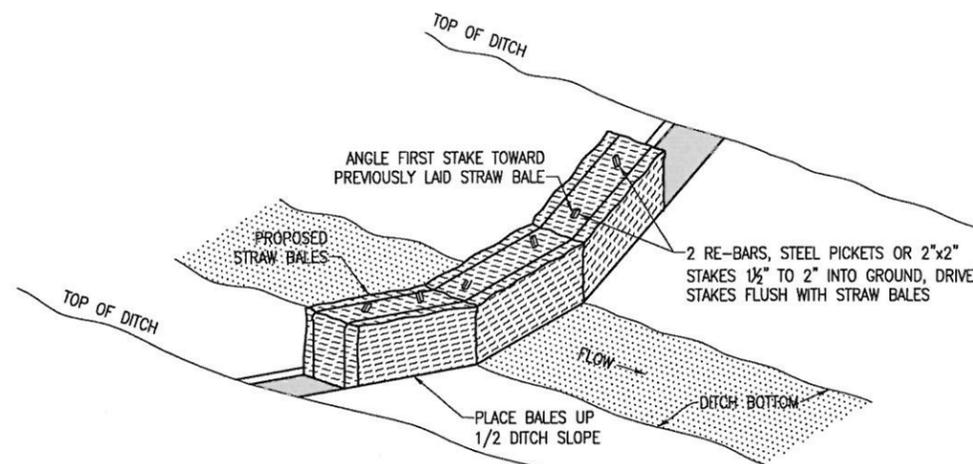
THE PROPOSED DITCH CHECKS WILL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS ON THIS SHEET. THE PROPOSED LOCATIONS WILL BE AS INDICATED BY THE RESIDENT ENGINEER.

INSPECTION OF THE DITCH CHECKS SHALL BE FREQUENT AND REPAIR/REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

DITCH CHECKS ARE TO INCLUDE ALL INCIDENTALS NECESSARY TO CONSTRUCT THE DITCH CHECK AND WILL BE PAID FOR UNDER ITEM: AR156511 DITCH CHECK -- PER EACH.

EROSION CONTROL METHODS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM WATER DRAINAGE.

COST OF REMOVAL AND/OR REPLACEMENT SHALL BE INCLUDED IN THE UNIT PRICE FOR SILT FENCE AND DITCH CHECK.

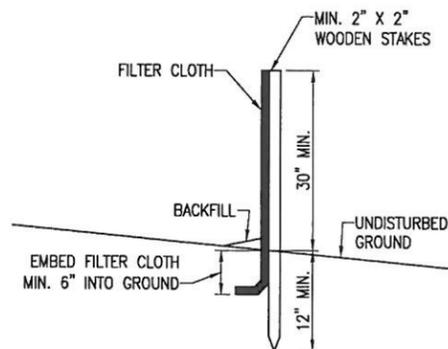


DITCH CHECK DETAIL

"NOT TO SCALE"

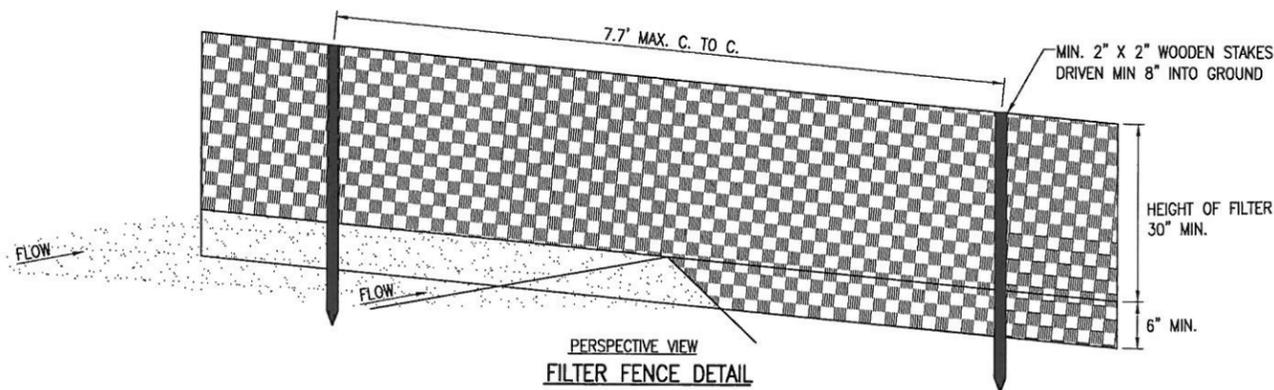
NOTE:

THE ABOVE DETAIL SHOWS HOW THE CONTRACTOR WILL PLACE THE STRAW BALES TO CONSTRUCT THE PROPOSED DITCH CHECK. THE ACTUAL NUMBER OF STRAW BALES USED WILL DEPEND ON THE SIZE OF DITCH BEING SPANNED.



FILTER FENCE DETAIL

"NOT TO SCALE"



FILTER FENCE DETAIL

"NOT TO SCALE"

DATE	REVISION

CRAWFORD COUNTY AIRPORT
ROBINSON
CRAWFORD COUNTY, ILLINOIS
IL. PROJ.: RSV-4199 BLOCK GRANT PROJ.: 3-17-SBGP-XX

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CLEARING/CLEARING & GRUBBING TREES
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